Approved for Release: 2021/01/22 C05132887

TOP SECRET

SAFSP-OD-4

NWD

(b)(1)
(b)(3)

Handle via BYEMAN Channels - GAMBIT

Performance Evaluation Team Report

MISSION 4353/83

FLIGHT MISSION CHARACTERISTICS

DIRECTORATE OF SPECIAL PROJECTS
OFFICE OF THE SECRETARY OF THE AIR FORCE

TOP SECRET

BYE-09345/83
FEBRUARY 1984
Copy 4

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Warning Notice
Sensitive Intelligence Sources and Methods Involved
(WNINTEL)

NATIONAL SECURITY INFORMATION
Unauthorized Disclosure Subject to Criminal Sanctions

Cl by	BYE-1
Decl	OADR
Derived from	BYE-1

Printed by the
NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

~~Top Secret GAMBIT~~

Performance Evaluation Team
Report No. 4353/83

NWD
ACCT: V1
CABR/LOCATION

Performance Evaluation Team Report

MISSION 4353/83

FLIGHT MISSION CHARACTERISTICS

FEBRUARY 1984

Reverse side blank

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Cl by BYE-1
Decl OADR
Derived from BYE-1

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

FOREWORD

This report prepared for and by direction of
the Director of Special Projects
Office of
the Secretary of the Air Force

Reverse side blank

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Performance Evaluation Team
Report No. 4353/83

PUBLICATION REVIEW

This report has been reviewed and is approved.

LARRY E. CRESS
Colonel, USAF

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

ABSTRACT

This report evaluates the performance of the GAMBIT reconnaissance system on Mission 4353. The planned 120-day mission began with a launch on 15 April 1983. An unidentified focus problem caused some degradation in the imagery taken during the first half of the mission. No other significant hardware anomalies occurred. Two days of solo were conducted, and air recoveries were successfully accomplished on 13 June and 19 August 1983.

In the following categories, Mission 4353 surpassed all previous GAMBIT missions:

LENGTH	:	129 days
NUMBER OF FRAMES	:	27,652
GROSS NUMBER OF TARGETS:		49,372

CORN photography from the first half of the mission yielded an overall geometric mean GRD of [redacted] with a best reading of [redacted] CORN photography from the second half of the mission yielded an overall geometric mean GRD of [redacted] with a best reading of [redacted] (b)(1) (b)(3)

The 9-inch film load consisted of film types SO-312, SO-409, and small quantities of SO-315 and 3414. The 5-inch film load consisted of film types SO-315, SO-255, SO-130, SO-312, and SO-409.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

SAFSP PERFORMANCE EVALUATION TEAM

SAFSP

[redacted]	SP-7	(b)(3)
	OD-4	
	OD-4	

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

[redacted]	DPG/R&AD	(b)(3)

HEADQUARTERS, AIR FORCE SATELLITE CONTROL FACILITY

John A. Kunkel (GE)	VOA
Robert E. Girard (GE)	VOA

AIR WEATHER SERVICE

[redacted]	WE	(b)(3)

SCIENTIFIC CONSULTANTS

Harold R. Klaver	EKC
Stuart Brickman	EKC
Thomas E. Diosy	EKC
Lawrence J. Mistretta	LMSC

Reverse side blank

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE OF CONTENTS

Page

TITLE PAGE.....
FOREWORD..... II
PUBLICATION REVIEW..... III
ABSTRACT..... IV
SAFSP PERFORMANCE EVALUATION TEAM..... V
TABLE OF CONTENTS..... VI
DISTRIBUTION..... VII

SECTION I - MISSION OPERATION AND STATISTICS..... 1-1
A. Introduction..... 1-1
B. Primary Flight Objective..... 1-1
C. Secondary Flight Objectives..... 1-1
D. Orbital Data..... 1-1
E. On-Orbit Support..... 1-7
F. Satellite Test Center Computer Support..... 1-10
G. Mission Statistics..... 1-10
H. Command Summary..... 1-11

SECTION II - SATELLITE VEHICLE PERFORMANCE..... 2-1
A. Introduction..... 2-1
B. Satellite Control Section (SCS)..... 2-1
C. Photographic Payload Section (PPS)..... 2-14

SECTION III - FILM AND PROCESSING EVALUATION..... 3-1
A. Introduction..... 3-1
B. Film Load and Processing Summary..... 3-1
C. Physical Degradations..... 3-6
D. Sensitometric Curves..... 3-6

SECTION IV - IMAGE EVALUATION..... 4-1
A. Introduction..... 4-1
B. Objective Evaluation..... 4-1
C. Exploitation Suitability..... 4-13
D. Film Evaluation..... 4-17

SECTION V - SUMMARY OF CONCLUSIONS..... 5-1

APPENDIX A: Command and Photographic Data..... A-1
APPENDIX B: CORN Target Evaluation Data..... B-1
APPENDIX C: Glossary of Terms..... C-1

Reverse side blank

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

DISTRIBUTION

Organization	For Attention Of	Copy Number	
SAFSS	-	1	
SAFSP-6	-	2	
[redacted]	-	3	(b)(1)
SAFSP-OD-4	-	4	(b)(3)
SAFSP-7	-	5	
AFSCF/VOA	-	6	
AFSCF/WE	-	7	
Defense Mapping Agency Aerospace Center	-	8	
Air Weather Service (AFGWC/WS)	-	9	
Defense Intelligence Agency (DIA/DC-5)	-	10	
Foreign Technology Division (FTD/ENHA)	-	11	
National Photographic Interpretation Center: DPG	-	12	(b)(3)
DPG	-	13	
OSG	-	14	
IEG	-	15	
Intelligence Community Staff: Comirex/PAD	-	16	
Comirex/OD	-	17	
Aerospace Corporation/A-16	- F. Harrison	18	
Lockheed Missiles & Space Co. (LMSC/Dept 6873)	- R. Johnson	19	
Eastman Kodak Company	- J. Russo	20	
Eastman Kodak Company	- T. Diosy	21	
ITEK Corporation	- T. Delaney	22	

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Performance Evaluation Team
Report No. 4353/83

SECTION I

MISSION OPERATION AND STATISTICS

A. INTRODUCTION

This section presents data on Mission 4353 primary and secondary flight objectives, orbital data, comments concerning on-orbit support activities, and statistics for the mission.

B. PRIMARY FLIGHT OBJECTIVE

The primary objective was a 120-day reconnaissance mission to obtain high resolution photography. Prudent management of the ISPS propellants and electrical power resulted in an additional seven days of primary mission. Mission 4353 had 1466 revs of photographic activity; 691 during 4353-1 and 775 during 4353-2.

C. SECONDARY FLIGHT OBJECTIVES

The following secondary flight objectives were performed during the mission:

1. Zone of Interior Photography (ZIP)
2. Roll Settling Test (RST)
3. Stereo mirror Settling Test (SST)
4. Continuous DeFocus Record (CDFR)
5. STeReo Continuous DeFocus kecord (STRCDFR)
6. Focus biased continuous defocus record
7. Focus biased stereo continuous defocus record
8. Payload Health Check (PHC)
9. COntrolled Range Network (CORN) utilization
10. Log Periodic (LP)
11. Focus Sensor Calibration Check (FSCC)
12. Active flash target array
13. Mensuration photography

D. ORBITAL DATA

1. Launch Objectives

The satellite was launched from the Space Launch Complex 4, West Pad. Orbital elements at injection are listed in Table 1-1.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 1-1

ORBITAL ELEMENTS

Element	Actual	Nominal
Launch date/time	15 Apr/1845Z	13 Apr/1845Z
Period (minutes)	89.100	89.101
Inclination (degrees)	96.519	96.400
Argument of perigee (degrees)	142.900	150.126
Perigee altitude (NM)	76.263	75.020
Apogee altitude (NM)	174.264	177.680
Eccentricity	.01383936	.01445903

2. Orbit Adjustments

One hundred twenty-one orbit adjusts were performed during the primary mission. Two adjusts were made during the solo portion of the mission. Engines 1 and 2 were burned serially thirteen times. The serial burn procedure was implemented because of a high degree of throat wear on Thrust Chamber Assembly (TCA) No. 1 and high throat temperatures on TCA No. 2. Orbital elements following each adjustment are listed in Table 1-2. An orbit profile of Mission 4353 is shown in Figure 1-1.

TABLE 1-2

ORBIT ADJUST ELEMENTS

OA#	Rev	Period (min)	Perigee alt (NM)	Apogee alt (NM)	Argument (deg)	Eccentricity	Burn duration (sec)	Engine #	Direction
1	49	88:38	75.93	159.05	129.71	.012625	40.0	1	+
2	98	88:19	75.00	146.57	117.30	.011801	88.2	1	+
3	114	88:24	74.65	151.63	117.75	.011593	42.0	1	+
4	131	88:21	74.46	149.45	116.08	.011674	67.2	1	+
5	147	88:23	74.70	150.35	116.74	.011486	45.6	1	+
6	163	88:20	74.48	148.25	115.53	.011618	71.6	1	+
7	179	88:20	74.28	148.49	116.31	.011781	79.0	1	+
8	196	88:23	74.50	150.59	117.37	.011645	56.8	1	+
9	212	88:23	74.76	150.50	117.34	.011536	48.0	1	+
10	229	88:21	74.48	148.93	115.94	.011564	63.0	1	+
11	245	88:21	74.50	148.94	116.07	.011454	56.8	1	+

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 1-2 (Cont'd)

OA#	Rev	Period (min)	Perigee alt (NM)	Apogee alt (NM)	Argu-ment (deg)	Eccen-tricity	Burn duration (sec)	Engine #	Direc-tion
12	261	88:20	74.51	148.28	116.00	.011717	76.6	1	+
13	277	88:23	74.71	150.74	117.11	.011724	55.8	1	+
14	293	88:23	74.61	150.92	116.59	.011624	50.2	1	+
15	310	88:21	74.74	149.31	115.69	.011477	56.8	1	+
16	326	88:20	74.60	148.63	115.98	.011658	68.4	1	+
17	343	88:22	74.56	150.00	116.13	.011691	61.2	1	+
18	359	88:23	74.74	151.05	116.38	.011495	40.2	1	+
19	375	88:21	74.66	149.32	114.98	.011614	62.2	1	+
20	391	88:22	74.78	150.51	115.29	.011571	47.8	1	+
21	407	88:22	74.63	150.11	114.30	.011656	56.0	1	+
22	424	88:21	74.45	149.70	113.73	.011527	54.0	1	+
23	440	88:19	74.42	148.48	113.53	.011728	73.8	1	+
24	457	88:21	74.41	149.82	114.25	.011765	65.2	1	+
25	473	88:22	74.49	150.53	114.49	.011702	56.8	1	+
26	489	88:20	74.31	149.14	114.47	.011794	73.2	1	+
27	505	88:23	74.65	151.35	115.38	.011695	48.2	1	+
28	522	88:21	74.39	149.88	114.48	.011658	58.8	1	+
29	537	88:21	74.51	149.75	114.67	.011774	65.2	1	+
30	554	88:21	74.30	149.55	114.98	.011783	70.0	1	+
31	571	88:24	74.65	151.42	115.93	.011611	44.0	1	+
32	587	88:22	74.56	150.10	114.99	.011542	49.2	1	+
33	603	88:20	74.45	148.82	114.34	.011705	67.6	1	+
34	619	88:21	74.40	149.63	114.98	.011509	58.0	1	+
35	636	88:20	74.30	148.94	114.85	.011787	72.0	1	+
36	652	88:23	74.48	150.87	115.98	.011766	57.6	1	+
37	669	88:23	74.66	151.02	116.02	.011619	47.0	1	+
38	684	88:22	74.71	150.40	115.56	.011479	41.6	1	+
39	701	88:19	74.37	148.51	113.92	.011680	69.0	1	+
40	717	88:23	74.64	150.78	114.98	.011700	52.4	1	+
41	733	88:23	74.70	151.01	114.63	.011654	47.0	1	+
42	750	88:20	74.28	149.69	113.24	.011704	61.6	1	+
43	765	88:21	74.45	150.22	113.83	.011697	57.4	1	+
44	782	88:22	74.61	150.51	114.11	.011759	57.0	1	+
45	798	88:23	74.66	151.27	113.96	.011710	48.2	1	+
46	814	88:22	74.61	150.99	113.26	.011677	48.8	1	+
47	831	88:21	74.50	150.19	112.45	.011659	55.4	1	+
48	847	88:21	74.63	150.41	112.57	.011760	56.0	1	+
49	864	88:21	74.41	150.73	111.95	.011797	58.2	1	+
50	881	88:22	74.49	151.07	112.00	.011795	56.6	1	+

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 1-2 (Cont'd)

OA#	Rev	Period (min)	Perigee alt (NM)	Apogee alt (NM)	Argu-ment (deg)	Eccen-tricity	Burn duration (sec)	Engine #	Direc-tion
51	896	88:23	74.76	151.92	112.56	.011644	38.6	1	+
52	912	88:19	74.40	149.37	110.94	.011751	64.0	1	+
53	928	88:20	74.27	149.94	111.25	.011911	69.0	1	+
54	945	88:23	74.61	152.19	112.36	.011809	46.8	1	+
55	964	88:16	73.92	147.18	110.76	.011507	65.2	1	+
56	978	88:19	74.23	148.71	112.43	.012121	84.4	1	+
57	994	88:25	74.61	153.48	114.92	.011805	35.4	1	+
58	1010	88:22	74.58	151.08	113.56	.011770	50.2	1	+
59	1025	88:22	74.64	151.04	113.39	.011658	43.6	1	+
60	1043	88:19	74.25	148.92	112.27	.011702	60.8	1	+
61	1059	88:20	74.30	149.38	112.98	.011880	67.0	1	+
62	1075	88:23	74.51	151.23	114.24	.011775	49.6	1	+
63	1092	88:21	74.43	150.30	113.84	.011680	50.8	1	+
64	1108	88:21	74.48	150.01	113.85	.011649	50.8	1	+
65	1124	88:20	74.43	149.16	113.87	.011616	54.8	1	+
66	1140	88:20	74.44	149.13	114.15	.011870	66.0	1	+
67	1156	88:24	74.57	151.90	115.20	.011801	44.2	2	+
68	1173	88:22	74.59	150.94	114.58	.011534	38.4	1	+
69	1189	88:20	74.54	149.00	113.68	.011668	57.0	2	+
70	1207	88:20	74.50	149.37	113.97	.011671	54.4	1	+
71	1222	88:22	74.62	150.32	111.49	.011656	46.0	2	+
72	1238	88:21	74.64	150.03	114.22	.011700	52.0	1	+
73	1254	88:22	74.60	150.64	114.27	.011737	48.0	2	+
74	1271	88:22	74.50	150.62	113.79	.011671	45.8	1	+
75	1287	88:21	74.52	150.02	113.32	.011629	48.6	2	+
76	1303	88:21	74.71	150.03	113.59	.011801	54.2	1	+
77	1319	88:23	74.62	151.30	113.44	.011699	42.0	2	+
78	1335	88:21	74.64	150.40	112.83	.011716	48.4	1	+
79	1353	88:20	74.31	149.36	112.01	.011668	55.8	2	+
80	1368	88:22	74.81	150.71	113.41	.011810	48.6	1	+
81	1385	88:21	74.37	150.66	112.23	.011683	47.4	2	+
82	1402	88:20	74.53	149.80	111.97	.011801	58.0	1	+
83	1417	88:23	74.76	152.05	112.91	.011778	40.6	2	+
84	1433	88:22	74.75	151.35	112.22	.011716	41.4	1	+
85	1449	88:20	74.39	149.66	111.10	.011695	52.6	2	+
86	1466	88:19	74.39	149.04	111.41	.011871	64.6	1	+
87	1482	88:22	74.60	151.39	112.48	.011903	51.2	2	+
88	1499	88:22	74.57	151.31	112.51	.011703	41.8	1	+
89	1515	88:19	74.31	149.28	111.70	.011682	55.0	2	+

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

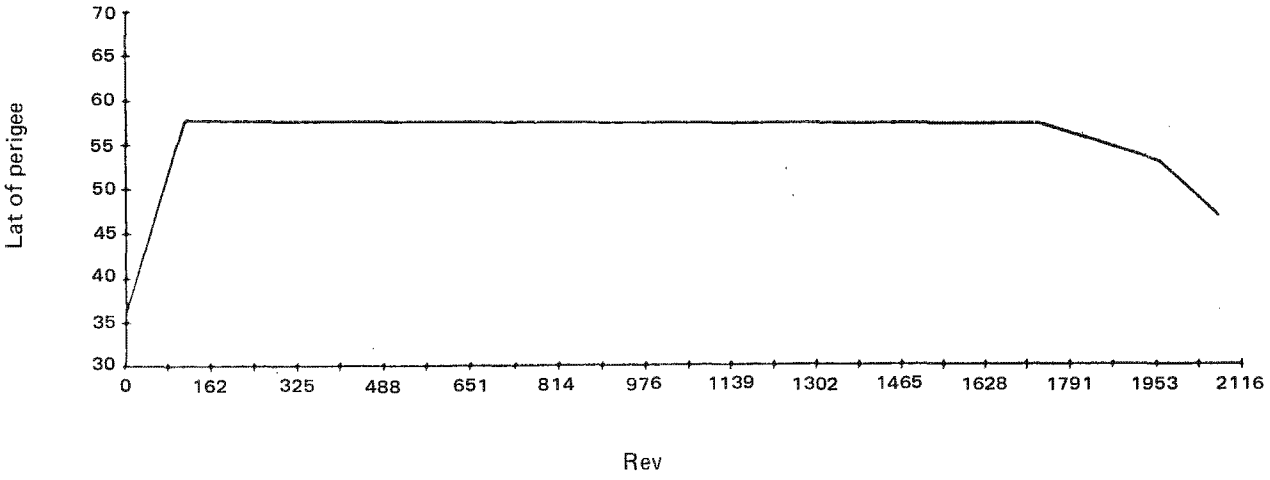
TABLE 1-2 (Cont'd)

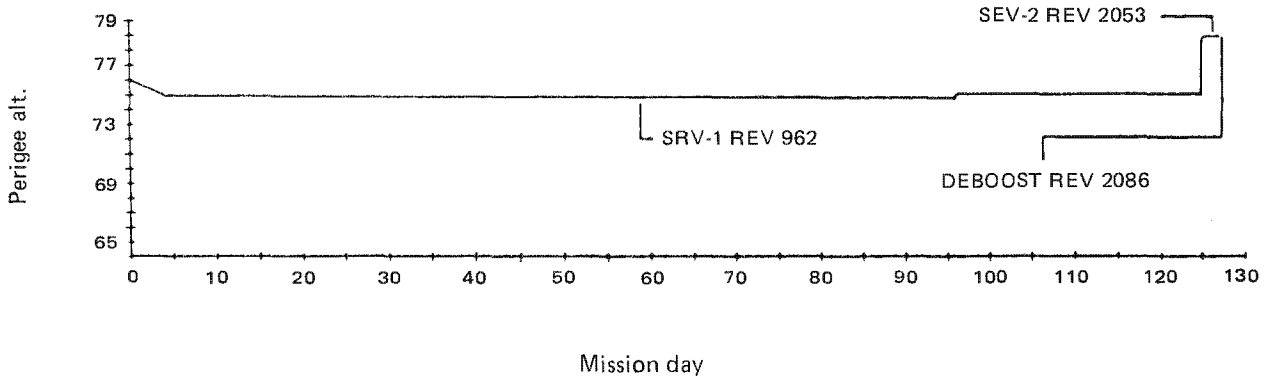
OA#	Rev	Period (min)	Perigee alt (NM)	Apogee alt (NM)	Argu-ment (deg)	Eccen-tricity	Burn duration (sec)	Engine #	Direc-tion
90	1531	88:20	74.55	149.30	112.50	.011854	61.0	1	+
91	1547	88:22	74.55	151.04	113.16	.011882	51.4	2	+
92	1563	88:23	74.67	151.52	113.43	.011712	44.2	1	+
93	1580	88:21	74.69	150.05	113.04	.011529	45.2	2	+
94	1596	88:21	74.92	149.33	113.25	.011719	54.8	1	+
95	1613	88:21	74.59	149.77	113.06	.011659	51.4	2	+
96	1629	88:19	74.54	148.34	113.52	.011696	62.4	1	+
97	1645	88:21	74.68	149.47	114.82	.011787	59.0	2	+
98	1661	88:24	75.02	151.28	116.10	.011576	36.2	1	+
99	1677	88:21	74.79	149.43	114.75	.011637	52.0	2	+
100	1694	88:21	74.85	149.57	115.16	.011590	48.8	1	+
101	1710	88:21	74.85	149.21	115.19	.011404	42.0	2	+
102	1727	88:18	74.64	147.09	114.51	.011594	63.8	1	+
103	1743	88:21	74.71	149.14	115.87	.011648	54.6	2	+
104	1759	88:23	75.05	150.28	116.91	.011627	43.6	1	+
105	1775	88:22	74.81	149.38	116.31	.011516	46.0	2	+
106	1792	88:20	74.65	148.04	115.84	.011530	47.8	2	+
107	1808	88:21	74.87	149.06	116.89	.011514	52.0	2/1	+
108	1824	88:23	75.02	150.12	117.43	.011514	40.4	2/1	+
109	1841	88:21	74.87	149.16	116.45	.011469	44.6	2/1	+
110	1857	88:21	74.89	148.90	116.32	.011391	42.4	2/1	+
111	1873	88:18	74.57	146.62	115.83	.011658	69.6	2/1	+
112	1889	88:23	74.87	149.63	118.17	.011492	43.2	2/1	+
113	1905	88:21	74.73	148.44	117.67	.011463	48.4	2/1	+
114	1922	88:21	74.87	148.60	118.16	.011510	50.0	2/1	+
115	1938	88:21	74.86	148.41	118.72	.011353	42.4	2/1	+
116	1955	88:17	74.42	145.50	117.92	.011526	70.4	2/1	+
117	1970	88:23	74.88	148.89	121.05	.011528	48.0	2/1	+
118	1987	88:22	74.79	148.26	120.79	.011347	44.6	2/1	+
119	2003	88:21	74.87	147.65	120.99	.011385	49.6	2/1	+
120	2020	88:21	74.77	147.45	121.13	.011335	47.8	2/1	+
121	2035	88:21	74.82	147.53	121.48	.010011	44.2	2	+
122	2057	88:21	78.73	142.46	122.52	.010024	41.0	1	+
123	2068	88:24	78.77	145.28	124.54	.009938	24.6	2	+

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Performance Evaluation Team
Report No. 4353/83





Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

3. Recoveries

SRV-1 was deorbited on rev 962 and recovered by air catch at 2146Z, 13 June 1983. SRV-2 was deorbited on rev 2053 and recovered by air catch at 2100Z, 19 Aug 1983.

4. Deboost

Mission 4353 terminated with the deboost of the satellite on rev 2086, 21 Aug 1983, at 2222Z after two days of solo flight. The probable impact point was 26.23°N, 185.92°E.

E. ON-ORBIT SUPPORT

1. Controlled Range Network Utilization.

a. Targets utilized on this mission.

1. 5TN12 (Panels 3-8 plus 8a)
2. 5TN (Panels 3-9)
3. 6 Step Gray Scale
4. 3 Step Gray Scale
5. Double Annulus (Abbr. and/or full)
6. 12 Color Target
7. 6 Color Target
8. IR Panels
9. Point Source Domes (size 3, 6, 12, and 19 inches)
10. Active Flash Target Array (Flasher Assembly)
11. Log Periodic (LP) with Calibration Panels

b. Sixty-three COntrolled Range Network (CORN) and four Log Periodic (LP) targets were requested for this mission. Their distribution, and accomplishment are as listed in Table 1-3 below.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 1-3

CORN TARGET ACQUISITION SUMMARY

	SRV-1			SRV-2		
	Req	Accomp	Attemp	Req	Accomp	Attemp
Nominal	14	14	17	19	19	26
Nominal with 45° Orientation	4	4	4	-	-	-
Color (SO-255)	1	1	1	-	-	-
IR (SO-130)	1	1	1	-	-	-
Defocused						
+.5	4	4	4	3	3	3
-.5	4	4	5	3	3	3
+1.5	-	-	-	2	2	2
-1.5	-	-	-	2	2	2
+3.0	2	2	2	-	-	-
-3.0	2	2	2	-	-	-
SBCT	1	1	1	-	-	-
OBCT	1	1	1	-	-	-
LP	2	2	2	-	-	-
LP with 45° orientation*	2	2	2	-	-	-
Flasher Assembly**	2	2	2	-	-	-

*The 45° oriented laydowns were performed in order to evaluate system performance in directions other than the conventional in-track/cross-track.

**The Flasher Assembly is an active illumination device intended to be used on the ground with CORN Target deployment for evaluation of the payload system. The target must boresight to the vehicle at the instant of imaging.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

2. Additional R&D Requirements.

Additional R&D requirements were requested and accomplished as listed in Table 1-4 below.

TABLE 1-4

ADDITIONAL R&D ACQUISITION SUMMARY

	SRV-1			SRV-2		
	Req	Accomp	Attempt	Req	Accomp	Attempt
CDFR	10	8	15	10	9	11
Deciduous forest*	-	-	-	1	1	1
Shore line*	-	-	-	1	1	1
SST	4	4	5	4	3	7
SST**	8	8	10	-	-	-
RST	6	6	10	4	4	4
Mensuration	5	5	10	5	5	5

* To evaluate camera and focus sensor performance over narrow band spectra (blue and green), two additional CDFRs, one of a deciduous forest and one of a U.S. coast line, were accomplished.

** Eight additional SSTs were requested and accomplished. (Reference Section II paragraph B.2.d.)

3. Anomalies

a. A computer problem at Guam resulted in only one PMU being loaded on rev 126. Rev 127 payload (5 frames) was lost.

b. Due to a vehicle door anomaly, the ECS memory was erased at rev 357 and payload for revs 357, 361, and 362 was lost.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

c. A vehicle door anomaly caused suspension of payload operations from rev 608 thru rev 621.

d. Computer problems resulted in a missed load at 856 Guam. The payload for revs 856, 857, and 858 was executed from the message loaded at 855 Cook.

e. Message for 1317 Pogo violated operational constraints and was not loaded. The payload for rev 1317 was executed from the message loaded at 1315 Guam.

f. Computer problems resulted in a missed load at 1394 Hula. Payload for revs 1394 and 1395 was executed out of the message loaded at rev 1393 Hula. Payload for rev 1396 was lost.

g. Computer problems prevented loading a command message at rev 1640 Guam. Payload on revs 1640 and 1641 executed from the message loaded at 1638 Hula.

F. SATELLITE TEST CENTER COMPUTER SUPPORT

1. Block 1.1 flight software was used to support Mission 4353. This software included significant changes since Mission 4352. Scene luminance sensor data was used in conjunction with the assessed weather to determine the weather value to be used for target requirement satisfaction. This change, activated during Mission 4353-2, resulted in an improvement in countdown accuracy.

2. Software enhancement and minor problems necessitated modification to the existing preflight software. Fifty-two auxiliary master tape binary deliveries were made to the existing software package.

G. MISSION STATISTICS

1. Weather

Weather statistics for Mission 4353 are shown in Table 1-5.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 1-5

CLOUD FREE RETURN (%)

	SRV-1	SRV-2	Mission
Average Forecast operated on	58.8	57.1	58.0
Average DMA readout	63.8	59.5	61.6

The daily averages for the forecast versus DMA readout are shown in Figure 1-2.

This mission marks the first time the on-board scene luminance sensor was used in the target countdown process. The sensor value was "mixed" with the Air Force Global Weather Center assessment. This mixed value shows an improved countdown skill over both the previous process using only the assessment, and a countdown study based on sensor readout alone. The daily average mixed countdown statistics and DMA readout are compared in Figure 1-3. An in-depth discussion of weather support can be found in the Mission 4353 weather critique.

2. Acquisition Parameters

Mission statistics for each camera are shown in Figures 1-4 through 1-7 for slant range, sun elevation, obliquity, and slit utilization. Statistics for the mission totals and each mission segment are shown.

H. COMMAND SUMMARY

1. All payload selection and vehicle commanding was performed through TRW and General Electric software systems.

[redacted] (b)(1) (b)(3)

3. Command message history is shown in Table 1-6.

TABLE 1-6

COMMAND MESSAGE HISTORY

Profiled messages generated	1170
Messages regenerated	9
Messages altered	6
Special messages generated	174
Total messages	1359
Total messages loaded	1155

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

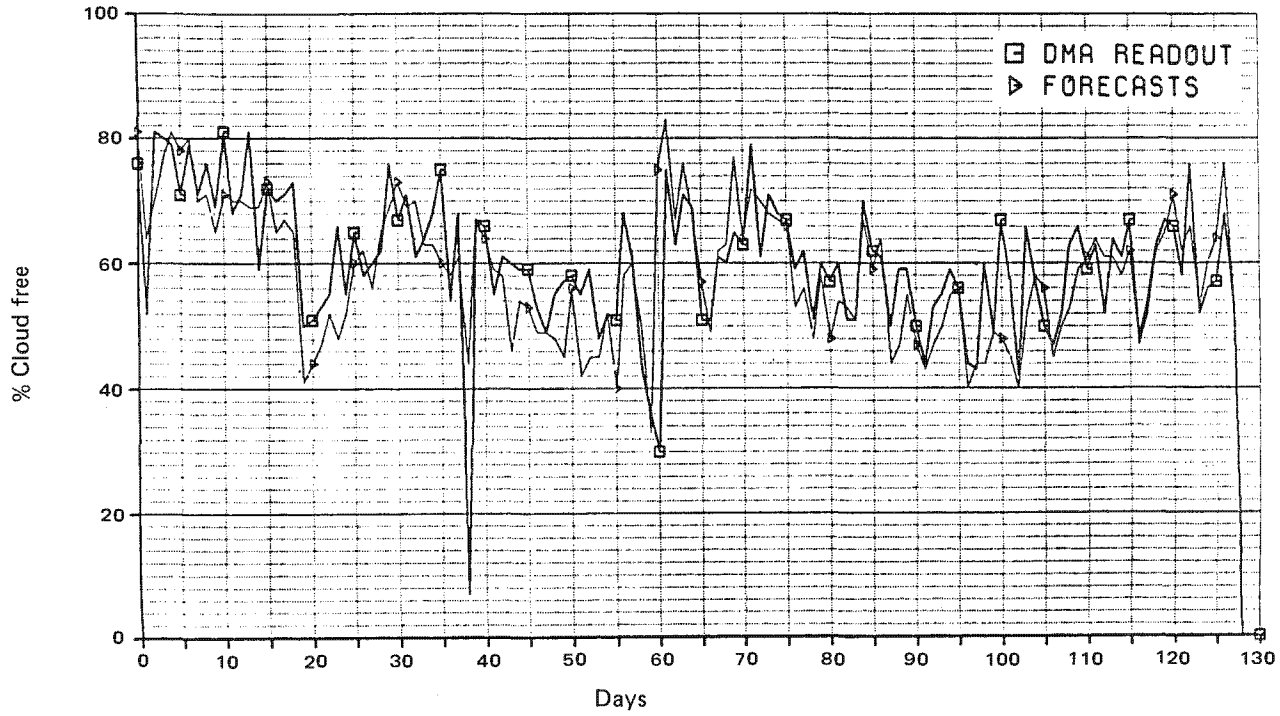


FIGURE 1-2: WEATHER FORECAST VERSUS DMA READOUT AVERAGES

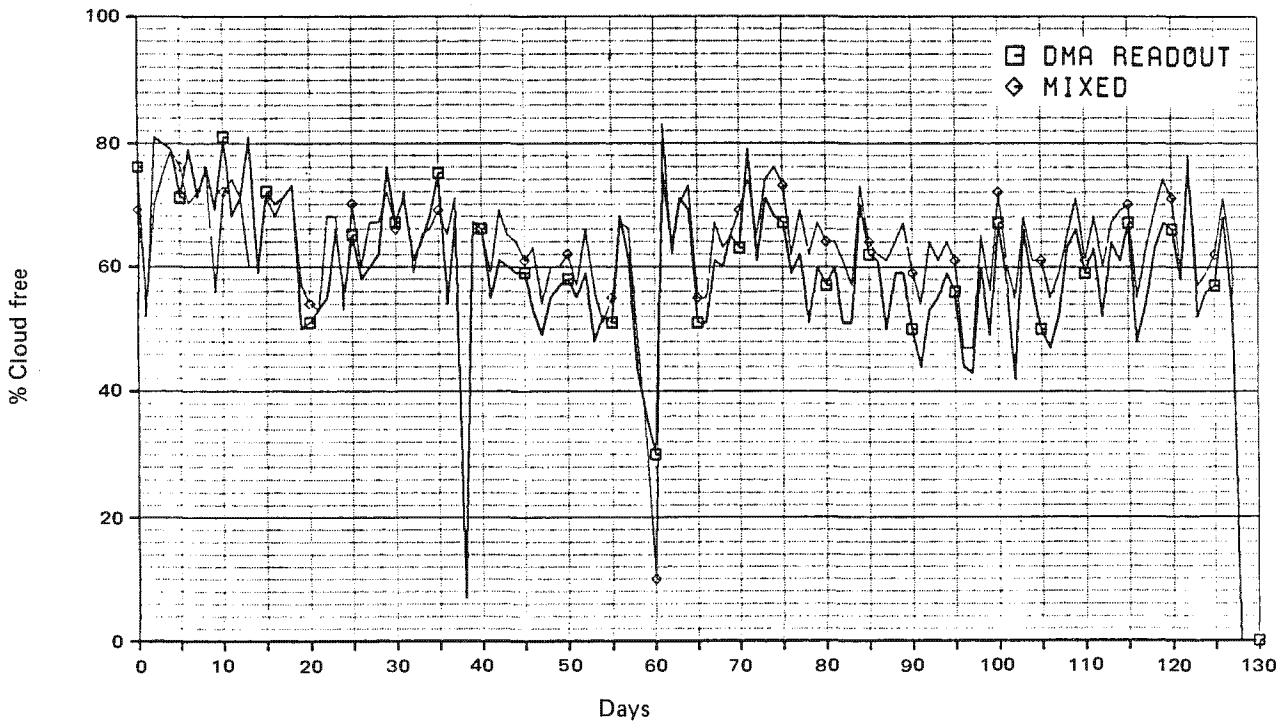


FIGURE 1-3: MIXED COUNTDOWN STATISTICS VERSUS DMA READOUT AVERAGES

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4. Camera operations are shown in Table 1-7.

TABLE 1-7

CAMERA OPERATIONS

System	Total Camera Ops	Ops Frames	R&D Frames	Door Open Jogs	Door Shut Jogs
			Recovery Segment 1		
9	11441	11153	154	4	130
5	2630	2419	77	7	127
			Recovery Segment 2		
9	11755	11499	120	2	134
5	2364	2174	56	2	132
			Mission Totals		
9	23196	22652	274	6	264
5	4994	4593	133	9	259

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

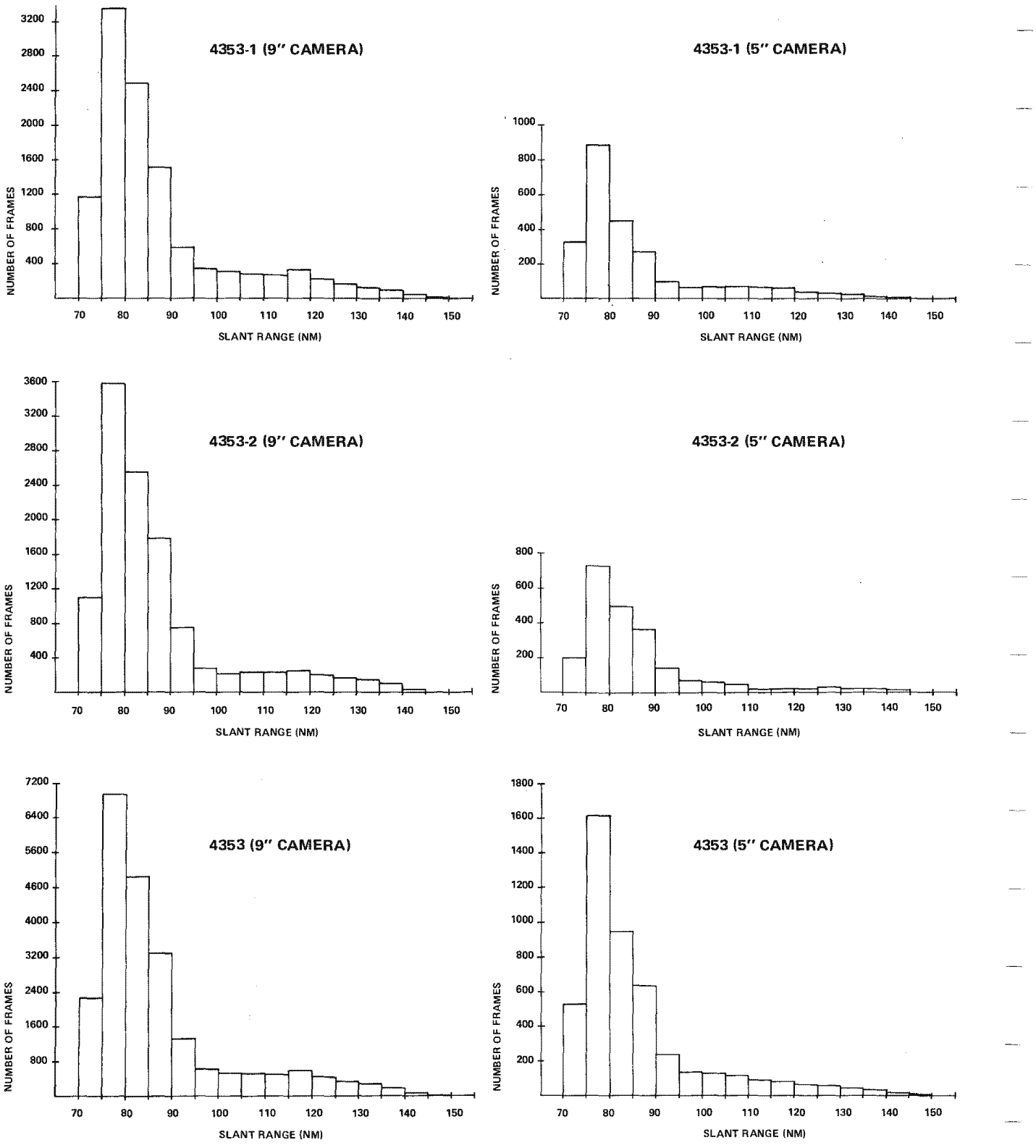


FIG. 1-4: SLANT RANGE

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

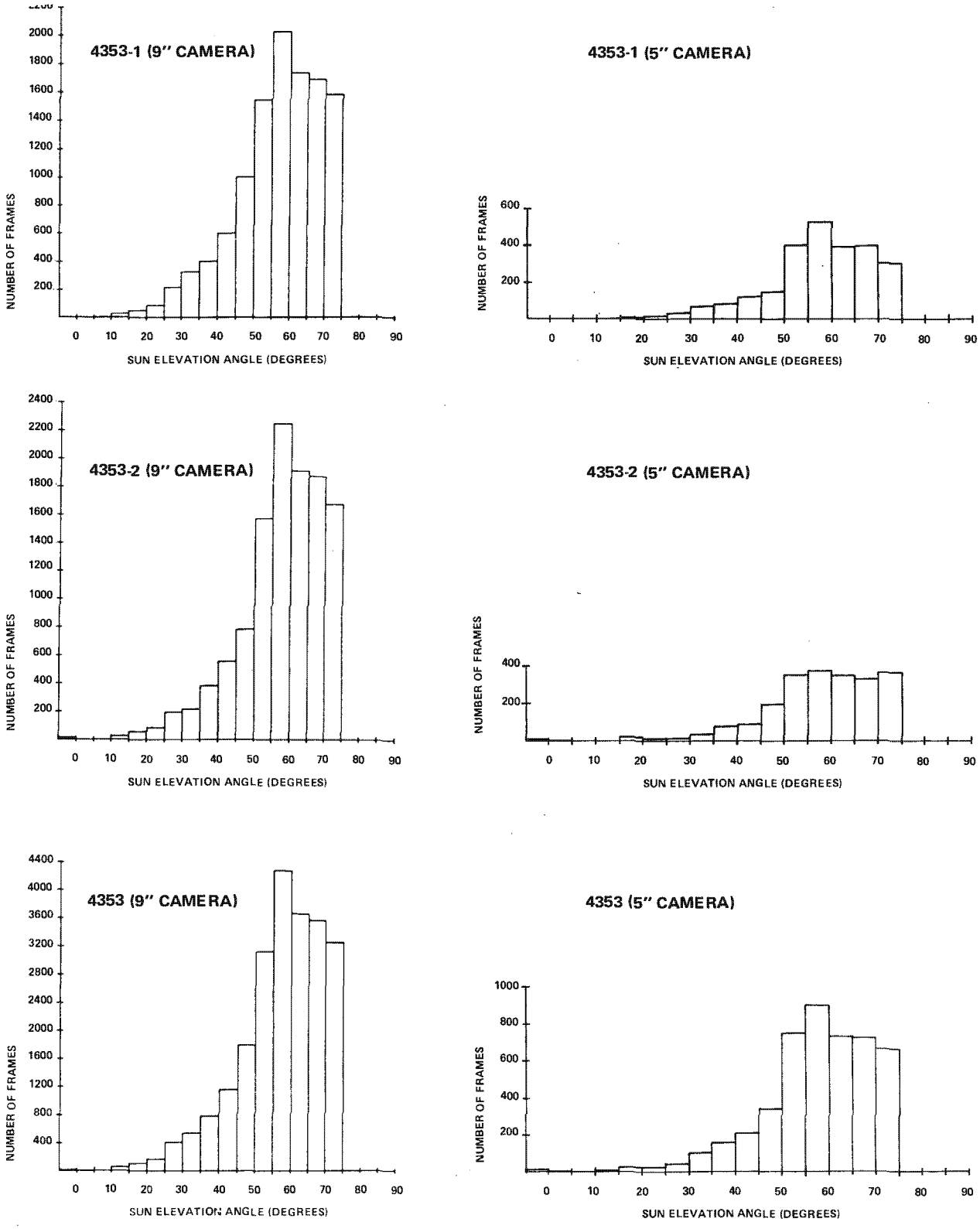


FIG. 1-5: SUN ELEVATION ANGLE

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

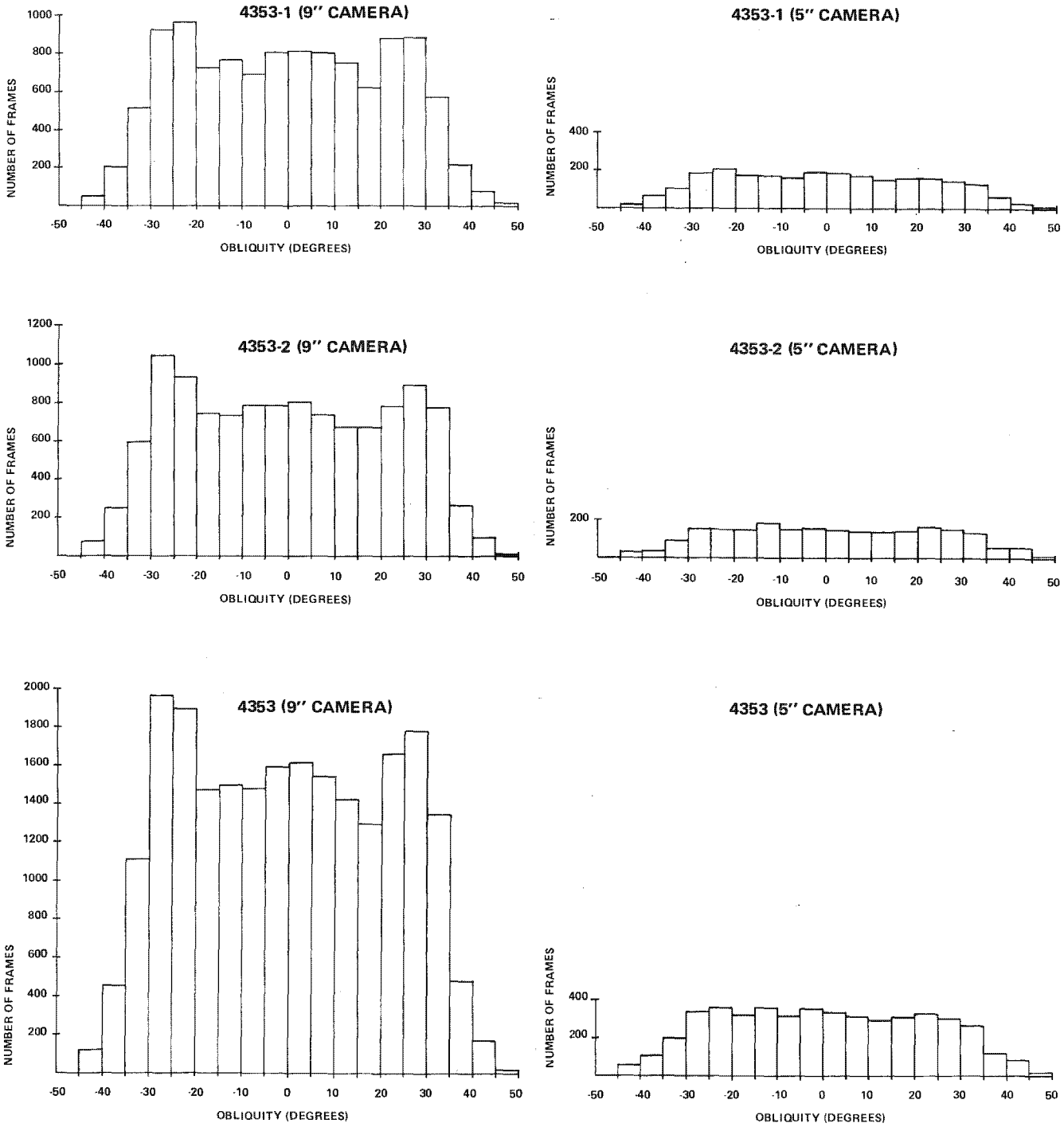


FIG. 1-6: OBLIQUITY

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

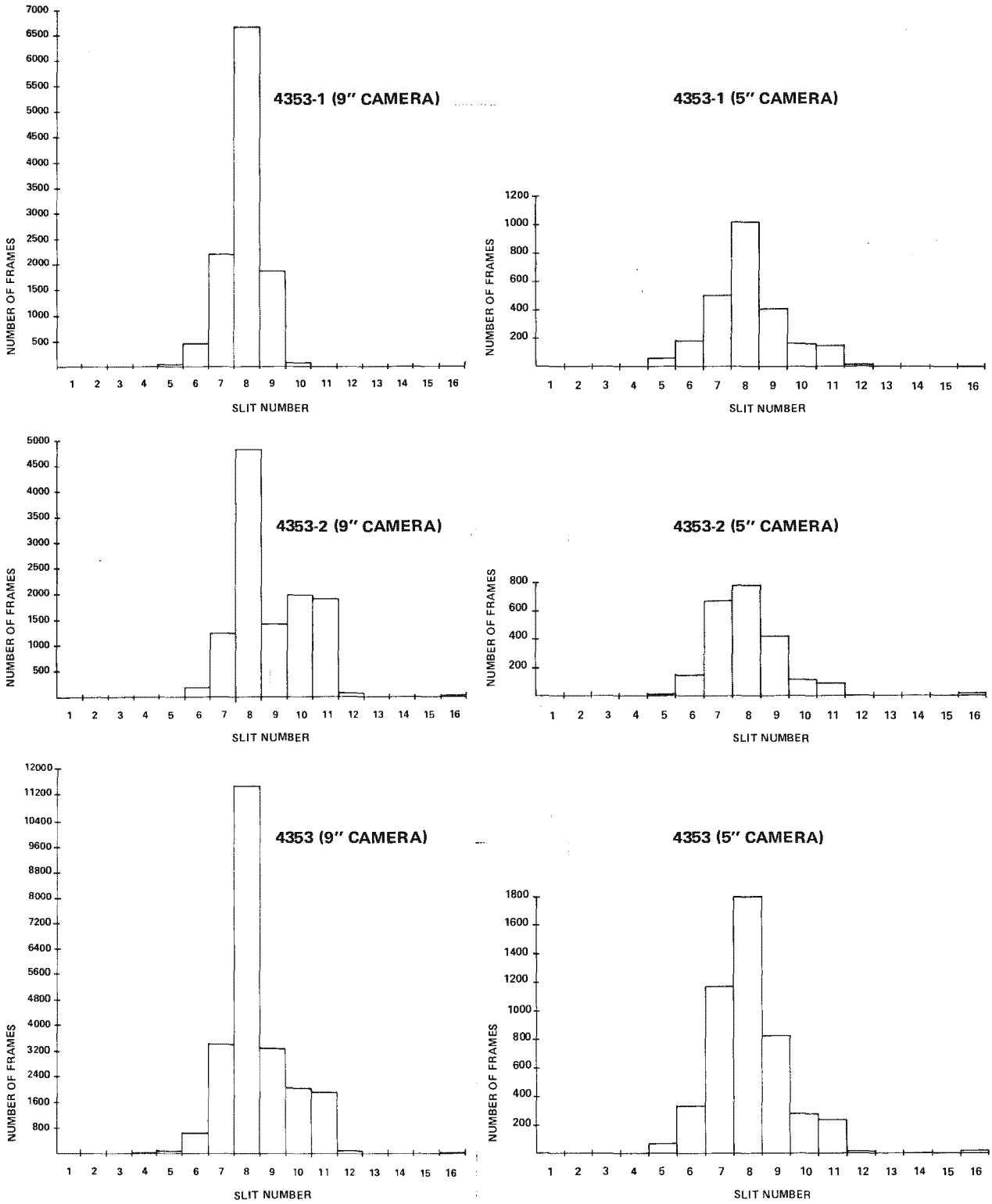


FIG. 1-7: SLIT NUMBER

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

SECTION II

SATELLITE VEHICLE PERFORMANCE

A. INTRODUCTION

This section describes hardware performance, as it relates to the photographic mission, by major vehicle section. All secondary flight objectives involving photography, including results, are also described in this section, with the exception of the CDFRs, which are reported in section IV.

B. SATELLITE CONTROL SECTION (SCS)

1. General SCS Information

a. Pertinent Changes

The SCS configuration remained essentially the same as the 4352 configuration with the exception of some minor changes, which are described below:

(1) Secondary Propulsion System

In an attempt to reduce the high Thrust Chamber Assembly (TCA) throat temperatures which have been a recurring problem since Mission 4348, the operating point (mixture ratio and total propellant flow rate) of side 1 of the Integrated Secondary Propulsion System (ISPS) was changed. Calibrated orifices were installed in both the fuel and oxidizer supply lines, resulting in a three percent increase in mixture ratio and a three percent decrease in total propellant flow rate. TCA No. 1 throat temperatures remained well below the "red-line" limit of 2400° F for the duration of the mission as a result of this change.

A second change to the ISPS was the addition of bypass valves around the oxidizer inlet filter of the Electric Motor-Pump Assembly (EMPA). As reported in the Mission 4352 PET report, the oxidizer inlet filter of EMPA No.1 plugged during the high-mode portion of Mission 4352, resulting in the loss of the EMPA. The bypass valves were added to preclude loss of an EMPA because of filter clogging. No filter clogging was experienced during Mission 4353, therefore activation of the bypass valves was not required.

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

(2) Payload Adapter Section (PAS)

The PAS restraint device (RD) was not flown on Mission 4353. The RD had been added to the SCS for Mission 4352 to provide rigidity of the separated roll plane during an on-orbit Main Propulsion System engine firing. Preflight analysis of Mission 4353 requirements indicated that large velocity changes would not be required and consequently the RD need not be flown.

b. SCS Pointing Data

Miss-distance statistics for the 9-inch camera system were estimated based on a sample of 79 targets from Mission 4353-1 and 60 targets from Mission 4353-2. The geographic locations of these targets are well known. The differences between the actual frame coordinates of the targets and the predicted grid coordinates from the Mission Correlation Data (MCD) were converted into equivalent line-of-sight pitch and roll pointing errors and are listed in Table 2-1. These values are called "equivalent" line-of-sight errors, because they contain inherent map, target location, and ephemeris errors. Although the pointing performance is considered nominal for the current GAMBIT Photographic Satellite Vehicle (PSV), trends contained in the pointing data correlated with the line-of-sight geometry aided in the diagnosis of the cross-track smear rate bias discussed in Section IV-B under smear data.

TABLE 2-1

EQUIVALENT POINTING ERROR
(degrees)

Nine-Inch System

Line-of-sight	Mean	Standard deviation	50 Percentile
		Segment 1 (79 targets)	
Pitch	0.06	0.07	0.08
Roll	0.04	0.06	0.06
		Segment 2 (60 targets)	
Pitch	-0.01	0.06	0.05
Roll	0.05	0.06	0.07

Periodic updates of certain parameters, which are used to improve pointing by software modeling of adaptive bias and orbit dependent attitude offsets, were made throughout the flight as changes in PSV mass properties, aerodynamic torques, and orbit eccentricity occurred.

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

(b)(1)
(b)(3)

2. SCS Secondary Flight Objectives

a. Adaptive Bias Calibration Tests

Tests to determine magnetic torques, aerodynamic torques, and vehicle mass properties were successfully conducted throughout the flight. The information obtained during these tests served as a basis for adjustment of the coefficients used by the adaptive bias software.

b. Hardware Health, Verification, and Engineering Tests

Reaction control cluster temperature tests, roll joint tests (rate, linearity, and thermal), guidance system gyro drift tests, were successfully accomplished to verify health, measure hardware performance, or collect engineering data.

(b)(1)
(b)(3)

c. Roll Settling Tests (RST)

Fourteen roll settling tests, designed to measure the transient response of the PSV line-of-sight immediately after the end of roll joint motion and subsequent microdynamics, were performed during the flight. Twelve of these RST frames showed imagery with sufficient detail in the smear slit for analysis. The results of these tests characterize time and command profile-dependent smear rates and allow judicious determination of the settling time required for low smear rate, high resolution photography. Results which illustrate the transient behavior best are reproduced in Figures 2-1 through 2-3. RSTs not shown but containing data include rev/frames 112/9001, 308/9004, 340/9002, 503/9002, 715/9001, 879/9002, 1122/9002, 1675/9002, and 1692/9003.

The RSTs of Mission 4353 demonstrated that the smear rates caused by roll joint operation were well damped. Smear rates decayed to within acceptable limits well within the allotted settling time. No changes were required to the prelaunch value of settling time in the operational software. Identifiable frequencies of oscillatory modes observed in the RSTs and their probable causes, were: 2 Hz (viewport doors), 5-8 Hz (roll joint), 8-10 Hz (stereo mirror), and 14-16 Hz (solar arrays).

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

3. SCS Anomalies

a. Secondary Propulsion System

Although the ISPS performed all mission objectives, high TCA throat temperatures required burn time restrictions to be imposed late (after day 110) in the mission to preclude potential damage to the TCA throat. As described earlier (refer to section II paragraph B.1.a.1), side 1 of the ISPS was equipped with flow restrictors to help reduce throat temperatures and the rate of temperature increase . These restrictors performed as planned and it was initially estimated that the entire mission could be completed using only TCA No. 1. By the end of the first mission segment, however, it became evident that TCA No. 1 throat wear would exceed desirable levels prior to the end of the mission. As a result, TCA No. 2 was placed into operation on day 72, and its use was alternated with TCA No. 1 to provide the required daily orbit adjusts. Without flow restriction, TCA No. 2 throat temperatures increased rapidly, and it became apparent that burn time restrictions would be required. On day 111, serial burns were begun, in which the daily orbit adjust firing was divided equally between the two TCAs.

It should be noted that the flow restrictors permitted TCA No. 1 to operate for over 4,700 seconds of accumulated usage prior to any burn time restrictions being imposed, and it accumulated a total of 5,168 seconds of operation during this flight. The previous high accumulated usage on a single TCA was 4,274 seconds on TCA No. 2 of Mission 4351.

In order to further improve the performance capabilities of the ISPS, flow restrictions will be applied to both TCAs on Mission 4354.

b. Payload Adapter Section (PAS)

On day 93, during a non-photographic roll joint operation (adaptive bias health check) an anomalous motor current signature was observed which was indicative of motor brush wearout. A planned transfer to the primary roll joint servo system was executed on day 100, with no impact on photographic activity. (The roll joint is normally operated with the redundant servo system in control, since it is capable of providing faster slew rates). The mission was completed using the primary servo system.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Previous PET reports (Missions 4351 and 4352) have reported the existence of a lightly damped, low frequency oscillation persisting after a roll joint movement. It had been noted that these oscillations appeared both in-track and cross-track and nearly in phase, and were somewhat reminiscent of the oscillatory smear problem encountered during Mission 4349. The coupled in-track/cross-track phenomenon is barely discernible in the RST data from Mission 4353, however a sustained, lightly damped, low amplitude, 2-2.5 Hz oscillation is evident in several of the RSTs. The magnitude of this oscillation was low, within plus or minus 100 microradians per second, and therefore had minimal impact on image quality.

Figure 2-1 illustrates the in-track and cross-track smear rates observed in the RST of rev 161, frame 9001. The sustained 2.5 Hz oscillation mentioned above is evident in the cross-track direction while the in-track smear rate is virtually zero. Note that this data is taken well after roll joint motion has ceased and beyond the end of the settling-time band allowed by the operational software, and therefore occurs at a time when photography could potentially occur. Figure 2-2 shows the in-track and cross-track smear rates from the RST of rev 194, frame 9001. A low amplitude 2 Hz oscillation is observable in both the in-track and cross-track directions. A decaying 15 Hz oscillation, probably caused by the solar arrays, is also observable in the cross-track direction. Figure 2-3 illustrates the rapid damping of in-track and cross-track 10 Hz oscillatory modes. This RST is frame 9002, performed on rev 1107. It can be seen that the high amplitude oscillations are damped out in less than 0.7 seconds.

The negligible impact of these residual oscillations is demonstrated by figure 2-4. This figure illustrates the in-track and cross-track smear rates measured (from operational photography) as a function of settling time from the end of roll joint motion to the camera-on command. The time of camera-on commands precedes the time of high resolution photography by approximately 0.3 seconds. The smear rates have been corrected for biases and deterministic effects. Examination of the figure indicates that the range of smear rates encountered during operational photography is not further reduced by increasing allowable settling time beyond that already in the operational software.

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

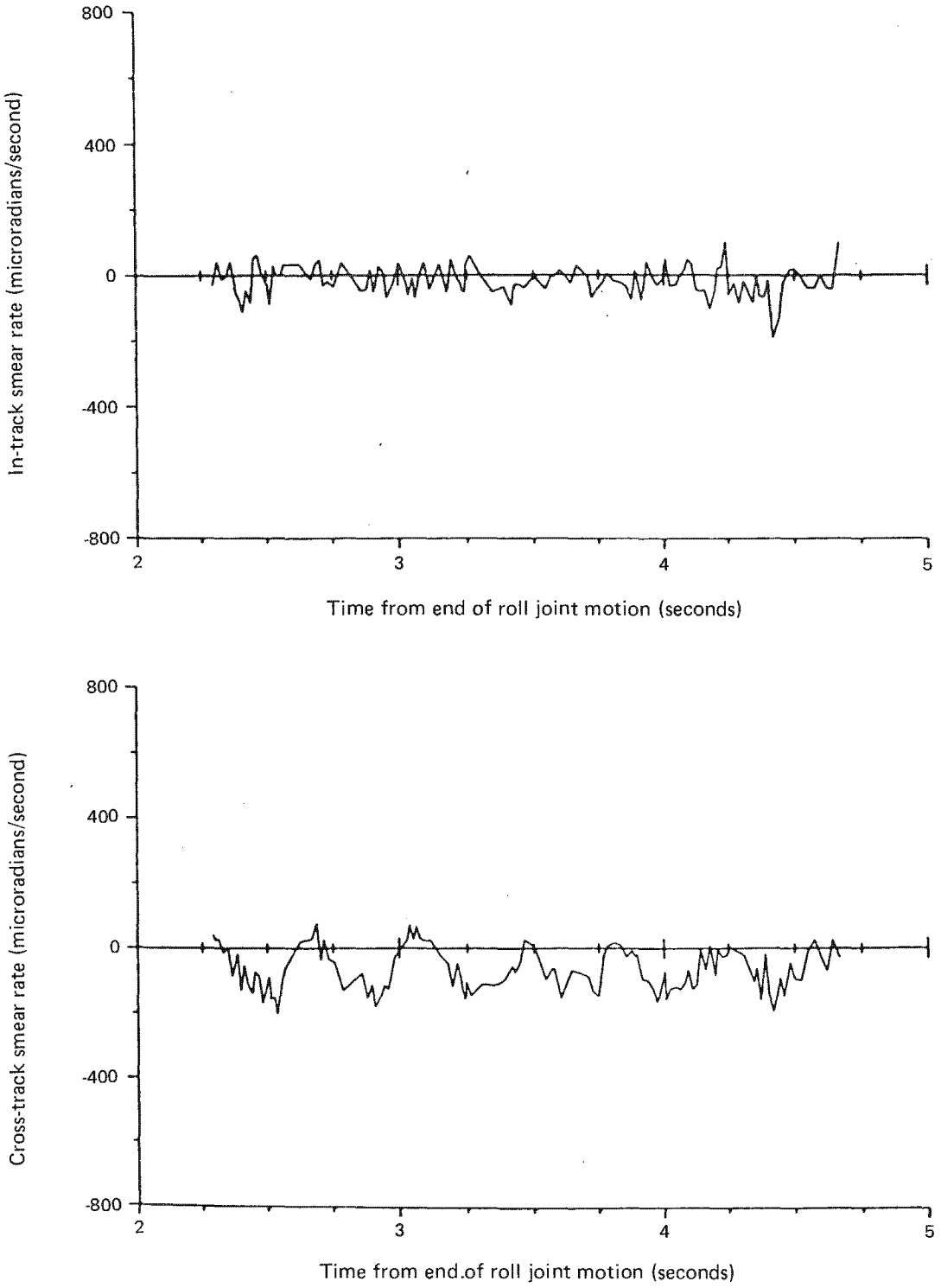
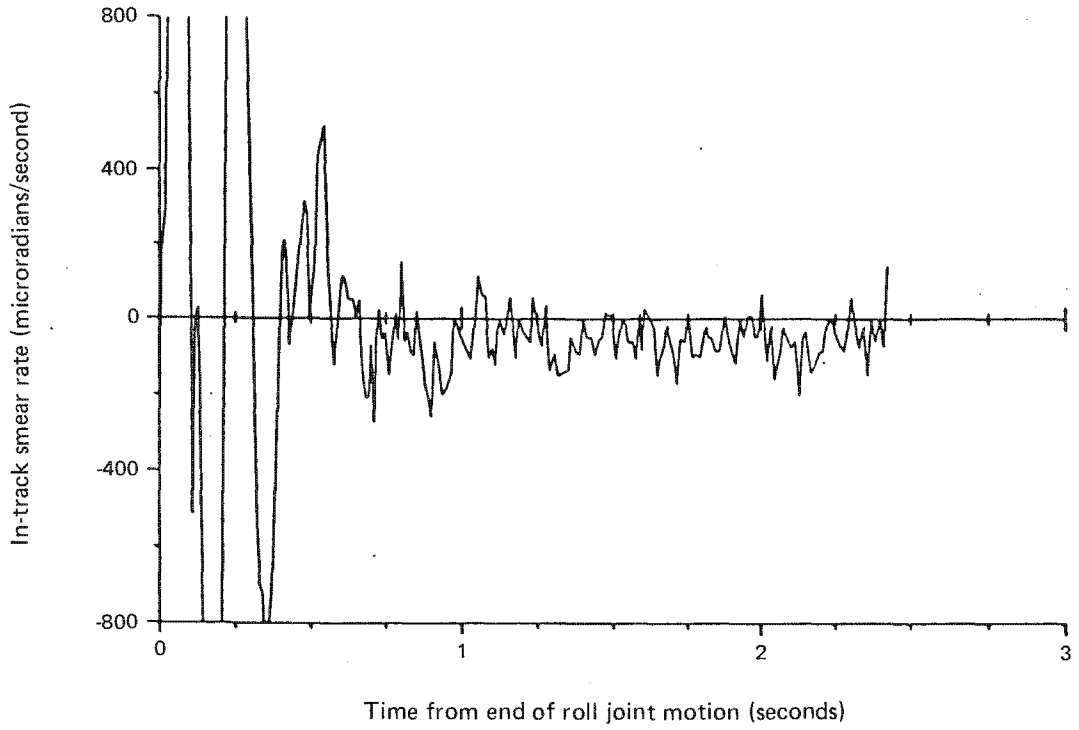


FIGURE 2-1: ROLL SETTLING TEST (REV 161, FRAME 9001)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887



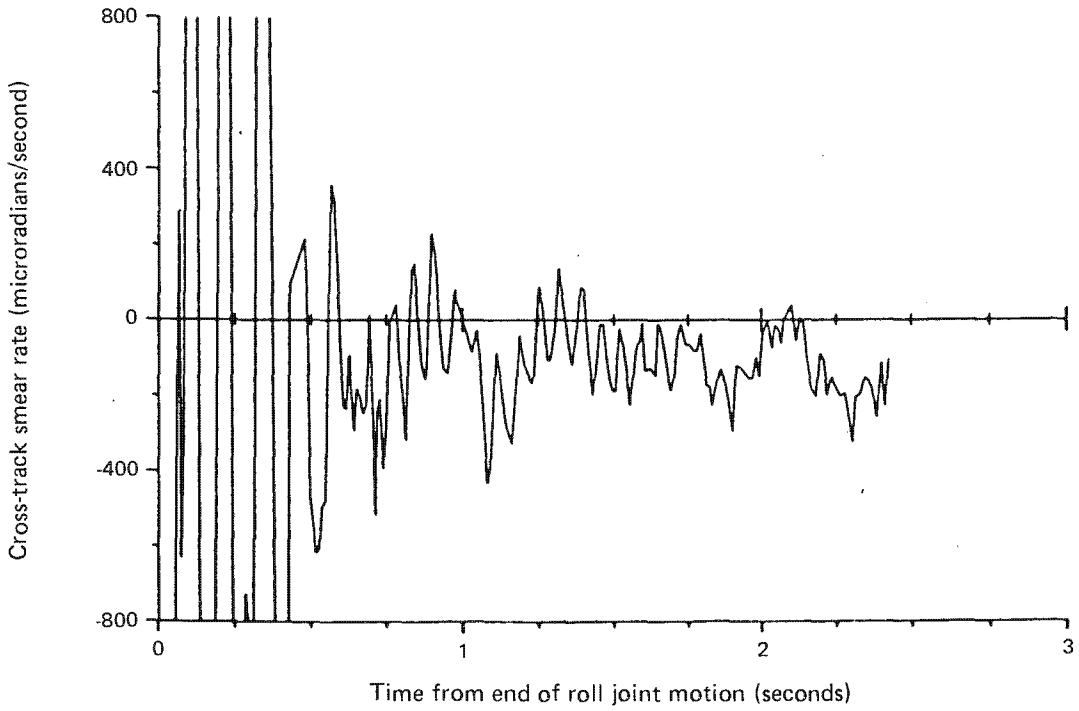


FIGURE 2-2: ROLL SETTLING TEST (REV 194, FRAME 9001)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

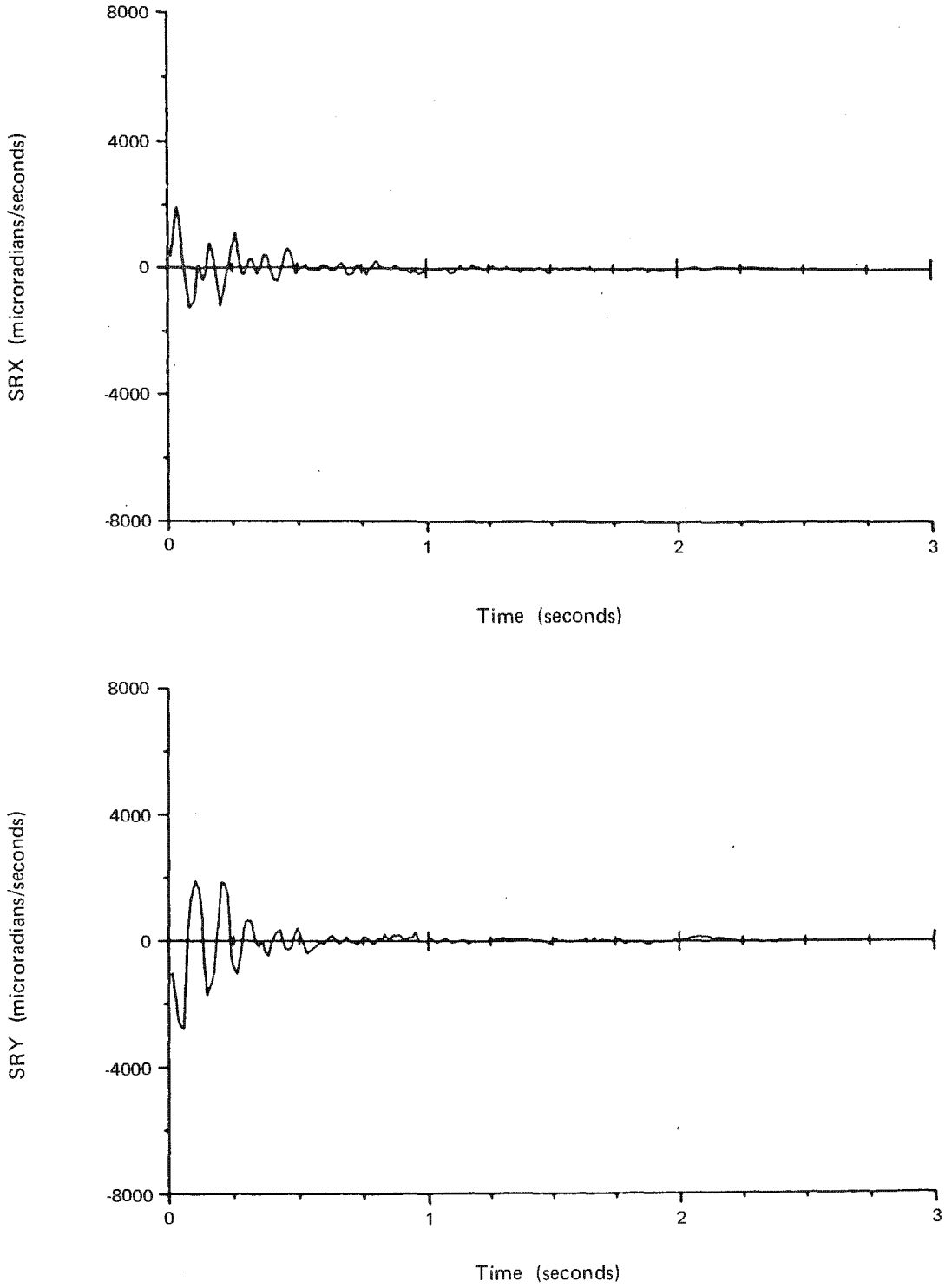


FIGURE 2-3: ROLL SETTLING (REV 1107, FRAME 9002)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

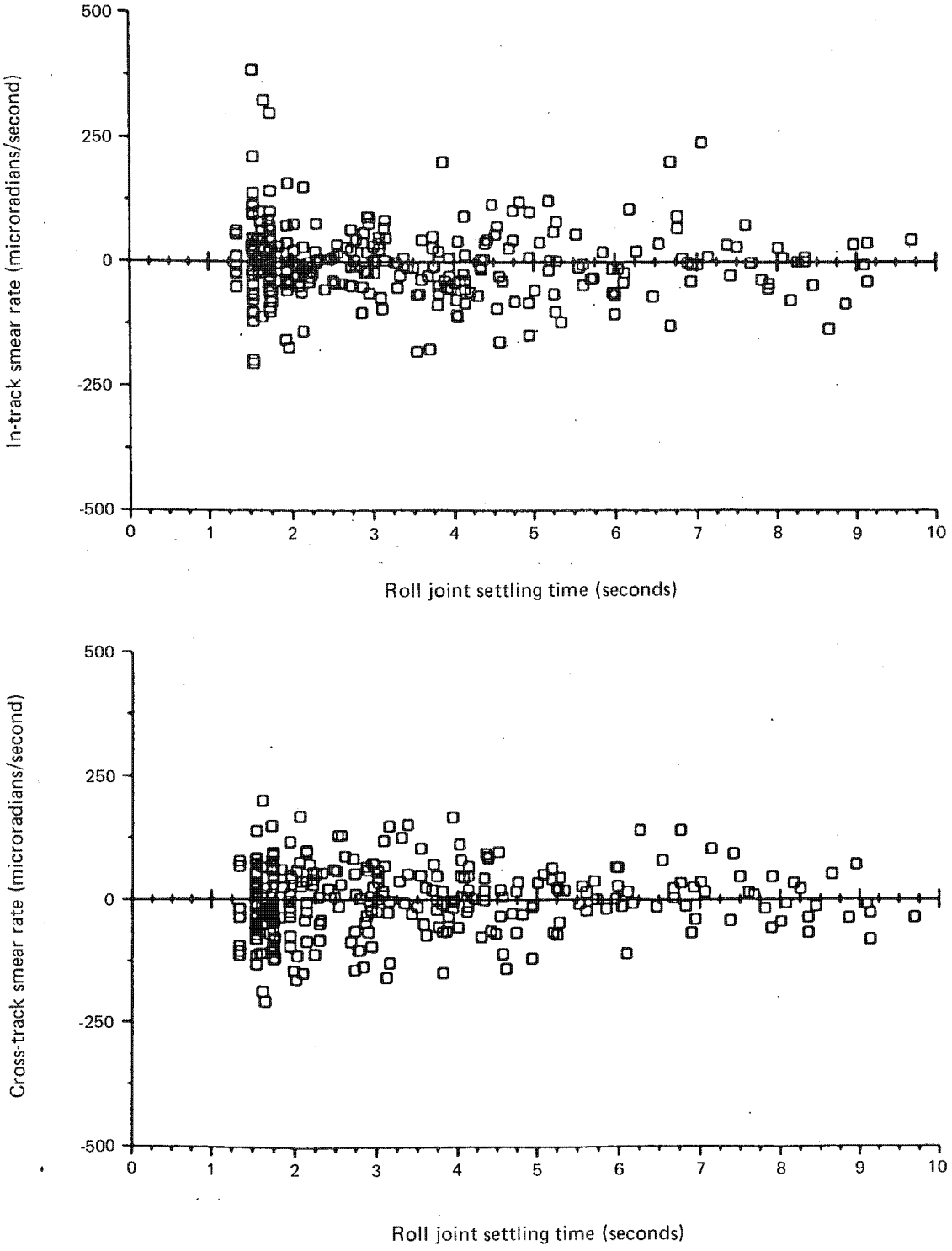


FIGURE 2-4: SMEAR RATE MEASURED FROM THE END OF ROLL JOINT MOTION

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

d. Stereo Settling Tests (SST)

Of the 22 stereo settling tests performed on this mission, 15 were sufficiently free from weather effects and cultural detail dropouts to be useful for smear analysis. Of these, 9 were half transitions and 6 were full transitions. The unusually large number of tests resulted from a desire in the Operations Group (OD-4) to reduce data base settling time, allowing higher target acquisition rates in high target density situations. In order to achieve a reasonable confidence level in altering these times, a larger sample size was needed. Eleven SST's were evaluated from the first mission segment and from these it was determined that a 0.1 second reduction in data base settling time could be allowed for three of the six stereo mirror transitions: forward-to-aft, forward-to-vertical and aft-to-vertical. The four additional tests from the second mission segment corroborated the first Quick Look results.

All test results can be characterized as follows:

1) On average, settling times for half transitions and full transitions were very close to original factory recommendations.

2) All transitions exhibited an 8 to 12 Hertz damping envelope, characteristic of the stereo mirror.

Figures 2-5 and 2-6 show typical settling profiles (in-track and cross-track) for a full and half transition. Note that similar to previous missions, cross-track had more high frequency content than in-track and damped out more rapidly. The low frequency in-track components (4 to 6 Hz) damped out quickly, while higher frequency components (8-12 Hz) damped slower but within factory specified limits.

The impact of oscillatory smear rate is shown in Figure 2-7, which plots in-track and cross-track smear rates measured from operational photography, corrected for biases and deterministic effects, as a function of settling time from the end of stereo mirror motion to the time of the camera-on command. The data represents a subset of the random smear samples taken over rev span 442 through 2045 when the spacecraft was being controlled by the primary attitude control system. Examination of the figures indicates that the range of smear rates would not be further reduced by the addition of settling time beyond that already allowed in the software data base. This further demonstrates the adequacy of the stereo mirror settling time allowed by the operational software.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

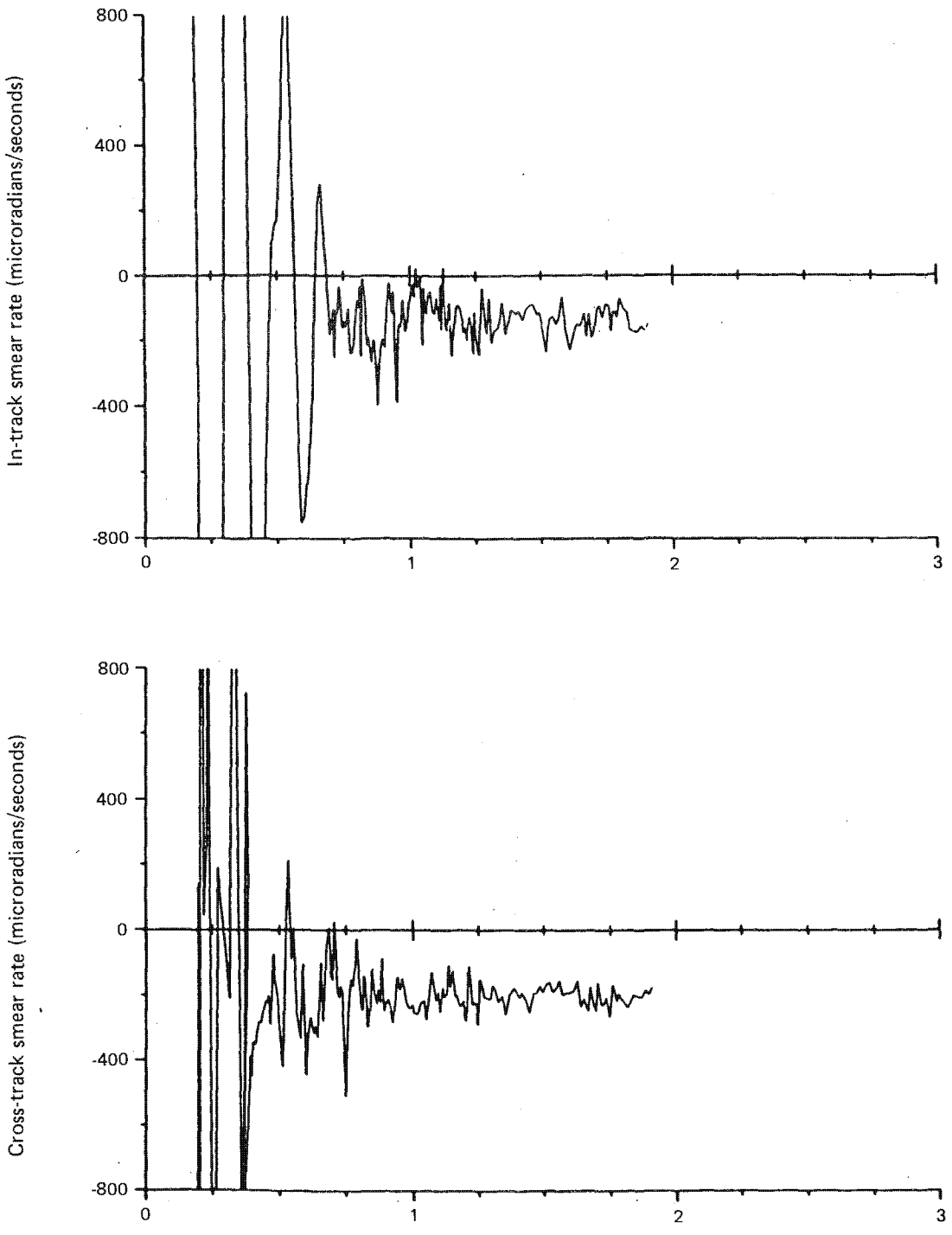


FIGURE 2-5: STEREO SETTLING TEST (EV 128, FRAME 9001)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

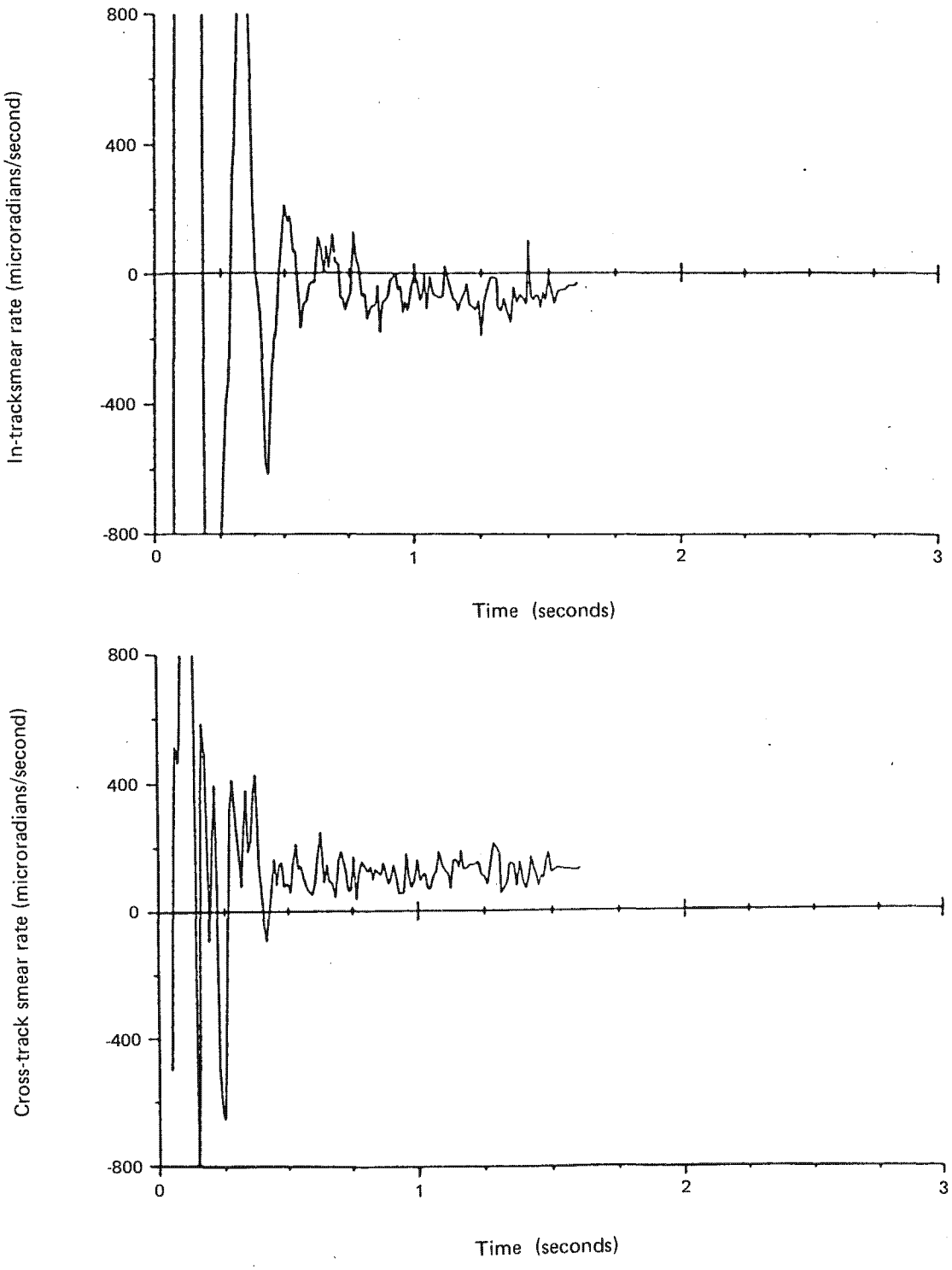


FIGURE 2-6: STEREO SETTLING TEST (REV 715, FRAME 9002)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

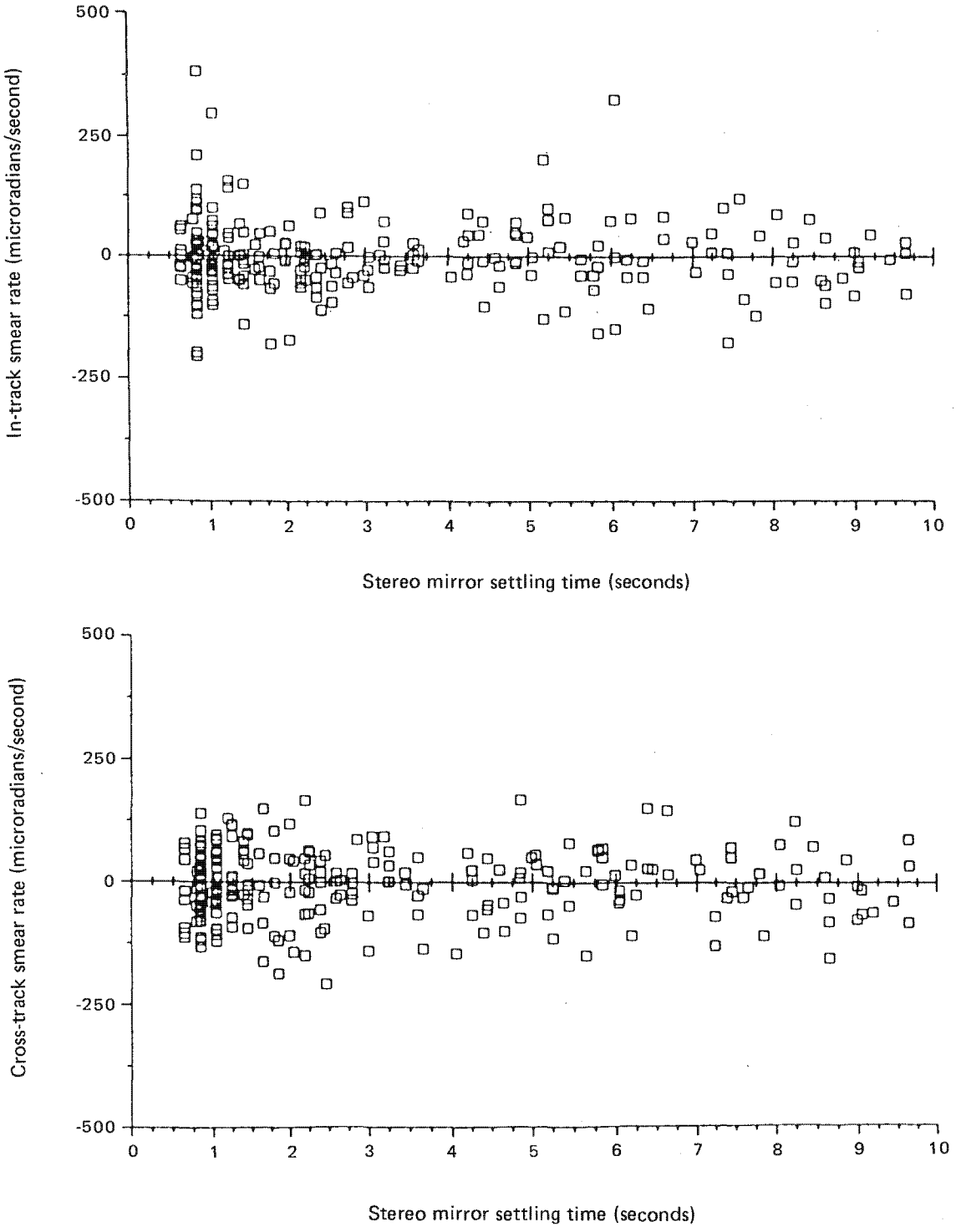


FIGURE 2-7: SMEAR RATE MEASURED FROM THE END OF MIRROR MOTION

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Additional testing of the redundant servo system was performed during the solo portion of the flight, in an attempt to isolate the cause of the anomaly and to estimate how much useful life might be left in the redundant motor after the appearance of these wearout symptoms. One thousand four hundred sixty-one stop-to-stop rolls (equivalent to over 8,600 average-sized rolls) were performed during the solo phase, with no further indication of the previously observed anomaly. In fact, an improvement was noted in the current traces as the number of rolls increased, implying that the motor brushes were reseating.

Although no definite cause for the anomaly was discovered, the most probable cause was an intermittent loss of motor brush contact. No evidence of brush wearout was noted. As a result of this solo phase testing, no hardware or operational changes are planned for Mission 4354.

C. PHOTOGRAPHIC PAYLOAD SECTION (PPS)

1. General PPS Camera System Information

a. Camera Data

The general camera data for Mission 4353 is shown in Table 2-3.

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 2-3

CAMERA DATA

Instrument No.	FM-53
Type	Strip
Focal Length (inches)	175.300
Filter	Wratten 2-E Equivalent
Axial static optical quality factor (percent)	
9-inch camera:	87.50
5-inch camera:	82.67

b. Pertinent Changes

(1) Protective shields were added to the 5-inch take-up spool flange to prevent the loose end of cut film from becoming caught in the take-up gears.

(2) The S-1/PRG calibrate mode function was disabled as a result of a possible generic mechanical failure discovered in factory testing of Vehicle 54. This had no effect on the S-1/PRG read mode function used for normal data gathering.

(3) The primary film path pressure transducer was disabled due to an out-of-spec condition in factory testing. The loss of this instrumentation point had no impact on the mission.

2. Camera Performance

a. Film Drive Smoothness

Photographic evaluation and Frequency Phase Locked Loop Electronics phase error diagnostic data indicated that film drive smoothness on both cameras was within specification limits.

b. Focus Subsystem

Early focus data on Mission 4353 showed the typical early rise seen on other vehicles. Once again, this correlated well with mirror temperatures. The very earliest focus data agreed perfectly with the initial recommendation of 0.0 mil. By Day 6 Best Electrical Focus (BEF) had stabilized, along with temperatures, and exhibited only minor fluctuations about an average BEF of +1.4 mils through the remainder of the mission.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Analysis of photographic focus experiments from SRV-1 revealed a significant bias between Best Photographic Focus (BPF) and BEF. An adjustment of -1.6 mils was made for the second mission segment and subsequently confirmed with later photographic focus experiments. When direct comparison between BEF and BPF was possible, the mean bias between the two before the adjustment was -1.6 mils with a standard deviation of 0.1 mil. After the adjustment the bias was 0.2 mil with a standard deviation of 0.2 mil.

A lengthy investigation into the focus sensor bias was initiated after the first Quick Look results. Areas investigated include focus sensor and platen position test/calibration data, focus sensor design, dynamic filter data reduction, orbital raw data, verification of spectral and spatial through-focus characteristics of the factory measured Camera Optics Assembly (COA) wavefront, and extensive simulations of hypothetical wavefront changes. To date, the cause of the bias has not been identified. Confounding the problem is the fact that the focus history from Mission 4353 is similar to previous missions in terms of initial data as well as subsequent trends (reference Section IV). Telemetry data from the focus sensor, including daily internal calibrations, verified focus sensor health throughout the entire mission.

By nature of the dynamic way in which the focus sensor operates on a complex optical input, many factors could potentially impact its response. It is, therefore, possible that the focus bias was not caused by a focus sensor hardware problem. The most likely cause identified as a result of the investigation is a change in the optical wavefront of the COA or the focus sensor. This could induce a wavefront focus bias between low spatial frequencies, where the focus sensor operates, and high spatial frequencies, where peak photographic performance occurs.

In the event that a definitive source of the BEF/BPF offset cannot be identified before the next GAMBIT flight, a special course of action may be required in response to focus sensor indications to protect against the possibility of a recurring problem. Such plans are being studied in conjunction with the other analyses.

3. Anomalies

a. Viewport Door Cycle Counter

Intermittent failure of this instrumentation switch, which counts open/close cycles of the viewport doors, occurred throughout the mission. Since door cycles were recorded and counted manually, this instrumentation failure had no impact on the mission.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

b. Termination Event Instrumentation

Several instrumentation switches monitoring termination related functions failed to give proper readings. Since redundant instrumentation was available these failures had no impact on the mission.

c. Viewport Doors

Starting on rev 354, the viewport doors intermittently cycled (open then closed) several times following a door-close command. This was not considered critical but the situation was monitored closely. On rev 607 the doors went into continuous cycling until stopped by a door-open command. On rev 616, the back-up door drive function was executed and door operations continued normally throughout the remainder of the mission. Factory analysis showed that the door cycling was caused by the failure of a microswitch in the double switch/double cam assembly in the door drive mechanism. Failure of the switch would not allow the door-closed state to be satisfied, causing the motor to continue driving until a door-open command was issued and satisfied by the second, healthy microswitch. The anomalous door behavior had no effect on mission photography.

d. Focus

Analysis of focus experiments from Mission 1 revealed a 1.6 mil bias between Best Electrical Focus, indicated by the focus sensor, and Best Photographic Focus, indicated by the film. A correction accounting for this bias was instituted in Mission 2 and analysis of Mission 2 focus experiments verified that correction. Further details can be found in Section IV.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

SECTION III

FILM AND PROCESSING EVALUATION

A. INTRODUCTION

This section presents information on Mission 4353 film load and usage, original film processing and physical degradation, and mission sensitometry.

B. FILM LOAD AND PROCESSING SUMMARY

1. Film Load Data

A summary of film loads by type and quantity is shown in Table 3-1.

TABLE 3-1

FILM LOAD: TYPES, QUANTITIES, AND USAGE

Nine-inch Camera System (feet)

Film Type	SO-315	SO-312	SO-409	3414	Total
Film delivered to pad (preflight measurements)	400	10,570	2,500	100	13,570
Mission Segment 1 (revs 1-962)					
Preflight usage (unexposed)	163	---	---	---	163
Total exposed	237	6,399	---	62	6,698
Total film	400	6,399	---	62	6,861
Mission Segment 2 (revs 963-2053)					
Film wrap (unexposed)	---	---	14	---	14
Total exposed	---	4,157	2,483	38	6,678
Total film	---	4,157	2,497	38	6,692
Mission Totals (revs 1-2053)					
Total unexposed	163	---	14	---	177
Total exposed	237	10,556	2,483	100	13,376
Total film	400	10,556	2,497	100	13,553

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 3-1 (Cont'd)

Five-inch Camera System (feet)

Film Type	SO-315	SO-312	SO-409	SO-255	SO-130	Total
Film delivered to pad (preflight measurements)	236	1,790	350	200	500	3,076
Mission Segment 1 (revs 1-962)						
Preflight usage (unexposed)	207	---	---	---	---	207
Total exposed	27	849	248	99	200	1,423
Total film	234	849	248	99	200	1,630
Mission Segment 2 (revs 963-2053)						
Film wrap (unexposed)	---	9	---	---	---	9
Total exposed	---	932	102	100	299	1,433
Total film	---	941	102	100	299	1,442
Mission Totals (revs 1-2053)						
Total unexposed	207	9	---	---	---	216
Total exposed	27	1,781	350	199	499	2,856
Total film	234	1,790	350	199	499	3,072

2. Processing

Mission 4353 processing information based on readout data is presented in Table 3-2. Locations of manufacturing splices are listed in Table 3-3. Optical titling information is given in Table 3-4. The cut between SRV-1 and SRV-2 occurred in frame 9901 of rev 958 on the 9-inch film and in frame 5901 of rev 960 on the 5-inch. The last titled frames of the mission were rev 2042, frame 9012 and rev 2045, frame 5034.

a. Mission 4353-1

SRV-1 arrived at Bridgehead at 0745 EDT on 14 June 1983. The SRV was in good condition and was opened and prepared for defilming operations without incident. The rolls were firmly wound, and the roll diameters were below the film flanges. As a result of the new flange guard incorporation, the 5-inch film was not jammed in the takeup gears, as on previous vehicles. The SRV was clean with no sign of battery acid leakage or venting. The 9-inch roll diameter measured 13.376 inches and the 5-inch roll diameter measured 6.891 inches.

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Excessive curl was noted in the 9-inch SO-312 roll, but defilming was accomplished without any problems. The 9-inch film was removed by 1315 EDT, and the 5-inch film by 1815 EDT. The processing order on the Ontario black-and-white processor was: 9-inch SO-315 film, 9-inch SO-312, 5-inch SO-315, SO-312, SO-409 and 9-inch 3414. The SO-255 natural color film was processed on the MP^2 color processor first followed by the SO-130 false color infrared film. Processing was completed by 0800 EDT on 16 June 1983.

b. Mission 4353-2

SRV-2 arrived at Bridgehead at 1330 hrs EDT, 20 August 1983. The SRV was in good condition. Both rolls were wound firmly below the top of the flanges. The outer 2.5 feet of the 9-inch roll were folded over and creased on the untitled edge as a result of the last 8 inches of film being rolled back onto itself. The 5-inch flange guard prevented interference of the 5-inch film with the take-up gears; however, the last three inches of film (which contained no imagery) were shredded as a result of flapping against the hardware after film run-in. Excessive curl was noted during the defilming of the 5-inch film. Defilming was accomplished without incident. The diameter of the 9-inch roll was 13.268 inches, and the diameter of the 5-inch roll measured 6.672 inches. There was no evidence of battery leakage. Defilming of the 9 and 5-inch films were completed by 1930 EDT and 2215 EDT, respectively.

Processing of the 9-inch SO-409 was started on the Ontario black-and-white processors at 1730 EDT followed by the 9-inch SO-312, 5-inch SO-409, 5-inch SO-312 and 9-inch 3414 film. The SO-255 film and the SO-130 film were processed on the MP^2 color processor. Processing was accomplished without problems and was completed at 0715 EDT on 22 August 1983.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 3-2

FILM PROCESSING SUMMARY

Mission Segment	Film	Processor	Process Spec. No.	9-inch camera		5-inch camera	
				Total frames	Total Footage	Total frames	Total Footage
1	SO-315	Ontario 10	878	438	400	42	234
	SO-312	Ontario 9	881	10,899	6,399	1,752	849
	SO-409	Ontario 10	882	---	---	357	248
	3414	Ontario 10	845	72	62	---	---
	SO-255	MP^2	101	---	---	190	99
	SO-130	MP^2	106	---	---	292	200
	Segment Total			11,409	6,861	2,633	1,630
2	SO-312	Ontario 9	881	7,485	4,157	1,491	941
	SO-409	Ontario 10	882	4,354	2,497	184	102
	3414	Ontario 9	845	25	38	----	---
	SO-255	MP^2	101	----	-----	216	100
	SO-130	MP^2	106	----	-----	477	299
	Segment Total			11,864	6,692	2,368	1,442
	Preflight *			------	163	-----	207
	Postflight *			------	14	-----	9
	Mission total			23,273	13,553	5,001	3,072

* Preflight and postflight footages included in total film footages.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 3-3

SPLICE LOCATIONS

Mission Segment	Camera	Rev	Frame	Film Types
1	9"	040	9026	SO-315 to SO-312
		355	9027	SO-312 to SO-312
		559	9039	SO-312 to SO-312
		938	9022	SO-312 to 3414
	5"	006	5018	SO-315 to SO-130
		189	5001	SO-130 to SO-312
		380	5003	SO-312 to SO-255
		499	5001	SO-255 to SO-312
		534	5024	SO-312 to SO-130
		644	5003	SO-130 to SO-312
		856	5029	SO-312 to SO-409
2	9"	995	9901	3414 to SO-312
		1310	9002	SO-312 to SO-312
		1620	9002	SO-312 to SO-409
		1897	9028	SO-409 to SO-409
	5"	1019	5001	SO-409 to SO-130
		1344	5002	SO-130 to SO-312
		1588	5005	SO-312 to SO-255
		1703	5011	SO-255 to SO-312
		1784	5003	SO-312 to SO-130
		1886	5002	SO-130 to SO-312

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 3-4

OPTICAL TITLING

Mission Segment	Film	Percent Titled 9-inch	5-inch
1	SO-315	0	90
	SO-312	96	51
	3414	0	--
	SO-409	--	72
	SO-255	--	0
	SO-130	--	88
2	SO-312	97	72
	3414	0	--
	SO-409	98	73
	SO-255	--	84
	SO-130	--	97

C. PHYSICAL DEGRADATIONS

1. Mission 4353-1

An edge tear on the 5-inch SO-130 film (rev 105, frame 5015) resulted in the information loss of a 2 x 3 inch patch of imagery. A three-inch scratch on the titled side of rev 644, frame 5003, resulted in an insignificant information loss.

Typical minor film defects were found in varying degrees, but none with a frequency that would indicate a problem with films, processors, or the camera system.

2. Mission 4353-2

The general comment regarding defects on 4353-1 apply. The creased 9-inch SO-409 film was restricted to the postflight portion and had no effect on imagery.

D. SENSITOMETRIC CURVES

Mission film samples exposed on the 1B sensitometer and processed with the mission films were used to derive the sensitometric curves. The D-log H curves for the individual film segments are presented in Figures 3-1 through 3-9.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

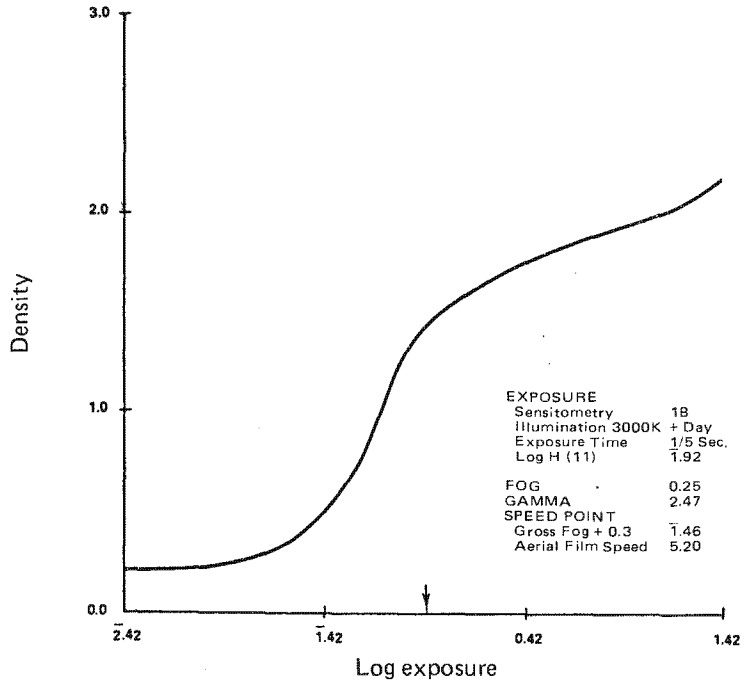


FIGURE 3-1: SENSITOMETRIC DATA, SO-315 FILM (9-inch camera)

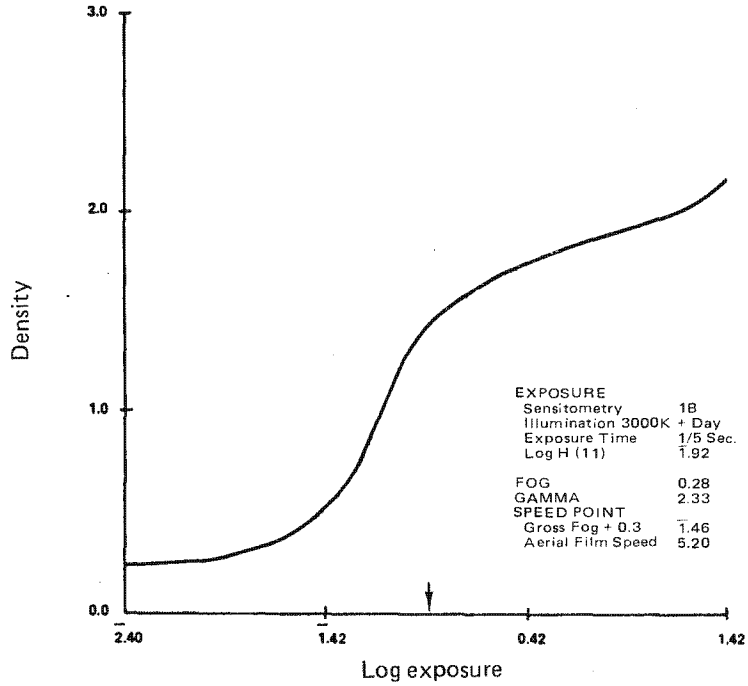


FIGURE 3-2: SENSITOMETRIC DATA, SO-315 FILM (5-inch camera)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

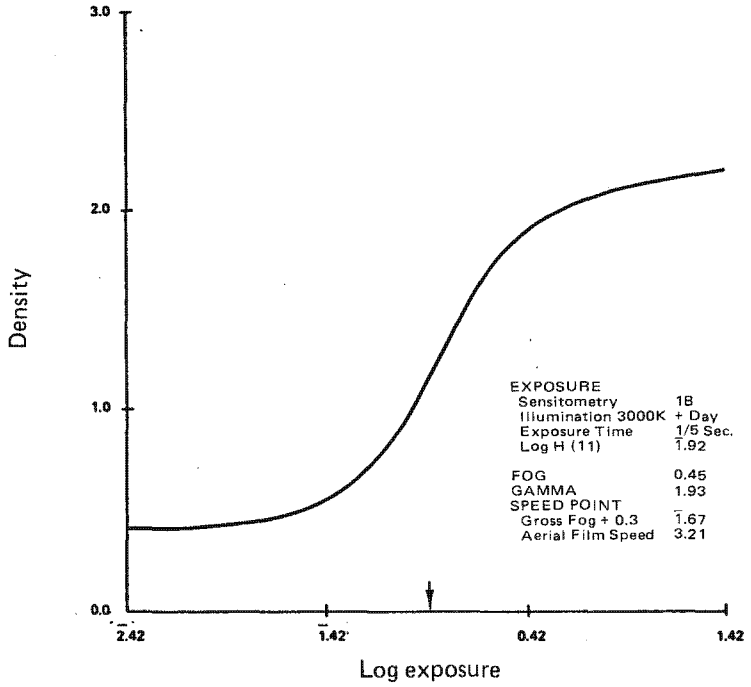


FIGURE 3-3: SENSITOMETRIC DATA, SO-312 FILM (9-inch camera)

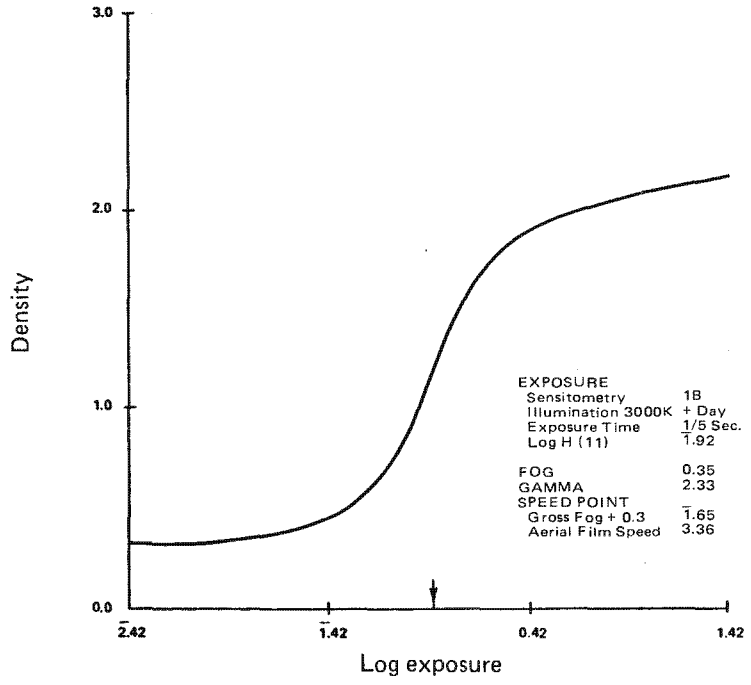


FIGURE 3-4: SENSITOMETRIC DATA, SO-312 FILM (5-inch camera)

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

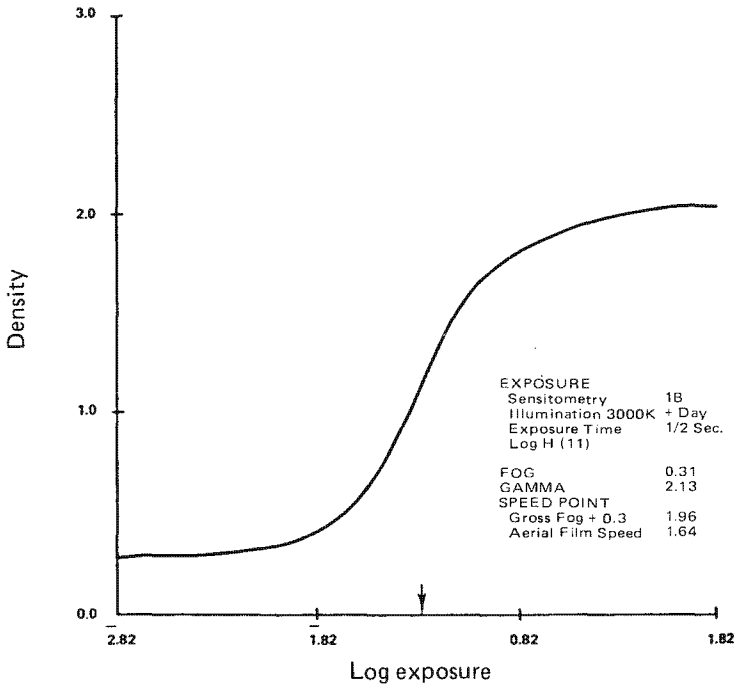


FIGURE 3-5: SENSITOMETRIC DATA, SO-409 FILM (9-inch camera)

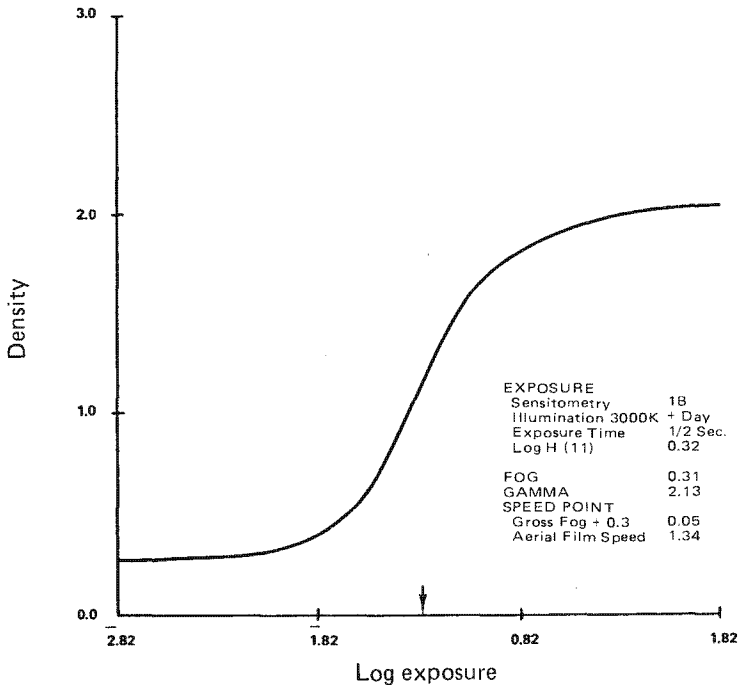


FIGURE 3-6: SENSITOMETRIC DATA, SO-409 FILM (5-inch camera)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

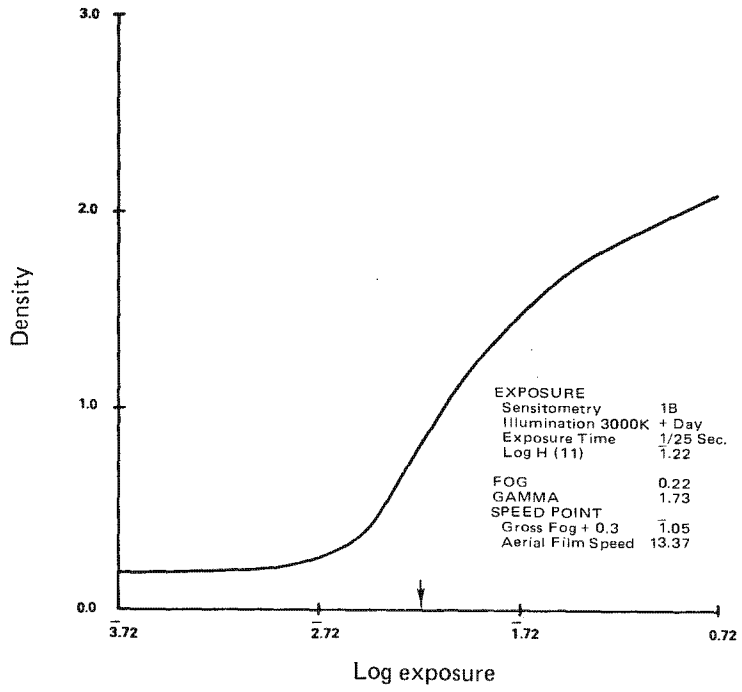


FIGURE 3-7: SENSITOMETRIC DATA, 3414 FILM (9-inch camera)

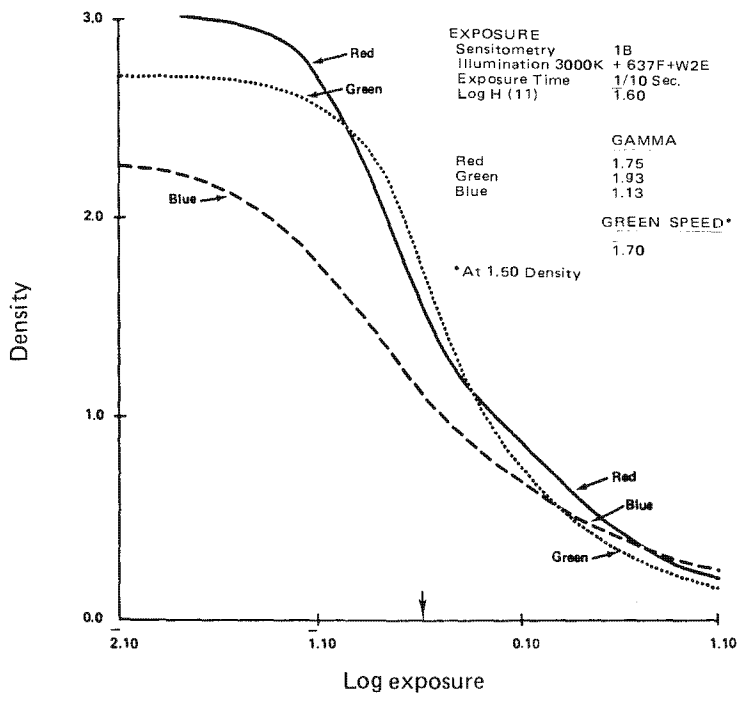


FIGURE 3-8: SENSITOMETRIC DATA, SO-255 (5-inch camera)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

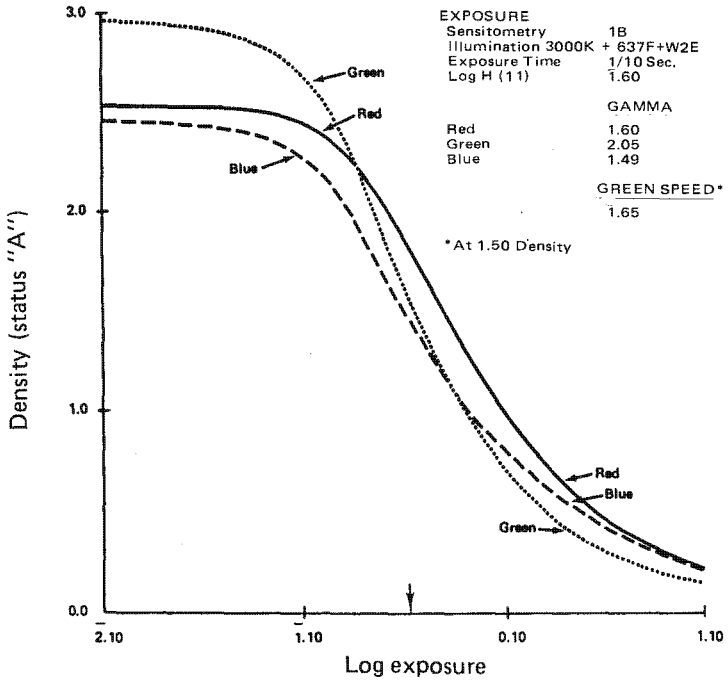


FIGURE 3-9: SENSITOMETRIC DATA, SO-130 FILM (5-inch camera)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

SECTION IV

IMAGE EVALUATION

A. INTRODUCTION

This section presents the results of the post flight evaluation of the original negative and duplicate positive. This evaluation is based upon tribar readings of CORN displays, analysis of focus, smear, exposure data, and subjective and objective analyses of sample mission photography.

B. OBJECTIVE EVALUATION

1. Focus

The PPS was launched with both cameras in a fail safe Biased Platen Position (BPP) of +0.5 mil. The fail safe position represents the best compromise focus position over the entire mission, should the platen adjust mechanism fail to function after launch. Initial focus sensor data was in excellent agreement with the pre-launch recommendation of 0.0 mil. Subsequent focus data analysis indicated a steady rise in Best Electrical Focus (BEF) associated with rising Camera Optics Assembly (COA) temperatures. Three additional recommendations were made in the first six days of flight. This positive rise in BEF was not consistent with the factory isothermal coefficient measured for this vehicle (-0.07 mil focus change per $1^{o}F$ increase in temperature). However, as has been pointed out in previous PET reports, the COA is never isothermal on orbit. It has been proposed that focus responds early-on to the non-isothermal "settling-in" period which is consistent from vehicle to vehicle. Since the early BEF history on Mission 4353 was very similar to previous low mode flights, it was believed to be normal, characteristic behavior. Figure 4-1 traces the Mission 4353 focus history and should be referred to for the following discussion on Continuous Defocus Record (CDFR).

a. Continuous Defocus Record (CDFR)

This method of assessing photographic focus requires continuous movement of the platen throughout the frame. Analysis of Best Photographic Focus (BPF) at the first mission segment Quick Look revealed a significant focus error in the operational imagery. From evaluation of two key focus experiments, it was determined that BPF was biased relative to BEF by -1.6 mils.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

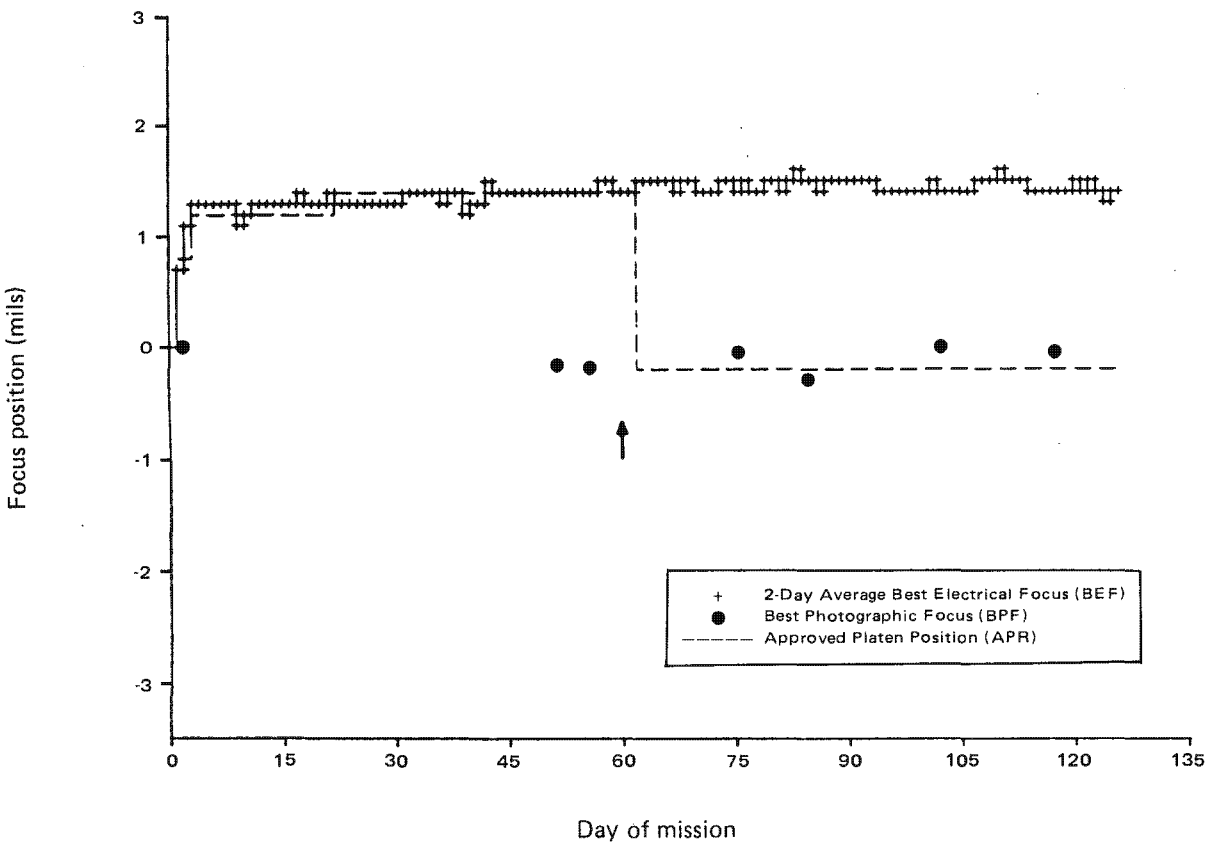


FIGURE 4-1: FOCUS HISTORY, MISSION 4353

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Eleven CDFR experiments were evaluated from the 9-inch camera and three from the 5-inch camera at the first segment Quick Look. Since CDFRs normally only cover a defocus range of plus or minus 1.5 mils around the Approved Platen Position (APR), none of these showed a peak focus position when evaluated. However, two special 9-inch CDFRs were intentionally biased from APR by -1.5 mils. These experiments contained a through-focus peak and provided a reliable estimate of the focus bias. Three separate evaluation techniques were used for this estimate, all of which showed good agreement: subjective quality assessment, power spectral analysis, and edge width analysis. Defocused CORN data were also utilized to corroborate the sense and approximate magnitude of the offset.

None of the three 5-inch CDFRs were intentionally biased, therefore, none showed a clear peak focus position. Each, however, demonstrated best subjective and objective quality at or near the -1.5 mil end of the experiment. When the analysis of these CDFRs was compared with the unbiased 9-inch CDFRs, it was determined that there was no significant difference between the peak 9-inch and 5-inch focus positions.

Based on the first mission Quick Look results, the APR was adjusted from +1.4 mils to -0.2 mil on rev 1013 (Day 63). Through the judicious implementation of the CDOL/DOD (Constant Door Open Light/Door Open Dark) passive thermal control policy, focus sensor data remained extremely stable for the rest of the mission and no additional focus recommendations were made.

Ten CDFRs were analyzed from the second mission Quick Look. All had been performed after the focus bias correction. Six of these were intentionally biased by either 1.5 mils or 3.0 mils to guard against an unstable BPF/BEF bias. In all cases, peak focus was beyond the range of the biased experiment, as anticipated. The four nominal CDFRs (centered around the new APR) were spaced uniformly through the second mission and showed that BPF was, indeed, as stable as BEF. More importantly, they confirmed the -1.6 mils adjustment implemented for the second half. The mean difference between BPF and APR was 0.2 mil with a standard deviation of 0.2 mil.

The cause of the BPF/BEF bias was not identified. Steps have been taken to guard against a similar occurrence on the next GAMBIT flight. A discussion of the BPF/BEF bias investigation can be found in Section II of this report.

b. S-1/Platen Reference Gauge (PRG) Experiment

The purpose of the S-1/PRG experiment is to monitor PPS physical dimensions which affect the location of best focus. A significant shortcoming of the experiment is the sensitivity of the probes to moisture. This sensitivity has been well documented in previous PET Reports (Missions 4348 and 4349).

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Because of this sensitivity, the experiment is accurate only as a short term relative indicator, and therefore, provided only limited insight into the Mission 4353 focus bias anomaly. Nevertheless, one area in which the PRGs played an important role was in verification of the health of the Nominal Platen Adjust (NPA) subsystem. PRG data, combined with platen position instrumentation, helped eliminate platen position calibration as the source of the focus offset.

Data gathered during vehicle ascent is shown in Figure 4-2. As on previous missions, all three probes shifted negatively during the Agena main engine burn, with S-1 indicating an out-of-band reading about 80 seconds after the start of the burn. The downward transition of the PRGs increased dramatically about 150 seconds into the burn, which may be the result of changing frequencies and/or resonances affecting the platen or PRG targets. At the conclusion of the burn, all these probes returned to levels slightly higher than the initial states due to early moisture outgassing. These signatures are characteristic of the ascent burn, and are confirmed by previous operational data.

S-1/PRG read mode data gathered throughout the remainder of the mission revealed the characteristic positive drift associated wih the vacuum-induced reduction in moisture. Figure 4-3 shows the response of the sensors throughout the mission, along with BEF as indicated by the focus sensor. The sudden increase in S-1 response midway through the mission is consistent with previous missions and is believed to be an electrical artifact related to the separation of SRV-1.

The "calibrate" mode function was disabled on this vehicle as a result of mechanical failure discovered in factory testing. This was done to guarantee the success of the "read" mode.

Six FUTS (Full Turn S-1) experiments were performed to acquire orbital S-1 data during full revs of vehicle operation. The FUTS profile is very repeatable and characteristic of the PPS. It has been well documented in previous PET reports. Mission 4353 was similar to previous missions, with S-1 excursions of 0.2 to 0.3 equivalent focus mils. The FUTS effect correlates best with vehicle hotdogging, although the exact mechanism has not been identified.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

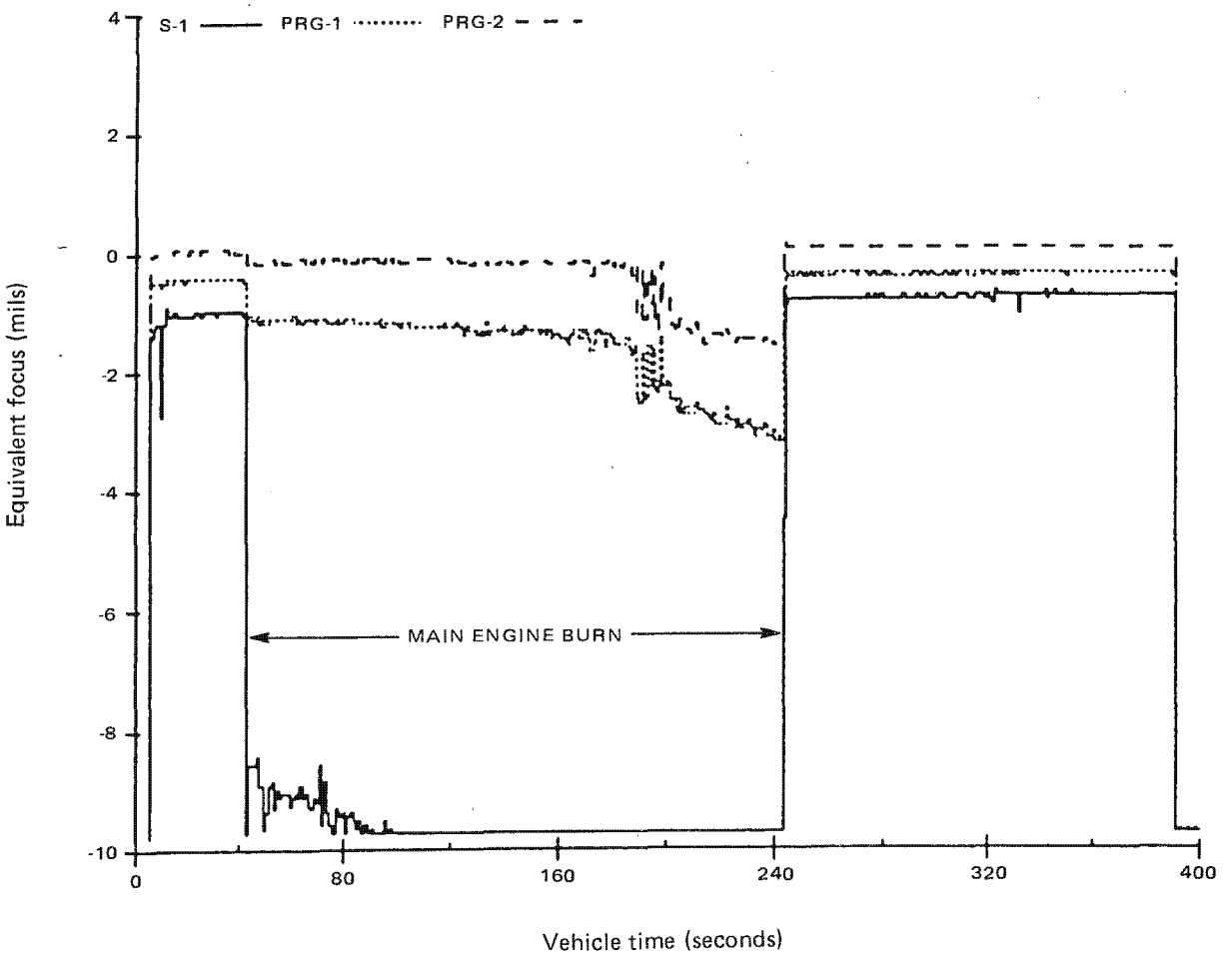


FIGURE 4-2: S-1/PRG DURING AGENA MAIN ENGINE BURN

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

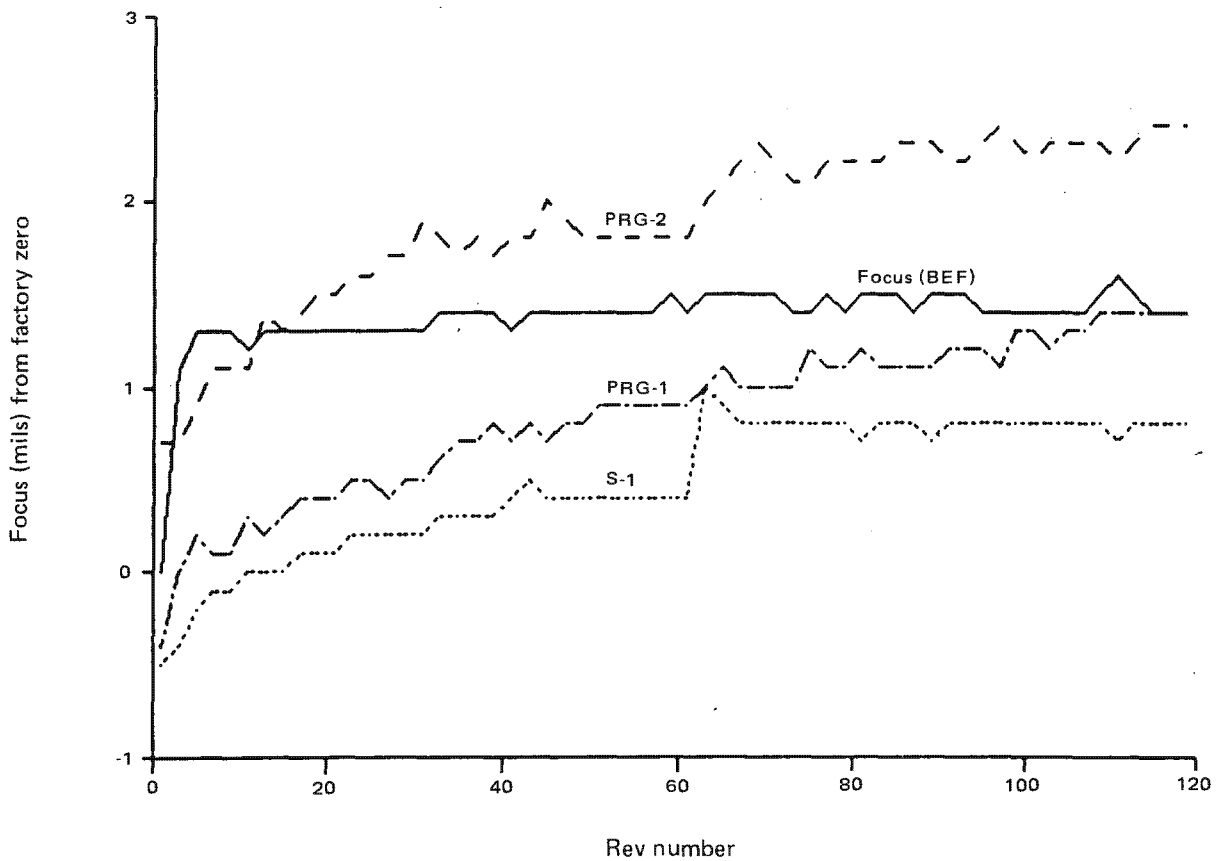


FIGURE 4-3: S-1/PRG AND BEF HISTORIES, MISSION 4353

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

2. Lens System

Operational astigmatism was estimated from analysis of the defocused CORNS. The analysis showed the astigmatism to be 0.3 mil with the cross-track further from the lens as contrasted with factory measured data of 0.5 mil with the in-track further from the lens. The change in the magnitude and direction of the astigmatism is not significant considering the uncertainty of the operational estimate.

3. Smear

Smear data were collected from 500 9-inch and 75 5-inch frames chosen at random from operational photography. Overall smear statistics are better than the average for this block of vehicles. Table 4-1 compares Mission 4353 overall smear statistics with those of 4342 through 4352. All data refers to computed smear at the center of the film format.

Smear rate histograms for both the 9 and 5-inch systems are shown on Figures 4-4 and 4-5. In general, the 5-inch smear statistics compare favorably with those of the 9-inch system.

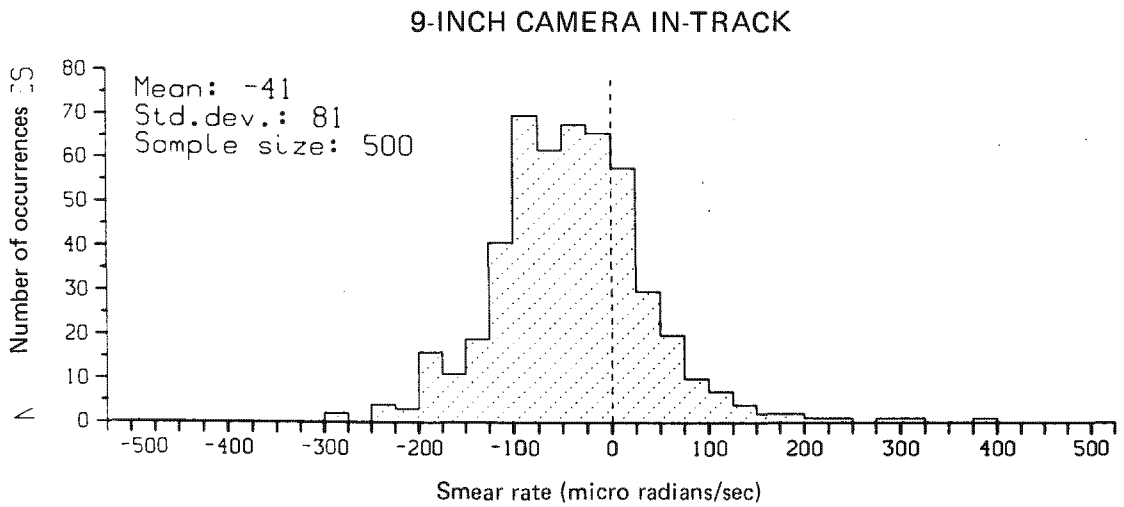
TABLE 4-1

SMEAR RATE DISTRIBUTION BY MISSION
(Microradians/Sec.)

Camera	Mission Number	In-Track				Cross-Track				Sample Size
		Signed distribution		Folded distribution		Signed distribution		Folded distribution		
		Mean	Std. Dev.	Mean	Std. Dev.	Mean	Std. Dev.	Mean	Std. Dev.	
	4342	20	123	98	76	-44	129	107	82	80
	4343	-21	91	71	59	9	113	94	63	87
	4344	53	157	128	106	-68	128	118	84	104
	4345	-55	162	135	105	23	137	112	81	203
	4346	-53	133	115	86	10	104	80	68	194
	4347	-48	149	124	87	-46	109	94	70	163
					Block 48					
	4348	-30	142	115	88	-3	121	96	73	199
	4349	24	140	108	92	-58	141	123	88	592
	4350	6	120	89	81	-65	123	109	87	581
	4351	14	102	77	68	-70	119	109	85	838
9-inch	4352-High	9	57	32	48	-23	37	35	26	94
	4352-Low	28	90	69	64	-135	88	138	82	128
5-inch	4352-High	11	29	26	16	-14	48	35	34	17
	4352-Low	33	144	108	98	-94	92	107	76	21
9-inch	4353	-41	81	70	57	3	112	90	66	500
5-inch	4353	-19	122	97	76	81	111	112	79	75

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887



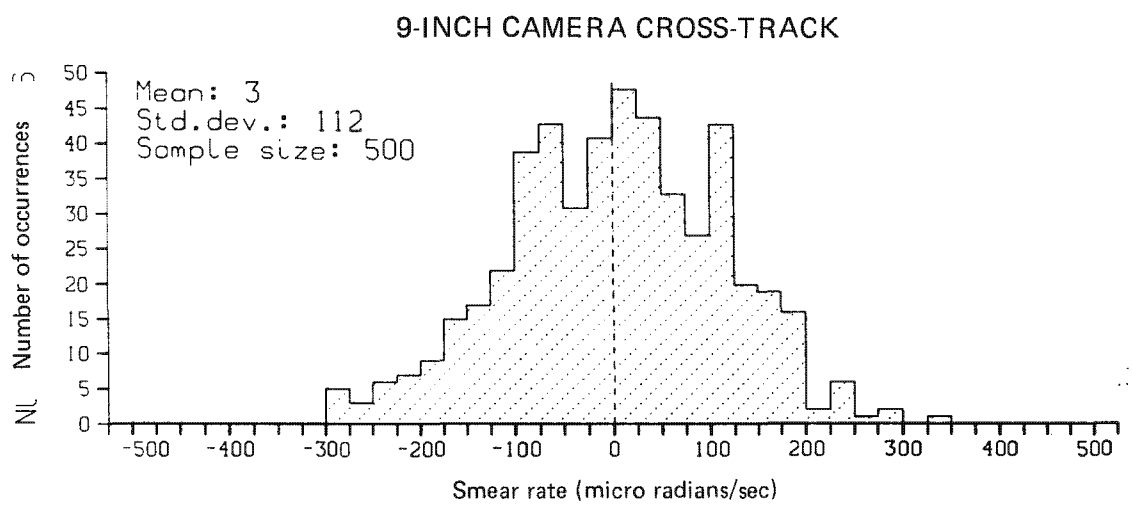


FIGURE 4-4: SMEAR RATE DISTRIBUTION, MISSION 4353

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

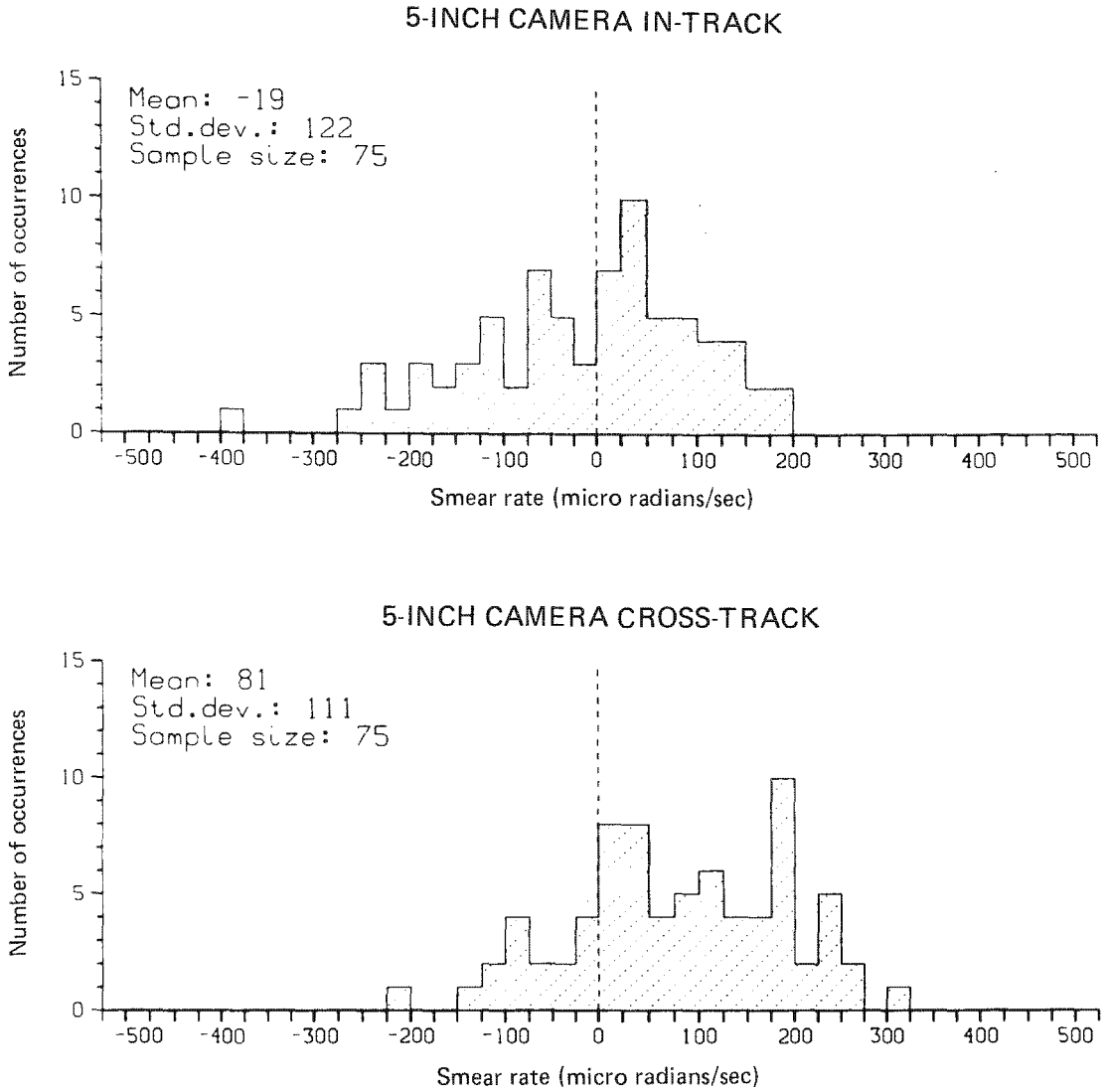


FIGURE 4-5: SMEAR RATE DISTRIBUTION, MISSION 4353

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Table 4-2 shows the 9-inch smear rate data from the entire mission grouped by hardware and software bias configuration. Line A presents the results obtained during the first half of 4353-1, when the Redundant Attitude Control System (RACS) was in control. The cross-track smear bias indicates an uncompensated yaw error on the order of -0.12 degrees. Lines B and C depict results obtained while the Primary Attitude Control System (PACS) was in control. The short rev span covered in line B represents the time required to plan, schedule, perform, and analyze the PACS gyro drift tests. The corrections applied in line C are the results of analysis of the gyro drift test data and the a priori -0.1 degree PACS yaw bias. The cross-track smear bias shown in line C indicates that the yaw error was slightly over compensated, and should have been approximately -0.1 degrees total.

TABLE 4-2

HARDWARE AND SOFTWARE EFFECT ON SMEAR RATES

				Software Biases Degrees						Smear Rates (Microradians/Second)			
					SCS		PPS			In-Track		Cross-Trac	
Line	Rev Span	Mission Segment	Guidance System	Roll	Pitch	Yaw	Pitch	Yaw	Samples	Mean	Std. Dev.	Mean	Std.
A	1-441	1	RACS	.029	0	0	-.021	.011	110	-44	79	-105	92
B	442-491	1	PACS	.029	0	-.100	-.021	.011	14	-43	56	- 79	96
C	492-2045	1&2	PACS	.029	0	-.156	-.021	.011	376	-39	82	37	96

Notes

Line A Attitude control by RACS for system bias determination

Line B Attitude control by PACS for system bias determination (includes a-priori -0.1 degree yaw compensation

Line C Conditions after compensation for measured on-orbit PACS gyro drift

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

Attitude and misalignment bias errors were estimated by performing a least squares fit to the target miss distance and random sample smear data. Results of these fits are presented in Table 4-3. Line A utilized data gathered while the SV attitude control was provided by RACS; line B used PACS data. The results of the two fits are very close, with the exception of the individual yaw components. Because the PPS yaw is highly correlated with SCS yaw, and PPS pitch is highly correlated with SCS pitch, the individual attitude/misalignment bias components cannot be thought of as indicating actual sources of error, but rather a means for providing an optimum compensation of observed smear and pointing biases. Since it is unlikely that the PPS yaw misalignment bias would change during the flight, a reasonable conclusion to be drawn from Table 4-3 is that the yaw bias is attributable to the SCS, and has a value of approximately -0.1 degrees. This is consistent with results from recent missions. The specific cause of this yaw bias has never been determined.

TABLE 4-3

RESULTS OF LEAST-SQUARES FITS OF SMEAR AND POINTING DATA FROM MISSION 4353

		Estimated Biases (degrees)						Residual Smear Rates*	
			SCS		PPS		Number of Smear		
Line	Rev Span	Roll	Pitch	Yaw	Pitch	Yaw	Samples	IT	XT
A	0-441	.067	.146	-.081	-.089	-.042	109	75	60
B	442-2045	.057	.123	-.155	-.100	.053	390	72	67

*microradians/second, one sigma

4. Resolution Statistics

All CORN acquisitions were read by three readers representing EKC, NPIC, and SAFSP. Complete CORN acquisition data, including 2:1 normalized resolution values, are presented in Appendix B. Table 4-4 summarizes the average performance for the black-and-white films carried on both the 9 and 5-inch cameras. Resolution values in this table are as read (not normalized) from the original negative and include all CORN acquisitions that were not intentionally defocused outside the depth of focus of the system. Overall and individual SRV statistics are shown in order to demonstrate the dramatic improvement in quality after the focus bias was corrected.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

TABLE 4-4
AVERAGE RESOLUTION SUMMARY OF TRIBAR TARGETS

(line pairs/mm)

Original Negative

MISSION SEGMENT 1

Camera	Film Type	IT	XT	GM	No. of Samples
9-inch	SO-312	132	135	133	90
9-inch	SO-315	139	200	167	4
9-inch	SO-409	---	---	---	---
5-inch	SO-312	134	131	132	31
5-inch	SO-409	144	151	148	8

MISSION SEGMENT 2

Camera	Film Type	IT	XT	GM	No. of Samples
9-inch	SO-312	147	181	163	28
9-inch	SO-315	---	---	---	--
9-inch	SO-409	195	244	216	18
5-inch	SO-312	151	210	177	22
5-inch	SO-409	---	---	---	--

MISSION TOTAL

Camera	Film Type	IT	XT	GM	No. of Samples
9-inch	SO-312	136	146	141	118
9-inch	SO-315	139	200	167	4
9-inch	SO-409	195	244	216	18
5-inch	SO-312	141	164	151	53
5-inch	SO-409	144	151	148	8

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

5. Factory-to-Orbit Correlation

Correlations between the predicted and measured CORN tribar resolution values for the 9 and 5-inch cameras are shown in Figures 4-6 and 4-7.

The correlation plots for the 9-inch camera were generated with data from SO-312, SO-315, and SO-409 film; the ratio of measured-to-predicted resolution was 0.72. The correlation plots for the 5-inch camera were generated with data from SO-312 and SO-409; the combined ratio of measured-to-predicted resolution was 0.74.

The correlations shown in Figures 4-6 and 4-7 are intended to demonstrate the predictability of individual resolution points given the conditions of acquisition. The variability is a measure of prediction errors as well as a reflection of essentially uncontrolled and random effects.

C. EXPLOITATION SUITABILITY

Tables 4-5 and 4-6 summarize NIIRS data by mission segment and film type. Comparison of the cameras based on NIIRS statistics indicates no real difference in exploitation suitability between the 9 and 5-inch camera imagery. NIIRS data shows that the SO-312 and SO-315 films were comparable on the first mission segment.

The segment to segment comparison of SO-312 film, using only the clear weather/complete coverage NIIRS ratings, indicates a 0.2 increase in average NIIRS on 4353-2. This may be attributed to the focus adjustment made for 4353-2. No other comparisons of film types were made because of insufficient sample size in the data sets.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

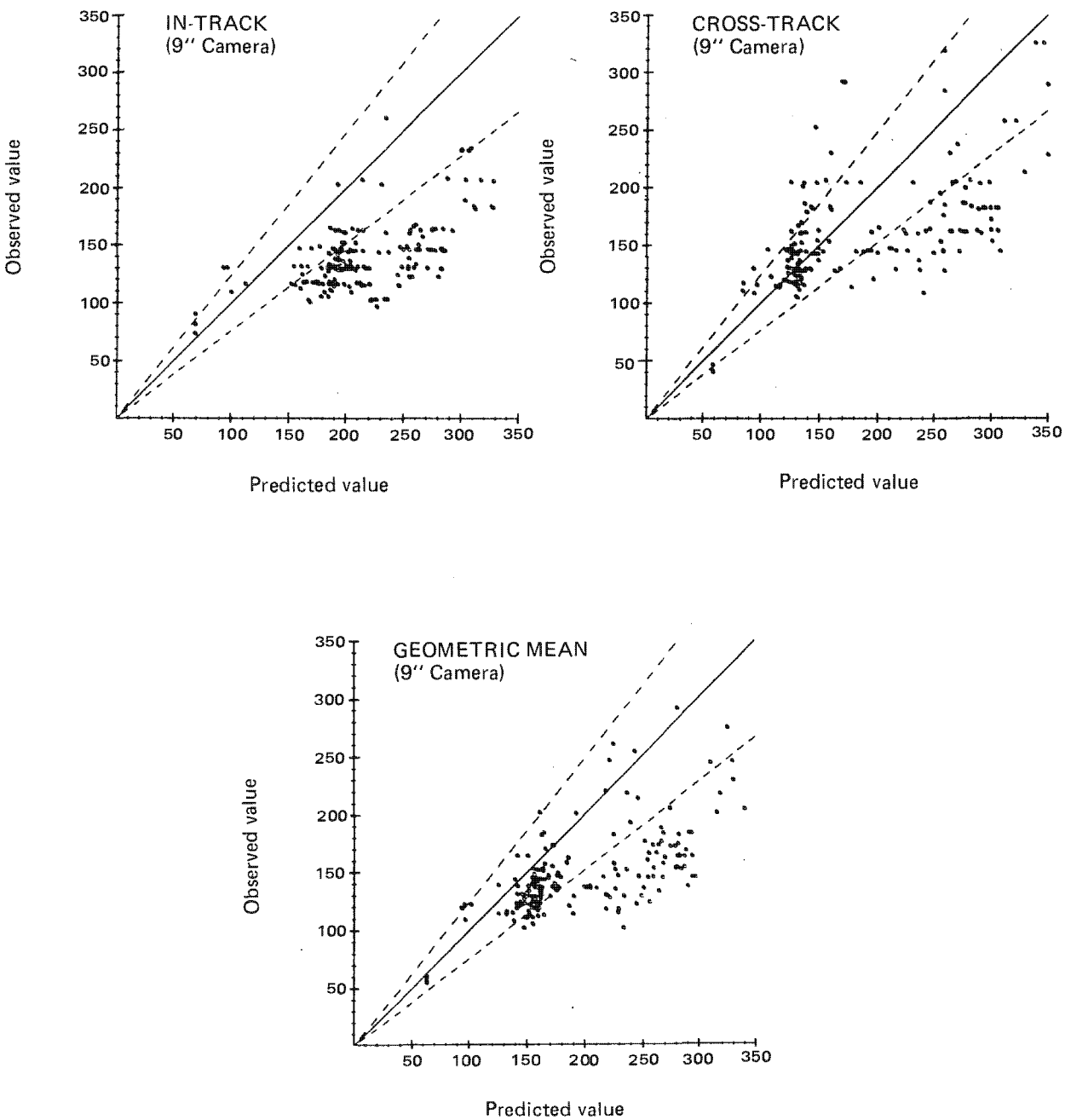


FIGURE 4-6: FACTORY-TO-ORBIT CORRELATION 9 INCH CAMERA (LINES/mm)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

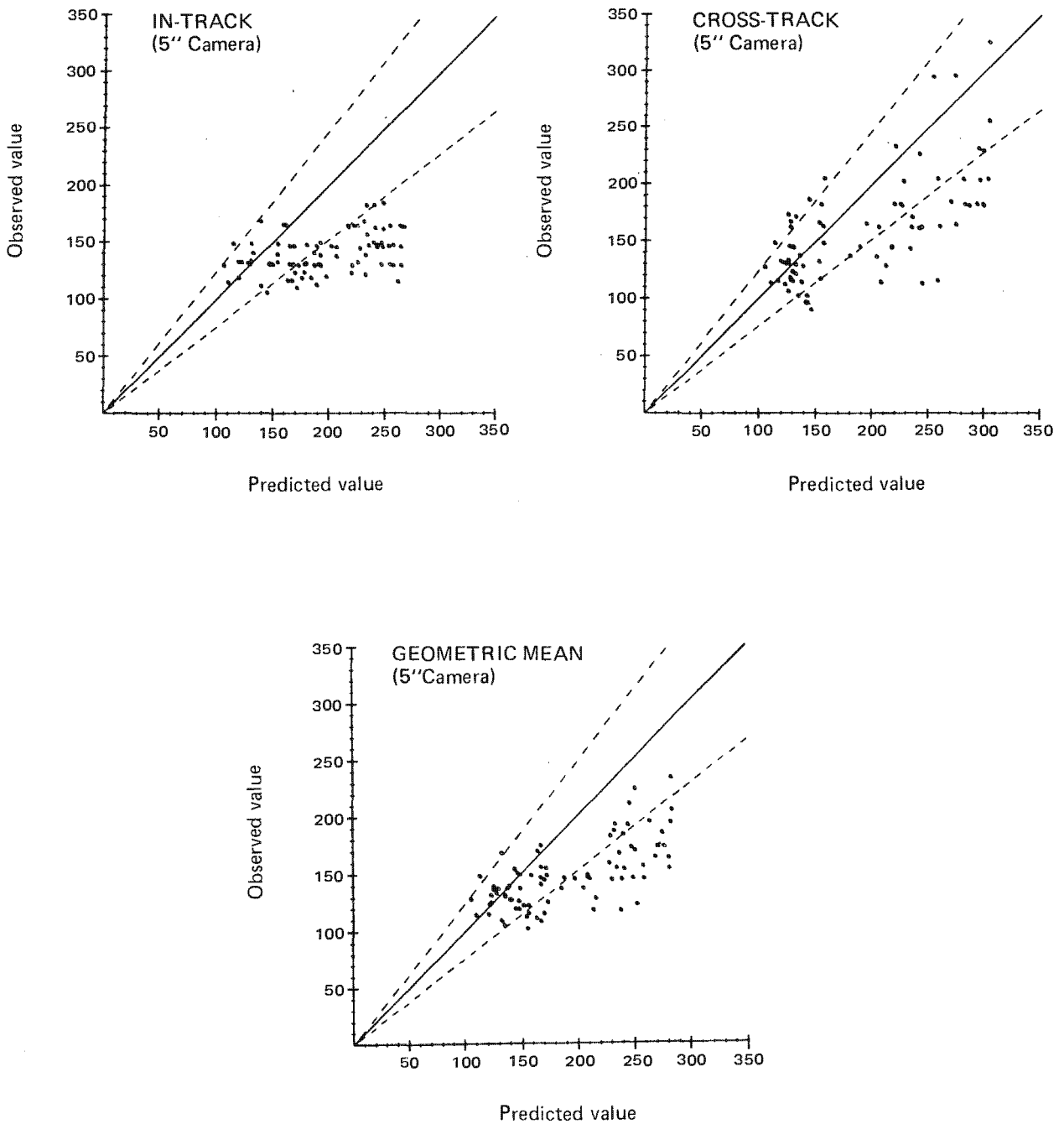


FIGURE 4-7: FACTORY-TO-ORBIT CORRELATION 5 INCH CAMERA (LINES/mm)

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

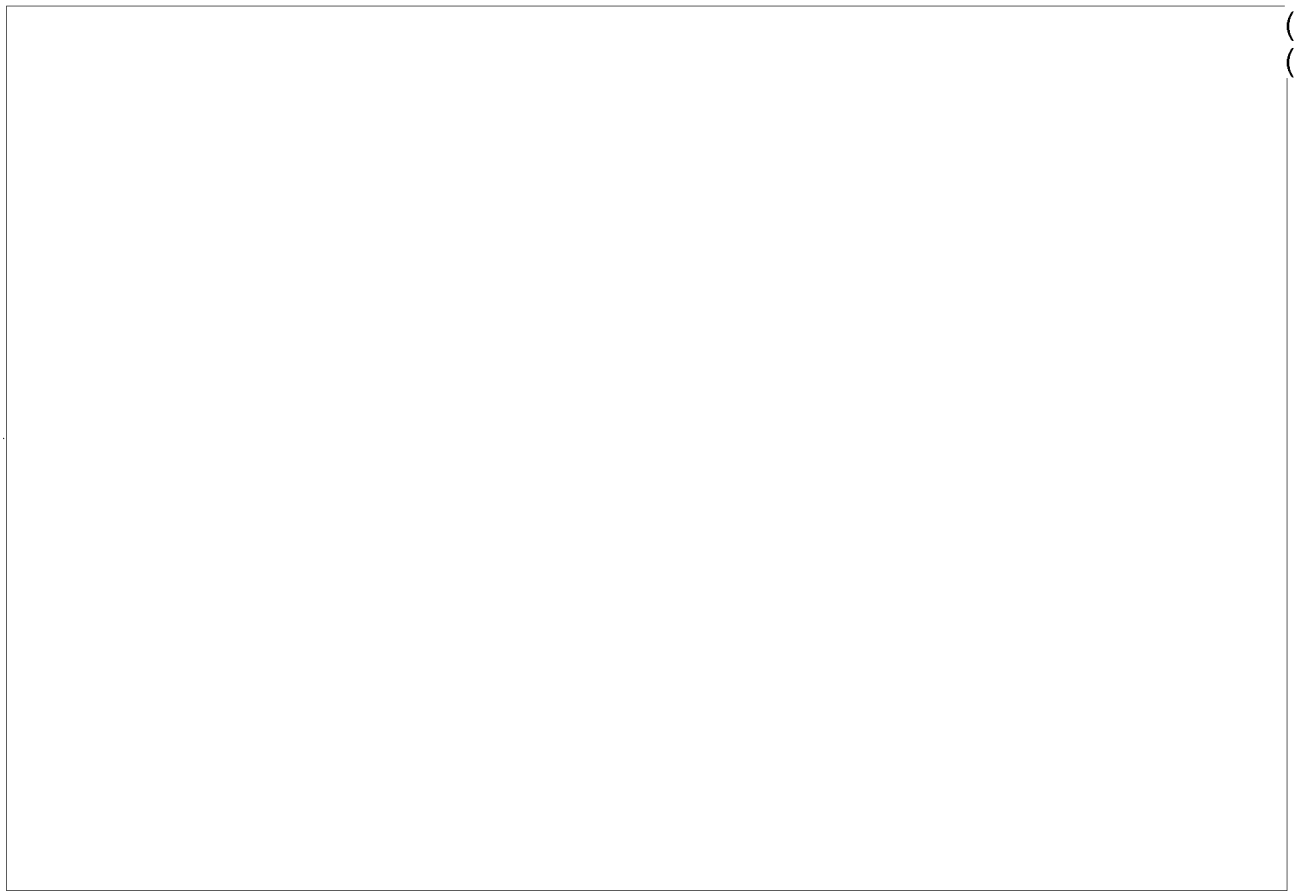
Approved for Release: 2021/01/22 C05132887

TABLE 4-5

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887



(b)(1)
(b)(3)

D. FILM EVALUATION

1. Tone Reproduction

Tone reproduction for the original negative (ON) and the duplicate positive (DP) was determined from microdensitometer traces of CORN target gray panels on cloud-free engineering photography. Tone reproduction curves for the original negatives (SO-312, SO-315 and SO-409) and the duplicate positives are shown in Figures 4-8 and 4-9. Each plot illustrates the relationship between the equivalent microdensities and the log reflectances of the gray scale.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

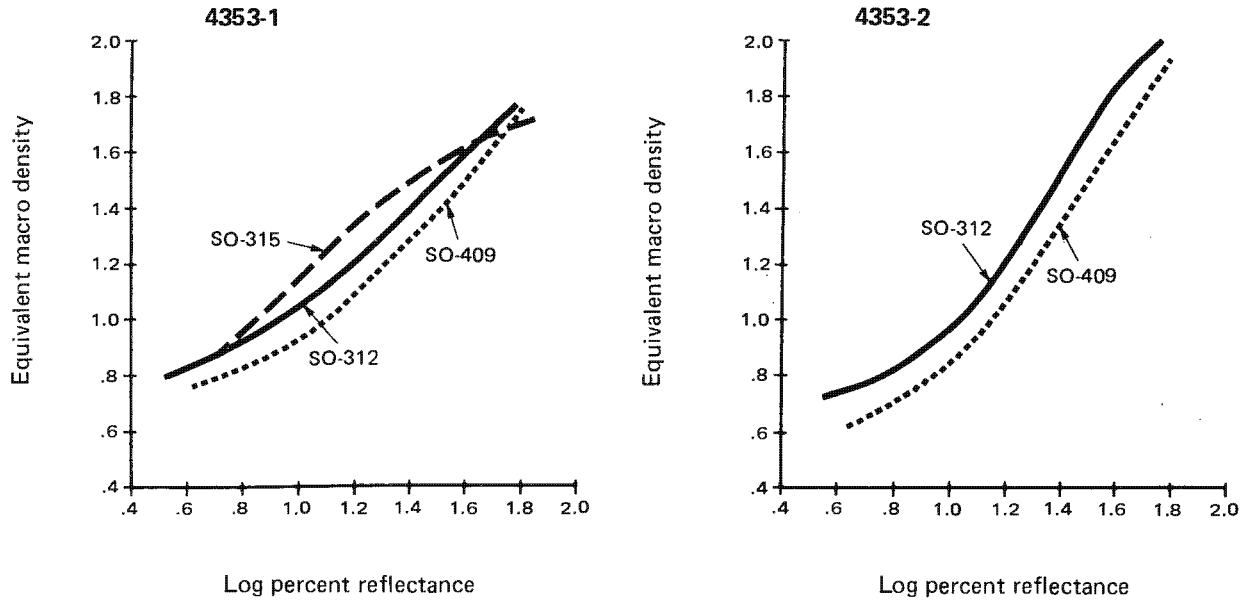


FIGURE 4-8: TONE REPRODUCTION, ORIGINAL NEGATIVE

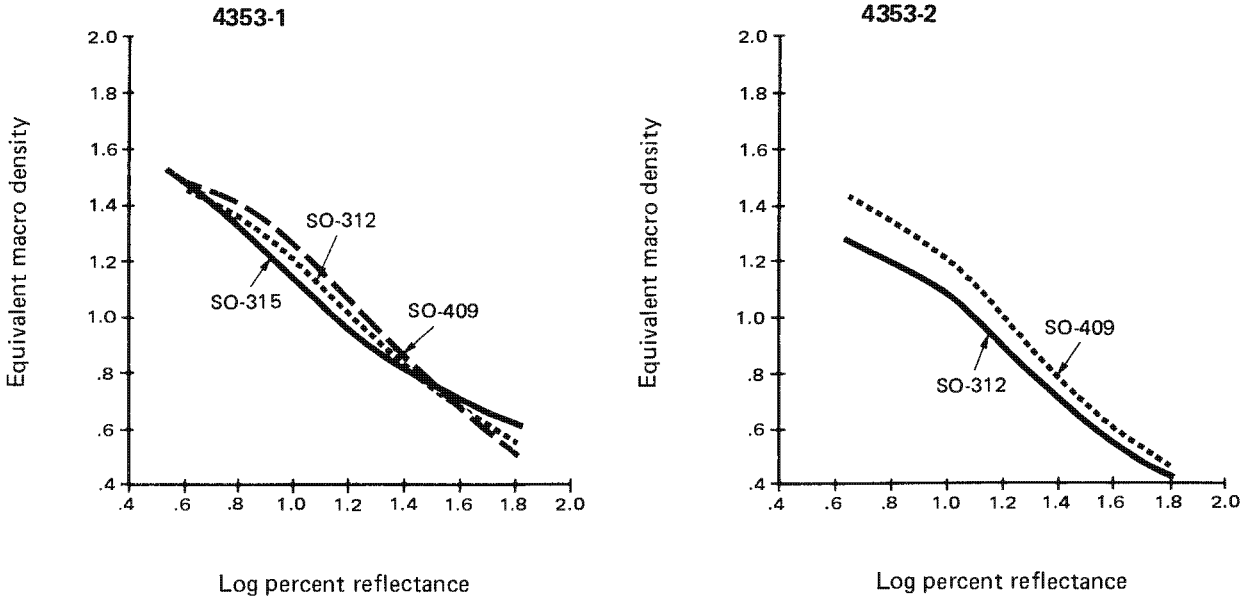


FIGURE 4-9: TONE REPRODUCTION, DUPLICATE POSITIVE

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

2. Subjective Evaluation By Film Type

a. The overall image quality acquired on 4353-1 black-and-white clear imagery is slightly less than that typically acquired by the best 4300 series missions. The slightly lower than typical image quality is the result of a bias in the focus setting during this segment. An adjustment of the focus setting, to improve image quality, was made early in segment two.

The overall image quality acquired on 4353-2 is noticeably better than that of the first segment. Clear imagery on black-and-white films range in quality from good to excellent, with the majority of the frames in the good to very good category. There is an increase in the number of hazy frames on this segment, and for these particular frames, the imagery is of lower contrast and will not retain edge definition at high magnification.

Subjective assessments indicate that the quality of each film type is uniformly consistent prior to the focus setting adjustment. The quality after the adjustment also was uniformly consistent but at an improved level. This suggests that the system performed in a stable manner throughout Mission 4353.

b. SO-312

This was the principal film for both cameras. The majority of clear imagery varied in quality from fair to very good, with most of the higher ratings on 4353-2. Quality from both cameras is comparable.

c. SO-315

This film type was used in both cameras on 4353-1 only. The image quality was nearly equal to that of the first segment SO-312 film.

d. SO-409

Both cameras acquired imagery with SO-409 film. The image quality is better on axis than that acquired with the SO-312. Due to the finer grain, the SO-409 retains better edge definition under magnification than the SO-312.

e. 3414

Only the 9-inch camera contained a small segment of 3414 film located at the end of SRV-1 and the beginning of SRV-2. The image quality is fair and comparable to the quality expectations from this film.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

f. SO-255

The SO-255 was only used with the 5-inch camera. Contrast is good and spatial resolution of clear scenes is fair to good.

g. SO-130

The SO-130 was only used with the 5-inch camera. Color balance, contrast and spatial resolution were typical for GAMBIT false color infrared imagery.

3. Reproduction System Evaluation

Figure 4-10 depicts the nominal performance of the SO-312 original negative to the SO-299 duplicate positive portion of the 4353 reproduction system. The curve describes the modulation transfer factor of the system as a function of spatial frequency.

It is important to note that inferences which relate to other measures of system performance, such as resolution transfer, cannot be made from the Modulation Transfer Factor (MTF) curve.

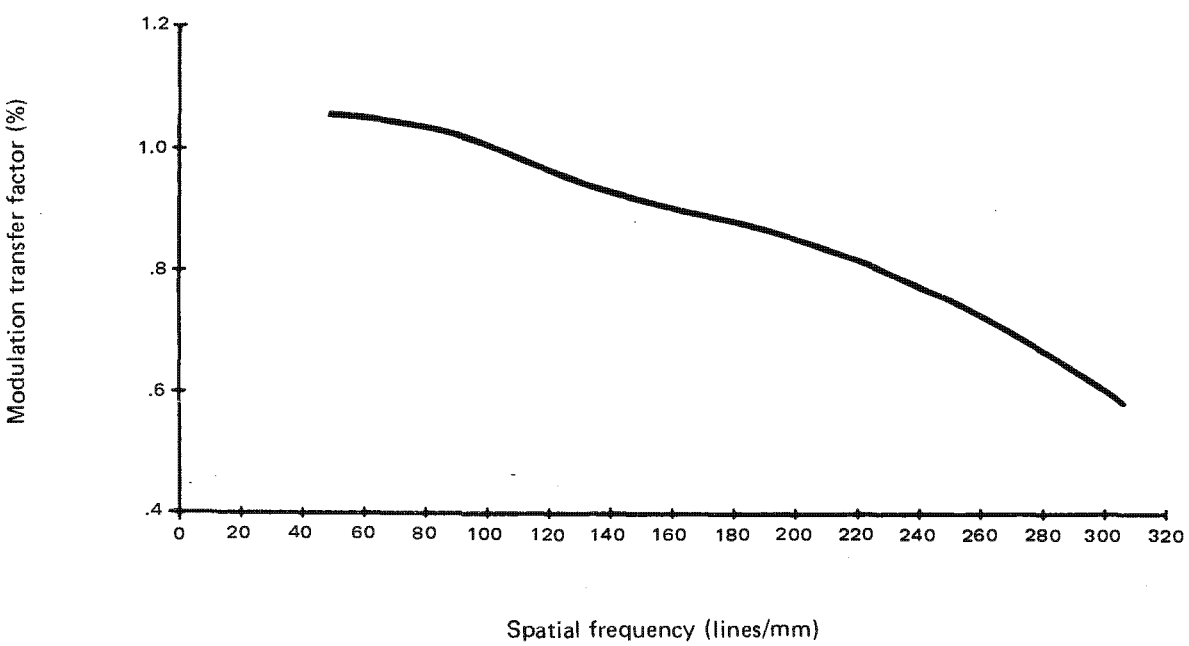


FIGURE 4-10: MISSION 4353 REPRODUCTION MTF (SO-312 ONTO SO-299)

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

SECTION V

SUMMARY OF CONCLUSIONS

A. SECTION I - MISSION OPERATION AND STATISTICS

1. Operational strategy allowed extension of a planned 120-day mission to 127 Days, with two additional days of solo activity.

[redacted] (b)(1) (b)(3)

3. A record number of frames were taken on this mission: 27,652.

4. Despite several SCF Ground Support system problems, the mission was successfully completed.

5. Mission 4353 returned a best resolution of [redacted] (cross-track). The mission median geometric mean value on the 9-inch system was [redacted] during 4353-1 and [redacted] during 4353-2. (b)(1) (b)(3)

6. A switch to the back-up viewport door was accomplished during 4353-1, rev 616.

7. A mix of assessed weather with luminance sensor data resulted in an improved target countdown accuracy.

B. SECTION II - SATELLITE VEHICLE PERFORMANCE

1. Satellite control section performance was virtually problem-free. Thrust Chamber Assembly No. 1 throat temperatures were successfully controlled by the addition of in-line flow restrictors.

2. The cross-track smear bias was as low as it has been on any mission since 4342. This was due in part to an a priori yaw bias compensation which was applied to the Primary Attitude Control System.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

3. There was a significant focus bias between BPF and BEF during 4353-1. A correction of -1.6 mils was made on rev 1013. Analysis of focus experiments from 4353-2 corroborated the adjustment. The mean difference between BPF and BEF was 0.2 mil with a standard deviation of 0.2 mil.

4. A microswitch failure in the Viewport Door mechanism caused the doors to cycle open/close continuously on rev 607. The back-up drive function was executed on rev 616 and door operations continued normally throughout the remainder of the mission.

C. SECTION III - FILM AND PROCESSING EVALUATION

1. Defilming and processing were accomplished without major incident. There was no evidence of electrolyte leakage in either capsule. An edge tear on one 5-inch frame (SO-130 film) during processing resulted in minor loss of imagery.

2. The 9-inch camera film load was primarily comprised of SO-312 with lesser amounts of SO-409, SO-315 and 3414. The 5-inch camera contained SO-312, SO-409, SO-315, color SO-255, and false color infrared SO-130.

3. As on previous missions, film jogs were used before and after daily periods of payload inactivity.

D. SECTION IV - IMAGE EVALUATION

1. In-focus film plane resolution, as measured by CORN readings on 4353-2, was slightly lower than that measured on previous missions.

2. Overall, black-and-white films returned good to very good imagery after an adjustment was made to correct the focus bias.

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
5 5001	7918.91	47 22N	132 30E	87.5	189.6	2.181	23.80	50.6	S0315	.01660	8.4025	0.4	V
5002	7938.31	46 2N	130 16E	87.1	189.4	1.826	-26.60	51.1	S0315	.01660	8.2952	0.4	F
5003	7955.91	44 38N	131 33E	85.7	189.2	2.390	21.00	52.8	S0315	.02210	8.4933	0.6	F
5004	7959.71	44 23N	131 27E	85.4	189.2	2.390	20.65	53.0	S0315	.02210	8.5263	0.6	F
5005	7965.31	44 26N	131 23E	84.4	189.1	2.181	19.25	53.0	S0315	.02210	8.6171	0.6	A
5006	7970.51	43 41N	130 60E	81.2	189.1	2.390	13.65	53.5	S0315	.02210	8.9638	0.6	F
5007	7975.11	43 47N	130 53E	79.8	189.0	2.390	10.15	53.4	S0315	.02210	9.1041	0.4	A
5008	7979.31	43 5N	130 48E	80.4	189.0	2.390	12.95	54.0	S0315	.02210	9.0546	0.6	F
5009	7994.51	42 16N	130 18E	77.6	188.8	2.530	4.90	54.6	S0315	.03080	9.4673	0.8	V
5010	7997.51	42 16N	130 18E	78.6	188.8	2.530	5.25	54.6	S0315	.03080	9.2527	0.6	A
5011	8014.91	40 45N	129 14E	80.2	188.6	2.530	-17.50	55.5	S0315	.02210	9.0294	1.4	F
5012	8018.71	40 41N	129 13E	79.2	188.6	2.530	-17.15	55.6	S0315	.03080	9.2774	0.6	V
5013	8021.51	40 42N	129 13E	80.0	188.6	2.530	-16.80	55.6	S0315	.03080	9.1123	0.8	A
5014	8046.31	38 38N	128 16E	87.3	188.4	2.181	-30.10	56.9	S0315	.01660	8.2704	0.6	F
5015	8055.51	38 26N	128 9E	88.3	188.3	2.390	-31.85	57.1	S0315	.01660	8.2704	0.8	A
9001	7897.51	48 49N	132 54E	86.3	189.9	2.181	21.35	49.3	S0315	.02200	8.5173	0.8	V
9002	7900.71	48 49N	132 54E	87.5	189.9	2.181	21.70	49.3	S0315	.02200	8.2862	0.8	A
9003	7907.71	48 1N	131 57E	80.0	189.8	2.181	3.15	49.8	S0315	.02200	9.0702	0.6	F
9004	7910.51	48 1N	131 57E	79.1	189.8	2.181	3.50	49.8	S0315	.03070	9.2931	0.8	V
9005	7923.71	47 16N	132 17E	85.3	189.6	2.181	19.60	50.6	S0315	.01650	8.5090	0.6	A
9006	7949.31	45 8N	131 22E	86.9	189.3	2.390	11.90	52.3	S0315	.02200	8.9794	0.4	F
9007	7984.31	42 44N	130 48E	82.2	188.9	2.390	15.75	54.3	S0315	.01650	8.8474	0.6	F
9008	7987.11	42 44N	130 48E	81.4	188.9	2.390	16.10	54.3	S0315	.02200	9.0290	0.6	V
9009	7994.71	42 15N	130 18E	77.6	188.8	2.530	4.90	54.6	S0315	.03070	9.4664	0.8	V
9010	8004.31	41 27N	129 39E	78.3	188.7	2.530	-9.80	55.0	S0315	.02200	9.2600	0.6	F
9011	8007.11	41 27N	129 39E	77.3	188.7	2.530	-9.45	55.1	S0315	.02200	9.4994	0.6	V
9012	8010.31	41 26N	129 36E	78.3	188.7	2.530	-10.15	55.1	S0315	.02200	9.2848	0.6	A
9013	8051.71	38 29N	128 6E	89.0	188.3	2.181	-33.25	57.0	S0315	.01650	8.2367	0.8	V
9014	8065.71	37 34N	129 7E	77.7	188.2	2.738	6.30	58.2	S0315	.02200	9.3343	0.8	A
9015	8094.31	35 13N	128 35E	77.4	188.0	2.881	6.30	60.0	S0315	.02200	9.4003	0.8	F
9016	8101.71	34 57N	128 5E	76.0	187.9	2.738	-9.10	59.9	S0315	.02200	9.6809	0.8	V
9017	8107.51	34 47N	127 46E	79.4	187.9	2.738	-18.55	59.9	S0315	.02200	9.1775	1.0	A
6 5001	13350.91	41 3N	107 51E	77.8	188.6	2.530	8.75	55.6	S0315	.02210	9.4590	0.4	V
5002	13359.31	40 21N	106 60E	78.9	188.6	2.530	-14.00	55.9	S0315	.02210	9.1949	0.4	F
5003	13379.51	39 5N	107 18E	76.8	188.4	2.738	7.35	57.1	S0315	.02210	9.5828	0.8	V
5004	13388.11	38 35N	106 23E	78.9	188.3	2.530	-19.25	57.2	S0315	.02210	9.3104	0.6	V
5005	13391.91	38 7N	106 23E	78.4	188.3	2.530	-16.10	57.6	S0315	.02210	9.2527	0.4	F
5006	13395.51	38 4N	106 19E	78.0	188.3	2.530	-17.50	57.6	S0315	.02210	9.4177	0.4	V
5007	13401.31	37 54N	106 3E	82.3	188.2	2.530	-24.50	57.6	S0315	.01660	8.8565	0.6	A
5008	13408.71	37 21N	106 16E	77.0	188.2	2.738	-13.30	58.2	S0315	.02210	9.4755	0.6	A
5009	13433.71	35 32N	106 44E	81.1	188.0	2.530	18.55	59.9	S0315	.01660	8.9638	0.6	A
5010	13472.71	32 31N	105 36E	76.0	187.7	2.881	1.75	61.8	S0315	.01660	9.5746	0.6	F
5011	13475.31	32 31N	105 36E	75.2	187.7	2.881	2.10	61.8	S0315	.01660	9.7809	0.6	V
5012	13526.71	28 54N	105 30E	86.3	187.5	2.530	26.95	64.5	S0315	.02210	8.5346	0.6	V
5013	13529.91	28 54N	105 31E	88.0	187.4	2.530	27.65	64.5	S0315	.02210	8.2457	0.6	A
5014	13600.51	23 45N	103 16E	78.2	187.1	2.881	-18.55	66.4	S0315	.02210	9.2692	0.6	F
5015	13604.51	23 40N	103 16E	77.7	187.1	3.092	-17.85	66.4	S0315	.02210	9.4673	0.4	V
5016	13608.31	23 36N	103 17E	77.5	187.1	3.092	-16.45	66.5	S0315	.02210	9.4095	0.4	A
5017	13611.71	23 22N	103 13E	76.9	187.1	3.092	-17.15	66.6	S0315	.02210	9.4838	0.4	A
5018	13637.31	21 23N	103 .0E	75.7	187.0	3.092	-10.85	67.5	S0315	.02210	9.7149	0.4	V
5019	13640.11	21 23N	102 60E	76.6	187.0	3.092	-10.50	67.5	S0315	.02210	9.5085	0.4	A
5020	13677.71	18 24N	102 26E	77.2	186.9	3.232	-11.90	68.3	S0315	.02210	9.4012	0.6	F
5021	13730.31	14 56N	102 5E	76.5	186.7	3.232	1.05	69.2	S0130	.02210	9.6241	0.6	V
5022	13733.11	14 56N	102 5E	77.5	186.7	3.232	1.40	69.2	S0130	.02210	9.3682	0.6	A
5023	13839.11	7 14N	100 36E	79.2	186.6	3.439	-4.20	68.3	S0130	.02210	9.1701	0.4	F
5024	13841.91	7 14N	100 36E	78.5	186.6	3.232	-3.50	68.3	S0130	.02210	9.3517	0.6	V
9001	13271.31	46 36N	108 20E	83.1	189.5	2.037	-23.10	50.7	S0315	.02200	8.8309	0.6	V
9002	13274.51	46 36N	108 20E	83.8	189.4	2.037	-22.75	50.7	S0315	.02200	8.6823	0.6	A
9003	13280.31	46 9N	108 38E	79.8	189.4	2.181	-10.85	51.3	S0315	.02200	9.1032	0.8	A
9004	13298.11	44 56N	108 16E	78.9	189.2	2.390	-11.20	52.3	S0315	.02200	9.2188	0.4	A
9005	13449.71	33 59N	106 40E	87.1	187.9	2.738	26.60	61.2	S0315	.02200	8.3770	0.6	F
9006	13452.71	33 59N	106 40E	86.5	187.9	2.530	27.30	61.2	S0315	.02200	8.5173	0.6	V
9007	13458.11	33 51N	106 28E	84.5	187.8	2.530	22.75	61.2	S0315	.02200	8.5750	1.0	A
9008	13484.91	31 56N	104 44E	80.8	187.7	2.530	-24.50	61.8	S0315	.01650	9.0867	1.0	V
9009	13682.71	18 2N	102 35E	76.5	186.9	3.232	-2.45	68.6	S0315	.02200	9.5076	1.4	F
9010	13688.71	17 60N	102 35E	76.6	186.8	3.232	-1.05	68.6	S0315	.02200	9.4664	1.4	A
9011	13729.31	14 59N	102 6E	76.4	186.7	3.232	1.05	69.2	S0315	.02200	9.6232	1.4	V
7 5001	18467.71	56 9N	90 35E	82.2	191.7	1.826	5.25	42.8	S0130	.01660	8.9143	0.6	V
5002	18470.71	56 9N	90 35E	83.2	191.7	1.826	5.60	42.8	S0130	.01660	8.7244	0.6	A
5003	18639.71	44 20N	85 47E	79.8	189.1	2.181	-14.00	52.7	S0130	.02210	9.0711	0.6	F
5004	18644.71	44 10N	85 48E	78.2	189.1	2.390	-12.25	52.9	S0130	.02210	9.3930	0.6	V
9001	18617.11	46 15N	86 24E	79.7	189.4	2.181	-11.55	51.2	S0315	.02200	9.1197	0.4	A
9002	18650.51	44 1N	85 20E	83.6	189.0	2.181	-24.15	52.9	S0315	.01650	8.7153	0.6	A
9003	19081.11	13 46N	80 15E	87.8	186.7	2.881	24.85	69.8	S0315	.02200	8.3192	0.4	F
9004	19084.11	13 47N	80 15E	87.2	186.7	2.881	25.20	69.8	S0315	.02200	8.4347	1.8	V
9005	19088.51	13 42N	80 14E	88.9	186.7	2.881	25.90	69.8	S0315	.01650	8.1211	0.6	A
9006	19092.91	13 11N	80 6E	86.4	186.7	2.881	24.15	69.8	S0315	.02200	8.5008	1.0	V
9007	19096.11	13 11N	80 6E	87.9	186.7	2.881	24.50	69.8	S0315	.01650	8.2202	1.0	A
8 9001	23614.91	68 55N	75 50E	88.5	198.3	0.995	-6.30	30.9	S0315	.02200	8.2449	0.6	V

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
8	9002	23618.11	68 56N	75 51E	89.4	198.1	0.995	-5.95	30.9	SO315	.02200	8.0799	0.6	A
	9003	23665.71	65 21N	73 5E	87.3	195.8	1.338	-3.15	34.3	SO315	.01650	8.2614	0.6	F
	9004	23779.51	58 13N	68 17E	86.1	192.3	1.484	-15.75	40.8	SO315	.03070	8.4182	0.8	A
	9005	23869.91	51 40N	65 54E	81.9	190.6	1.826	-11.55	46.6	SO315	.03070	8.8309	0.6	F
	9006	23872.71	51 40N	65 54E	80.8	190.5	1.826	-11.20	46.6	SO315	.03070	9.0785	0.6	V
	9007	23876.51	51 13N	65 46E	81.6	190.4	2.037	-11.20	47.0	SO315	.03070	8.8721	1.6	F
	9008	23880.31	51 9N	65 44E	80.5	190.4	2.037	-11.20	47.1	SO315	.03070	9.1032	2.0	V
	9009	23884.71	51 3N	65 42E	81.3	190.3	2.037	-10.85	47.1	SO315	.03070	8.9299	0.6	A
	9010	23949.71	46 15N	63 54E	82.6	189.4	2.037	-19.25	51.1	SO315	.02200	8.7566	0.4	F
	9011	23952.51	46 15N	63 54E	81.6	189.4	2.037	-19.25	51.1	SO315	.02200	8.9959	0.4	V
	9012	23956.71	45 59N	63 40E	83.5	189.4	2.037	-23.10	51.3	SO315	.02200	8.7814	0.8	V
	9013	23959.71	45 59N	63 40E	84.2	189.3	2.037	-22.75	51.3	SO315	.02200	8.6328	0.8	A
	9014	23961.71	45 51N	63 38E	84.2	189.3	2.037	-22.75	51.4	SO315	.02200	8.6411	0.4	A
	9015	24050.91	39 6N	63 36E	91.6	188.4	2.530	29.75	57.5	SO315	.01650	7.9726	0.4	F
	9016	24057.51	39 6N	63 37E	92.6	188.4	2.181	31.15	57.5	SO315	.01650	7.8240	0.6	A
	9017	24075.71	37 36N	61 49E	78.6	188.2	2.530	-15.05	58.0	SO315	.01650	9.2188	0.6	F
	9018	24078.51	37 36N	61 48E	77.6	188.2	2.530	-14.70	58.0	SO315	.02200	9.4664	0.6	V
	9019	24081.71	37 34N	61 48E	78.3	188.2	2.738	-14.35	58.0	SO315	.02200	9.2931	0.4	A
	9020	24101.71	36 5N	62 42E	88.7	188.0	2.390	28.00	59.7	SO315	.01650	8.1459	0.6	A
	9021	24113.11	35 18N	62 21E	84.6	188.0	2.530	23.10	60.7	SO315	.01650	8.5668	0.8	A
	9022	24123.31	34 23N	62 15E	86.1	187.9	2.530	26.60	60.9	SO315	.01650	8.5503	0.6	V
	9023	24126.31	34 23N	62 16E	87.7	187.9	2.530	27.30	60.9	SO315	.01650	8.2614	0.6	A
	9024	24194.71	29 30N	60 52E	80.1	187.5	2.738	17.50	64.0	SO315	.01650	9.1775	0.4	V
	9025	24197.71	29 30N	60 52E	81.3	187.5	2.738	17.85	64.0	SO315	.01650	8.9052	0.4	A
	9026	24278.71	23 37N	58 36E	81.9	187.1	2.881	-24.50	66.3	SO315	.02200	8.8309	0.4	F
	9027	24281.51	23 38N	58 36E	80.8	187.1	2.881	-24.15	66.3	SO315	.02200	9.0867	0.4	V
9	9001	28959.71	68 8N	53 49E	89.6	197.9	1.135	6.65	31.7	SO315	.02200	8.0466	0.8	F
	9002	28962.91	68 8N	53 50E	88.5	197.7	1.135	7.00	31.7	SO315	.02200	8.2532	0.8	V
	9003	28967.11	67 41N	53 10E	88.8	197.5	1.135	3.50	32.1	SO315	.02200	8.1211	1.4	F
	9004	28971.11	67 38N	53 2E	87.5	197.3	1.135	2.45	32.2	SO315	.02200	8.3522	0.6	V
	9005	28974.31	67 38N	53 3E	88.4	197.1	1.135	2.80	32.2	SO315	.02200	8.1706	0.6	A
	9006	29142.91	56 9N	46 6E	82.1	191.7	1.826	5.25	42.8	SO315	.03070	8.9217	0.4	V
	9007	29145.91	56 9N	46 6E	83.1	191.7	1.826	5.60	42.8	SO315	.03070	8.7236	0.4	A
	9008	29155.91	55 15N	45 58E	83.3	191.5	1.826	11.20	43.7	SO315	.03070	8.7979	0.4	V
	9009	29158.91	55 15N	45 59E	84.4	191.4	1.826	11.55	43.6	SO315	.03070	8.5915	0.6	A
	9010	29168.91	54 13N	45 11E	81.9	191.2	2.037	2.45	44.5	SO315	.03070	8.8391	0.8	F
	9011	29171.91	54 12N	45 10E	80.9	191.2	1.826	2.45	44.5	SO315	.03070	9.0702	0.8	V
	9012	29176.71	54 6N	44 58E	81.6	191.1	1.826	-1.05	44.6	SO315	.03070	8.8969	1.2	A
	9013	29190.71	53 13N	44 3E	83.3	190.8	1.826	-15.05	45.2	SO315	.01650	8.7071	0.6	A
	9014	29201.11	52 18N	43 46E	81.9	190.7	1.826	-14.35	46.0	SO315	.03070	8.9464	0.6	V
	9015	29204.11	52 18N	43 45E	82.8	190.6	1.826	-14.35	46.0	SO315	.03070	8.7649	0.6	A
	9016	29209.51	51 33N	43 12E	85.9	190.5	1.690	-21.70	46.6	SO315	.02200	8.4100	0.6	F
	9017	29212.71	51 32N	43 12E	84.6	190.5	1.690	-21.35	46.6	SO315	.02200	8.6658	0.4	V
	9018	29344.31	42 12N	41 41E	82.0	188.8	2.530	15.75	54.8	SO315	.02200	8.8804	0.8	F
	9019	29380.31	39 55N	41 19E	84.5	188.5	2.390	23.45	56.7	SO315	.02200	8.6988	0.6	V
	9020	29383.51	39 54N	41 18E	85.8	188.5	2.390	23.80	56.8	SO315	.02200	8.4430	0.6	A
	9021	29443.71	35 22N	40 8E	84.6	188.0	2.738	22.40	60.2	SO315	.02200	8.6163	0.6	F
	9022	29446.71	35 21N	40 8E	84.0	188.0	2.530	23.10	60.2	SO315	.02200	8.7731	0.6	V
	9023	29460.51	34 35N	38 20E	86.9	187.9	2.390	-32.20	59.9	SO315	.01220	8.4430	1.0	V
	9024	29463.71	34 35N	38 20E	87.7	187.9	2.390	-31.85	59.9	SO315	.01220	8.3109	1.0	A
	9025	29481.31	32 58N	39 44E	87.7	187.8	2.530	26.00	62.0	SO315	.01220	8.3935	0.8	V
	9026	29485.71	32 53N	39 46E	90.1	187.8	2.530	29.40	62.0	SO315	.01220	8.0386	0.6	A
	9027	29753.51	14 3N	35 24E	79.1	186.7	3.232	9.10	69.4	SO315	.02200	9.2105	0.6	F
	9028	29756.31	14 3N	35 24E	78.4	186.7	3.232	9.45	69.4	SO315	.02200	9.3756	0.6	V
	9029	30238.11	19 24S	29 52E	103.0	186.9	2.738	19.95	52.2	SO315	.01650	7.0152	1.0	F
	9030	30241.71	19 24S	29 52E	102.5	186.9	2.530	20.65	52.2	SO315	.01650	7.0978	1.0	V
	9031	30257.91	20 26S	29 2E	95.2	187.0	3.092	-0.35	51.0	SO315	.02200	7.6342	0.6	V
	9032	30261.51	20 26S	29 2E	96.6	187.0	3.092	0.00	51.0	SO315	.02200	7.4031	0.6	A
	9033	30305.91	23 50S	29 28E	116.9	187.1	2.037	30.80	48.7	SO315	.01650	6.1982	0.8	V
	9034	30310.31	23 50S	29 28E	119.0	187.1	1.826	31.15	48.7	SO315	.01220	5.9836	0.8	A
	9035	30326.91	25 26S	28 25E	102.6	187.2	2.881	9.80	46.9	SO315	.02200	7.0152	0.8	F
	9036	30330.71	25 26S	28 25E	102.0	187.2	2.881	10.50	46.9	SO315	.02200	7.1060	0.6	V
	9037	30335.71	25 44S	28 1E	99.4	187.2	2.881	0.35	46.5	SO315	.02200	7.2958	0.6	V
	9038	30339.31	25 44S	28 2E	101.0	187.3	3.092	0.70	46.5	SO315	.02200	7.0647	0.8	A
	9039	30344.11	26 18S	27 45E	99.7	187.3	3.092	-4.55	45.9	SO315	.02200	7.2711	0.6	V
	9040	30347.91	26 18S	27 45E	101.2	187.3	3.092	-4.20	45.9	SO315	.02200	7.0565	0.6	A
	9041	30370.71	28 12S	28 19E	112.1	187.4	2.181	22.75	44.7	SO315	.02200	6.4540	1.0	V
	9042	30374.91	28 12S	28 19E	114.2	187.4	2.181	23.10	44.7	SO315	.02200	6.2229	1.0	A
10	9001	34280.71	69 3N	33 29E	95.1	198.8	1.338	18.55	30.9	SO315	.01650	7.6012	0.8	F
	9002	34283.91	69 4N	33 28E	93.7	198.6	1.135	18.55	30.9	SO315	.01650	7.7910	1.0	V
	9003	34287.51	69 3N	33 28E	94.9	198.4	1.135	18.90	30.9	SO315	.01650	7.6259	0.8	A
	9004	34431.31	59 21N	24 13E	87.7	192.9	1.338	-18.20	39.8	SO315	.03070	8.2284	0.6	F
	9005	34434.51	59 20N	24 14E	86.5	192.8	1.338	-17.85	39.8	SO315	.03070	8.4678	1.6	V
	9006	34438.31	59 18N	24 13E	87.2	192.7	1.338	-17.50	39.8	SO315	.03070	8.3192	1.0	A
	9007	34446.51	58 27N	24 30E	82.6	192.5	1.690	-4.20	40.7	SO315	.03070	8.8804	0.8	V
	9008	34449.71	58 27N	24 29E	83.4	192.4	1.690	-4.20	40.7	SO315	.03070	8.6906	0.8	A
	9009	34466.31	56 59N	23 15E	85.8	192.0	1.484	-16.45	41.9	SO315	.03070	8.4182	0.8	F
	9010	34469.31	56 59N	23 14E	84.7	192.0	1.484	-16.45	41.9	SO315	.03070	8.6493	0.8	V
	9011	34473.71	56 40N	23 18E	83.2	191.9	1.690	-12.60	42.2	SO315	.03070	8.8144	0.6	V
	9012	34476.91	56 39N	23 18E	83.9	191.8	1.690	-12.25	42.2	SO315	.03070	8.6493	0.4	A
	9013	34484.11	55 55N	23 25E	81.3	191.7	1.826	-2.80	43.0	SO315	.03070	9.0207	0.4	V
	9014	34487.11	55 55N	23 25E	82.2	191.6	1.826	-2.45	43.0	SO315	.03070	8.8309	0.4	A
	9015	34494.11	55 6N	22 20E	86.4	191.4	1.484	-19.60	43.6	SO315	.03070	8.3605	0.6	F
	9016	34497.11	55 7N	22 20E	85.2	191.4	1.690	-19.60	43.6	SO315	.03070	8.6081	0.6	V

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME STARE LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
10 9017	34501.11	54 38N	22 12E	85.7	191.3	1.690	-10.90	44.0	SO315	.03070	8.4347	0.8	F
9018	34506.71	54 25N	22 27E	81.7	191.2	1.826	-11.20	44.2	SO315	.03070	8.9712	0.6	V
9019	34509.71	54 25N	22 27E	82.5	191.2	1.826	-10.85	44.2	SO315	.03070	8.7896	0.6	A
9020	34515.11	53 50N	22 24E	80.7	191.1	1.826	-6.65	44.8	SO315	.03070	9.0857	0.8	V
9021	34518.11	53 50N	22 23E	81.6	191.0	1.826	-6.65	44.8	SO315	.03070	8.8969	0.6	A
9022	34526.91	52 51N	21 52E	82.2	190.8	1.826	-11.20	45.6	SO315	.03070	8.8061	0.6	F
9023	34529.91	52 51N	21 51E	81.1	190.8	1.826	-11.20	45.6	SO315	.03070	9.0372	0.6	V
9024	34535.11	52 17N	21 47E	81.4	190.7	2.037	-8.40	46.1	SO315	.03070	8.8969	0.6	F
9025	34538.91	52 14N	21 46E	80.7	190.6	2.037	-10.50	46.2	SO315	.03070	9.0950	0.8	V
9026	34541.91	52 14N	21 40E	81.5	190.6	2.037	-10.15	46.2	SO315	.03070	8.9134	0.8	A
9027	34547.71	51 35N	21 51E	79.6	190.5	2.037	0.35	46.8	SO315	.03070	9.2188	0.6	V
9028	34550.71	51 35N	21 51E	80.5	190.5	2.037	0.70	46.8	SO315	.03070	9.0124	0.6	A
9029	34557.31	50 43N	21 45E	81.0	190.4	2.181	5.60	47.6	SO315	.03070	8.9629	0.4	F
9030	34560.31	50 42N	21 45E	80.1	190.3	2.181	5.95	47.6	SO315	.03070	9.1693	0.4	V
9031	34565.91	50 4N	22 0E	85.3	190.2	2.181	17.85	48.3	SO315	.02760	8.5255	0.6	F
9032	34568.91	50 4N	22 0E	84.4	190.2	2.181	18.20	48.3	SO315	.02200	8.7071	1.0	V
9033	34572.31	50 3N	21 59E	85.5	190.1	2.181	18.55	48.3	SO315	.02200	8.4760	0.6	A
9034	34598.91	47 56N	20 22E	79.5	189.8	2.181	-7.00	49.9	SO315	.02200	9.1115	0.6	F
9035	34601.71	47 55N	20 22E	78.5	189.7	2.181	-6.65	49.9	SO315	.03070	9.3506	0.6	V
9036	34608.31	47 25N	20 46E	79.8	189.6	2.390	9.10	50.5	SO315	.02200	9.2023	0.4	V
9037	34611.11	47 26N	20 46E	80.8	189.6	2.390	9.45	50.5	SO315	.02200	8.9794	0.6	A
9038	34618.31	46 41N	21 4E	86.7	189.5	2.181	23.45	51.2	SO315	.02200	8.4843	0.4	V
9039	34621.51	46 41N	21 4E	87.9	189.5	2.181	23.80	51.2	SO315	.02200	8.2449	0.4	A
9040	34673.91	42 48N	18 56E	77.6	188.9	2.530	-5.60	54.1	SO315	.02200	9.3426	0.4	F
9041	34676.71	42 48N	18 56E	76.7	188.9	2.530	-5.25	54.1	SO315	.02200	9.5819	0.4	V
9042	34681.91	42 27N	18 42E	77.5	188.8	2.390	-9.80	54.4	SO315	.03070	9.4829	0.6	V
9043	34684.71	42 28N	18 42E	78.3	188.8	2.390	-9.45	54.4	SO315	.03070	9.2848	0.6	A
9044	34695.11	41 27N	19 24E	83.7	188.7	2.390	21.00	55.5	SO315	.03070	8.7896	0.6	V
9045	34698.31	41 26N	19 24E	84.8	188.7	2.390	21.35	55.5	SO315	.03070	8.5420	0.6	A
9046	34841.91	31 13N	16 34E	77.9	187.6	2.881	9.80	62.8	SO315	.02200	9.3508	0.6	F
9047	34844.71	31 12N	16 34E	77.2	187.6	2.881	10.15	62.9	SO315	.02200	9.5324	2.0	V
9048	34848.91	31 7N	16 33E	78.2	187.6	2.881	10.50	62.9	SO315	.02200	9.2765	0.6	A
11 9001	39913.11	49 43N	1 52W	83.9	190.1	1.826	-21.70	48.2	SO315	.02200	8.7314	0.6	V
9002	39916.31	49 43N	1 53W	84.7	190.0	2.037	-21.70	48.3	SO315	.02200	8.5833	0.6	A
9003	40234.91	27 38N	7 29W	84.0	187.4	2.530	-29.40	64.3	SO315	.01220	8.7318	1.0	V
12 9001	46051.32	5 47S	35 13W	86.5	186.6	3.439	-9.10	61.9	SO315	.02200	8.3605	0.4	F
9002	46052.92	5 53S	35 14W	86.5	186.6	3.439	-9.10	61.8	SO315	.02200	8.3605	0.6	F
9003	46055.92	5 53S	35 15W	85.7	186.6	3.439	-8.75	61.8	SO315	.02200	8.5338	0.6	V
9004	46059.32	5 54S	35 15W	86.8	186.6	3.439	-8.40	61.8	SO315	.02200	8.3109	0.4	A
9005	46134.92	10 56S	37 3W	108.9	186.7	3.232	-37.10	57.6	SO315	.01650	6.6273	1.4	A
13 9001	51623.72	22 0S	60 36W	99.6	187.0	3.232	-14.00	49.3	SO315	.02200	7.2133	0.4	F
9002	51630.52	22 18S	60 1W	98.8	187.0	2.881	7.35	49.5	SO315	.02200	7.3536	1.6	V
9003	51639.12	22 57S	59 31W	111.1	187.1	2.181	25.90	49.3	SO315	.01650	6.5305	1.0	V
9004	51781.52	32 26S	63 11W	112.9	187.7	2.881	-22.40	40.1	SO315	.02200	6.3962	0.6	V
9005	51785.72	32 26S	63 11W	114.3	187.8	3.092	-22.05	40.1	SO315	.02200	6.2477	0.6	A
9006	51873.72	39 1S	63 59W	113.5	188.4	2.530	-2.80	34.5	SO315	.02200	6.2890	0.6	F
9007	51881.32	38 57S	64 8W	114.5	188.4	2.738	-6.30	34.5	SO315	.02200	6.1982	1.0	A
9008	51928.92	42 43S	65 5W	117.4	188.8	2.530	-5.60	31.1	SO315	.02200	6.0661	1.4	F
9009	51933.52	42 45S	65 8W	116.3	188.9	2.530	-3.50	31.1	SO315	.02200	6.1734	1.4	V
9010	51939.92	43 10S	65 14W	116.9	188.9	2.530	-5.95	30.7	SO315	.01650	6.1404	1.4	V
9011	51944.32	43 10S	65 14W	118.7	189.0	2.530	-5.60	30.7	SO315	.01650	5.9588	1.4	A
14 9001	56739.72	6 45S	79 49W	86.2	186.6	3.232	-7.00	61.3	SO315	.01650	8.4843	0.8	V
9002	56742.92	6 45S	79 49W	87.3	186.6	3.439	-6.65	61.3	SO315	.01650	8.2614	0.8	A
9003	56761.12	8 5S	79 1W	105.0	186.6	2.181	30.45	61.2	SO315	.01650	6.8337	0.6	A
15 9001	61539.52	29 60N	95 21W	76.4	187.5	2.881	-9.45	63.4	SO315	.01650	9.5159	3.8	F
9002	61547.12	29 51N	95 23W	76.2	187.5	2.881	-8.40	63.5	SO315	.01650	9.5406	3.6	A
20 5001	1406.72	57 24N	161 45E	81.6	192.2	1.690	-4.20	41.9	SO130	.02210	8.8647	1.0	F
5002	1412.32	57 25N	161 42E	81.6	192.1	1.690	-4.90	41.8	SO130	.02210	8.8977	1.0	A
9001	1227.32	69 41N	170 31E	87.5	198.8	0.995	2.45	30.5	SO315	.02200	8.2614	0.4	A
9002	1406.52	57 24N	161 45E	81.6	192.2	1.690	-4.20	41.9	SO315	.03070	8.8639	1.0	F
9003	1412.32	57 25N	161 42E	81.5	192.1	1.690	-4.90	41.8	SO315	.03070	8.8969	1.0	A
21 9001	6779.72	55 6N	137 59E	83.3	191.3	1.690	-16.45	43.8	SO315	.01650	8.7153	0.4	A
9002	6869.72	48 46N	135 47E	80.2	189.9	2.037	-16.80	49.3	SO315	.02200	9.1527	0.6	V
9003	6872.72	48 46N	135 47E	80.9	189.8	2.037	-16.45	49.3	SO315	.02200	8.9794	0.6	A
9004	6938.72	43 45N	135 17E	79.9	189.1	2.530	12.25	53.8	SO315	.03070	9.1032	0.4	F
9005	6941.52	43 45N	135 17E	79.1	189.0	2.530	12.60	53.8	SO315	.03070	9.2931	0.4	V
22 9001	11856.52	71 43N	128 44E	87.8	201.2	0.995	4.90	28.5	SO315	.03070	8.3192	0.8	V
9002	11859.72	71 44N	128 43E	88.8	201.0	0.995	4.90	28.5	SO315	.03070	8.1376	0.8	A
9003	12156.92	51 49N	114 44E	79.3	190.5	1.826	-12.25	46.8	SO315	.02200	9.2435	0.4	V
9004	12163.52	51 5N	115 11E	79.7	190.4	2.037	5.95	47.6	SO315	.03070	9.1032	0.4	F
9005	12166.32	51 5N	115 11E	78.8	190.4	2.037	6.30	47.6	SO315	.03070	9.3178	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUB ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
22 9006	12172.32	50 49N	115 46E	87.5	190.3	2.037	23.45	47.9	S0315	.02200	8.2779	0.4	A
9007	12174.72	50 40N	115 42E	87.1	190.3	2.037	23.10	48.1	S0315	.02200	8.3109	0.4	A
9008	12268.32	44 24N	112 26E	77.8	189.1	2.390	-12.25	53.0	S0315	.02200	9.3508	0.4	A
9009	12277.52	43 18N	112 48E	78.0	189.0	2.530	8.40	54.1	S0315	.02200	9.3178	0.4	F
9010	12284.52	43 18N	112 4E	78.2	188.9	2.390	-14.35	53.9	S0315	.02200	9.2931	0.4	A
9011	12317.52	40 46N	112 1E	75.9	188.6	2.530	5.60	56.1	S0315	.02200	9.6892	0.6	V
9012	12320.32	40 40N	112 1E	76.8	188.6	2.530	5.95	56.1	S0315	.02200	9.4561	0.6	A
9013	12328.72	39 51N	111 30E	75.7	188.5	2.738	-4.20	56.7	S0315	.02200	9.5902	0.4	F
9014	12335.52	39 24N	111 11E	76.9	188.5	2.530	-11.55	57.0	S0315	.02200	9.4334	0.4	F
9015	12338.32	39 24N	111 10E	75.9	188.4	2.530	-11.20	57.0	S0315	.02200	9.6809	0.4	V
9016	12345.32	38 51N	111 36E	76.2	188.4	2.738	8.40	57.7	S0315	.02200	9.6562	0.6	V
9017	12348.12	38 51N	111 36E	77.1	188.3	2.738	8.75	57.7	S0315	.02200	9.4086	0.6	A
9018	12349.92	38 44N	111 34E	77.1	188.3	2.738	8.75	57.8	S0315	.02200	9.4086	0.4	A
9019	12399.52	35 13N	109 58E	77.8	188.0	2.530	-18.90	60.0	S0315	.01650	9.4334	0.4	V
9020	12404.92	35 2N	109 58E	78.1	187.9	2.738	-17.15	60.1	S0315	.02200	9.3261	0.4	A
9021	12409.32	34 21N	109 36E	81.7	187.9	2.530	-24.85	60.5	S0315	.02200	8.8556	0.4	F
9022	12412.12	34 22N	109 36E	80.5	187.9	2.530	-24.50	60.5	S0315	.02200	9.1197	0.6	V
9023	12416.52	34 4N	109 24E	83.3	187.9	2.530	-28.70	60.6	S0315	.02200	8.8144	0.4	V
9024	12419.52	34 5N	109 24E	84.0	187.8	2.530	-28.35	60.6	S0315	.02200	8.6658	0.6	A
9025	12678.52	15 44N	106 25E	77.4	186.8	3.232	-5.95	69.1	S0315	.02200	9.3838	0.6	F
9026	12681.32	15 44N	106 25E	76.5	186.8	3.232	-5.60	69.1	S0315	.02200	9.5984	0.6	V
9027	12759.32	10 7N	105 43E	80.4	186.6	3.232	7.35	69.3	S0315	.01650	9.0455	0.8	F
9028	12763.32	10 2N	105 46E	80.5	186.6	3.232	10.15	69.3	S0315	.02200	9.1280	0.4	V
9029	12766.32	10 2N	105 46E	81.6	186.6	3.232	10.50	69.3	S0315	.02200	8.8556	0.4	A
9030	12887.12	1 20N	103 50E	82.9	186.5	3.439	-7.70	66.0	S0315	.02200	8.7401	0.6	F
9031	12890.12	1 20N	103 50E	82.0	186.5	3.439	-7.00	66.0	S0315	.02200	8.9249	0.6	V
23 9001	17303.92	64 8S	99 34E	84.6	195.1	1.338	9.45	35.8	S0315	.02200	8.6576	0.8	V
9002	17307.12	64 8N	99 34E	85.6	194.9	1.338	9.80	35.8	S0315	.01650	8.4595	0.8	A
9003	17416.12	56 24N	95 28E	84.4	191.9	1.826	14.35	43.0	S0315	.02200	8.5998	0.4	F
9004	17417.92	56 16N	95 25E	84.3	191.8	1.826	14.35	43.1	S0315	.02200	8.6081	0.4	F
9005	17424.72	56 4N	94 50E	80.2	191.7	1.826	3.85	43.2	S0315	.02200	9.1527	0.6	V
9006	17427.72	56 4N	94 50E	81.1	191.6	1.826	3.85	43.2	S0315	.02200	8.9464	0.6	A
9007	17621.12	42 54N	90 15E	77.0	188.9	2.530	1.75	54.4	S0315	.02200	9.4334	0.4	A
9008	17651.32	40 42N	89 3E	78.5	188.6	2.390	-18.55	55.9	S0315	.02200	9.3673	0.6	V
9009	17654.12	40 42N	89 3E	79.2	188.6	2.390	-18.20	55.9	S0315	.02200	9.1858	0.6	A
24 9001	22890.12	47 10N	69 10E	77.7	189.5	2.530	-1.75	50.9	S0315	.02200	9.3426	0.6	A
9002	22943.52	43 18N	68 12E	76.4	189.0	2.530	3.15	54.1	S0315	.02200	9.6149	0.4	V
9003	22946.32	43 18N	68 12E	77.4	188.9	2.530	3.50	54.1	S0315	.02200	9.3838	0.4	A
9004	22953.92	42 29N	68 50E	88.6	188.9	2.181	28.35	55.1	S0315	.01650	8.3109	0.6	V
9005	22957.12	42 29N	68 50E	89.9	188.8	2.181	28.70	55.1	S0315	.01650	8.0634	0.6	A
9006	23112.72	31 38N	65 41E	78.7	187.7	2.738	16.10	63.0	S0315	.01650	9.3426	0.6	V
9007	23115.52	31 39N	65 41E	79.8	187.6	2.738	16.45	63.0	S0315	.01650	9.0785	0.6	A
9008	23151.32	28 49N	64 56E	77.3	187.5	2.881	10.50	64.6	S0315	.01650	9.4334	0.6	F
9009	23154.12	28 48N	64 55E	76.3	187.4	2.881	10.50	64.6	S0315	.01650	9.6397	0.6	V
9010	23157.12	28 48N	64 55E	77.3	187.4	2.881	10.50	64.6	S0315	.01650	9.3921	0.6	A
25 5001	28088.32	55 53N	49 8E	87.0	191.7	1.484	-23.45	43.2	S0130	.01250	8.2869	0.6	F
5002	28091.52	55 52N	49 8E	85.8	191.6	1.484	-23.10	43.2	S0130	.01660	8.5346	0.6	V
9001	27899.52	68 49N	57 59E	86.4	198.0	0.995	-5.25	31.4	S0315	.02200	8.4687	0.4	A
9002	28088.32	55 53N	49 8E	87.1	191.7	1.484	-23.45	43.2	S0315	.01650	8.2862	0.6	F
9003	28091.52	55 52N	49 8E	85.8	191.6	1.484	-23.10	43.2	S0315	.01650	8.5338	0.4	V
9004	28095.52	55 48N	49 8E	86.2	191.5	1.690	-22.75	43.3	S0315	.03070	8.4265	0.4	A
9005	28130.72	53 1N	49 48E	84.4	190.9	2.037	18.90	46.1	S0315	.03070	8.6988	0.6	V
9006	28133.92	53 0N	49 47E	85.3	190.8	2.037	18.90	46.1	S0315	.02200	8.4925	0.6	A
9007	28152.52	51 49N	48 33E	79.2	190.5	2.181	-0.35	46.9	S0315	.03070	9.1610	0.6	A
9008	28204.92	47 57N	48 8E	85.9	189.8	2.181	23.45	50.5	S0315	.02200	8.5585	1.0	V
9009	28208.12	47 57N	48 8E	87.2	189.7	2.181	23.80	50.5	S0315	.02200	8.3192	0.8	A
9010	28389.72	35 10N	44 9E	78.0	188.0	2.738	10.50	60.5	S0315	.01650	8.3343	0.8	F
9011	28397.92	34 57N	44 30E	85.7	187.9	2.390	24.85	60.8	S0315	.01220	8.4512	0.8	A
9012	28403.12	34 11N	44 17E	84.0	187.9	2.738	22.40	61.4	S0315	.01220	8.6741	1.0	F
9013	28409.32	33 57N	44 22E	86.8	187.9	2.530	27.30	61.6	S0315	.01220	8.4443	0.4	V
9014	28416.12	34 22N	43 36E	76.7	187.8	2.738	5.95	61.7	S0315	.01650	9.4829	0.8	F
9015	28421.12	33 24N	43 34E	76.6	187.8	2.738	5.25	61.6	S0315	.01650	9.4604	0.6	A
9016	28446.72	31 26N	43 12E	76.0	187.6	2.881	7.00	63.0	S0315	.01650	9.6809	0.8	V
9018	28588.32	20 50N	40 31E	88.7	187.6	3.092	-28.90	63.6	S0315	.01220	9.2109	0.6	A
9019	28595.12	21 17N	40 24E	79.3	187.0	2.881	-22.05	67.6	S0315	.02200	9.2600	0.8	V
9020	28680.52	15 25N	39 5E	86.2	186.8	2.881	-30.45	68.6	S0315	.02200	8.5008	0.6	V
9021	28683.72	15 25N	39 4E	87.2	186.8	3.092	-30.45	68.6	S0315	.02200	8.3440	0.6	A
9022	28709.52	13 32N	39 28E	77.2	186.7	3.232	-1.40	69.4	S0315	.02200	9.3838	0.6	A
9023	28768.72	9 3N	38 47E	78.9	186.6	3.232	2.80	69.0	S0315	.02200	9.2188	0.6	F
9024	28771.52	9 3N	38 47E	78.1	186.6	3.232	3.15	69.0	S0315	.02200	9.3921	1.2	V
9025	28775.12	8 60N	38 46E	79.2	186.6	3.232	3.15	69.0	S0315	.02200	9.1280	0.6	A
9026	29134.92	16 6S	33 39E	99.6	186.8	3.232	-22.05	53.9	S0315	.02200	7.2050	0.6	F
9027	29139.12	16 9S	33 36E	98.9	186.8	3.232	-22.75	53.8	S0315	.02200	7.3453	0.6	V
9028	29142.72	16 8S	33 36E	100.2	186.8	3.439	-22.75	53.8	S0315	.02200	7.1720	0.6	A
9029	29180.92	18 57S	32 40E	110.4	186.9	3.092	-33.25	51.3	S0315	.01650	6.5778	0.6	V
9030	29185.12	18 58S	32 40E	111.7	186.9	3.092	-32.90	51.3	S0315	.01650	6.4458	0.6	A
9031	29235.92	22 43S	32 4E	110.0	187.1	3.092	-29.05	48.2	S0315	.02200	6.5943	0.6	V
9032	29240.12	22 43S	32 3E	111.3	187.1	3.092	-28.70	48.2	S0315	.01650	6.4458	0.6	A
9033	29257.52	24 41S	33 32E	114.1	187.1	2.390	24.85	47.6	S0315	.01650	6.3137	0.6	F
9034	29261.52	24 40S	33 32E	113.2	187.2	2.181	25.20	47.6	S0315	.01650	6.3797	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
25 9035	29272.92	25 34S	32 12E	102.4	187.2	3.092	-8.75	46.2	SO315	.02200	7.0070	0.6	F
9036	29279.92	25 51S	32 37E	102.5	187.2	2.881	5.95	46.2	SO315	.02200	7.0847	2.0	V
9037	29285.12	25 56S	32 48E	104.1	187.3	2.881	5.95	46.2	SO315	.03070	6.8419	0.8	A
9038	29311.12	27 00S	32 27E	107.4	187.4	2.530	13.65	44.5	SO315	.02200	6.7346	0.6	V
9039	29315.12	27 00S	32 27E	109.3	187.4	2.530	14.00	44.5	SO315	.02200	6.5035	0.8	A
9040	29322.92	28 46S	32 3E	105.2	187.4	2.738	6.65	43.7	SO315	.03070	6.8667	0.8	V
9041	29326.92	28 46S	32 3E	106.9	187.5	2.738	7.00	43.7	SO315	.03070	6.6438	0.8	A
9042	29336.32	29 51S	31 1E	108.8	187.5	3.092	-16.45	42.3	SO315	.03070	6.5696	1.0	F
9043	29340.32	29 51S	31 1E	107.7	187.5	3.092	-16.10	42.3	SO315	.03070	6.7099	1.0	V
9044	29344.72	29 53S	31 0E	109.1	187.5	3.092	-15.75	42.3	SO315	.03070	6.5365	0.6	A
26 5001	33491.32	50 54N	25 31E	80.7	190.4	2.037	-14.35	47.6	SO130	.02210	8.9803	0.6	F
5002	33495.12	50 51N	25 23E	80.7	190.3	2.037	-17.15	47.7	SO130	.02210	9.0958	0.4	V
9001	33223.12	68 57N	36 53E	86.3	198.4	1.135	7.70	31.3	SO315	.02200	8.4760	0.8	V
9002	33226.32	68 57N	36 52E	87.2	198.2	1.135	7.70	31.3	SO315	.02200	8.2944	0.8	A
9003	33350.32	60 18N	30 46E	85.3	193.3	1.690	13.30	39.5	SO315	.03070	8.4925	0.8	F
9004	33353.32	60 18N	30 45E	84.3	193.2	1.690	13.30	39.5	SO315	.03070	8.6988	0.8	V
9005	33361.92	59 53N	29 5E	83.7	193.0	1.484	-15.75	39.7	SO315	.03070	8.7464	0.8	V
9006	33364.92	59 54N	29 4E	84.6	192.9	1.484	-15.75	39.7	SO315	.03070	8.5568	0.8	A
9007	33368.12	59 27N	28 54E	83.2	192.8	1.484	-15.05	40.1	SO315	.03070	8.7979	0.6	V
9008	33371.32	59 27N	28 54E	84.0	192.8	1.484	-14.70	40.1	SO315	.03070	8.6328	0.4	A
9009	33379.12	58 47N	29 50E	83.8	192.6	1.690	11.55	40.8	SO315	.02200	8.6411	0.6	A
9010	33391.92	57 38N	28 13E	82.5	192.3	1.690	-11.90	41.7	SO315	.03070	8.7649	1.6	F
9011	33398.72	57 20N	28 28E	80.1	192.1	1.690	-8.15	42.1	SO315	.03070	9.1527	0.8	V
9012	33401.72	57 20N	28 27E	81.0	192.0	1.690	-8.15	42.1	SO315	.03070	8.9547	0.8	A
9013	33414.12	56 15N	28 20E	80.2	191.8	1.826	4.90	43.1	SO315	.03070	9.1445	0.8	V
9014	33417.12	56 15N	28 20E	81.1	191.7	1.826	4.90	43.1	SO315	.03070	8.9382	0.8	A
9015	33429.32	55 9N	26 46E	85.1	191.5	1.690	-21.00	43.9	SO315	.03070	8.4925	0.4	F
9016	33432.32	55 8N	26 45E	84.1	191.4	1.690	-21.00	43.9	SO315	.03070	8.7236	0.4	V
9017	33442.92	54 4N	27 46E	82.8	191.2	2.037	12.95	45.1	SO315	.03070	8.7731	2.0	F
9018	33447.12	53 59N	27 43E	81.7	191.1	2.037	12.95	45.2	SO315	.03070	8.9794	2.0	V
9019	33451.52	53 53N	27 40E	82.6	191.0	2.037	12.95	45.3	SO315	.03070	8.7731	0.8	A
9020	33461.92	53 7N	26 4E	82.6	190.9	1.826	-19.60	45.7	SO315	.03070	8.8804	0.6	V
9021	33464.92	53 7N	26 4E	83.3	190.8	1.826	-19.25	45.7	SO315	.03070	8.7153	0.6	A
9022	33471.92	52 14N	25 46E	83.3	190.7	1.826	-19.60	46.4	SO315	.03070	8.6741	0.6	F
9023	33474.92	52 14N	25 46E	82.1	190.6	1.826	-19.25	46.4	SO315	.03070	8.9299	0.8	V
9024	33478.52	52 12N	25 41E	83.6	190.6	2.037	-20.65	46.5	SO315	.03070	8.6988	0.6	A
9025	33484.32	51 21N	25 54E	79.5	190.5	2.037	-8.40	47.3	SO315	.03070	9.1115	0.6	F
9026	33491.12	50 55N	25 32E	80.7	190.4	2.037	-14.35	47.6	SO315	.03070	8.9794	0.8	F
9027	33495.52	50 49N	25 22E	80.7	190.3	2.037	-17.15	47.7	SO315	.03070	9.0950	0.8	V
9028	33498.52	50 49N	25 22E	81.6	190.3	2.037	-17.15	47.7	SO315	.03070	8.9134	0.8	A
9029	33502.72	50 8N	25 13E	80.9	190.2	2.037	-15.75	48.3	SO315	.02200	8.9464	0.6	F
9030	33505.72	50 7N	25 13E	79.8	190.2	2.037	-15.40	48.3	SO315	.03070	9.1940	0.4	V
9031	33521.92	48 49N	24 51E	80.0	189.9	2.181	-14.35	49.4	SO315	.02200	9.0455	0.4	F
9032	33523.92	48 41N	24 48E	78.9	189.9	2.181	-14.35	49.5	SO315	.02200	9.0537	0.6	F
9033	33529.32	48 32N	24 31E	81.0	189.8	2.037	-20.30	49.6	SO315	.02200	9.0620	0.4	V
9034	33532.32	48 31N	24 31E	81.7	189.8	2.037	-19.95	49.6	SO315	.02200	8.8969	0.4	A
9035	33554.12	46 35N	24 34E	77.6	189.5	2.390	-2.45	51.4	SO315	.02200	9.3508	0.6	F
9036	33556.92	46 34N	24 34E	76.7	189.5	2.390	-2.10	51.4	SO315	.03070	9.5819	0.6	V
9037	33559.92	46 34N	24 33E	77.5	189.4	2.390	-2.10	51.4	SO315	.02200	9.3673	0.4	A
9038	33566.52	45 43N	24 24E	77.4	189.4	2.390	0.00	52.2	SO315	.02200	9.3756	0.6	F
9039	33569.32	45 43N	24 23E	76.5	189.3	2.390	0.35	52.2	SO315	.03070	9.6067	0.6	V
9040	33577.32	45 17N	25 4E	80.0	189.2	2.181	23.80	52.8	SO315	.01650	8.4347	0.6	A
9041	33635.52	41 1N	22 56E	76.5	188.7	2.530	-4.90	55.9	SO315	.01650	9.4911	0.6	F
9042	33638.32	41 0N	22 56E	75.6	188.6	2.530	-4.55	55.9	SO315	.01650	9.7222	0.4	V
9043	33643.32	40 39N	22 58E	75.7	188.6	2.530	-0.35	56.3	SO315	.02200	9.7057	0.6	V
9044	33646.12	40 39N	22 58E	76.6	188.6	2.530	0.00	56.3	SO315	.02200	9.4829	0.6	A
9045	33663.72	39 25N	22 58E	78.6	188.4	2.530	10.85	57.3	SO315	.02200	9.2353	1.4	A
9046	33680.92	38 10N	21 26E	85.0	188.3	2.390	-29.75	57.8	SO315	.01220	8.6411	0.4	V
9047	33683.92	38 11N	21 26E	85.7	188.3	2.390	-29.40	57.8	SO315	.01220	8.4925	0.6	A
9048	33758.52	32 35N	20 39E	77.7	187.7	2.738	-15.40	61.9	SO315	.02200	9.3343	0.6	F
9049	33761.32	32 35N	20 39E	76.7	187.7	2.738	-15.05	61.9	SO315	.02200	9.5819	0.4	V
9050	33764.12	32 12N	20 36E	77.2	187.7	2.738	-14.35	62.2	SO315	.02200	9.3921	0.4	F
9051	33766.72	32 13N	20 36E	76.3	187.7	2.738	-14.00	62.2	SO315	.02200	9.6397	0.4	V
9052	33771.32	32 7N	20 22E	79.9	187.7	2.738	-21.35	62.1	SO315	.01220	9.1115	0.4	A
9053	33788.72	30 42N	20 13E	77.0	187.6	2.738	-16.10	63.1	SO315	.02200	9.5406	0.4	V
9054	33791.52	30 42N	20 13E	77.8	187.6	2.738	-15.75	63.1	SO315	.02200	9.3508	0.6	A
9055	34307.52	5 13S	14 54E	102.2	186.5	2.390	31.50	63.0	SO315	.01650	7.1390	0.6	V
9056	34311.32	5 13S	14 54E	104.3	186.5	2.181	32.20	63.1	SO315	.01650	6.8749	0.6	A
9057	34357.52	8 46S	13 15E	89.0	186.6	3.439	-5.95	59.8	SO315	.01650	8.1129	2.0	F
9058	34362.52	8 53S	13 10E	88.4	186.6	3.439	-7.70	59.7	SO315	.02200	8.2449	0.8	V
9059	34365.72	8 52S	13 11E	89.6	186.6	3.439	-7.00	59.7	SO315	.02200	8.0303	1.0	A
9060	34407.32	12 19S	13 35E	105.7	186.7	2.530	27.30	57.8	SO315	.01650	6.8584	0.8	F
9061	34410.72	12 18S	13 35E	104.8	186.7	2.530	27.30	57.8	SO315	.02200	6.9575	1.2	V
27 9001	39058.92	34 38N	1 24W	81.8	187.9	2.530	-25.20	60.4	SO315	.02200	8.8556	0.8	F
9002	39061.92	34 38N	1 24W	80.6	187.9	2.530	-24.85	60.4	SO315	.02200	9.1115	0.6	V
9003	39070.72	33 44N	0 43W	76.2	187.9	2.881	5.95	61.5	SO315	.02200	9.5571	0.6	F
9004	39073.52	33 44N	0 44W	75.4	187.8	2.881	6.30	61.5	SO315	.02200	9.7635	0.8	V
9005	39076.52	33 43N	0 44W	76.3	187.8	2.881	6.65	61.5	SO315	.02200	9.5076	0.6	A
29 9001	50597.52	25 46S	56 28W	101.1	187.2	3.092	-2.45	46.1	SO315	.02200	7.1638	0.4	V
9002	50611.92	26 41S	57 5W	104.3	187.3	3.092	-15.05	45.1	SO315	.02200	6.9409	0.4	V
9003	50623.72	27 21S	55 58W	114.0	187.3	2.181	21.70	45.2	SO315	.02200	6.2312	1.4	A

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLF RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	*ERROR
29 9004	50637.12	28 33S	56 3W	116.0	187.4	2.181	24.50	44.2	SO315	.02200	6.2312	0.4	V
9005	50641.92	29 7S	56 32W	110.1	187.4	2.390	15.65	43.5	SO315	.02200	6.5200	0.8	F
9006	50651.72	29 43S	57 7W	105.9	187.5	2.881	2.10	42.7	SO315	.02200	6.7676	0.4	F
9007	50654.52	29 39S	57 8W	104.9	187.5	2.881	1.40	42.8	SO315	.02200	6.8814	1.4	V
9008	50659.72	29 44S	57 4W	107.1	187.5	2.881	4.20	42.7	SO315	.02200	6.8438	0.6	A
9009	50667.92	30 46S	58 2W	109.9	187.6	3.092	-17.15	41.4	SO315	.02200	6.5035	0.6	F
9010	50675.32	31 15S	57 59W	108.6	187.6	2.881	-12.60	41.1	SO315	.02200	6.5776	2.0	F
9011	50681.12	31 23S	58 3W	108.1	187.6	3.092	-13.65	40.9	SO315	.02200	6.6851	0.6	V
9012	50685.32	31 24S	57 59W	109.0	187.7	3.092	-11.20	41.0	SO315	.02200	6.5365	1.2	A
9013	50694.92	32 20S	58 3W	107.4	187.7	2.881	-7.70	40.2	SO315	.02200	6.7181	1.0	V
9014	50701.52	32 29S	58 15W	110.2	187.8	3.092	-11.90	40.0	SO315	.02200	6.4023	0.6	A
9015	50726.52	34 50S	57 53W	113.4	187.9	2.530	10.85	38.3	SO315	.03070	6.3137	0.6	F
9016	50730.72	34 50S	57 53W	112.6	187.9	2.530	11.20	38.3	SO315	.03070	6.4045	0.4	V
30 9001	55557.72	0 23S	73 9W	100.4	186.5	2.390	30.10	66.0	SO315	.01650	7.1473	0.8	A
9002	55716.92	11 46S	75 30W	94.7	186.6	2.881	16.45	57.9	SO315	.02200	7.6507	0.4	F
9003	55723.92	12 3S	75 12W	104.4	186.7	2.390	27.30	58.0	SO315	.01220	6.9740	0.6	V
9004	55727.72	12 3S	75 12W	106.4	186.7	2.390	27.65	58.0	SO315	.01220	6.7181	0.6	A
9005	55749.12	13 42S	76 12W	92.2	186.7	3.092	3.50	56.2	SO315	.01650	7.8900	1.0	V
9006	55752.52	13 42S	76 13W	93.7	186.7	3.092	3.85	56.2	SO315	.01650	7.6507	1.0	A
32 9001	65619.52	40 13N	110 22W	75.3	188.6	2.738	-1.40	56.7	SO315	.02200	9.6479	0.6	F
9002	65624.92	40 13N	110 23W	75.3	188.5	2.738	-0.70	56.7	SO315	.02200	9.8397	0.6	A
9003	65716.12	33 27N	112 0W	75.5	187.8	2.881	-1.75	61.7	SO315	.01650	9.6232	0.6	F
9004	65723.52	33 27N	112 0W	75.6	187.8	2.881	-1.05	61.7	SO315	.01650	9.6067	0.6	A
37 9001	5720.72	49 3N	140 18E	84.9	190.0	1.826	-25.90	49.4	SO315	.03070	8.5090	0.4	F
9002	5723.72	49 3N	140 18E	83.6	189.9	1.826	-25.55	49.4	SO315	.03070	8.7731	1.4	V
9003	5727.92	48 58N	140 17E	84.4	189.9	2.037	-25.55	49.4	SO315	.03070	8.6163	0.4	A
38 9001	11013.32	51 19N	119 35E	76.9	190.4	2.037	-7.00	47.6	SO315	.03070	9.5406	0.4	V
9002	11020.92	50 31N	120 8E	80.0	190.3	2.181	15.40	48.5	SO315	.02200	9.0785	0.4	F
9003	11030.72	50 25N	118 39E	82.9	190.2	2.037	-23.10	48.2	SO315	.02200	8.7649	0.4	A
9004	11041.32	49 9N	119 35E	79.9	190.0	2.181	12.95	49.7	SO315	.02200	9.0867	0.6	F
9005	11045.92	49 13N	119 43E	81.6	190.0	2.181	10.80	49.6	SO315	.02200	8.8721	1.0	A
9006	11102.72	45 9N	118 15E	77.5	189.2	2.390	11.90	53.0	SO315	.02200	9.4746	0.6	V
9007	11117.12	44 28N	117 4E	78.9	189.1	2.390	-18.55	53.3	SO315	.02200	9.2105	0.4	A
9008	11204.52	38 20N	116 54E	87.9	188.3	2.181	28.00	58.7	SO315	.01650	8.2449	0.4	A
9009	11218.72	37 10N	116 26E	82.8	188.2	2.530	22.75	59.5	SO315	.01650	8.8887	0.6	V
9010	11225.12	36 58N	116 0E	77.7	188.1	2.738	10.50	59.4	SO315	.02200	9.3343	0.4	A
9011	11232.52	36 27N	116 2E	79.8	188.1	2.530	16.10	59.9	SO315	.02200	9.0867	0.4	A
9012	11238.32	35 35N	116 17E	88.9	188.0	2.530	29.05	60.7	SO315	.01650	8.2037	1.0	F
9013	11248.32	35 19N	116 21E	93.2	188.0	2.181	33.25	61.0	SO315	.01650	7.7662	0.8	A
9014	11285.12	32 34N	113 42E	89.5	187.7	2.390	-34.65	61.8	SO315	.01650	8.0799	0.6	F
9015	11291.52	32 31N	114 1E	81.1	187.7	2.738	-24.15	62.1	SO315	.01650	8.9712	0.8	A
9016	11518.72	16 34N	111 37E	77.3	186.8	3.092	4.55	69.4	SO315	.02200	9.4911	0.6	V
9017	11521.72	16 33N	111 37E	78.4	186.8	3.092	4.90	69.4	SO315	.02200	9.2188	0.4	A
9018	11530.12	15 48N	111 13E	77.0	186.8	3.232	-7.00	69.3	SO315	.03070	9.5241	0.6	V
9019	11532.92	15 48N	111 12E	78.0	186.8	3.232	-6.65	69.3	SO315	.03070	9.2848	0.6	A
9020	11757.92	0 0S	109 20E	97.3	186.5	2.530	26.35	66.1	SO315	.01650	7.5104	0.4	V
9021	11761.52	0 0S	109 21E	94.5	186.5	2.530	29.05	66.1	SO315	.01650	7.7133	0.4	A
39 9001	16388.32	47 45N	96 51E	77.3	189.7	2.181	11.20	50.8	SO315	.01650	9.5076	0.4	V
9002	16391.12	47 45N	96 51E	78.3	189.7	2.181	11.55	50.8	SO315	.01650	9.2683	0.4	A
9003	16629.52	31 27N	92 4E	73.3	187.6	2.881	-7.70	63.0	SO315	.02200	9.9038	0.4	A
9004	16653.92	29 39N	91 9E	80.8	187.5	2.738	-28.35	63.8	SO315	.01650	9.0950	0.6	V
40 9001	21742.52	45 53N	73 35E	76.4	189.3	2.390	-3.85	52.3	SO330	.01660	9.5085	1.8	A
9001	21388.52	69 20N	87 22E	88.2	198.8	1.135	18.20	31.3	SO315	.02200	8.3027	0.8	V
9002	21391.72	69 20N	87 23E	89.4	198.6	1.135	18.55	31.3	SO315	.02200	8.0964	0.8	A
9003	21587.32	56 32N	76 38E	83.5	191.7	1.690	-20.30	43.0	SO315	.01650	8.6906	0.4	A
9004	21724.72	46 38N	74 31E	81.0	189.5	2.390	16.45	51.9	SO315	.02200	8.9712	0.6	F
9005	21727.52	46 38N	74 31E	80.1	189.5	2.181	16.80	51.9	SO315	.02200	9.1693	0.8	V
9006	21734.92	46 1N	73 39E	76.4	189.4	2.390	-3.85	52.2	SO315	.02200	9.4911	0.6	F
9007	21737.72	46 1N	73 38E	75.6	189.4	2.390	-3.85	52.2	SO315	.02200	9.7140	1.0	V
9008	21740.92	45 59N	73 37E	76.4	189.3	2.390	-3.85	52.2	SO315	.02200	9.4994	0.6	A
9009	21742.72	45 52N	73 35E	76.3	189.3	2.390	-3.85	52.3	SO315	.02200	9.5076	1.2	A
9010	21782.72	42 48N	73 51E	88.5	188.9	2.181	29.75	55.2	SO315	.01650	8.3109	0.8	V
9011	21785.92	42 48N	73 51E	89.9	188.9	2.181	30.10	55.2	SO315	.01650	8.0551	1.0	A
9012	21797.32	41 42N	72 49E	76.3	188.7	2.530	8.75	55.8	SO315	.02200	9.5406	0.4	F
9013	21803.72	41 25N	72 59E	78.0	188.7	2.390	17.15	56.1	SO315	.02200	9.4168	0.4	V
9014	21811.92	40 44N	72 18E	75.6	188.6	2.530	-0.35	56.5	SO315	.02200	9.5484	0.4	F
9015	21814.52	40 44N	72 18E	74.8	188.6	2.530	0.00	56.5	SO315	.02200	9.8212	0.6	V
9016	21820.52	40 23N	71 45E	76.6	188.5	2.530	-15.40	56.6	SO315	.02200	9.5902	0.6	V
9017	21823.52	40 22N	71 45E	77.4	188.5	2.530	-15.05	56.6	SO315	.02200	9.3921	0.6	A
9018	21830.52	39 54N	71 27E	78.1	188.5	2.530	-21.00	56.9	SO315	.02200	9.3096	0.4	A
9019	21861.72	37 30N	71 32E	73.6	188.2	2.738	1.75	59.0	SO315	.02200	9.9863	0.6	V
9020	21871.32	37 9N	70 31E	84.2	188.1	2.530	-29.40	58.8	SO315	.01650	8.6576	1.2	A
9021	21889.52	35 20N	71 32E	80.6	188.0	2.530	19.60	60.8	SO315	.02200	9.0290	2.4	F
9022	21896.52	34 53N	71 10E	77.3	188.0	2.738	10.15	61.0	SO315	.02200	9.4168	0.6	F
9023	21900.12	34 50N	71 7E	75.5	187.9	2.738	9.45	61.0	SO315	.02200	9.7305	1.2	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	*ERROR
40 9024	21906.32	34 38N	70 46E	75.0	187.9	2.738	-1.05	61.0	S0315	.02200	9.6727	1.0	A
9025	21924.52	32 59N	70 32E	75.6	187.8	2.881	2.80	62.2	S0315	.01650	9.6149	0.6	F
9026	21927.32	32 59E	70 31E	74.8	187.8	2.881	3.15	62.2	S0315	.02200	9.6212	0.6	V
9027	21969.32	30 0N	70 35E	87.2	187.5	2.390	28.35	64.5	S0315	.01650	8.4182	0.8	V
9028	22035.32	25 25N	68 22E	79.3	187.2	2.881	-19.60	66.2	S0312	.03070	9.1240	0.6	F
9029	22038.12	25 25N	68 22E	78.3	187.2	2.881	-19.25	66.2	S0312	.03070	9.3756	0.6	V
41 5001	26880.33	58 2N	56 16E	80.1	192.4	1.826	4.55	41.8	S0130	.02210	9.0341	0.8	F
5002	26883.33	58 1N	56 15E	79.1	192.3	1.826	4.55	41.8	S0130	.02210	9.2692	0.6	V
9001	26687.53	71 7N	66 46E	87.0	200.3	3.995	11.90	29.5	S0312	.04070	8.3192	0.4	A
9002	26836.33	61 19N	56 36E	85.3	193.6	1.338	-22.05	38.7	S0312	.02200	8.5833	0.4	V
9003	26839.33	61 20N	56 37E	86.0	193.5	1.338	-21.70	38.6	S0312	.02200	8.4347	0.6	A
9004	26849.53	60 18N	57 19E	79.5	193.2	1.690	2.45	39.7	S0312	.04070	9.2188	0.4	V
9005	26852.53	60 18N	57 18E	80.4	193.1	1.690	2.45	39.7	S0312	.04070	9.0207	0.4	A
9006	26858.73	59 42N	56 44E	79.2	192.9	1.690	-3.15	40.2	S0312	.04070	9.2518	0.8	V
9007	26861.73	59 42N	56 44E	80.1	192.9	1.690	-2.80	40.2	S0312	.04070	9.0537	0.8	A
9008	26871.33	58 57N	55 27E	84.2	192.6	1.338	-21.70	40.8	S0312	.03070	8.6988	0.6	V
9009	26880.53	58 0N	56 16E	80.1	192.4	1.826	4.55	41.8	S0312	.04070	9.0372	0.6	F
9010	26883.33	58 1N	56 15E	79.1	192.3	1.826	4.55	41.8	S0312	.04070	9.2683	0.6	V
9011	26887.33	57 43N	56 17E	79.8	192.2	1.826	8.40	42.1	S0312	.04070	9.1858	0.4	V
9012	26890.33	57 43N	56 16E	80.7	192.2	1.826	8.40	42.1	S0312	.04070	8.9794	0.4	A
9013	26891.73	57 37N	56 14E	80.6	192.1	1.826	8.40	42.2	S0312	.04070	8.9794	1.2	A
9014	26907.73	56 17N	54 17E	84.8	191.8	1.484	-22.40	43.2	S0312	.04070	8.5173	0.6	F
9015	26918.33	55 49N	55 27E	80.4	191.6	1.826	9.45	43.8	S0312	.04070	9.0207	0.4	A
9016	26965.33	52 35N	52 51E	82.9	190.7	1.690	-23.10	46.4	S0312	.04070	8.8474	0.8	V
9017	26968.33	52 35N	52 51E	83.5	190.7	1.690	-22.75	46.4	S0312	.04070	8.6988	1.0	A
9018	27029.53	48 24N	51 32E	81.9	189.8	2.037	-21.70	50.0	S0312	.03070	8.8804	0.4	A
9019	27041.53	47 6N	51 56E	76.9	189.6	2.390	0.00	51.3	S0312	.04070	9.4334	0.6	F
9020	27045.73	47 11N	51 60E	77.0	189.6	2.390	1.75	51.3	S0312	.04070	9.4251	0.4	A
9021	27071.13	45 25N	51 47E	78.9	189.3	2.390	11.55	52.9	S0312	.03070	9.1940	0.4	A
9022	27094.13	43 39N	51 17E	77.9	189.0	2.390	12.25	54.3	S0312	.04070	9.4334	1.0	V
9023	27142.33	40 25N	49 50E	75.1	188.5	2.530	-7.00	56.7	S0312	.04070	9.7717	0.6	V
9024	27145.13	40 25N	49 50E	76.0	188.5	2.530	-6.65	56.7	S0312	.03070	9.5571	0.8	A
9025	27152.33	39 57N	49 25E	78.2	188.5	2.530	-10.80	56.9	S0312	.03070	9.2931	0.8	A
9026	27156.93	39 26N	49 19E	77.2	188.4	2.530	-16.45	57.3	S0312	.03070	9.5159	0.6	V
9027	27159.93	39 26N	49 18E	78.3	188.4	2.530	-17.15	57.3	S0312	.03070	9.2848	0.6	A
9028	27166.73	38 48N	48 52E	81.4	188.3	2.390	-25.55	57.7	S0312	.03070	9.0124	1.0	V
9029	27170.53	38 45N	48 49E	82.9	188.3	2.390	-26.25	57.7	S0312	.03070	8.7814	0.6	A
9030	27202.33	36 34N	48 19E	82.0	188.1	2.530	-26.25	59.3	S0312	.03070	8.8721	1.0	A
9031	27267.53	31 53N	47 9E	84.7	187.7	2.530	-30.45	62.4	S0312	.03070	8.6576	0.4	V
9032	27275.73	31 5N	47 26E	77.6	187.6	2.738	-16.10	63.2	S0312	.03070	9.3343	0.4	F
9033	27282.73	30 33N	47 48E	75.9	187.6	2.881	2.45	63.8	S0312	.03070	9.5737	0.4	F
9034	27285.33	30 33N	47 48E	75.1	187.6	2.881	2.80	63.8	S0312	.03070	9.7882	0.4	V
9035	27289.93	30 26N	47 40E	75.6	187.5	2.881	-1.40	63.8	S0312	.02200	9.6067	0.6	A
9036	27302.73	29 20N	47 39E	75.8	187.5	2.881	6.65	64.6	S0312	.03070	9.6974	0.6	V
9037	27305.53	29 20N	47 39E	76.8	187.5	2.881	7.00	64.6	S0312	.03070	9.4416	0.4	A
9038	27366.53	24 45N	46 45E	77.2	187.2	3.092	8.05	67.0	S0312	.03070	9.4251	0.6	F
9039	27369.33	24 45N	46 45E	76.4	187.2	2.881	8.40	67.0	S0312	.03070	9.6149	1.2	V
9040	27372.93	24 42N	46 44E	77.6	187.2	2.881	9.10	67.1	S0312	.03070	9.3343	0.4	A
9041	27501.53	15 31N	44 14E	82.0	186.8	3.092	-23.45	68.9	S0312	.01650	8.8144	1.0	F
9042	27527.33	13 43N	44 9E	79.1	186.7	3.232	-13.65	69.2	S0312	.01650	9.1527	0.8	F
9043	27537.93	12 51N	44 55E	88.2	186.7	2.881	23.45	70.1	S0312	.03070	8.2367	0.8	F
9044	27540.93	12 52N	44 55E	87.6	186.7	2.881	23.80	70.1	S0312	.03070	8.3605	1.0	V
9045	27545.33	12 47N	44 51E	87.9	186.7	2.881	22.75	70.1	S0312	.03070	8.1871	0.6	A
9046	27729.13	0 20S	42 34E	92.9	186.5	2.881	21.35	65.7	S0312	.02200	7.8240	1.0	F
9047	27732.33	0 19S	42 33E	92.3	186.5	2.881	21.70	65.7	S0312	.03070	7.9231	1.0	V
9048	27877.73	10 14S	40 13E	89.4	186.6	3.232	-1.75	58.6	S0312	.04070	8.1129	0.6	V
9049	27881.13	10 15S	40 12E	91.1	186.6	3.232	-1.40	58.6	S0312	.03070	7.8818	0.6	A
42 9001	32052.93	68 6N	39 32E	85.3	197.7	0.995	-13.30	32.4	S0312	.04070	8.4678	1.2	F
9002	32057.33	67 59N	39 39E	83.3	197.5	0.995	-10.15	32.5	S0312	.03070	8.7896	0.4	V
9003	32060.53	67 59N	39 39E	84.1	197.3	0.995	-9.80	32.5	S0312	.03070	8.6163	0.4	A
9004	32181.53	59 34N	35 21E	82.5	192.9	1.690	14.70	40.5	S0312	.03070	8.8969	0.6	V
9005	32184.53	59 34N	35 22E	83.6	192.9	1.690	15.05	40.5	S0312	.03070	8.6658	0.6	A
9006	32196.73	58 30N	33 31E	81.3	192.5	1.690	-13.30	41.3	S0312	.03070	8.8969	0.6	F
9007	32199.53	58 30N	33 30E	80.4	192.5	1.690	-13.30	41.3	S0312	.03070	9.1280	0.6	V
9008	32205.13	57 53N	33 39E	79.5	192.3	1.826	-4.20	41.9	S0312	.03070	9.1115	0.6	F
9009	32207.93	57 53N	33 39E	78.5	192.3	1.826	-3.85	41.9	S0312	.03070	9.3426	1.4	V
9010	32211.73	57 50N	33 37E	79.4	192.2	1.826	-3.85	42.0	S0312	.03070	9.1445	0.6	A
9011	32219.73	57 23N	32 37E	83.9	192.0	1.690	-21.00	42.2	S0312	.03070	8.6493	0.4	A
9012	32227.13	56 40N	32 20E	82.8	191.8	1.690	-21.00	42.9	S0312	.04070	8.8639	0.8	V
9013	32230.13	56 41N	32 19E	83.7	191.8	1.690	-21.00	42.9	S0312	.04070	8.6823	0.8	A
9014	32366.93	46 58N	28 42E	85.8	189.6	1.826	-28.35	51.2	S0312	.03070	8.4100	0.6	F
9015	32369.93	46 58N	28 42E	84.6	189.5	2.037	-28.35	51.2	S0312	.03070	8.6741	0.6	V
9016	32376.73	46 15N	29 12E	77.1	189.4	2.390	-4.10	52.0	S0312	.04070	9.4003	0.4	F
9017	32381.33	46 6N	29 18E	75.7	189.4	2.390	-4.55	52.2	S0312	.04070	9.7057	0.6	V
9018	32384.13	46 6N	29 18E	76.5	189.4	2.390	-4.20	52.2	S0312	.04070	9.4911	0.6	A
9019	32453.33	41 10N	27 56E	74.9	188.7	2.530	-4.55	56.1	S0312	.04070	9.8047	0.6	V
9020	32456.13	41 10N	27 55E	75.8	188.6	2.530	-4.20	56.2	S0312	.03070	9.5819	0.6	A
9021	32474.93	39 39N	27 56E	76.5	188.5	2.530	9.45	57.5	S0312	.02200	9.6149	0.6	V
9022	32477.73	39 39N	27 56E	77.5	188.4	2.530	9.80	57.5	S0312	.02200	9.3591	0.6	A
9023	32492.93	38 28N	27 9E	75.1	188.3	2.530	-7.70	58.2	S0312	.03070	9.7882	0.4	V
9024	32495.73	38 28N	27 9E	75.9	188.3	2.738	-7.70	58.2	S0312	.03070	9.5737	0.4	A
9025	32592.73	31 30N	26 23E	82.5	187.6	2.530	22.40	63.5	S0312	.03070	8.9217	0.6	V
9026	32616.93	29 48N	24 32E	86.6	187.5	2.530	-31.50	63.7	S0312	.01650	8.3440	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY LAT DG MIN	LONG DG MIN	FRAME START SUB RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
42 9027	32619.93	29 48N	24 32E	85.4	187.5	2.530	-31.15	63.7	S0312	.01650	8.5915	0.6	V
9028	32697.93	24 13N	23 19E	90.0	187.1	2.530	-34.65	66.4	S0312	.01650	8.0221	1.0	F
9029	32701.13	24 13N	23 19E	88.8	187.1	2.738	-34.65	66.4	S0312	.01650	8.2697	1.0	V
43 9001	37165.73	80 49S	47 29E	88.6	225.1	3.292	0.35	19.2	S0312	.04070	8.2367	0.8	V
9002	37168.93	80 49S	47 31E	89.5	224.2	3.292	0.35	19.2	S0312	.04070	8.0834	1.0	A
9003	37656.13	48 59N	9 3E	85.8	190.0	2.181	23.45	50.0	S0312	.03070	8.4925	0.8	F
9004	37659.13	48 59N	9 4E	85.0	190.0	2.181	23.80	50.0	S0312	.03070	8.6576	0.8	V
9005	38078.93	20 17N	0 59E	77.2	186.9	3.092	-14.00	68.3	S0312	.03070	9.5159	0.8	V
9006	38081.93	20 16N	0 59E	78.1	186.9	3.092	-13.65	68.3	S0312	.03070	9.3013	0.6	A
45 9001	49111.93	6 22S	48 32W	97.7	186.6	3.439	-28.35	60.8	S0312	.02200	7.3866	1.4	A
9002	49172.93	10 40S	48 23W	92.0	186.6	3.092	4.90	58.4	S0312	.03070	7.7828	1.6	A
9003	49188.53	11 41S	49 3W	93.2	186.7	3.439	-12.95	57.3	S0312	.03070	7.7167	1.0	A
9004	49205.53	13 9S	48 44W	93.3	186.7	3.092	8.05	56.6	S0312	.03070	7.7993	1.4	V
9005	49213.93	13 31S	48 8W	109.8	186.7	2.181	29.40	56.7	S0312	.02200	6.4953	1.4	A
9006	49249.73	16 12S	48 57W	100.3	186.8	2.738	18.55	54.3	S0312	.02200	7.2381	0.8	V
9007	49253.53	16 12S	48 57W	102.2	186.8	2.530	19.25	54.3	S0312	.02200	6.9995	0.8	A
9008	49263.13	16 47S	49 54W	96.0	186.6	3.439	-9.80	53.3	S0312	.03070	7.4609	0.8	A
9009	49268.93	17 7S	50 22W	101.5	186.8	3.439	-22.75	52.8	S0312	.03070	7.0647	1.4	A
9010	49285.33	18 47S	50 8W	96.5	186.9	3.232	-5.60	51.7	S0312	.03070	7.4444	1.4	F
9011	49293.93	18 51S	50 29W	99.6	186.9	3.439	-16.10	51.5	S0312	.03070	7.1885	1.4	A
9012	49302.33	19 36S	51 11W	110.5	186.9	3.232	-32.20	50.5	S0312	.02200	6.5096	1.4	V
9013	49310.53	20 15S	50 33W	97.4	186.9	3.232	-9.45	50.4	S0312	.03070	7.4444	1.0	V
9014	49318.93	21 6S	50 25W	98.5	187.0	3.092	-0.35	49.9	S0312	.03070	7.2958	1.4	F
9015	49326.13	21 9S	49 56W	104.8	187.0	2.530	18.45	50.2	S0312	.03070	6.7841	1.4	A
9016	49333.33	21 51S	50 30W	98.4	187.0	3.092	2.10	49.3	S0312	.03070	7.3618	1.4	V
9017	49340.33	22 36S	50 27W	101.3	187.0	2.881	7.70	48.8	S0312	.03070	7.0978	1.4	F
9018	49347.73	22 55S	49 55W	112.1	187.1	2.181	25.55	48.8	S0312	.02200	6.4375	1.0	V
9019	49354.93	23 7S	49 57W	114.4	187.1	2.181	25.90	48.7	S0312	.02200	6.1962	0.8	A
46 9001	54569.33	16 21S	71 30W	94.9	186.8	3.092	6.30	54.0	S0312	.01650	7.5929	1.2	F
9002	54576.13	16 47S	71 52W	94.7	186.8	3.232	-3.85	53.4	S0312	.03070	7.6012	0.6	F
9003	54579.13	16 45S	71 52W	93.6	186.8	3.232	-3.50	53.4	S0312	.02200	7.7497	1.0	V
9004	54586.73	17 36S	71 20W	103.4	186.8	2.738	18.90	53.2	S0312	.03070	6.9740	1.6	F
9005	54595.33	17 42S	70 51W	118.9	186.8	1.826	33.60	53.4	S0312	.02200	5.9588	0.6	A
48 5001	64461.13	35 12N	106 36W	74.6	188.0	2.738	-7.35	60.7	S0130	.01660	9.7231	0.8	F
5002	64466.33	35 12N	106 36W	74.7	187.9	2.738	-6.30	60.7	S0130	.01660	9.7397	1.0	A
5003	64605.53	25 17N	107 29W	96.2	187.2	2.181	36.75	67.5	S0130	.01660	7.6514	0.8	V
5004	64610.93	25 10N	107 19W	105.5	187.2	1.826	41.65	67.7	S0130	.01250	6.8673	1.2	A
9001	64461.13	35 11N	106 36W	74.7	188.0	2.738	-7.35	60.7	S0312	.03070	9.7222	0.8	F
9002	64466.53	35 11N	106 36W	74.6	187.9	2.738	-6.30	60.7	S0312	.03070	9.7387	0.6	A
52 9001	85253.93	68 55N	179 24W	88.2	198.6	1.135	15.05	31.9	S0312	.03070	8.3852	0.4	F
9002	85257.13	68 54N	179 23W	89.4	198.4	1.135	15.75	31.9	S0312	.03070	8.5668	0.6	V
9003	85260.33	68 53N	179 22W	86.5	198.2	1.135	16.10	32.0	S0312	.03070	8.3605	0.6	A
53 9001	4314.53	59 58N	150 50E	78.6	193.1	1.690	-2.80	40.3	S0312	.03070	9.2105	0.4	F
9002	4317.93	59 56N	150 44E	78.2	193.0	1.484	-3.85	40.3	S0312	.03070	9.3848	0.6	V
9003	4320.93	59 56N	150 44E	79.0	193.0	1.690	-3.85	40.3	S0312	.03070	9.1858	0.6	A
9004	4325.33	59 36N	150 50E	79.0	192.8	1.690	1.75	40.6	S0312	.03070	9.1775	0.8	A
9005	5207.53	1 10S	136 5E	88.1	186.5	3.092	12.25	64.9	S0312	.03070	8.2862	0.6	V
9006	5210.73	1 10S	136 4E	89.5	186.5	3.092	12.60	64.9	S0312	.03070	8.0221	0.6	A
54 5001	9844.53	46 1N	122 31E	81.8	189.4	2.037	-24.15	52.3	S0130	.02210	8.8565	0.8	F
9001	9606.73	62 16N	129 50E	79.0	194.1	1.484	-4.20	38.2	S0312	.04070	9.2848	0.6	V
9002	9610.73	62 0N	129 41E	78.9	193.9	1.484	-4.20	38.4	S0312	.04070	9.2931	0.6	V
9003	9613.73	61 60N	129 40E	79.8	193.8	1.484	-4.20	38.4	S0312	.03070	9.0950	1.2	A
9004	9733.53	53 31N	125 49E	77.2	191.0	2.037	-1.75	46.1	S0312	.03070	9.4083	1.0	F
9005	9739.53	53 28N	125 50E	77.1	190.9	2.037	-0.35	46.1	S0312	.04070	9.4168	0.4	A
9006	9785.33	50 25N	124 14E	77.9	190.2	2.181	-14.00	48.7	S0312	.03070	9.3264	0.4	A
9007	9800.33	49 15N	125 18E	86.5	190.0	2.037	25.90	50.0	S0312	.03070	8.3687	0.4	A
9008	9815.93	47 49N	124 30E	81.0	189.8	2.390	17.50	51.2	S0312	.03070	8.9794	0.2	F
9009	9819.93	47 34N	124 15E	78.8	189.7	2.390	12.60	51.4	S0312	.03070	9.2270	0.6	F
9010	9825.73	47 23N	123 59E	76.2	189.6	2.390	7.00	51.5	S0312	.04070	9.6479	0.8	V
9011	9828.93	47 21N	123 58E	77.1	189.6	2.390	7.35	51.5	S0312	.04070	9.4086	0.4	A
9012	9830.53	47 15N	123 56E	77.1	189.6	2.390	7.35	51.6	S0312	.03070	9.4086	0.6	A
9013	9844.53	46 1N	122 31E	81.9	189.4	2.037	-24.15	52.3	S0312	.03070	8.8556	0.6	F
9014	9850.73	45 46N	122 40E	77.8	189.3	2.181	-17.85	52.6	S0312	.04070	9.4416	0.6	V
9015	9853.53	45 46N	122 40E	78.6	189.3	2.390	-17.85	52.6	S0312	.04070	9.2518	0.6	A
9016	9860.73	45 14N	122 49E	76.1	189.2	2.390	-8.40	53.1	S0312	.04070	9.5571	0.6	A
9017	9878.93	43 37N	122 17E	76.5	189.0	2.390	-11.90	54.4	S0312	.04070	9.4746	0.4	F
9018	9884.33	43 37N	122 21E	76.0	189.0	2.530	-9.10	54.4	S0312	.04070	9.5654	0.4	A
9019	9921.93	40 43N	120 54E	85.7	188.6	2.181	-30.45	56.4	S0312	.03070	8.4265	0.8	F
9020	9924.93	40 43N	120 54E	84.5	188.6	2.181	-30.10	56.4	S0312	.03070	8.6823	0.8	V
9021	9928.33	40 42N	120 52E	85.8	188.5	2.390	-30.80	56.4	S0312	.03070	8.4925	0.4	A
9022	9940.33	39 17N	122 6E	81.6	188.4	2.530	19.95	58.2	S0312	.03070	8.9382	0.8	F
9023	9946.13	38 57N	121 39E	76.5	188.4	2.738	7.70	58.3	S0312	.04070	9.5076	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLF RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
54 9024	9948.73	38 57N	121 38E	75.7	188.4	2.530	8.05	58.3	S0312	.04070	9.7222	0.4	V
9025	9953.33	38 51N	121 23E	75.2	188.3	2.738	0.35	58.2	S0312	.03070	9.6562	0.6	A
9026	9965.13	37 38N	121 24E	77.3	188.2	2.738	10.85	59.3	S0312	.03070	9.4188	0.4	F
9027	9967.73	37 38N	121 24E	76.5	188.2	2.530	11.20	59.3	S0312	.03070	9.6232	0.6	V
9028	9975.53	37 16N	121 47E	85.7	188.2	2.390	26.60	59.8	S0312	.03070	8.4430	0.4	A
9029	9977.53	37 8N	121 45E	86.2	188.2	2.390	26.60	59.9	S0312	.02200	8.4017	1.2	A
9030	9982.93	36 45N	121 34E	85.6	188.1	2.390	25.90	60.2	S0312	.03070	8.4595	0.4	A
9031	9989.93	36 17N	121 23E	82.7	188.1	2.390	22.05	60.4	S0312	.03070	8.7566	0.6	A
9032	10441.53	4 46N	115 1E	87.3	186.5	3.092	15.40	68.0	S0312	.03070	8.3274	0.6	F
9033	10444.53	4 46N	115 1E	86.7	186.5	2.881	16.10	68.0	S0312	.03070	8.4512	0.6	V
55 5001	15441.93	26 53N	97 44E	101.1	187.3	2.181	39.20	66.9	S0130	.01250	7.2387	1.0	F
5002	15445.93	26 48N	97 34E	97.4	187.3	2.390	36.75	67.0	S0130	.01660	7.5028	0.8	F
5003	15450.93	26 44N	97 16E	87.8	187.3	2.390	29.75	66.8	S0130	.01660	8.3777	1.0	V
5004	15454.73	26 18N	97 12E	87.3	187.3	2.390	29.05	66.9	S0130	.01660	8.4190	2.8	V
5005	15460.53	25 54N	97 4E	85.9	187.2	2.390	27.30	67.1	S0130	.01660	8.5593	1.0	V
5006	15466.13	25 44N	97 26E	100.7	187.2	2.181	38.85	67.5	S0130	.01250	7.1892	1.0	A
5007	15475.33	25 7N	96 45E	83.8	187.2	2.530	22.75	67.4	S0130	.01660	8.6501	1.4	A
9001	14874.93	65 58N	111 34E	86.2	196.1	1.338	18.90	34.8	S0312	.03070	8.4017	0.6	A
9002	15067.33	52 56N	103 35E	76.4	190.8	2.037	3.15	46.7	S0312	.03070	9.6232	0.6	V
9003	15070.13	52 56N	103 35E	77.3	190.8	2.037	3.50	46.7	S0312	.03070	9.3921	0.6	A
9004	15226.53	41 54N	99 56E	74.9	188.8	2.530	-2.45	55.9	S0312	.04070	9.6974	0.4	F
9005	15232.33	41 41N	99 54E	74.2	188.7	2.530	1.05	56.1	S0312	.04070	9.9120	0.4	V
9006	15235.13	41 40N	99 58E	75.1	188.7	2.530	1.75	56.1	S0312	.04070	9.6727	0.4	A
9007	15362.73	33 1N	96 59E	82.0	187.7	2.530	-40.10	62.0	S0312	.02200	8.7731	0.4	A
9008	15492.33	23 56N	96 32E	84.9	187.1	2.530	23.10	67.9	S0312	.03070	8.5173	0.6	A
9009	15517.53	21 50N	96 4E	82.2	187.0	2.738	19.60	68.6	S0312	.03070	8.9382	0.6	V
9010	15528.53	22 0N	96 4E	83.7	187.0	2.738	20.30	68.7	S0312	.03070	8.8328	0.6	A
9011	15571.33	14 32N	94 58E	78.0	186.9	3.092	3.15	69.3	S0312	.03070	9.2765	0.6	A
9012	15705.13	9 10N	92 49E	82.2	186.6	3.232	-16.10	68.7	S0312	.02200	8.9134	0.4	V
9013	15708.13	9 10N	92 49E	83.2	186.6	3.439	-16.10	68.7	S0312	.02200	8.7071	0.4	A
56 9001	20139.73	69 36N	90 22E	85.1	199.0	0.787	-15.05	31.3	S0312	.04070	8.4843	0.8	F
9002	20142.73	69 36N	90 20E	84.1	198.8	0.995	-15.40	31.3	S0312	.04070	8.7071	0.6	V
9003	20407.53	51 43N	81 12E	77.6	190.5	2.037	9.80	47.8	S0312	.04070	9.4746	0.4	V
9004	20410.33	51 43N	81 12E	78.6	190.5	2.037	10.15	47.8	S0312	.04070	9.2353	0.6	A
9005	20424.93	50 43N	79 12E	88.5	190.3	1.690	-31.50	48.4	S0312	.03070	8.1706	0.6	F
9006	20426.93	50 34N	79 12E	87.4	190.2	1.690	-31.50	48.4	S0312	.03070	8.3935	0.6	V
9007	20440.13	49 13N	80 54E	85.5	190.0	2.181	24.50	50.1	S0312	.03070	8.5255	0.2	F
9008	20442.33	49 4N	80 52E	85.7	190.0	2.181	24.85	50.2	S0312	.03070	8.5090	0.6	F
9009	20445.33	49 4N	80 52E	84.9	190.0	2.181	25.20	50.2	S0312	.03070	8.6658	0.6	V
9010	20448.53	49 4N	80 51E	85.9	189.9	2.181	25.20	50.2	S0312	.03070	8.4430	0.4	A
9011	20462.73	47 53N	80 26E	84.3	189.7	2.037	24.85	51.2	S0312	.03070	8.7236	0.6	V
9012	20465.93	47 53N	80 26E	85.5	189.7	2.037	25.20	51.3	S0312	.03070	8.4678	0.6	A
9013	20479.93	46 58N	79 41E	78.6	189.5	2.181	12.95	51.9	S0312	.04070	9.2270	0.6	A
9014	20502.13	45 8N	78 29E	75.7	189.4	2.390	-7.70	53.2	S0312	.03070	9.5819	0.6	F
9015	20504.93	45 8N	78 29E	74.8	189.2	2.390	-7.35	53.2	S0312	.03070	9.8212	0.4	V
9016	20506.33	45 2S	78 27E	74.8	189.2	2.390	-7.35	53.3	S0312	.03070	9.8212	0.6	V
9017	20511.53	44 31N	77 59E	78.1	189.2	2.181	-17.50	53.6	S0312	.03070	9.2765	0.6	F
9018	20514.33	44 31N	77 60E	77.0	189.1	2.181	-17.15	53.6	S0312	.04070	9.5324	0.6	V
9019	20515.93	44 25N	77 58E	77.0	189.1	2.181	-17.15	53.7	S0312	.04070	9.5324	0.8	V
9020	20518.93	44 24N	77 57E	77.9	189.1	2.390	-17.15	53.7	S0312	.03070	9.3426	0.8	A
9021	20523.93	43 39N	77 57E	76.6	189.0	2.390	-11.55	54.4	S0312	.04070	9.4746	0.6	F
9022	20531.93	43 22N	77 10E	85.5	188.9	2.037	-31.50	54.4	S0312	.02200	8.5833	0.6	V
9023	20535.13	43 22N	77 9E	86.5	188.9	2.037	-31.50	54.4	S0312	.02200	8.4100	0.6	A
9024	20546.53	42 26N	78 3E	74.9	188.8	2.530	3.50	55.5	S0312	.04070	9.6974	0.4	A
9025	20592.73	39 25N	76 4E	88.6	188.4	2.390	-34.65	57.4	S0312	.02200	8.2202	0.4	A
9026	20611.93	37 54N	77 19E	79.9	188.2	2.390	18.90	59.2	S0312	.03070	9.0537	0.4	A
9027	20664.73	34 6N	74 52E	89.0	187.9	2.181	-35.00	61.2	S0312	.02200	8.1211	1.0	F
9028	20666.93	34 6N	74 52E	87.8	187.9	2.390	-35.00	61.2	S0312	.02200	8.3770	0.8	V
9029	20671.33	34 2N	74 47E	90.2	187.8	2.390	-36.40	61.2	S0312	.02200	8.0799	1.2	A
9030	20681.53	32 52N	74 37E	89.1	187.8	2.181	-34.65	62.0	S0312	.02200	8.1129	0.8	F
9031	20684.73	32 52N	74 37E	87.8	187.7	2.390	-34.65	62.0	S0312	.02200	8.3605	0.8	V
9032	20689.53	32 42N	74 36E	87.6	187.7	2.390	-33.95	62.2	S0312	.02200	8.3852	0.4	V
9033	20692.73	32 32N	74 34E	88.3	187.7	2.390	-33.60	62.2	S0312	.02200	8.2449	0.4	A
9034	20700.73	31 33N	74 23E	88.4	187.6	2.390	-33.60	62.8	S0312	.02200	8.1871	0.6	F
9035	20703.93	31 32N	74 23E	87.0	187.6	2.390	-33.25	62.9	S0312	.02200	8.4430	0.6	V
9036	20709.13	30 57N	74 37E	80.3	187.6	2.738	-22.75	63.4	S0312	.02200	9.0207	0.6	F
9037	20712.13	30 56N	74 36E	79.3	187.6	2.738	-22.40	63.4	S0312	.02200	9.2683	0.6	V
9038	20721.13	30 17N	74 46E	75.5	187.5	2.881	-11.90	64.0	S0312	.03070	9.7305	0.6	V
9039	20723.93	30 17N	74 45E	76.3	187.5	2.881	-11.55	64.0	S0312	.02200	9.5159	0.6	A
9040	20737.73	29 26N	73 55E	88.6	187.5	2.738	-33.95	64.1	S0312	.02200	8.2119	1.4	A
9041	20872.53	19 51N	72 40E	77.7	186.9	3.092	-13.30	68.6	S0312	.03070	9.4416	0.6	V
9042	20875.33	19 51N	72 40E	78.6	186.9	3.092	-12.95	68.6	S0312	.03070	9.2270	0.6	A
9043	20881.33	19 1N	72 52E	77.7	186.9	3.092	1.05	69.1	S0312	.04070	9.3508	1.0	F
9044	20884.53	18 59N	72 51E	77.0	186.9	3.092	1.40	69.1	S0312	.04070	9.5406	1.0	V
9045	20887.93	18 57N	72 51E	78.0	186.9	3.092	1.75	69.2	S0312	.04070	9.2848	0.6	A
57 5001	25631.73	58 16N	60 41E	80.8	192.5	1.690	-15.75	41.8	S0130	.02210	8.9555	0.8	F
9001	25631.93	58 15N	60 41E	80.8	192.4	1.690	-15.75	41.8	S0312	.03070	8.9547	0.6	F
9002	25636.73	57 58N	60 7E	85.1	192.3	1.484	-24.50	42.0	S0312	.03070	8.4843	0.8	F
9003	25639.73	57 58N	60 7E	83.9	192.3	1.484	-24.15	42.0	S0312	.03070	8.7401	1.8	V
9004	25644.13	57 52N	60 5E	84.7	192.2	1.690	-24.15	42.1	S0312	.03070	8.5833	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
57 9005	25651.33	56 53N	60 39E	77.9	192.0	1.826	-2.45	43.2	SO312	.03070	9.3013	0.6	F
9006	25654.13	56 53N	60 38E	77.8	191.9	1.826	-2.45	43.2	SO312	.03070	9.5406	1.8	V
9007	25658.13	56 48N	60 36E	77.8	191.9	1.826	-2.10	43.2	SO312	.03070	9.3261	0.6	A
9008	25663.13	56 14N	60 39E	77.3	191.7	1.826	4.55	43.8	SO312	.04070	9.4994	0.8	V
9009	25666.13	56 14N	60 39E	78.2	191.7	1.826	4.90	43.8	SO312	.04070	9.2765	0.8	A
9010	25672.33	55 26N	60 13E	77.8	191.6	2.037	2.10	44.5	SO312	.04070	9.4261	0.8	F
9011	25679.53	55 8N	60 10E	77.0	191.4	2.037	4.20	44.8	SO312	.04070	9.5324	0.6	V
9012	25682.33	55 8N	60 10E	77.9	191.4	2.037	4.55	44.8	SO312	.04070	9.3096	1.4	A
9013	25702.73	53 23N	59 19E	77.1	191.0	2.037	0.35	46.3	SO312	.03070	9.4168	0.6	F
9014	25705.53	53 23N	59 19E	76.2	190.9	2.037	0.70	46.3	SO312	.03070	9.6397	0.8	V
9015	25708.73	53 21N	59 19E	77.0	190.9	2.037	1.05	46.3	SO312	.04070	9.4251	0.4	A
9016	25718.33	52 37N	59 06E	85.4	190.7	1.826	23.80	47.1	SO312	.04070	8.4925	0.6	A
9017	25733.33	51 18N	58 37E	76.6	190.5	2.181	2.10	48.1	SO312	.04070	9.4499	0.4	F
9018	25735.93	51 19N	58 37E	76.0	190.4	2.181	2.45	48.1	SO312	.04070	9.6727	0.6	V
9019	25739.73	51 15N	58 28E	76.6	190.4	2.181	-0.70	48.1	SO312	.04070	9.4829	0.6	A
9020	25753.53	50 17N	58 26E	77.6	190.2	2.181	8.05	49.0	SO312	.04070	9.3591	0.4	A
9021	25772.53	48 35N	58 4E	79.0	189.9	2.181	12.95	50.6	SO312	.04070	9.2188	0.4	F
9022	25775.33	48 35N	58 4E	78.2	189.9	2.181	13.30	50.6	SO312	.04070	9.4066	1.2	V
9023	25778.93	48 32N	58 3E	79.2	189.8	2.181	13.65	50.6	SO312	.04070	9.1610	0.4	A
9024	26045.53	29 52N	53 9E	77.5	187.5	2.738	13.30	64.7	SO312	.03070	9.4003	0.8	F
9025	26053.33	29 34N	52 36E	74.1	187.5	2.881	-5.60	64.6	SO312	.02200	9.9203	0.8	V
9026	26070.93	28 29N	53 9E	84.5	187.4	2.390	24.50	65.7	SO312	.03070	8.5503	0.8	A
9027	26115.33	25 20N	51 30E	77.0	187.2	2.881	-14.70	66.6	SO312	.03070	9.5241	0.4	V
9028	26118.13	25 20N	51 30E	78.0	187.2	3.092	-14.70	66.6	SO312	.03070	9.3176	0.4	A
58 5001	30979.13	56 29S	38 6E	78.1	191.9	1.826	-7.35	43.5	SO130	.02210	9.2857	0.6	F
5002	30983.73	56 9N	38 13E	77.8	191.8	1.826	-1.05	43.8	SO130	.02210	9.3167	0.8	F
5003	30986.73	56 8N	38 13E	76.9	191.7	1.826	-0.70	43.9	SO130	.02210	9.5498	0.6	V
5004	30991.33	55 37N	38 10E	77.9	191.6	2.037	3.15	44.3	SO130	.02210	9.3104	1.2	F
5005	30996.93	55 37N	38 9E	78.0	191.5	2.037	3.50	44.4	SO130	.02210	9.3104	1.4	A
5006	31111.13	47 54N	35 12E	76.2	189.7	2.390	0.35	51.1	SO130	.02210	9.5416	0.8	A
9001	30863.33	64 24N	40 43E	94.4	195.2	0.787	-32.20	36.1	SO312	.03070	7.6072	0.6	F
9002	30866.73	64 24N	40 44E	93.0	195.0	0.995	-32.20	36.1	SO312	.03070	7.8735	0.4	V
9003	30870.33	64 23N	40 45E	93.3	194.9	0.995	-31.50	36.2	SO312	.03070	7.7828	0.6	A
9004	30877.73	63 25N	40 24E	90.5	194.7	0.995	-28.70	37.1	SO312	.03070	7.9806	0.8	F
9005	30880.93	63 25N	40 25E	89.0	194.5	0.995	-28.35	37.1	SO312	.03070	8.2284	0.8	V
9006	30887.33	62 54N	40 52E	81.6	194.3	1.338	-16.45	37.6	SO312	.03070	8.9794	0.6	V
9007	30890.33	62 54N	40 52E	82.4	194.2	1.338	-16.10	37.6	SO312	.03070	8.8144	0.6	A
9008	30902.73	61 39N	40 23E	80.7	193.8	1.484	-12.25	38.8	SO312	.03070	8.9629	0.4	F
9009	30905.53	61 40N	40 24E	79.6	193.7	1.484	-11.90	38.8	SO312	.03070	9.2023	0.4	V
9010	30908.73	61 39N	40 19E	80.9	193.7	1.484	-13.30	38.8	SO312	.03070	8.9712	0.6	A
9011	30979.33	56 28S	38 6E	78.1	191.9	1.826	-7.35	43.5	SO312	.04070	9.2848	0.6	F
9012	30983.93	56 8N	38 12E	77.8	191.8	1.826	-1.05	43.9	SO312	.04070	9.3178	0.6	F
9013	30986.73	56 8N	38 12E	76.9	191.7	1.826	-0.70	43.9	SO312	.04070	9.5489	0.6	V
9014	30991.53	55 36N	38 9E	77.9	191.6	2.037	3.15	44.4	SO312	.04070	9.3096	1.0	F
9015	30997.13	55 36N	38 9E	77.9	191.5	2.037	3.50	44.4	SO312	.04070	9.3096	1.0	A
9016	31002.33	55 5N	37 41E	76.6	191.4	1.826	-2.80	44.8	SO312	.04070	9.5819	0.4	V
9017	31005.13	55 5N	37 41E	77.5	191.3	2.037	-2.80	44.8	SO312	.04070	9.3756	0.4	A
9018	31084.13	49 38N	34 29E	88.8	190.0	1.690	-33.25	49.2	SO312	.03070	8.2614	0.4	V
9019	31087.33	49 39N	34 29E	89.5	190.0	1.690	-32.90	49.2	SO312	.03070	8.1376	0.6	A
9020	31108.33	47 51N	35 12E	75.2	189.7	2.181	0.35	51.1	SO312	.04070	9.7635	0.6	V
9021	31111.13	47 51N	35 12E	76.1	189.7	2.390	0.35	51.1	SO312	.04070	9.5406	0.6	A
9022	31136.33	45 52N	35 16E	81.2	189.4	2.181	20.30	52.9	SO312	.03070	9.0620	0.6	V
9023	31139.33	45 52N	35 16E	82.4	189.3	2.181	20.65	53.0	SO312	.03070	8.8061	0.6	A
9024	31145.93	45 11N	35 12E	83.5	189.3	2.181	23.80	53.5	SO312	.03070	8.8144	0.8	V
9025	31148.93	45 12N	35 12E	84.7	189.2	2.181	24.15	53.5	SO312	.03070	8.5585	0.8	A
9026	31160.53	44 33N	33 35E	79.0	189.1	2.390	-19.25	53.6	SO312	.04070	9.2023	0.4	A
9027	31224.13	39 56N	32 52E	74.0	188.5	2.530	-3.50	57.5	SO312	.04070	9.9368	0.4	V
9028	31226.93	39 56N	32 51E	74.8	188.5	2.530	-3.15	57.5	SO312	.03070	9.7057	0.4	A
9029	31353.13	30 59N	31 26E	81.6	187.6	2.530	21.00	64.1	SO312	.02200	9.0207	0.8	V
9030	31356.13	30 60N	31 26E	82.4	187.6	2.530	21.35	64.1	SO312	.01650	8.7401	0.8	A
9031	31362.73	30 6N	31 25E	86.1	187.5	2.530	25.90	64.8	SO312	.03070	8.4843	0.8	F
9032	31365.73	30 6N	31 24E	85.2	187.5	2.530	25.90	64.8	SO312	.03070	8.6411	0.8	V
9033	31369.53	29 51N	31 20E	85.0	187.5	2.530	25.55	64.9	SO312	.02200	8.6576	0.6	V
9034	31372.53	29 51N	31 20E	86.3	187.5	2.530	25.90	64.9	SO312	.02200	8.3852	0.8	A
9035	31378.53	29 15N	31 2E	81.3	187.5	2.530	20.30	65.2	SO312	.02200	9.0455	0.8	V
9036	31381.53	29 15N	31 2E	82.6	187.5	2.530	20.65	65.2	SO312	.01650	8.7649	0.8	A
9037	31409.33	27 4N	31 1E	93.4	187.3	2.181	33.95	66.7	SO312	.01650	7.8818	0.8	V
9038	31412.73	27 5N	31 1E	95.0	187.3	2.181	34.30	66.7	SO312	.01650	7.6094	0.8	A
9039	31428.93	25 31N	30 36E	91.6	187.2	2.530	30.80	67.5	SO312	.01650	7.9808	1.0	F
9040	31432.13	25 31N	30 36E	91.0	187.2	2.530	31.15	67.5	SO312	.01650	8.0881	1.0	V
9041	31957.93	10 22S	23 28E	93.8	186.6	3.092	7.35	58.5	SO312	.03070	7.6342	0.6	A
9042	31971.33	11 29S	23 2E	91.7	186.6	3.232	-1.75	57.5	SO312	.03070	7.9313	0.8	V
9043	31974.73	11 29S	23 2E	93.1	186.7	3.232	-1.40	57.5	SO312	.03070	7.7002	0.8	A
9044	31994.73	12 51S	22 47E	94.1	186.7	3.232	-1.40	56.5	SO312	.03070	7.6094	1.4	A
9045	32283.93	32 56S	18 10E	115.5	187.7	2.881	-18.55	39.0	SO312	.03070	6.1652	0.8	F
9046	32287.93	32 56S	18 10E	114.3	187.8	2.881	-18.20	39.0	SO312	.03070	6.2972	1.0	V
9047	32293.93	33 39S	18 27E	112.1	187.8	2.881	-7.70	38.5	SO312	.03070	6.3632	0.6	F
9048	32298.13	33 40S	18 26E	111.1	187.8	2.881	-7.35	38.5	SO312	.03070	6.4788	0.4	V
9049	32303.13	34 3S	18 46E	111.7	187.9	2.530	3.50	38.4	SO312	.03070	6.4458	0.6	V
9050	32307.33	34 3S	18 46E	113.4	187.9	2.530	3.85	38.4	SO312	.03070	6.2477	0.6	A
59 9001	36346.93	53 17N	14 57E	77.2	191.0	2.037	0.70	46.4	SO312	.04070	9.4086	0.6	F
9002	36349.73	53 17N	14 57E	76.3	190.9	2.037	1.05	46.4	SO312	.04070	9.6314	0.6	V
9003	36357.33	52 40N	13 47E	82.6	190.8	1.826	-23.10	46.8	SO312	.04070	8.7484	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
59 9004	36360.33	52 39N	13 47E	81.5	190.7	1.826	-22.75	46.8	SO312	.04070	9.0042	0.8	V
9005	36366.33	52 2N	13 47E	79.8	190.6	1.826	-17.50	47.4	SO312	.04070	9.0702	0.6	F
9006	36369.13	52 2N	13 47E	78.8	190.6	2.037	-17.50	47.4	SO312	.04070	9.4261	0.6	V
9007	36374.73	51 38N	13 46E	77.7	190.5	2.037	-14.70	47.7	SO312	.04070	9.4581	0.6	V
9008	36377.73	51 38N	13 45E	78.5	190.4	2.037	-14.35	47.7	SO312	.04070	9.2683	0.8	A
9009	36387.73	50 36N	14 42E	81.8	190.3	2.037	20.30	48.4	SO312	.04070	8.9794	0.6	V
9010	36390.73	50 37N	14 42E	82.9	190.2	2.037	20.65	48.9	SO312	.03070	8.7318	0.6	A
9011	36395.13	50 7N	14 24E	80.2	190.2	2.037	17.50	49.3	SO312	.04070	9.1610	0.8	V
9012	36398.13	50 7N	14 23E	81.1	190.1	2.037	17.50	49.3	SO312	.04070	8.9382	0.6	A
9013	36401.93	49 52N	14 10E	79.2	190.1	2.037	14.00	49.5	SO312	.04070	9.1527	0.6	A
9014	36409.13	49 8N	14 20E	84.4	190.0	2.037	24.50	50.2	SO312	.03070	8.7153	1.0	V
9015	36412.33	49 8N	14 20E	85.5	189.9	2.037	24.85	50.2	SO312	.03070	8.4678	0.8	A
61 9001	47877.73	7 48S	41 57W	104.5	186.6	2.390	28.35	60.9	SO312	.02200	6.9575	1.4	V
9002	47904.13	9 32S	42 59W	91.1	186.6	3.232	3.15	59.0	SO312	.03070	7.9891	1.2	V
9003	47915.13	10 5S	42 25W	105.9	186.6	2.390	26.60	59.1	SO312	.02200	6.7264	1.4	A
9004	47922.73	11 3S	43 8W	94.0	186.6	3.092	7.00	58.0	SO312	.03070	7.6755	1.4	F
9005	47954.13	13 13S	43 25W	97.0	186.7	3.092	10.85	56.4	SO312	.03070	7.4361	1.4	F
9006	47972.13	14 21S	44 22W	97.1	186.7	3.439	-15.40	55.0	SO312	.03070	7.3949	1.4	F
9007	47984.33	15 18S	43 40W	100.2	186.7	2.881	14.35	54.8	SO312	.03070	7.1968	1.4	F
9008	47994.53	15 26S	44 22W	96.6	186.8	3.439	-8.05	54.2	SO312	.03070	7.4031	1.4	A
62 9001	53341.73	17 23S	66 10W	102.5	186.8	2.738	17.15	53.1	SO312	.03070	6.9492	0.4	A
9002	53559.33	32 40S	69 21W	112.9	187.7	2.530	9.10	39.7	SO312	.03070	6.3302	0.6	F
9003	53568.33	32 53S	70 21W	112.4	187.8	3.092	-15.05	39.0	SO312	.03070	6.4045	0.6	V
9004	53572.53	33 26S	70 37W	115.6	187.8	2.881	-18.90	38.5	SO312	.03070	6.1652	0.6	F
9005	53577.13	33 26S	70 56W	119.0	187.8	3.092	-25.90	38.3	SO312	.03070	6.0496	0.6	V
9006	53581.53	33 25S	70 55W	120.2	187.8	3.092	-25.20	38.3	SO312	.03070	5.9176	0.6	A
9007	53584.73	33 39S	70 57W	120.5	187.9	3.092	-24.50	38.2	SO312	.03070	5.9011	0.4	A
9008	53591.73	34 10S	70 45W	116.3	187.9	3.092	-17.15	37.8	SO312	.02200	6.1074	0.6	A
9009	53603.93	35 26S	69 34W	119.6	188.0	2.181	18.90	37.3	SO312	.02200	6.0166	0.6	V
9010	53608.53	35 27S	69 34W	121.7	188.0	2.181	19.25	37.3	SO312	.02200	5.8020	0.6	A
9011	53700.93	41 24S	73 4W	129.9	188.7	2.881	-25.55	31.0	SO312	.02200	5.4389	1.4	A
9012	53757.53	45 22S	72 39W	124.4	189.3	2.181	5.95	28.0	SO312	.03070	5.6535	1.0	A
63 9001	58066.13	23 10N	82 17W	85.1	187.1	2.738	-28.35	67.3	SO312	.03070	8.5008	2.0	F
9002	58070.53	23 4N	82 19W	84.2	187.1	2.738	-28.35	67.4	SO312	.03070	8.7153	1.6	V
9003	58078.13	22 46N	82 27W	86.9	187.0	2.881	-30.45	67.4	SO312	.03070	8.3522	0.4	A
9004	58199.93	14 5N	83 22W	78.4	186.7	3.232	-4.90	69.6	SO312	.03070	9.3508	0.8	V
9005	58203.33	14 2N	83 22W	79.4	186.7	3.232	-4.20	69.6	SO312	.04070	9.1115	0.6	A
70 9001	8211.13	69 28N	139 53E	83.0	196.5	3.995	-16.80	31.7	SO312	.03070	8.7318	0.8	A
9002	8491.13	50 13N	129 31E	78.0	190.2	2.037	-16.10	49.2	SO312	.02200	9.2931	0.8	F
9003	8494.53	50 11N	129 28E	77.3	190.2	2.037	-16.80	49.2	SO312	.02200	9.4994	0.6	V
9004	8497.33	50 11N	129 28E	78.0	190.1	2.037	-16.45	49.2	SO312	.02200	9.3178	1.8	A
9005	8502.33	49 50N	129 24E	77.5	190.0	2.037	-15.05	49.5	SO312	.03070	9.3756	1.2	A
9006	8519.93	48 37N	129 8E	76.2	189.8	2.181	-11.90	50.6	SO312	.02200	9.5324	0.4	A
9007	8551.13	46 26N	128 53E	75.3	189.4	2.390	1.05	52.5	SO312	.03070	9.6479	0.6	A
9008	8567.73	45 10N	128 1E	75.9	189.2	2.390	-14.70	53.4	SO312	.03070	9.6727	0.6	V
9009	8572.53	44 60N	128 12E	74.9	189.2	2.390	-7.35	53.6	SO312	.03070	9.6974	0.4	A
9010	8578.73	44 39N	127 30E	81.5	189.1	2.181	-25.20	53.7	SO312	.03070	8.9382	0.4	A
9011	8588.53	43 46N	127 22E	79.1	189.0	2.181	-22.75	54.5	SO312	.03070	9.2931	0.6	V
9012	8606.33	42 22N	126 54E	81.4	188.8	2.181	-25.55	55.6	SO312	.03070	8.8804	1.2	F
9013	8609.73	42 19N	126 54E	80.2	188.8	2.181	-25.20	55.6	SO312	.03070	9.1445	1.0	V
9014	8612.93	42 18N	126 54E	80.8	188.8	2.390	-24.85	55.6	SO312	.03070	9.0124	0.8	A
9015	8623.33	41 12N	126 23E	86.1	188.7	2.037	-31.50	56.4	SO312	.02200	8.3935	1.2	F
9016	8629.33	40 47N	126 33E	80.5	188.6	2.390	-24.15	56.8	SO312	.03070	8.9877	0.6	F
9017	8632.13	40 47N	126 33E	79.4	188.6	2.390	-23.80	56.8	SO312	.03070	9.2518	0.6	V
9018	8637.13	40 39N	126 26E	81.6	188.5	2.390	-25.90	56.9	SO312	.03070	8.9217	1.0	A
9019	8643.13	39 50N	126 18E	81.0	188.5	2.390	-24.85	57.5	SO312	.02200	8.9299	1.0	F
9020	8646.53	39 48N	126 18E	79.7	188.5	2.390	-24.15	57.6	SO312	.03070	9.2105	0.8	V
9021	8652.33	39 27N	125 45E	90.2	188.4	2.181	-36.75	57.6	SO312	.02200	8.1541	0.8	V
9022	8654.53	39 18N	125 42E	90.2	188.4	2.181	-36.75	57.7	SO312	.02200	8.1541	0.4	V
9023	8657.73	39 18N	125 43E	90.9	188.4	2.181	-36.40	57.7	SO312	.02200	8.0303	0.4	A
9024	8669.13	38 1N	126 19E	75.3	188.3	2.530	-9.80	59.1	SO312	.03070	9.6232	0.4	F
9025	8671.73	38 1N	126 19E	74.4	188.3	2.530	-9.45	59.1	SO312	.03070	9.8708	0.4	V
9026	8675.13	37 58N	126 22E	75.1	188.2	2.738	-7.00	59.2	SO312	.03070	9.6727	1.4	A
9027	8737.93	33 33N	126 31E	92.3	187.8	2.181	32.90	62.9	SO312	.02200	7.8405	1.2	A
9028	9295.93	5 7S	119 25E	113.4	186.5	2.181	36.40	62.9	SO312	.02200	6.4210	0.6	V
9029	9300.33	5 7S	119 25E	115.7	186.5	2.181	36.75	62.9	SO312	.02200	6.1734	0.6	A
71 5001	14215.73	22 7N	99 56E	94.7	187.0	2.530	-38.50	67.6	SO130	.01660	7.6101	1.2	F
5002	14222.73	22 7N	99 53E	96.8	187.0	2.738	-40.25	67.5	SO130	.01660	7.5276	1.2	A
5003	14228.33	21 27N	100 1E	87.7	187.0	2.738	-33.25	67.9	SO130	.01660	8.3612	1.0	V
5004	14236.13	20 42N	99 36E	99.0	187.0	2.530	-41.30	67.9	SO130	.01250	7.2717	2.8	F
5005	14241.73	20 34N	99 30E	100.0	186.9	2.530	-42.70	67.9	SO130	.01660	7.3130	1.0	V
5006	14246.13	20 31N	99 31E	99.9	186.9	2.738	-41.65	67.9	SO130	.01250	7.2965	1.2	A
5007	14257.13	19 25N	100 5E	78.6	186.9	3.092	-17.50	68.8	SO130	.01660	9.3435	1.2	V
5008	14263.53	18 48N	99 48E	83.0	186.9	3.092	-24.85	68.8	SO130	.01660	8.7162	1.2	F
9001	13473.53	72 36N	122 8E	81.0	202.1	0.787	-7.00	28.7	SO312	.03070	9.0372	0.6	V
9002	13476.53	72 36N	122 7E	81.8	201.9	0.787	-7.00	28.7	SO312	.03070	8.8474	0.6	A
9003	13784.73	51 53N	107 45E	78.9	190.5	1.826	-20.30	47.7	SO312	.04070	9.2931	0.6	V

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 CONTINUED INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT HRS	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
71 9004	13787.73	51 52S	107 44E	79.9	190.5	2.037	-20.65	47.7	SO312	.04070	9.1032	0.6	A
9005	13804.53	50 34S	106 46E	81.2	190.2	2.037	-20.30	49.2	SO312	.03070	8.9217	0.4	A
9006	13838.43	47 56S	107 0E	74.8	189.7	2.181	-5.60	51.2	SO312	.03070	9.6974	0.4	F
9007	13841.53	47 57S	106 60E	73.9	189.7	2.181	-5.60	51.2	SO312	.03070	9.9368	0.6	V
9008	13848.73	47 23S	107 28E	76.8	189.6	2.181	14.00	51.9	SO312	.03070	9.5737	0.6	V
9009	13851.53	47 23S	107 28E	77.8	189.6	2.181	14.35	51.9	SO312	.03070	9.3178	0.6	A
9010	13876.33	45 46S	106 14E	74.8	189.3	2.390	-8.40	53.0	SO312	.03070	9.7140	0.6	A
9011	14124.13	28 20S	102 25E	75.7	187.4	2.881	5.60	65.7	SO312	.03070	9.6149	0.4	F
9012	14126.73	28 20S	102 25E	75.0	187.4	2.881	5.95	65.7	SO312	.03070	9.8047	0.4	V
9013	14132.93	27 55S	102 15E	74.5	187.4	2.881	2.80	65.9	SO312	.03070	9.8708	0.6	V
9014	14135.73	27 55S	102 15E	75.5	187.4	2.881	3.15	65.9	SO312	.03070	9.6067	0.6	A
9015	14159.33	26 2S	102 28E	84.2	187.2	2.530	25.55	67.3	SO312	.03070	8.7318	0.4	V
9016	14162.53	26 1S	102 28E	85.6	187.2	2.530	25.90	67.3	SO312	.03070	8.4512	0.4	A
9017	14168.73	25 23S	102 14E	82.0	187.2	2.530	22.05	67.5	SO312	.03070	8.9629	0.4	V
9018	14171.73	25 24S	102 14E	83.3	187.2	2.530	22.40	67.5	SO312	.03070	8.6823	0.4	A
9019	14203.33	22 54S	101 0E	76.0	187.1	3.092	-8.05	68.8	SO312	.03070	9.5571	1.8	F
9020	14361.93	11 50S	99 49E	91.7	186.7	2.738	25.90	70.3	SO312	.02200	7.9313	1.4	F
72 9001	19198.74	44 43S	84 46E	81.9	189.2	2.390	21.00	54.2	SO312	.03070	8.8969	0.6	F
9002	19223.34	43 29S	83 55E	75.3	188.9	2.390	7.00	55.1	SO312	.03070	9.6314	0.8	A
9003	19310.14	37 5S	82 44E	82.0	188.2	2.530	22.40	60.2	SO312	.03070	8.8867	0.8	F
9004	19437.94	28 27S	79 27E	82.9	187.4	2.738	-26.60	65.1	SO312	.02200	8.7319	1.0	F
9005	19444.94	28 26S	80 25E	85.8	187.3	2.738	24.50	67.1	SO312	.03070	8.4925	0.8	F
9006	19467.94	26 26S	80 24E	85.0	187.3	2.530	24.85	67.1	SO312	.03070	8.6493	0.8	V
9007	19598.54	17 40S	78 25E	82.4	186.8	2.881	15.40	69.9	SO312	.03070	8.7649	1.4	A
9008	19600.74	17 38S	77 43E	86.5	186.7	2.738	19.95	70.7	SO312	.03070	8.3192	0.6	A
9009	19706.74	10 6S	76 18E	82.1	186.6	3.232	-15.40	69.0	SO312	.03070	8.9052	0.6	V
9010	19709.74	10 6S	76 18E	83.1	186.6	3.439	-15.40	69.0	SO312	.03070	8.6988	0.6	A
73 9001	24088.14	73 32S	80 34E	82.6	203.4	3.787	8.05	27.8	SO312	.05390	8.7731	0.6	A
9002	24332.94	57 6S	65 46E	78.7	192.1	1.690	-14.00	43.2	SO312	.03070	9.2105	0.4	F
9003	24338.34	56 55S	65 51E	78.6	191.9	1.826	-9.80	43.4	SO312	.03070	9.5819	0.6	V
9004	24359.34	55 29S	65 21E	75.9	191.5	1.826	-7.00	44.7	SO312	.04070	9.6727	0.6	V
9005	24362.14	55 29S	65 20E	76.7	191.4	1.826	-7.00	44.7	SO312	.04070	9.4581	0.6	A
9006	24401.74	52 25S	64 4E	76.7	190.7	2.037	-10.15	47.4	SO312	.04070	9.4581	0.6	F
9007	24492.94	46 5S	62 58E	80.7	189.4	2.181	18.90	53.1	SO312	.03070	9.0290	0.4	F
9008	24495.74	46 5S	62 57E	79.8	189.4	2.181	18.90	53.1	SO312	.03070	9.2188	0.4	V
9009	24498.54	46 6S	62 57E	80.7	189.4	2.181	18.90	53.1	SO312	.03070	8.9794	1.6	A
74 9001	29674.94	54 57S	43 20E	75.5	191.4	2.037	1.40	45.3	SO130	.02210	9.7231	1.4	V
9001	29588.94	61 15S	46 38E	78.6	193.5	1.690	7.00	39.6	SO312	.03070	9.2270	0.6	A
9002	29627.54	58 19S	44 46E	77.0	192.5	1.826	-0.35	42.2	SO312	.03070	9.4168	0.6	F
9003	29635.14	58 17S	43 51E	81.0	192.3	1.690	-19.95	42.1	SO312	.03070	8.9629	0.6	A
9004	29648.94	56 49S	44 32E	78.6	192.0	1.826	10.50	43.7	SO312	.04070	9.2518	0.4	F
9005	29656.14	56 23S	43 54E	76.6	191.8	1.826	0.00	44.0	SO312	.05390	9.4664	0.6	F
9006	29658.94	56 23S	43 53E	75.7	191.8	1.826	0.00	44.0	SO312	.05390	9.6974	1.4	V
9007	29662.54	56 19S	43 51E	76.6	191.7	1.826	0.00	44.0	SO312	.04070	9.4746	0.6	A
9008	29668.74	55 51S	44 11E	79.1	191.6	1.826	12.95	44.5	SO312	.04070	9.1693	0.6	A
9009	29673.74	55 7S	43 58E	79.8	191.5	2.037	14.70	45.2	SO312	.04070	9.1115	0.4	F
9010	29680.14	54 56S	43 20E	75.5	191.3	2.037	1.40	45.3	SO312	.04070	9.7222	1.2	V
9011	29683.54	54 54S	43 18E	76.4	191.3	2.037	1.40	45.3	SO312	.04070	9.4994	0.6	A
9012	29696.14	53 48S	43 20E	78.0	191.1	2.037	13.30	46.4	SO312	.02200	9.4086	0.4	V
9013	29702.54	53 31S	43 41E	85.0	190.9	1.826	24.50	46.7	SO312	.04070	8.5255	0.6	A
9014	29715.74	52 37S	41 32E	79.8	190.7	1.826	-21.70	47.2	SO312	.04070	9.1858	0.6	V
9015	29718.54	52 37S	41 32E	80.7	190.7	2.037	-21.70	47.1	SO312	.04070	9.0124	0.6	A
9016	29732.54	51 23S	41 56E	74.9	190.4	2.037	0.70	48.4	SO312	.04070	9.8047	0.6	V
9017	29735.34	51 23S	41 56E	75.8	190.4	2.037	0.70	48.4	SO312	.04070	9.5819	0.6	A
9018	29954.74	36 8S	37 57E	77.3	188.1	2.530	14.00	60.9	SO312	.02200	9.5159	1.0	V
9019	29967.94	35 8S	36 43E	79.8	186.0	2.530	-22.40	61.1	SO312	.02200	9.0702	0.8	F
9020	29974.74	34 40S	36 47E	77.3	187.9	2.738	-17.15	61.5	SO312	.02200	9.3838	1.2	F
9021	29980.34	34 39S	36 47E	77.0	187.9	2.738	-16.10	61.5	SO312	.02200	9.4416	1.0	A
9022	29991.14	33 33S	36 24E	79.3	187.8	2.738	-21.70	62.2	SO312	.02200	9.1362	1.8	F
9023	29998.14	33 28S	36 16E	81.1	187.8	2.738	-24.50	62.2	SO312	.03070	8.9712	1.0	A
9024	30003.94	32 53S	36 1E	83.1	187.7	2.530	-29.05	62.5	SO312	.03070	8.8226	0.6	V
9025	30007.14	32 52S	36 0E	84.0	187.7	2.738	-29.05	62.5	SO312	.03070	8.6658	0.4	A
9026	30016.74	31 59S	36 0E	79.1	187.7	2.738	-23.10	63.1	SO312	.03070	9.2765	0.6	V
9027	30064.14	28 21S	36 34E	85.8	187.4	2.530	25.55	66.1	SO312	.03070	8.5090	0.6	F
9028	30067.14	28 22S	36 33E	84.9	187.4	2.530	25.55	66.1	SO312	.03070	8.6576	1.2	V
9029	30070.94	28 19S	36 32E	86.3	187.4	2.530	25.90	66.2	SO312	.03070	8.3770	0.6	A
9030	30596.54	7 54S	28 33E	97.3	186.6	3.232	-25.55	59.5	SO312	.03070	7.4691	1.0	V
9031	30600.14	7 54S	28 32E	98.5	186.6	3.439	-25.55	59.5	SO312	.02200	7.3123	1.0	A
9032	30670.14	13 4S	28 46E	98.0	186.7	2.881	15.05	56.4	SO312	.03070	7.4114	0.8	V
9033	30673.74	13 4S	28 46E	99.6	186.7	2.881	15.40	56.4	SO312	.03070	7.1720	0.8	A
9034	30680.94	13 48S	28 36E	97.8	186.7	2.881	13.65	55.8	SO312	.03070	7.4279	0.6	V
9035	30684.54	13 48S	28 36E	99.4	186.7	2.881	14.00	55.8	SO312	.03070	7.1803	0.6	A
9036	30689.34	14 22S	28 29E	98.1	186.7	2.881	13.30	55.3	SO312	.03070	7.4031	0.8	V
9037	30692.94	14 22S	28 30E	99.9	186.7	2.881	14.00	55.4	SO312	.03070	7.1390	0.8	A
9038	30700.94	15 25S	28 19E	100.3	186.7	2.881	13.30	54.5	SO312	.03070	7.1885	0.8	F
9039	30704.54	15 25S	28 19E	99.5	186.8	2.881	13.65	54.5	SO312	.03070	7.2876	0.8	V
9040	30835.94	24 32S	25 56E	103.5	187.1	3.092	-8.05	46.4	SO312	.03070	6.9162	2.2	F
9041	30841.34	24 39S	25 55E	102.6	187.2	3.092	-7.35	46.3	SO312	.03070	7.0482	0.4	V
9042	30849.74	25 31S	26 5E	104.2	187.2	2.881	2.45	45.7	SO312	.03070	6.8749	0.8	F
9043	30853.54	25 31S	26 5E	103.3	187.2	2.881	2.80	45.7	SO312	.03070	6.9905	0.6	V
9044	30860.14	25 41S	25 53E	104.5	187.2	3.092	-1.75	45.5	SO312	.03070	6.8089	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
74 9045	30904.74	29 5S	26 12E	119.1	187.4	2.181	24.85	43.0	SO312	.03070	6.0579	0.8	V
9046	30909.14	29 4S	26 12E	121.3	187.5	2.181	25.20	43.0	SO312	.03070	5.8350	0.8	A
75 9001	34569.34	81 10N	64 28E	88.4	230.7	0.438	15.40	19.1	SO312	.04070	8.1789	0.8	F
9002	34572.54	81 10N	64 26E	87.3	229.6	0.438	15.40	19.1	SO312	.04070	8.3852	0.8	V
9003	34969.94	56 29N	21 51E	75.8	191.8	1.826	1.40	43.9	SO312	.04070	9.6974	0.6	V
9004	34972.74	56 29N	21 51E	76.6	191.8	1.826	1.40	43.9	SO312	.04070	9.4746	0.6	A
9005	34979.74	56 1N	21 41E	76.7	191.6	1.826	2.45	44.4	SO312	.04070	9.4664	0.6	A
9006	34986.54	55 6N	21 53E	80.5	191.5	2.037	16.10	45.3	SO312	.04070	9.0372	0.6	F
9007	34991.14	55 1N	21 38E	77.6	191.4	1.826	11.55	45.3	SO312	.04070	9.4746	0.6	V
9008	34997.74	54 42N	22 5E	85.7	191.3	1.690	25.20	45.7	SO312	.04070	8.4430	0.6	A
9009	35011.14	53 52N	20 57E	76.9	191.0	2.037	6.30	46.3	SO312	.04070	9.4334	0.6	A
9010	35051.74	50 49N	19 7E	77.1	190.3	2.037	-13.30	48.8	SO312	.04070	9.4086	0.6	F
9011	35054.54	50 48N	19 6E	76.2	190.3	2.037	-13.30	48.8	SO312	.04070	9.6479	0.4	V
9012	35061.14	50 23N	18 38E	79.5	190.2	2.037	-22.05	49.1	SO312	.04070	9.2353	0.8	V
9013	35064.14	50 23N	18 37E	80.4	190.2	2.037	-22.05	49.1	SO312	.04070	9.0455	0.8	A
9014	35076.34	49 6N	18 56E	75.3	190.0	2.181	-2.45	50.4	SO312	.02200	9.6479	0.6	F
9015	35079.14	49 5N	18 55E	74.4	189.9	2.181	-2.45	50.4	SO312	.02200	9.8790	0.6	V
9016	35085.54	48 35N	19 23E	78.2	189.9	2.181	15.75	51.0	SO312	.02200	9.4003	0.4	V
9017	35088.34	48 35N	19 22E	79.1	189.8	2.181	15.75	51.0	SO312	.02200	9.1693	0.6	A
9018	35095.34	47 46N	18 45E	75.9	189.7	2.390	4.90	51.6	SO312	.02200	9.5737	0.4	F
9019	35105.34	47 12N	19 6E	80.6	189.6	2.181	20.30	52.2	SO312	.03070	9.1197	0.8	V
9020	35108.34	47 12N	19 5E	81.6	189.6	2.181	20.30	52.2	SO312	.03070	8.8887	0.8	A
9021	35114.54	46 35N	18 51E	80.0	189.5	2.181	19.25	52.7	SO312	.03070	9.2023	0.6	V
9022	35122.94	46 5N	18 8E	74.5	189.4	2.390	2.45	53.0	SO312	.04070	9.8625	0.6	V
9023	35125.74	46 4N	18 7E	75.4	189.4	2.390	2.45	53.0	SO312	.04070	9.6232	0.6	A
9024	35131.14	45 30N	18 5E	75.1	189.3	2.390	6.30	53.5	SO312	.03070	9.7882	0.4	V
9025	35133.94	45 30N	18 5E	76.0	189.3	2.390	6.30	53.5	SO312	.03070	9.5489	0.4	A
9026	35138.54	44 60N	17 55E	74.9	189.2	2.390	5.60	53.9	SO312	.04070	9.8047	0.4	V
9027	35141.34	44 60N	17 54E	75.8	189.2	2.390	5.60	53.9	SO312	.04070	9.5654	0.4	A
9028	35150.34	44 5N	16 51E	78.5	189.1	2.181	-20.30	54.4	SO312	.03070	9.2270	0.6	F
9029	35153.14	44 5N	16 50E	77.6	189.1	2.181	-20.30	54.4	SO312	.04070	9.4581	0.4	V
9030	35158.74	43 32N	16 28E	82.5	189.0	2.181	-26.60	54.7	SO312	.03070	8.7566	0.4	F
9031	35161.74	43 31N	16 28E	81.4	189.0	2.181	-26.25	54.7	SO312	.03070	9.0124	0.4	V
9032	35168.34	43 5N	16 14E	83.8	188.9	2.181	-29.75	55.0	SO312	.03070	8.7566	0.4	V
9033	35171.54	43 4N	16 14E	84.5	188.9	2.181	-29.40	55.1	SO312	.03070	8.5998	0.4	A
9034	35407.34	26 34N	13 10E	75.4	187.3	2.881	-7.35	66.5	SO312	.02200	9.7387	0.6	V
9035	35410.14	26 34N	13 10E	76.3	187.3	3.092	-7.35	66.5	SO312	.02200	9.5076	0.4	A
76 9001	40702.14	28 4N	9 18W	85.6	187.4	2.738	-30.10	65.3	SO312	.01650	8.5008	0.8	A
77 9001	46495.13	5 36S	36 34W	90.6	186.5	3.232	5.95	61.8	SO312	.03070	7.9808	0.6	F
9002	46501.33	5 32S	36 57W	90.1	186.5	3.439	-8.40	61.5	SO312	.03070	7.9726	1.4	A
9003	46564.13	10 12S	36 33W	112.2	186.6	2.181	32.55	59.0	SO312	.02200	6.4870	1.4	V
9004	46583.13	11 3S	38 29W	102.2	186.6	3.439	-26.95	57.1	SO312	.02200	7.0235	1.4	A
9005	46591.53	11 43S	37 56W	94.1	186.7	3.439	-4.20	57.1	SO312	.03070	7.6177	0.6	A
9006	46603.73	12 45S	38 27W	95.7	186.7	3.439	-15.75	56.0	SO312	.03070	7.5929	0.4	V
9007	46607.13	12 44S	38 27W	97.0	186.7	3.439	-15.40	56.1	SO312	.03070	7.3949	0.6	A
9008	46610.13	12 56S	38 29W	97.1	186.7	3.439	-15.40	55.9	SO312	.03070	7.3866	0.4	A
78 9001	51678.53	3 25N	57 20W	83.4	186.5	3.232	-1.40	67.0	SO312	.03070	8.7649	1.2	V
9002	52270.13	36 39S	64 21W	119.8	188.1	2.181	15.05	35.9	SO312	.03070	5.8926	0.6	A
9003	52402.93	45 46S	67 26W	120.7	189.3	2.390	-1.40	27.2	SO312	.03070	5.9341	0.6	V
9004	52407.33	45 45S	67 28W	122.4	189.4	2.390	-1.75	27.2	SO312	.03070	5.7525	1.2	A
79 5001	56908.73	8 34N	77 22W	109.2	186.6	2.390	38.85	70.1	SO130	.01250	6.6692	1.2	F
5002	56915.73	8 20N	77 13W	117.2	186.6	1.826	43.75	70.2	SO130	.01250	6.2565	1.2	V
9001	56732.33	20 55N	76 13W	77.6	187.0	3.092	1.75	69.0	SO312	.03070	9.3591	0.4	F
9002	56736.53	20 49N	76 18W	76.7	187.0	3.092	-0.35	69.0	SO312	.04070	9.5737	0.8	V
9003	56746.13	20 5N	75 49W	86.1	186.9	2.530	24.15	69.7	SO312	.03070	8.5255	0.6	V
9004	56749.33	20 5N	75 49W	87.3	186.9	2.530	24.15	69.7	SO312	.03070	8.2779	1.2	A
85 9001	1493.93	68 5N	166 34E	82.2	197.7	0.995	-19.25	33.3	SO312	.03070	8.7896	0.8	F
9002	1499.93	68 5N	166 27E	82.9	197.4	0.995	-20.65	33.3	SO312	.03070	8.7566	0.4	A
9003	1645.13	57 57N	162 3E	80.0	192.3	1.690	18.20	42.9	SO312	.03070	9.1858	0.4	V
9004	1648.13	57 57N	162 2E	80.9	192.3	1.690	18.20	42.9	SO312	.03070	8.9629	0.4	A
9005	1654.33	57 20N	161 45E	79.9	192.1	1.826	18.20	43.5	SO312	.04070	9.2023	0.8	V
9006	1657.33	57 20N	161 44E	80.8	192.1	1.826	18.20	43.5	SO312	.04070	8.9794	0.8	A
86 9001	6850.93	64 35N	143 18E	77.8	195.4	1.484	6.65	36.8	SO312	.03070	9.3178	0.4	F
9002	6856.93	64 34N	143 12E	77.6	195.2	1.338	5.95	36.8	SO312	.03070	9.3508	0.4	A
9003	7056.73	50 37N	137 6E	83.7	190.3	2.037	24.15	49.5	SO312	.03070	8.6906	0.8	F
9004	7059.73	50 37N	137 5E	82.8	190.3	2.037	24.15	49.5	SO312	.03070	8.8721	1.4	V
9005	7063.73	50 33N	137 3E	83.8	190.2	1.826	24.50	49.6	SO312	.03070	8.6493	0.4	A
9006	7070.93	50 5N	136 37E	79.8	190.1	2.037	17.85	49.9	SO312	.03070	9.0867	0.4	A
9007	7082.53	48 54N	136 16E	80.1	190.0	2.181	18.55	51.0	SO312	.03070	9.0950	0.4	F
9008	7092.33	48 31N	135 17E	74.0	189.8	2.181	-5.95	51.1	SO312	.03070	9.9285	1.0	V
9009	7099.73	48 13N	135 4E	75.2	189.7	2.181	-9.10	51.3	SO312	.04070	9.6562	0.4	A
9010	7104.53	47 53N	134 58E	75.3	189.7	2.390	-9.45	51.6	SO312	.04070	9.6479	0.4	A
9011	7109.33	47 34N	134 45E	75.9	189.6	2.390	-12.60	51.8	SO312	.04070	9.5819	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
86 9012	7115.73	47 11N	134 20E	79.1	189.5	2.181	-21.35	52.1	SO312	.04070	9.2023	0.4	A
9013	7120.53	46 51N	134 17E	78.4	189.5	2.181	-19.95	52.3	SO312	.04070	9.2848	0.8	A
9014	7128.33	45 56N	133 45E	83.1	189.4	2.037	-28.00	53.0	SO312	.03070	8.7071	0.6	F
9015	7131.13	45 57N	133 44E	82.1	189.3	2.037	-28.00	53.0	SO312	.03070	8.9382	1.2	V
9016	7135.13	45 53N	133 41E	83.3	189.3	2.037	-28.35	53.0	SO312	.03070	8.7236	0.6	A
9017	7138.53	45 39N	133 37E	83.6	189.3	2.037	-28.70	53.2	SO312	.03070	8.6988	0.4	A
9018	7148.93	44 31N	133 29E	80.5	189.1	2.181	-24.50	54.2	SO312	.03070	8.9794	0.4	F
9019	7151.73	44 32N	133 29E	79.6	189.1	2.181	-24.50	54.2	SO312	.03070	9.2105	0.6	V
9020	7157.13	44 10N	133 16E	81.7	189.1	2.181	-27.65	54.4	SO312	.03070	8.9794	0.4	V
9021	7160.13	44 10N	133 16E	82.4	189.0	2.181	-27.30	54.4	SO312	.03070	8.8226	0.4	A
9022	7168.73	43 10N	133 7E	80.6	188.9	2.181	-24.50	55.3	SO312	.03070	8.9712	0.4	F
9023	7173.13	42 51N	133 10E	78.1	188.9	2.390	-21.00	55.6	SO312	.03070	9.2683	0.4	F
9024	7177.53	42 45N	133 8E	77.5	188.9	2.390	-20.65	55.7	SO312	.03070	9.4829	0.4	V
9025	7180.53	42 44N	133 8E	78.2	188.8	2.390	-20.30	55.7	SO312	.03070	9.2931	0.4	A
9026	8196.13	27 9S	119 55E	104.6	187.3	3.092	-8.05	43.9	SO312	.03070	6.8997	0.6	V
9027	8200.13	27 9S	119 55E	106.1	187.3	3.092	-7.70	43.9	SO312	.03070	6.7099	0.6	A
87 9001	12065.13	70 47N	126 59E	79.0	200.1	0.995	8.05	30.8	SO312	.03070	9.2848	0.6	V
9002	12068.13	70 47N	126 58E	79.8	199.9	0.995	8.05	30.8	SO312	.03070	9.0785	0.6	A
9003	12349.53	51 39N	114 23E	74.6	190.5	2.181	-1.75	48.4	SO312	.03070	9.7222	0.4	F
9004	12352.13	51 40N	114 23E	73.8	190.5	2.181	-1.75	48.4	SO312	.03070	9.9533	0.4	V
9005	12361.13	51 20N	113 26E	80.6	190.4	2.037	-24.15	48.5	SO312	.04070	9.0207	0.4	A
9006	12490.73	42 26N	111 3E	76.5	188.8	2.390	-17.15	56.0	SO312	.03070	9.5076	0.4	A
9007	12510.13	40 46N	111 58E	83.9	188.6	2.181	26.95	57.8	SO312	.03070	8.7649	0.8	V
9008	12513.13	40 46N	111 58E	84.9	188.6	2.181	26.95	57.8	SO312	.03070	8.5255	0.8	A
9009	12540.73	38 29N	111 15E	81.9	188.3	2.530	22.75	59.5	SO312	.03070	8.8969	0.6	F
9010	12543.53	38 29N	111 14E	81.0	188.3	2.530	22.75	59.5	SO312	.03070	9.0785	0.8	V
9011	12556.13	37 56N	110 5E	75.2	188.2	2.738	-11.90	59.5	SO312	.03070	9.6562	1.0	A
9012	12569.33	36 40N	109 33E	78.0	188.1	2.530	-20.65	60.3	SO312	.03070	9.2848	0.4	F
9013	12572.93	36 37N	109 30E	77.6	188.1	2.530	-21.70	60.3	SO312	.03070	9.4746	0.4	V
9014	12576.13	36 36N	109 28E	78.8	188.1	2.738	-22.40	60.3	SO312	.03070	9.2188	0.4	A
9015	12578.13	36 27N	109 26E	78.7	188.1	2.738	-22.40	60.4	SO312	.03070	9.2353	0.6	A
9016	12581.13	36 3N	109 21E	78.0	188.0	2.530	-22.40	60.7	SO312	.03070	9.4168	0.6	V
9017	12587.33	35 48N	109 30E	76.0	188.0	2.738	-15.05	61.0	SO312	.03070	9.5654	0.4	A
9018	12594.13	34 59N	108 58E	82.5	188.0	2.530	-27.30	61.4	SO312	.02200	8.7731	0.6	F
9019	12597.13	34 58N	108 57E	81.6	187.9	2.530	-27.30	61.4	SO312	.02200	8.9959	0.6	V
9020	12601.33	34 40N	108 59E	79.5	187.9	2.530	-24.15	61.6	SO312	.03070	9.2353	0.4	V
9021	12604.33	34 40N	108 59E	80.2	187.9	2.738	-23.80	61.6	SO312	.03070	9.0620	0.4	A
9022	12941.13	11 7N	105 47E	94.5	186.6	2.530	29.40	70.4	SO312	.02200	7.7415	0.6	V
9023	12944.53	11 7N	105 47E	96.2	186.6	2.530	29.75	70.4	SO312	.01650	7.4691	0.6	A
88 9001	17586.13	56 38N	93 7E	83.0	191.8	1.484	-27.30	43.9	SO312	.04070	8.8474	0.4	V
9002	17589.73	56 11N	93 1E	83.0	191.7	1.484	-25.90	44.3	SO312	.03070	8.7236	0.6	F
9003	17594.73	56 2N	93 0E	81.3	191.6	1.690	-24.85	44.4	SO312	.04070	9.0207	0.6	V
9004	17597.73	56 2N	92 60E	82.2	191.6	1.690	-24.85	44.4	SO312	.04070	8.8391	0.6	A
9005	17666.13	51 20N	91 37E	77.0	190.4	2.037	-16.45	48.6	SO312	.04070	9.4416	0.6	A
9006	17804.33	41 44N	88 24E	81.5	188.7	2.181	-28.35	56.4	SO312	.03070	8.9959	0.6	V
9007	17807.33	41 44N	88 24E	82.3	188.7	2.390	-28.35	56.4	SO312	.02200	8.8391	0.6	A
9008	17817.33	40 45N	89 0E	73.3	188.6	2.530	-0.70	57.5	SO312	.04070	10.0276	1.2	V
9009	18004.93	27 44N	85 20E	83.1	187.4	2.738	-27.65	65.8	SO312	.03070	8.6906	0.4	F
9010	18007.93	27 44N	85 19E	82.0	187.3	2.738	-27.30	65.8	SO312	.03070	8.9464	0.4	V
9011	18028.13	26 14N	85 56E	76.6	187.3	2.881	7.70	67.2	SO312	.02200	9.5737	0.8	V
9012	18031.13	26 13N	85 55E	77.6	187.2	2.881	7.70	67.2	SO312	.02200	9.3178	0.8	A
9013	18069.53	23 23N	85 24E	77.4	187.1	2.881	9.10	68.4	SO312	.03070	9.4746	0.8	V
9014	18072.53	23 22N	85 23E	78.4	187.1	2.881	9.10	68.4	SO312	.03070	9.2188	0.6	A
9015	18127.53	19 21N	84 59E	85.3	186.9	2.738	22.40	70.0	SO312	.03070	8.5833	1.0	V
9016	18130.73	19 20N	84 58E	86.5	186.9	2.738	22.40	70.0	SO312	.03070	8.3274	1.0	A
89 9001	23030.33	47 16N	68 23E	75.5	189.5	2.390	-11.55	52.1	SO312	.03070	9.6232	0.6	A
9002	23086.53	43 19N	68 14E	80.8	188.9	2.181	20.30	55.7	SO312	.03070	8.9629	0.6	A
9003	23128.53	40 25N	65 59E	80.7	188.5	2.390	-28.00	57.5	SO312	.03070	9.0950	0.4	V
9004	23134.53	39 49N	65 33E	89.5	188.5	2.181	-35.70	57.8	SO312	.02200	8.0551	0.4	F
9005	23137.53	39 49N	65 33E	88.2	188.5	2.181	-35.35	57.8	SO312	.02200	8.3109	0.6	V
9006	23143.33	39 37N	65 43E	84.1	188.4	2.390	-29.75	58.0	SO312	.03070	8.6576	0.6	A
9007	23253.53	31 35N	64 20E	77.3	187.6	2.738	-16.80	63.8	SO312	.03070	9.3756	0.6	F
90 5001	28202.73	55 56N	48 52E	80.9	191.7	1.690	-22.75	44.6	SO130	.02210	8.9555	0.8	F
5002	28205.73	55 55N	48 51E	80.0	191.6	1.690	-22.75	44.6	SO130	.02210	9.1784	0.8	V
5003	28258.53	52 9N	47 16E	83.2	190.6	1.690	-27.30	47.9	SO130	.02210	8.6914	1.4	F
5004	28262.33	52 5N	47 14E	82.4	190.6	1.690	-27.30	47.9	SO130	.02210	8.9143	1.2	V
5005	28265.73	52 4N	47 13E	83.4	190.5	1.690	-27.30	47.9	SO130	.02210	8.7327	1.2	A
9001	28166.53	58 34N	49 59E	80.5	192.5	1.484	-22.75	42.2	SO312	.04070	9.1280	0.6	V
9002	28182.93	57 12N	50 5E	76.0	192.1	1.826	-7.35	43.5	SO312	.04070	9.5406	0.4	F
9003	28189.73	56 50N	48 56E	85.1	191.9	1.484	-28.70	43.7	SO312	.02200	8.5090	0.4	F
9004	28192.73	56 50N	48 57E	83.8	191.9	1.484	-28.35	43.7	SO312	.02200	8.7401	1.2	V
9005	28196.53	56 47N	48 55E	84.6	191.8	1.690	-28.35	43.8	SO312	.02200	8.5915	0.4	A
9006	28205.73	55 55N	48 51E	80.0	191.6	1.690	-22.75	44.6	SO312	.04070	9.1775	0.6	V
9007	28208.73	55 55N	48 50E	80.9	191.5	1.690	-22.75	44.6	SO312	.04070	8.9877	0.6	A
9008	28224.73	54 25N	48 21E	80.0	191.2	1.690	-21.35	45.9	SO312	.04070	9.0537	0.6	F
9009	28227.53	54 26N	48 20E	79.0	191.2	1.690	-21.35	45.9	SO312	.04070	9.2931	0.6	V
9010	28234.93	53 53N	48 26E	75.9	191.0	1.826	-14.00	46.4	SO312	.04070	9.6644	0.6	V
9011	28237.73	53 53N	48 26E	76.8	191.0	2.037	-14.00	46.4	SO312	.04070	9.4664	0.6	A
9012	28242.73	53 9N	48 23E	75.7	190.9	2.037	-8.75	47.1	SO312	.04070	9.5819	0.4	F

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
90 9013	28245.33	53 10N	48 22E	74.8	190.9	2.037	-8.75	47.1	SO312	.04070	9.8212	0.4	V
9014	28248.93	53 6N	48 24E	75.4	190.8	2.037	-7.00	47.2	SO312	.04070	9.6397	0.6	A
9015	28258.53	52 8N	47 16E	83.2	190.6	1.690	-27.30	47.9	SO312	.04070	8.6906	1.2	F
9016	28262.33	52 5N	47 14E	82.4	190.6	1.690	-27.30	47.9	SO312	.04070	8.9134	1.2	V
9017	28265.73	52 4N	47 13E	83.4	190.5	1.690	-27.30	47.9	SO312	.04070	8.7318	0.8	A
9018	28309.93	48 37N	46 19E	80.0	189.9	2.037	-22.75	50.9	SO312	.04070	9.0455	0.8	F
9019	28312.93	48 36N	46 18E	79.1	189.8	2.037	-22.75	50.9	SO312	.04070	9.2848	0.8	V
9020	28316.13	48 35N	46 17E	80.0	189.8	2.037	-22.75	50.9	SO312	.04070	9.0950	0.6	A
9021	28707.13	21 17N	40 24E	76.8	187.0	3.092	-7.35	68.8	SO312	.03070	9.4416	0.8	F
9022	28788.93	15 38N	39 29E	79.3	186.8	3.232	-1.75	69.9	SO312	.04070	9.1445	0.6	F
9023	28791.73	15 38N	39 29E	78.5	186.8	3.232	-1.75	69.9	SO312	.04070	9.3343	0.6	V
9024	29427.73	27 59S	32 27E	116.1	187.4	2.390	22.75	43.7	SO312	.03070	6.2064	0.8	V
9025	29432.13	27 59S	32 27E	118.3	187.4	2.181	23.45	43.7	SO312	.03070	5.9836	0.8	A
9026	29439.53	28 45S	32 3E	111.9	187.4	2.530	16.80	42.9	SO312	.04070	6.4375	1.0	V
9027	29443.93	28 46S	32 3E	113.9	187.4	2.530	17.15	42.9	SO312	.03070	6.2229	0.8	A
9028	29456.93	29 50S	31 1E	106.4	187.5	3.092	-5.60	41.5	SO312	.04070	6.7676	1.2	V
9029	29460.93	29 50S	31 1E	108.0	187.5	3.092	-5.25	41.5	SO312	.04070	6.5778	1.2	A
91 5001	33442.53	60 5N	30 16E	78.4	193.2	1.690	12.25	41.1	SO130	.02210	9.2692	1.0	F
5002	33543.93	53 25N	25 14E	90.0	190.9	1.484	-34.65	46.7	SO130	.02210	8.0228	0.6	F
5003	33547.33	53 24N	25 11E	89.7	190.9	1.484	-35.35	46.7	SO130	.02210	8.1631	0.8	V
5004	33578.53	50 58N	25 37E	74.9	190.4	2.037	-5.25	49.1	SO130	.02210	9.0984	0.6	F
5005	33586.33	50 51N	25 5E	78.1	190.3	2.037	-18.55	49.1	SO130	.02210	9.3270	0.8	A
9001	33109.33	81 10N	64 26E	83.1	227.1	0.093	-9.80	19.9	SO312	.04070	8.6906	0.8	F
9002	33112.33	81 10N	64 24E	82.0	226.2	0.093	-9.80	19.9	SO312	.04070	8.9134	0.8	V
9003	33424.93	61 32N	30 13E	75.6	193.7	1.484	-5.60	39.6	SO312	.04070	9.6974	0.4	V
9004	33427.73	61 32N	30 13E	76.5	193.6	1.690	-5.60	39.6	SO312	.04070	9.4911	0.4	A
9005	33434.13	60 51N	30 30E	76.6	193.4	1.690	8.40	40.3	SO312	.04070	9.5902	0.4	V
9006	33436.93	60 51N	30 29E	77.4	193.4	1.690	8.40	40.3	SO312	.04070	9.3673	0.4	A
9007	33442.73	60 4N	30 15E	78.5	193.2	1.690	12.25	41.1	SO312	.03070	9.2683	0.6	F
9008	33446.33	59 49N	30 9E	78.7	193.1	1.690	12.95	41.3	SO312	.03070	9.2353	2.4	F
9009	33452.13	59 48N	30 9E	78.9	192.9	1.690	13.65	41.3	SO312	.03070	9.1940	0.8	A
9010	33461.13	59 20N	28 38E	77.8	192.7	1.690	-14.70	41.6	SO312	.04070	9.3261	0.4	A
9011	33526.53	54 33N	26 18E	79.9	191.3	1.690	-21.35	45.6	SO312	.04070	9.0620	0.6	F
9012	33532.93	54 31N	26 13E	80.4	191.1	1.826	-22.40	45.9	SO312	.04070	9.0372	0.4	A
9013	33537.33	53 50N	25 47E	83.1	191.1	1.826	-26.95	46.4	SO312	.04070	8.6988	0.6	F
9014	33553.93	52 55N	25 22E	83.1	190.8	1.690	-28.35	47.2	SO312	.04070	8.8309	0.4	V
9015	33556.93	52 55N	25 23E	83.8	190.7	1.690	-28.00	47.2	SO312	.04070	8.6741	0.4	A
9016	33562.93	52 16N	25 26E	79.0	190.6	1.826	-22.05	47.8	SO312	.04070	9.2848	0.4	V
9017	33565.73	52 17N	25 26E	79.8	190.6	2.037	-22.05	47.8	SO312	.04070	9.1115	0.4	A
9018	33572.53	51 21N	25 54E	74.9	190.5	2.181	-1.05	48.8	SO312	.04070	9.6974	0.6	F
9019	33578.53	50 57N	25 37E	74.9	190.4	2.037	-5.25	49.1	SO312	.04070	9.6974	0.6	F
9020	33586.33	50 51N	25 5E	78.1	190.3	2.037	-18.55	49.1	SO312	.04070	9.3261	1.4	A
9021	33593.33	50 21N	25 7E	76.1	190.2	2.181	-12.95	49.6	SO312	.04070	9.5489	0.6	A
9022	33594.93	50 14N	25 5E	76.1	190.1	2.181	-12.95	49.7	SO312	.04070	9.5489	0.6	A
9023	33606.53	48 53N	26 9E	86.8	190.0	2.037	28.35	51.2	SO312	.02200	8.3935	0.6	F
9024	33612.53	48 54N	26 4E	85.7	189.9	1.826	27.30	51.2	SO312	.03070	8.4595	0.6	A
9025	33619.73	48 25N	25 46E	83.2	189.8	2.037	23.80	51.5	SO312	.03070	8.7071	0.8	A
9026	33633.73	47 41N	23 35E	85.5	189.6	2.037	-31.15	51.6	SO312	.03070	8.5173	0.8	A
9027	33640.33	46 47N	23 41E	79.6	189.5	2.037	-22.75	52.5	SO312	.03070	9.0867	0.6	F
9028	33643.13	46 48N	23 40E	78.7	189.5	2.037	-22.75	52.5	SO312	.04070	9.3261	0.6	V
9029	33653.73	45 43N	24 44E	79.6	189.4	2.181	18.55	53.8	SO312	.03070	9.1445	0.6	F
9030	33656.53	45 43N	24 43E	78.7	189.3	2.181	18.55	53.8	SO312	.03070	9.3343	0.6	V
9031	33665.13	45 24N	23 55E	74.0	189.2	2.390	-2.80	53.8	SO312	.04070	9.8130	0.4	A
9032	33674.93	44 21N	23 48E	74.8	189.1	2.390	2.80	54.7	SO312	.04070	9.7140	0.4	F
9033	33677.53	44 21N	23 48E	74.0	189.1	2.390	2.80	54.7	SO312	.04070	9.9368	0.4	V
9034	33680.33	44 21N	23 47E	74.9	189.1	2.390	2.80	54.7	SO312	.04070	9.6892	0.8	A
9035	33685.93	43 45N	23 47E	75.0	189.0	2.390	8.05	55.3	SO312	.04070	9.8047	0.6	V
9036	33700.13	42 46N	23 36E	75.4	188.9	2.390	10.85	56.1	SO312	.04070	9.7470	0.4	V
9037	33702.93	42 46N	23 35E	76.3	188.8	2.390	10.85	56.1	SO312	.03070	9.4994	0.4	A
9038	33708.33	42 23N	23 39E	78.2	188.8	2.181	16.45	56.5	SO312	.02200	9.2518	0.4	A
9039	33712.73	41 53N	23 39E	79.5	188.8	2.181	20.30	56.9	SO312	.02200	9.2353	0.6	V
9040	33715.73	41 52N	23 38E	80.4	188.7	2.181	20.30	56.9	SO312	.02200	8.9959	0.6	A
9041	33729.73	40 49N	22 24E	74.7	188.6	2.530	-12.25	57.4	SO312	.04070	9.8460	0.6	V
9042	33732.53	40 49N	22 23E	75.6	188.6	2.530	-12.25	57.4	SO312	.03070	9.6149	0.6	A
9043	33846.93	32 34N	20 39E	75.2	187.7	2.881	-5.25	63.4	SO312	.03070	9.6479	0.4	F
9044	33849.53	32 34N	20 39E	74.4	187.7	2.881	-5.25	64.4	SO312	.03070	9.8708	0.4	V
9045	33856.73	32 8N	20 4E	79.5	187.7	2.738	-23.10	63.4	SO312	.04070	9.2353	0.6	V
9046	33859.53	32 9N	20 3E	80.5	187.7	2.738	-23.10	63.4	SO312	.04070	9.0290	0.6	A
9047	34446.93	8 46S	13 16E	92.5	186.6	3.232	4.55	59.3	SO312	.03070	7.7993	1.2	F
9048	34450.33	8 46S	13 15E	91.6	186.6	3.232	4.55	59.3	SO312	.03070	7.9396	1.4	V
9049	34454.53	8 49S	13 15E	93.1	186.6	3.232	5.25	59.3	SO312	.03070	7.6920	1.2	A
9050	34500.93	12 20S	13 35E	116.0	186.7	2.181	33.95	57.2	SO312	.02200	6.2642	0.8	V
9051	34505.13	12 19S	13 35E	118.3	186.7	2.181	34.30	57.3	SO312	.02200	6.0166	1.0	A
9052	34540.73	15 11S	12 9E	97.1	186.7	3.232	5.25	54.3	SO312	.03070	7.4196	0.4	F
9053	34544.13	15 11S	12 10E	96.4	186.7	3.232	6.30	54.3	SO312	.03070	7.5269	0.6	V
9054	34547.73	15 11S	12 10E	98.0	186.8	3.232	7.00	54.4	SO312	.02200	7.2793	1.0	A
92 9001	39106.33	35 45N	0 41W	74.0	188.0	2.738	-3.50	61.3	SO312	.04070	9.9203	0.8	V
94 9001	50527.93	20 26S	54 38W	106.5	186.9	2.530	19.95	50.2	SO312	.03070	6.8006	0.4	V
9002	50740.93	34 49S	57 53W	112.3	187.9	2.530	9.45	37.2	SO312	.04070	6.4045	0.6	V
9003	50745.13	34 49S	57 53W	114.1	187.9	2.530	9.80	37.2	SO312	.04070	6.1982	0.6	A
9004	50755.93	35 42S	59 16W	115.8	188.0	2.881	-19.95	35.9	SO312	.03070	6.2147	1.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
94 9005	50770.93	36 59S	59 45W	120.5	188.1	2.738	-23.45	34.6	SO312	.03070	5.8928	0.6	F
9006	50775.33	36 59S	59 45W	119.2	188.2	2.738	-23.10	34.6	SO312	.03070	6.0331	0.6	V
9007	50781.73	37 12S	59 13W	114.1	188.2	2.881	-9.45	34.7	SO312	.03070	6.2064	1.2	A
95 9001	55354.53	12 12N	71 55W	81.1	186.7	3.232	-14.35	69.5	SO312	.04070	9.0207	0.6	V
9002	55357.53	12 12N	71 55W	82.1	186.7	3.439	-14.35	69.5	SO312	.04070	8.8144	0.6	A
9003	55431.53	7 10N	73 7W	88.9	186.6	3.232	-25.20	68.0	SO312	.03070	8.1294	0.4	A
9004	55475.33	4 8N	73 33W	88.8	186.5	3.439	-22.05	66.8	SO312	.03070	8.1376	1.4	A
9005	55659.73	8 58S	75 59W	99.0	186.6	3.232	-25.90	58.5	SO312	.02200	7.2381	1.0	F
9006	55666.93	8 57S	76 5W	101.0	186.6	3.439	-28.00	58.5	SO312	.02200	7.1308	1.0	A
9007	55704.33	11 59S	77 6W	118.6	186.6	2.881	-40.25	55.8	SO312	.01650	6.0166	0.8	F
9008	55708.93	12 2S	77 0W	113.0	186.7	3.092	-37.45	55.9	SO312	.02200	6.4293	1.0	V
9009	55713.53	12 3S	77 0W	113.7	186.7	3.092	-36.75	55.9	SO312	.02200	6.3302	2.0	A
96 9001	60218.73	42 15N	87 51W	76.1	188.8	2.390	-17.50	56.3	SO312	.03070	9.6479	7.8	V
101 9001	28.33	64 42N	170 26E	79.9	195.3	1.135	-18.55	36.9	SO312	.03070	9.1858	0.8	V
103 9001	10879.53	49 20N	120 44E	81.8	190.0	2.181	22.40	51.0	SO312	.03070	8.8721	0.4	A
9002	10911.33	47 8N	120 15E	86.1	189.6	1.826	29.05	52.9	SO312	.02200	8.4265	0.4	A
9003	10937.13	45 8N	118 15E	75.1	189.3	2.390	-13.30	54.2	SO312	.03070	9.6562	0.4	F
9004	10945.33	44 37N	117 36E	82.0	189.2	2.037	-27.65	54.4	SO312	.03070	8.8309	0.6	F
9005	10954.53	43 55N	118 14E	73.8	189.1	2.390	-2.45	55.3	SO312	.03070	9.8377	0.6	F
9006	10958.73	43 38N	118 11E	73.9	189.0	2.390	-1.75	55.5	SO312	.03070	9.8295	0.6	F
9007	10962.93	43 21N	118 3E	73.5	189.0	2.390	-3.15	55.7	SO312	.04070	9.8790	0.4	F
9008	10969.13	42 52N	118 20E	75.4	188.9	2.530	10.15	56.3	SO312	.04070	9.6562	0.6	F
9009	10980.53	42 11N	118 51E	87.8	188.8	2.037	31.15	57.1	SO312	.02200	8.3687	0.8	V
9010	10983.73	42 11N	118 50E	88.9	188.8	2.037	31.15	57.1	SO312	.02200	8.1376	0.8	A
9011	10997.73	40 58N	117 19E	74.2	188.6	2.530	-6.65	57.6	SO312	.03070	9.7882	0.6	F
9012	11006.13	40 26N	116 41E	79.5	188.6	2.390	-23.10	57.8	SO312	.03070	9.1115	0.6	F
9013	11008.93	40 26N	116 40E	78.6	188.5	2.390	-23.10	57.8	SO312	.03070	9.3426	0.6	V
9014	11015.13	39 49N	116 24E	82.0	188.5	2.181	-26.95	58.2	SO312	.03070	8.8144	0.6	F
9015	11017.93	39 50N	116 24E	81.0	188.5	2.390	-26.95	58.2	SO312	.03070	9.0702	1.0	V
9016	11021.13	39 49N	116 23E	81.9	188.4	2.390	-26.95	58.2	SO312	.02200	8.8804	1.8	A
9017	11031.93	38 46N	116 59E	73.4	188.3	2.530	1.75	59.4	SO312	.03070	10.0193	0.6	V
9018	11036.73	38 26N	116 57E	73.9	188.3	2.530	3.15	59.6	SO312	.03070	9.9368	1.0	V
9019	11040.93	38 20N	116 54E	74.8	188.3	2.530	2.80	59.7	SO312	.03070	9.6974	0.6	A
9020	11048.73	37 29N	116 14E	76.2	188.2	2.530	-14.70	60.1	SO312	.03070	9.5159	0.4	F
9021	11061.13	36 29N	117 9E	84.3	188.1	2.390	25.55	61.4	SO312	.03070	8.6411	0.4	F
9022	11064.13	36 29N	117 9E	83.7	188.1	2.390	25.90	61.4	SO312	.03070	8.7814	0.4	V
9023	11071.93	36 2N	116 18E	73.7	188.0	2.738	0.35	61.4	SO312	.03070	9.9780	0.6	V
9024	11075.73	35 57N	116 18E	74.9	188.0	2.738	1.75	61.4	SO312	.03070	9.6892	0.4	A
9025	11082.33	35 28N	116 34E	78.6	188.0	2.530	15.40	62.0	SO312	.03070	9.2188	0.6	A
9026	11090.13	34 59N	115 52E	74.9	187.9	2.738	-5.95	62.0	SO312	.03070	9.6974	0.6	A
9027	11094.93	34 29N	115 41E	74.3	187.9	2.738	-9.10	62.3	SO312	.03070	9.8790	0.4	V
9028	11098.53	34 25N	115 37E	75.5	187.9	2.738	-10.50	62.3	SO312	.03070	9.6232	0.6	A
9029	11117.53	32 46N	114 57E	79.5	187.8	2.738	-22.05	63.2	SO312	.03070	9.1115	0.4	F
9030	11129.13	32 15N	115 55E	80.6	187.7	2.530	18.90	64.2	SO312	.03070	8.9794	0.6	A
9031	11136.73	31 42N	115 59E	85.0	187.6	2.390	25.20	64.6	SO312	.03070	8.4925	0.4	A
9032	11149.33	30 35N	114 21E	82.4	187.6	2.530	-26.25	64.5	SO312	.03070	8.7814	0.4	F
9033	11152.13	30 36N	114 21E	81.4	187.6	2.738	-26.25	64.5	SO312	.03070	9.0290	0.4	V
9034	11347.53	16 52N	112 21E	78.4	186.8	3.232	-1.05	70.0	SO312	.03070	9.2516	0.8	F
9035	11350.53	16 51N	112 20E	78.0	186.8	3.232	-1.05	70.0	SO312	.04070	9.3921	0.4	V
104 5001	16352.33	37 50N	95 28E	85.4	188.3	2.390	29.05	60.4	SO130	.01660	8.5511	0.8	F
5002	16358.53	37 50N	95 28E	86.4	188.2	2.181	30.10	60.5	SO130	.01660	8.4025	1.0	A
9001	16352.53	37 49N	95 28E	85.4	188.3	2.390	29.05	60.5	SO312	.03070	8.5503	0.6	F
9002	16358.73	37 48N	95 28E	86.3	188.2	2.181	30.10	60.5	SO312	.03070	8.4017	0.6	A
9003	16369.73	36 39N	95 3E	83.0	188.1	2.390	25.55	61.3	SO312	.03070	8.7814	0.6	F
9004	16375.53	36 40N	95 3E	83.5	188.1	2.181	26.25	61.3	SO312	.03070	8.6741	0.6	A
9005	16480.93	29 5N	92 50E	75.4	187.5	2.881	8.40	66.0	SO312	.02200	9.8644	0.4	F
9006	16486.33	29 5N	92 57E	77.1	187.4	2.738	13.65	66.1	SO312	.02200	9.3838	0.4	A
9007	16513.73	26 45N	92 47E	85.2	187.3	2.738	23.80	67.5	SO312	.02200	8.5503	1.0	F
9008	16524.73	26 8N	91 35E	78.7	187.3	2.881	-17.15	67.0	SO312	.02200	9.2023	0.6	F
9009	16531.93	25 36N	91 54E	75.5	187.2	3.092	-1.05	67.6	SO312	.03070	9.6149	0.6	F
9010	16534.73	25 35N	91 53E	74.7	187.2	3.092	-1.05	67.6	SO312	.03070	9.8212	0.6	V
9011	16579.73	22 26N	91 49E	83.3	187.0	2.738	20.65	69.3	SO312	.03070	8.7979	0.6	V
9012	16582.93	22 25N	91 49E	84.7	187.0	2.738	21.00	69.3	SO312	.03070	8.5173	0.6	A
105 9001	21061.53	78 14N	103 16E	81.1	213.2	0.438	2.45	23.5	SO312	.04070	8.9382	0.4	A
9002	21198.73	69 23N	88 15E	82.4	198.8	1.135	18.90	32.6	SO312	.03070	8.9217	0.6	V
9003	21201.73	69 23N	88 14E	83.3	198.7	1.135	18.90	32.6	SO312	.03070	8.7071	0.6	A
9004	21425.53	54 22N	77 22E	74.2	191.2	2.037	-4.20	46.4	SO312	.03070	9.9038	0.6	V
9005	21428.33	54 22N	77 21E	75.0	191.1	2.037	-4.20	46.4	SO312	.03070	9.6809	0.4	A
9006	21451.53	52 23N	76 55E	75.2	190.7	2.037	4.20	48.2	SO312	.04070	9.6562	0.4	F
9007	21456.93	52 23N	76 56E	75.3	190.6	2.037	4.90	48.2	SO312	.04070	9.6314	0.4	A
9008	21537.13	46 36N	74 29E	75.1	189.5	2.181	-11.20	53.0	SO312	.03070	9.6562	0.4	F
9009	21539.93	46 36N	74 28E	74.2	189.5	2.181	-11.20	53.0	SO312	.03070	9.8955	0.4	V
9010	21548.13	45 54N	73 36E	84.7	189.4	1.826	-30.10	53.4	SO312	.03070	8.5338	0.8	F
9011	21551.13	45 54N	73 36E	83.3	189.3	2.037	-30.10	53.4	SO312	.03070	8.8144	1.8	V
9012	21555.13	45 50N	73 34E	84.3	189.3	2.037	-30.10	53.5	SO312	.03070	8.6328	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

~~Top Secret GAMBIT~~

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG	LAT MIN	LONG DG	LONG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
105	9013	21593.53	42	60N	72	45E	84.6	188.9	2.037	-31.85	55.7	SO312	.02200	8.6823	0.8	V
	9014	21596.73	42	60N	72	44E	85.6	188.8	2.037	-31.85	55.7	SO312	.02200	8.5090	0.8	A
	9015	21619.53	40	57N	73	0E	74.3	188.6	2.530	-8.75	57.6	SO312	.03070	9.7635	0.4	F
	9016	21625.33	40	34N	72	49E	74.8	188.6	2.530	-11.55	57.9	SO312	.02200	9.6974	0.8	F
	9017	21631.13	40	32N	72	45E	75.2	188.5	2.530	-12.95	57.9	SO312	.02200	9.6644	0.8	A
	9018	21695.13	35	47N	71	22E	78.1	188.0	2.530	-22.40	61.2	SO312	.02200	9.2683	3.8	F
	9019	21702.93	35	26N	71	21E	76.1	188.0	2.530	-19.95	61.5	SO312	.03070	9.6479	0.8	V
	9020	21710.73	34	39N	71	48E	74.9	187.9	2.738	3.15	62.4	SO312	.03070	9.7057	1.0	F
	9021	21717.13	34	34N	71	49E	75.3	187.9	2.738	5.25	62.5	SO312	.03070	9.6232	0.8	A
	9022	21722.53	34	2N	71	35E	74.0	187.8	2.738	0.70	62.8	SO312	.03070	9.9285	0.4	V
	9023	21725.33	34	10	71	34E	74.9	187.8	2.738	0.70	62.8	SO312	.04070	9.6809	0.4	A
	9024	21729.13	33	34N	71	28E	73.9	187.8	2.738	0.00	63.1	SO312	.03070	9.9368	0.4	V
	9025	21731.73	33	35N	71	27E	74.9	187.8	2.738	0.00	63.1	SO312	.03070	9.6892	0.6	A
	9026	21745.73	32	24N	71	28E	76.0	187.7	2.738	9.80	64.0	SO312	.02200	9.6644	0.6	V
	9027	21748.53	32	24N	71	27E	77.0	187.7	2.738	9.80	64.0	SO312	.02200	9.4086	0.6	A
	9028	21773.73	30	13N	71	27E	85.7	187.6	2.530	25.55	65.6	SO312	.02200	8.5173	0.6	F
	9029	21776.73	30	13N	71	26E	84.8	187.5	2.530	25.55	65.6	SO312	.02200	8.6741	0.8	V
	9030	21780.33	30	11N	71	26E	86.1	187.5	2.530	25.90	65.7	SO312	.02200	8.3935	0.4	A
	9031	21878.53	23	15N	69	42E	80.2	187.1	2.738	15.40	68.9	SO312	.03070	9.1445	0.6	V
	9032	21881.53	23	15N	69	41E	81.2	187.1	2.738	15.40	68.9	SO312	.03070	8.8887	0.6	A
106	9001	26529.73	67	60N	64	45E	82.2	197.7	1.338	19.60	34.0	SO312	.03070	8.9217	0.4	V
	9002	26533.73	67	34N	64	10E	81.7	197.4	1.338	16.80	34.4	SO312	.03070	8.8887	0.6	F
	9003	26536.53	67	34N	64	9E	80.7	197.3	1.338	16.80	34.4	SO312	.03070	9.0950	0.8	V
	9004	26540.53	67	30N	64	4E	81.5	197.1	1.135	16.80	34.4	SO312	.03070	8.8969	0.4	A
	9005	26661.73	59	26N	56	46E	79.0	192.8	1.484	-19.95	41.8	SO312	.03070	9.2848	0.8	V
	9006	26672.53	58	20N	57	51E	79.4	192.5	1.826	15.75	43.0	SO312	.03070	9.1610	0.4	F
	9007	26682.93	58	1N	55	54E	81.1	192.3	1.484	-24.50	43.0	SO312	.04070	9.0537	0.8	V
	9008	26689.93	57	44N	55	51E	80.8	192.1	1.690	-22.75	43.3	SO312	.04070	8.9959	1.0	A
	9009	26695.53	57	10N	55	25E	82.6	192.0	1.484	-26.95	43.8	SO312	.04070	8.8969	0.4	V
	9010	26698.53	57	10N	55	26E	83.1	191.9	1.690	-26.60	43.8	SO312	.04070	8.7401	0.4	A
	9011	26723.13	54	57N	56	4E	76.9	191.4	2.037	10.50	46.0	SO312	.04070	9.4499	0.6	F
	9012	26727.73	54	48N	56	9E	77.3	191.3	1.826	14.35	46.2	SO312	.04070	9.5076	0.4	V
	9013	26730.53	54	48N	56	8E	78.2	191.3	1.826	14.35	46.2	SO312	.04070	9.2765	0.4	A
	9014	26743.13	53	43N	55	59E	80.7	191.0	1.826	21.35	47.2	SO312	.04070	9.1197	0.8	V
	9015	26746.13	53	43N	55	59E	81.6	191.0	1.826	21.35	47.2	SO312	.04070	8.8887	1.0	A
	9016	26752.13	53	6N	55	51E	82.2	190.9	1.826	23.80	47.8	SO312	.04070	8.9547	0.8	V
	9017	26755.13	53	6N	55	50E	83.2	190.8	1.826	23.80	47.8	SO312	.04070	8.7236	1.0	A
	9018	26767.93	51	52N	55	9E	80.0	190.6	2.037	18.55	48.8	SO312	.04070	9.1032	1.2	F
	9019	26771.33	51	49N	55	8E	79.0	190.6	2.037	18.55	48.8	SO312	.04070	9.3013	1.0	V
	9020	26775.53	51	33N	54	58E	78.3	190.5	2.037	17.15	49.1	SO312	.04070	9.3921	0.4	V
	9021	26778.33	51	33N	54	57E	79.2	190.4	2.037	17.15	49.1	SO312	.04070	9.1527	0.6	A
	9022	26825.43	48	10N	53	42E	77.2	189.8	2.181	15.05	52.0	SO312	.04070	9.5324	0.4	V
	9023	26828.13	48	10N	53	42E	78.1	189.7	2.181	15.05	52.0	SO312	.04070	9.2931	0.6	A
107	9001	31886.53	64	39N	39	53E	83.1	195.5	1.484	20.65	37.2	SO312	.05390	8.7484	1.6	F
	9002	31890.33	64	36N	39	49E	82.1	195.3	1.484	20.65	37.2	SO312	.05390	8.9547	1.0	V
	9003	31893.53	64	35N	39	48E	83.0	195.2	1.484	20.65	37.2	SO312	.05390	8.7401	0.8	A
	9004	31905.13	63	57N	38	5E	76.6	194.8	1.484	-2.10	37.8	SO312	.04070	9.4746	0.6	A
	9005	32006.13	57	5N	35	1E	78.3	192.0	1.690	14.00	44.2	SO312	.04070	9.2683	1.0	A
	9006	32040.53	54	17N	34	26E	86.6	191.3	1.826	28.00	46.8	SO312	.03070	8.4182	0.4	F
	9007	32044.13	54	15N	34	23E	85.4	191.2	1.826	27.65	46.8	SO312	.04070	8.6246	0.6	V
	9008	32047.33	54	15N	34	23E	86.4	191.1	1.826	27.65	46.8	SO312	.03070	8.4017	0.6	A
	9009	32055.53	53	29N	33	58E	83.7	191.0	1.826	25.55	47.5	SO312	.04070	8.7979	0.4	V
	9010	32058.73	53	29N	33	58E	84.9	190.9	1.826	25.90	47.5	SO312	.04070	8.5420	0.4	A
	9011	32073.73	52	28N	31	33E	81.2	190.7	1.826	-26.25	47.9	SO312	.04070	9.0537	0.4	V
	9012	32076.73	52	28N	31	33E	81.9	190.6	1.826	-25.90	47.9	SO312	.04070	8.8887	0.4	A
	9013	32083.93	51	34N	31	20E	80.9	190.5	1.826	-24.50	48.7	SO312	.04070	8.9547	0.6	F
	9014	32086.93	51	34N	31	19E	80.0	190.5	1.826	-24.50	48.7	SO312	.04070	9.1940	0.6	V
	9015	32098.73	50	37N	32	16E	75.5	190.3	2.037	10.50	49.9	SO312	.04070	9.7305	0.6	V
	9016	32101.53	50	37N	32	15E	76.4	190.2	2.037	10.50	49.9	SO312	.04070	9.4911	0.6	A
	9017	32113.13	49	48N	30	26E	84.9	190.1	1.826	-31.50	50.2	SO312	.03070	8.6658	0.6	V
	9018	32116.33	49	48N	30	27E	85.4	190.0	2.037	-31.15	50.2	SO312	.03070	8.5090	0.4	A
	9019	32122.53	49	6N	30	53E	75.4	189.9	2.181	-14.70	51.0	SO312	.04070	9.7552	0.4	V
	9020	32126.33	48	39N	30	47E	75.9	189.9	2.181	-13.65	51.3	SO312	.04070	9.5571	0.4	F
	9021	32131.93	48	17N	30	27E	78.2	189.8	2.037	-19.95	51.6	SO312	.04070	9.2600	0.4	F
	9022	32138.13	47	59N	30	54E	73.6	189.7	2.181	-3.85	52.0	SO312	.04070	9.9946	0.6	V
	9023	32140.93	47	59N	30	53E	74.4	189.7	2.181	-3.85	52.0	SO312	.04070	9.7552	1.4	A
	9024	32147.13	47	11N	30	48E	74.5	189.6	2.390	0.70	52.7	SO312	.04070	9.7635	0.6	F
	9025	32154.93	46	36N	30	57E	76.5	189.5	2.390	10.85	53.3	SO312	.04070	9.5159	0.4	F
	9026	32157.73	46	36N	30	56E	75.5	189.5	2.181	10.85	53.3	SO312	.04070	9.7347	0.4	V
	9027	32169.33	45	57N	29	29E	81.4	189.3	2.037	-27.30	53.5	SO312	.03070	9.0207	0.6	V
	9028	32172.33	45	57N	29	28E	82.4	189.3	2.037	-27.30	53.5	SO312	.03070	8.8309	0.6	A
	9029	32182.73	45	10N	29	40E	76.4	189.2	2.390	-15.40	54.2	SO312	.04070	9.5159	0.4	A
	9030	32239.33	41	3N	28	59E	73.6	188.6	2.530	-1.75	57.7	SO312	.04070	9.9946	0.6	V
	9031	32242.13	41	3N	28	58E	74.5	188.6	2.530	-1.75	57.7	SO312	.03070	9.7470	0.6	A
	9032	32305.53	36	28N	28	15E	76.7	188.1	2.530	12.95	61.3	SO312	.04070	9.5902	0.4	V
	9033	32308.33	36	28N	28	14E	77.7	188.1	2.530	12.95	61.3	SO312	.04070	9.3343	0.4	A
	9034	32379.73	31	21N	27	14E	80.2	187.6	2.530	18.90	64.8	SO312	.02200	9.1775	0.6	V
	9035	32382.73	31	21N	27	14E	81.2	187.6	2.530	18.90	64.8	SO312	.01650	8.9134	1.0	A
	9036	32404.53	29	35N	25	35E	84.2	187.5	2.738	-28.70	65.1	SO312	.01650	8.5915	0.6	F
	9037	32517.73	21	54N	24	49E	76.4	187.0	3.092	0.00	69.1	SO312	.03070	9.6067	0.8	V
	9038	32520.73	21	53N	24	48E	77.4	187.0	3.092	0.00	69.1	SO312	.03070	9.3508	0.6	A
	9039	33005.93	11	45S	19	54E	115.8	186.6	2.181	33.60	57.5	SO312	.02200	6.2807	0.4	V
	9040	33010.33	11	46S	19	54E	118.1	186.7	2.181	33.95	57.5	SO312	.02200	6.0331	0.4	A
	9041	33050.73	14	37S	17	39E	100.9	186.7	3.439	-22.05	54.1	SO312	.03070	7.1968	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
107 9042	33054.53	14 37S	17 39E	101.9	186.7	3.439	-21.35	54.1	SO312	.03070	7.0317	0.6	A
9043	33106.93	18 28S	17 5E	101.5	186.9	3.232	-16.80	51.0	SO312	.03070	7.1390	0.8	V
9044	33110.73	18 28S	17 4E	102.9	186.9	3.439	-16.80	51.0	SO312	.03070	6.9575	0.8	A
9045	33120.93	19 33S	18 7E	109.6	186.9	2.530	22.40	50.8	SO312	.02200	6.6026	1.0	V
9046	33125.13	19 34S	18 8E	111.9	186.9	2.530	23.10	50.8	SO312	.02200	6.3467	1.0	A
9047	33160.73	22 5S	16 1E	110.7	187.0	3.232	-26.60	47.7	SO312	.03070	6.5283	0.6	V
9048	33164.93	22 5S	16 0E	112.2	187.0	3.439	-26.60	47.7	SO312	.03070	6.3797	0.6	A
108 9001	36939.73	80 48N	47 37E	80.8	224.6	0.292	-3.50	20.6	SO312	.04070	9.0620	0.4	V
9002	36942.73	80 48N	47 36E	81.7	223.8	0.292	-3.50	20.6	SO312	.04070	8.8639	0.4	A
9003	37520.33	43 3N	6 28E	83.3	188.9	2.181	-30.10	55.8	SO312	.02200	8.7979	0.4	V
9004	37523.33	43 3N	6 29E	84.1	188.9	2.181	-29.75	55.8	SO312	.02200	8.6493	0.4	A
9005	37630.13	35 25N	5 24E	73.7	188.0	2.738	-4.90	61.8	SO312	.03070	9.9780	0.6	V
9006	37632.93	35 25N	5 23E	74.6	188.0	2.738	-4.90	61.8	SO312	.03070	9.7305	0.6	A
110 9001	48985.73	15 45S	47 55W	99.8	186.8	3.092	10.50	53.7	SO312	.03070	7.2050	0.6	F
9002	48989.53	15 46S	47 56W	99.3	186.8	2.881	10.50	53.7	SO312	.03070	7.3041	0.4	V
9003	48993.33	15 46S	47 53W	102.0	186.8	2.881	12.95	53.7	SO312	.03070	6.9822	0.6	A
111 9001	53898.33	11 51N	66 11W	88.6	186.6	3.232	-26.60	69.2	SO312	.03070	8.1789	1.2	A
9002	54314.33	17 10S	70 54W	98.5	186.8	3.232	-9.80	52.1	SO312	.03070	7.2793	0.6	F
9003	54323.13	17 53S	70 9W	106.0	186.8	2.738	18.55	52.1	SO312	.01650	6.7841	0.6	F
9004	54328.13	17 57S	70 14W	104.2	186.8	2.738	16.80	52.0	SO312	.01650	6.9492	1.2	V
9005	54332.13	18 30S	70 18W	106.3	186.8	2.738	17.50	51.5	SO312	.03070	6.7594	0.4	F
9006	54335.93	18 30S	70 17W	105.9	186.9	2.738	18.20	51.6	SO312	.03070	6.8347	0.4	V
9007	54338.93	18 26S	70 18W	107.0	186.9	2.530	17.85	51.6	SO312	.02200	6.6521	1.2	A
9008	54350.93	19 35S	69 54W	122.7	186.9	2.037	33.25	51.0	SO312	.01650	5.8928	1.0	V
9009	54355.93	20 12S	70 9W	119.3	186.9	2.390	29.40	50.3	SO312	.02200	6.0249	0.8	F
9010	54360.13	20 29S	70 10W	120.5	186.9	2.390	30.10	50.1	SO312	.01650	5.9588	1.4	F
9011	54364.53	20 30S	70 10W	120.2	186.9	2.181	30.80	50.1	SO312	.01650	6.0249	1.2	V
112 9001	58791.53	40 6N	82 55W	87.8	188.5	2.181	-35.35	58.0	SO312	.02200	8.3687	3.0	V
113 5001	64287.13	26 53N	106 30W	77.9	187.3	2.738	15.05	67.4	SO130	.01660	9.4177	1.2	V
5002	64299.73	26 16N	107 11W	75.6	187.2	3.092	-7.35	67.3	SO130	.01660	9.6076	0.8	A
5003	64314.33	25 17N	107 30W	76.7	187.2	3.092	-11.90	67.7	SO130	.01660	9.4673	0.8	A
9001	64296.93	26 16N	107 11W	74.6	187.3	2.881	-7.35	67.3	SO312	.03070	9.8295	0.6	V
9002	64299.73	26 16N	107 11W	75.6	187.2	3.092	-7.35	67.3	SO312	.03070	9.6067	0.6	A
9003	64311.53	25 16N	107 29W	75.7	187.2	3.092	-11.90	67.7	SO312	.03070	9.6892	0.6	V
9004	64314.33	25 16N	107 30W	76.7	187.2	3.092	-11.90	67.7	SO312	.03070	9.4664	0.6	A
118 9001	4182.33	44 5N	145 47E	80.6	189.1	2.181	-25.20	55.2	SO312	.03070	8.9794	0.6	F
9002	4192.93	43 47N	145 30E	84.1	189.0	2.181	-30.10	55.4	SO312	.02200	8.6493	0.4	A
9003	4198.93	43 20N	145 37E	79.9	188.9	2.390	-24.15	55.8	SO312	.03070	9.1115	0.6	A
119 9001	9148.13	67 41N	134 42E	79.6	197.1	1.135	-15.40	34.4	SO312	.03070	9.1280	0.4	A
9002	9421.53	49 14N	125 18E	78.3	189.9	2.181	-21.00	51.0	SO312	.03070	9.2765	0.4	A
9003	9459.93	46 34N	124 54E	74.6	189.4	2.390	-9.10	53.4	SO312	.04070	9.7387	0.6	A
9004	9490.33	43 57N	125 20E	85.0	189.1	2.181	26.95	55.9	SO312	.02200	8.5833	1.0	F
9005	9496.93	43 34N	124 49E	77.8	189.0	2.390	15.40	56.1	SO312	.03070	9.3508	1.0	F
9006	9502.93	43 9N	124 43E	78.3	189.0	2.390	16.45	56.4	SO312	.03070	9.3013	0.8	F
9007	9506.73	43 5N	124 40E	76.9	188.9	2.390	15.40	56.5	SO312	.03070	9.5571	0.6	V
9008	9515.13	42 34N	123 59E	73.2	188.8	2.530	-2.10	56.7	SO312	.04070	10.0358	1.0	V
9009	9520.73	42 23N	123 51E	74.1	188.8	2.530	-4.55	56.8	SO312	.04070	9.7965	0.4	A
9010	9524.53	41 56N	123 43E	73.3	188.7	2.530	-5.60	57.2	SO312	.04070	10.0193	0.4	V
9011	9527.13	41 57N	123 42E	74.2	188.7	2.530	-5.60	57.2	SO312	.04070	9.7800	0.6	A
9012	9534.13	41 9N	122 54E	80.9	188.7	2.181	-25.55	57.5	SO312	.03070	8.9547	0.4	F
9013	9537.33	41 8N	122 52E	80.1	188.6	2.390	-25.90	57.6	SO312	.03070	9.1693	0.6	V
9014	9540.33	41 8N	122 52E	81.1	188.6	2.390	-25.90	57.6	SO312	.02200	8.9712	0.6	A
9015	9543.93	40 53N	122 46E	81.7	188.6	2.390	-26.95	57.7	SO312	.02200	8.8969	0.8	A
9016	9556.13	39 40N	122 3E	92.3	188.5	2.037	-38.15	58.5	SO312	.02200	7.8240	1.0	F
9017	9561.93	39 29N	122 1E	90.5	188.4	2.037	-37.45	58.6	SO312	.02200	8.1129	0.8	V
9018	9565.33	39 29N	122 1E	91.2	188.4	2.037	-37.10	58.6	SO312	.02200	7.9808	0.8	A
9019	9587.73	37 24N	122 41E	74.3	188.2	2.738	-2.10	60.7	SO312	.03070	9.7717	0.4	F
9020	9590.33	37 25N	122 40E	73.5	188.2	2.738	-2.10	60.7	SO312	.03070	9.9946	0.4	V
9021	9596.93	37 13N	122 4E	78.7	188.1	2.530	-21.35	60.5	SO312	.03070	9.2435	0.4	A
9022	9663.13	32 26N	121 17E	75.0	187.7	2.738	-11.20	63.9	SO312	.03070	9.7965	0.4	V
9023	9671.33	31 49N	121 40E	75.8	187.7	2.738	8.75	64.6	SO312	.03070	9.6892	0.4	V
9024	9675.93	31 18N	121 34E	76.7	187.6	2.738	8.75	64.9	SO312	.04070	9.4829	0.6	F
9025	9678.73	31 18N	121 34E	75.8	187.6	2.738	8.75	64.9	SO312	.04070	9.6809	0.8	V
9026	9681.93	31 16N	121 33E	76.8	187.6	2.738	8.75	65.0	SO312	.04070	9.4251	0.4	A
120 5001	14853.33	40 27N	99 48E	101.1	188.6	1.690	-44.45	57.8	SO130	.01250	7.1479	1.2	F
5002	14856.93	40 27N	99 49E	99.4	188.5	1.690	-44.10	57.8	SO130	.01250	7.3790	1.2	V
5003	15052.33	26 44N	97 18E	89.5	187.3	2.530	-35.35	66.6	SO130	.01660	8.0641	1.2	F
5004	15056.33	26 27N	97 14E	90.3	187.3	2.530	-35.70	66.7	SO130	.01660	7.9898	1.0	F
5005	15061.93	26 4N	96 59E	96.1	187.2	2.390	-40.25	66.8	SO130	.01660	7.5111	1.0	F
5006	15067.53	26 10N	96 57E	97.1	187.2	2.530	-40.60	66.7	SO130	.01660	7.4946	1.0	A
5007	15073.13	25 18N	96 40E	102.0	187.2	2.181	-43.75	67.0	SO130	.01250	7.0571	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
120 5008	15089.13	24 0E	98 29E	88.3	187.1	2.530	28.00	69.1	S0130	.01660	8.2704	2.2	F
5009	15097.13	23 38N	98 45E	99.1	187.1	2.181	37.80	69.5	S0130	.01660	7.4120	1.2	V
5010	15103.13	23 13N	98 36E	97.2	187.1	2.181	36.05	69.6	S0130	.01660	7.5606	1.0	V
5011	15108.73	22 49N	98 41E	102.7	187.1	2.037	40.25	69.9	S0130	.01250	7.1396	1.0	V
5012	15111.73	22 37N	98 39E	103.6	187.1	2.037	40.25	70.0	S0130	.01250	7.0819	1.0	V
5013	15116.93	22 17N	98 21E	95.1	187.0	2.037	35.00	69.9	S0130	.01660	7.7092	0.8	V
5014	15122.33	21 57N	98 28E	104.9	187.0	2.181	40.25	70.3	S0130	.01250	6.9663	0.8	F
5015	15127.73	21 30N	98 30E	106.8	187.0	2.037	42.00	70.4	S0130	.01250	6.8673	1.0	V
5016	15130.93	21 1N	98 26E	108.4	187.0	2.037	42.00	70.6	S0130	.01250	6.7352	1.8	F
5017	15136.13	21 12N	98 19E	103.9	187.0	2.037	39.55	70.4	S0130	.01250	6.9415	0.8	A
5018	15140.13	20 55N	98 11E	100.6	187.0	2.037	37.45	70.4	S0130	.01250	7.1644	1.0	A
5019	15144.53	20 7N	98 2E	100.1	186.9	2.390	36.75	70.6	S0130	.01250	7.2882	0.8	F
5020	15149.53	20 2N	97 55E	96.4	186.9	2.390	34.65	70.6	S0130	.01660	7.6019	1.2	V
5021	15154.53	19 56N	97 49E	95.3	186.9	2.181	32.55	70.5	S0130	.01660	7.5854	1.0	A
5022	15161.13	19 29N	98 12E	112.8	186.9	1.826	44.10	71.1	S0130	.01250	6.3968	1.2	A
9001	14475.33	65 57N	112 21E	76.9	196.2	1.338	3.85	36.2	S0312	.03070	9.4251	0.4	F
9002	14478.13	65 56N	112 20E	76.0	196.1	1.338	3.85	36.2	S0312	.03070	9.6562	0.4	V
9003	14770.73	46 23N	102 50E	73.4	189.4	2.390	-5.60	53.6	S0312	.04070	9.9038	0.6	A
9004	14885.13	38 13N	100 15E	76.6	188.3	2.530	-20.30	59.9	S0312	.03070	9.4499	0.4	F
9005	14888.73	38 9N	100 11E	76.2	188.3	2.530	-21.70	59.9	S0312	.03070	9.6314	0.6	V
9006	14891.53	38 9N	100 10E	77.1	188.2	2.530	-21.70	59.9	S0312	.03070	9.4251	0.6	A
9007	14907.73	36 36N	100 30E	73.1	188.1	2.738	2.45	61.3	S0312	.03070	9.9533	0.4	F
9008	14910.33	36 36N	100 29E	72.3	188.1	2.738	2.45	61.3	S0312	.03070	10.1761	0.4	V
9009	14915.93	36 23N	100 29E	73.5	188.1	2.738	4.90	61.5	S0312	.03070	9.8625	1.4	A
9010	15198.53	16 47N	96 11E	78.5	186.8	3.232	-7.35	70.0	S0312	.03070	9.3343	0.4	V
9011	15201.53	16 47N	96 10E	79.5	186.8	3.232	-7.00	70.0	S0312	.03070	9.1032	0.4	A
121 9001	19920.73	56 42N	84 58E	75.9	191.9	1.826	7.35	44.7	S0312	.04070	9.5654	0.4	F
9002	19923.33	56 43N	84 57E	75.1	191.9	1.826	7.35	44.7	S0312	.04070	9.7965	1.4	V
9003	19926.93	56 39N	84 55E	75.9	191.8	1.826	7.35	44.8	S0312	.04070	9.5571	1.0	A
9004	19934.53	55 42N	85 0E	80.1	191.7	1.826	18.90	45.7	S0312	.04070	9.0867	0.4	F
9005	19946.53	55 5N	82 60E	80.7	191.4	1.690	-23.80	46.0	S0312	.02200	8.9712	0.4	F
9006	19949.33	55 5N	82 59E	79.8	191.4	1.690	-23.80	46.0	S0312	.02200	9.2023	0.6	V
9007	20001.53	51 37N	82 36E	74.3	190.4	2.037	-0.35	49.2	S0312	.03070	9.7717	0.4	A
9008	20008.33	51 11N	82 14E	74.4	190.3	2.181	-6.65	49.6	S0312	.03070	9.7635	0.6	A
9009	20026.53	49 37N	81 9E	79.3	190.1	2.037	-22.75	50.7	S0312	.04070	9.1280	0.6	F
9010	20032.13	49 14N	81 2E	79.0	190.0	2.037	-22.40	51.1	S0312	.04070	9.1610	0.4	F
9011	20034.93	49 14N	81 2E	78.1	190.0	2.037	-22.40	51.1	S0312	.04070	9.4003	0.4	V
9012	2003H.73	48 58N	81 1E	77.1	189.9	2.037	-20.30	51.3	S0312	.04070	9.5324	0.6	V
9013	20041.53	48 59N	81 1E	78.0	189.9	2.037	-20.30	51.3	S0312	.04070	9.3261	0.6	A
9014	20050.93	47 58N	80 23E	83.4	189.7	1.826	-29.05	52.0	S0312	.03070	8.6658	0.4	F
9015	20057.13	47 57N	80 26E	81.9	189.7	2.037	-27.30	52.1	S0312	.03070	8.8887	0.6	A
9016	20152.33	41 14N	80 16E	83.9	188.6	2.037	26.25	58.1	S0312	.03070	8.6246	0.4	A
9017	20179.73	39 32N	78 14E	80.6	188.4	2.530	-26.25	58.8	S0312	.03070	9.0290	0.4	A
9018	20257.13	33 55N	77 46E	74.2	187.8	2.738	3.15	63.2	S0312	.02200	9.9038	0.4	V
9019	20259.73	33 56N	77 46E	75.1	187.8	2.738	3.15	63.2	S0312	.02200	9.6479	0.6	A
9020	20305.93	30 24N	76 50E	75.3	187.6	2.881	-3.85	65.3	S0312	.02200	9.6479	0.8	F
9021	20315.93	30 1N	77 26E	83.5	187.5	2.390	22.75	66.0	S0312	.02200	8.6493	0.8	A
9022	20328.13	28 44N	77 22E	88.4	187.4	2.530	28.35	66.8	S0312	.02200	8.2532	0.8	F
9023	20333.33	28 37N	77 9E	82.9	187.4	2.530	22.75	66.8	S0312	.02200	8.8639	0.6	V
9024	20336.53	28 36N	77 8E	84.0	187.4	2.530	22.75	66.8	S0312	.02200	8.6081	1.0	A
9025	20349.33	27 33N	76 40E	78.3	187.3	2.738	13.65	67.2	S0312	.03070	9.3756	0.6	V
9026	20352.13	27 33N	76 39E	79.3	187.3	2.738	13.65	67.2	S0312	.03070	9.1197	0.6	A
9027	20385.93	24 54N	75 37E	76.6	187.2	3.092	-7.35	68.0	S0312	.03070	9.4664	0.4	F
9028	20388.73	24 53N	75 36E	75.8	187.2	3.092	-7.35	68.0	S0312	.03070	9.6809	0.4	V
9029	20484.33	18 35N	73 50E	86.7	186.9	3.092	-28.00	69.4	S0312	.03070	8.3687	0.6	A
122 5001	25354.13	48 44N	58 3E	92.8	189.8	1.690	-38.15	51.3	S0130	.01660	7.8495	3.6	A
5002	25399.13	45 10N	59 19E	83.7	189.2	2.181	26.25	55.0	S0130	.02210	8.7987	0.8	V
5003	25402.53	45 9N	59 19E	85.0	189.2	2.181	26.60	55.0	S0130	.02210	8.5428	1.2	A
9001	24980.33	73 32N	75 49E	78.6	203.1	0.787	-4.55	28.8	S0312	.03070	9.2188	0.4	A
9002	25239.53	56 15N	63 9E	80.7	191.7	1.690	19.95	45.3	S0312	.03070	8.9794	0.4	A
9003	25254.33	55 11N	61 29E	74.6	191.4	1.826	-10.15	46.0	S0312	.04070	9.8543	0.6	V
9004	25257.13	55 10N	61 29E	75.4	191.3	1.826	-10.15	46.0	S0312	.04070	9.6314	0.6	A
9005	25311.53	51 8N	59 39E	78.0	190.4	1.826	-19.60	49.5	S0312	.04070	9.2765	0.4	F
9006	25314.33	51 8N	59 38E	77.0	190.4	2.037	-19.60	49.5	S0312	.04070	9.5324	1.2	V
9007	25319.33	50 47N	59 37E	76.1	190.3	2.037	-17.15	49.8	S0312	.04070	9.6562	0.6	V
9008	25322.33	50 46N	59 36E	77.0	190.2	2.037	-17.15	49.8	S0312	.04070	9.4499	0.4	A
9009	25347.53	48 43N	58 1E	93.8	189.9	1.484	-38.85	51.3	S0312	.02200	7.7250	3.2	F
9010	25354.13	48 44N	58 3E	92.7	189.8	1.690	-38.15	51.3	S0312	.02200	7.8488	3.2	A
9011	25396.13	45 10N	59 20E	84.6	189.3	2.181	26.25	55.0	S0312	.03070	8.6246	0.8	F
9012	25399.13	45 10N	59 19E	83.7	189.2	2.181	26.25	55.0	S0312	.03070	8.7979	0.8	V
9013	25402.73	45 8N	59 19E	84.9	189.2	2.181	26.60	55.0	S0312	.03070	8.5420	0.8	A
123 5001	30712.13	45 3N	35 58E	74.9	189.2	2.390	-10.15	54.7	S0130	.02210	9.7066	1.0	A
9001	30513.73	58 4N	41 40E	77.9	192.4	1.826	13.65	43.6	S0312	.04070	9.3343	1.0	F
9002	30516.13	57 55N	41 35E	77.9	192.4	1.826	13.65	43.7	S0312	.04070	9.3426	0.4	F
9003	30519.33	57 41N	41 31E	78.2	192.3	1.826	14.35	43.9	S0312	.04070	9.3096	3.0	F
9004	30525.93	57 38N	41 18E	76.9	192.1	1.826	10.85	44.0	S0312	.04070	9.4416	0.4	A
9005	30529.93	56 60N	40 60E	76.6	192.1	1.826	10.15	44.5	S0312	.04070	9.4911	0.6	F
9006	30532.73	56 60N	40 59E	75.7	192.0	1.826	10.15	44.5	S0312	.04070	9.7057	0.6	V
9007	30545.53	55 58N	40 19E	75.3	191.7	1.826	4.90	45.4	S0312	.04070	9.6562	0.4	F

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
123 9008	30548.13	55 59N	40 18E	74.4	191.7	1.826	4.90	45.4	SO312	.04070	9.8790	0.4	V
9009	30551.53	55 56N	40 19E	75.5	191.6	1.826	5.95	45.5	SO312	.04070	9.6232	0.8	A
9010	30561.13	54 58N	39 27E	74.9	191.4	1.826	-6.65	46.3	SO312	.04070	9.6609	0.6	F
9011	30567.73	54 40N	39 35E	73.8	191.3	1.826	0.35	46.6	SO312	.04070	9.9615	0.6	V
9012	30570.53	54 40N	39 34E	74.7	191.2	2.037	0.35	46.6	SO312	.04070	9.7222	0.6	A
9013	30579.53	53 59N	38 11E	82.0	191.1	1.690	-27.65	46.9	SO312	.04070	8.9464	0.6	V
9014	30582.73	53 59N	38 10E	83.0	191.0	1.690	-27.65	47.0	SO312	.04070	8.7649	0.4	A
9015	30597.93	52 30N	39 43E	82.8	190.7	1.826	25.20	48.7	SO312	.04070	8.8687	0.4	V
9016	30600.93	52 31N	39 42E	83.8	190.7	1.826	25.20	48.7	SO312	.03070	8.6576	0.4	A
9017	30610.33	51 41N	39 12E	79.9	190.5	1.826	21.00	49.4	SO312	.04070	9.2105	1.8	V
9018	30614.53	51 36N	39 10E	80.8	190.5	1.826	21.00	49.4	SO312	.04070	8.9712	1.0	A
9019	30640.53	49 49N	36 47E	81.7	190.1	1.826	-27.65	50.5	SO312	.04070	9.0042	0.4	V
9020	30643.53	49 49N	36 47E	82.2	190.0	2.037	-27.30	50.6	SO312	.03070	8.8391	0.4	A
9021	30656.53	48 20N	38 8E	82.5	189.8	2.037	23.80	52.3	SO312	.03070	8.8309	0.8	F
9022	30659.73	48 19N	38 7E	81.6	189.8	2.037	23.80	52.4	SO312	.03070	9.0124	0.4	V
9023	30664.13	48 1N	37 56E	80.2	189.7	2.037	21.70	52.5	SO312	.03070	9.1693	0.4	V
9024	30667.33	48 0N	37 54E	80.8	189.7	2.037	21.00	52.5	SO312	.03070	8.9712	1.0	A
9025	30676.73	47 10N	37 35E	79.0	189.6	2.037	19.60	53.2	SO312	.04070	9.3013	0.4	V
9026	30679.73	47 10N	37 34E	80.0	189.6	2.037	19.60	53.2	SO312	.03070	9.0620	1.0	A
9027	30702.73	45 17N	36 26E	74.3	189.3	2.390	1.75	54.6	SO312	.04070	9.7800	0.4	F
9028	30705.33	45 17N	36 25E	73.5	189.3	2.390	1.75	54.6	SO312	.05390	9.9946	0.6	V
9029	30711.93	45 4N	35 59E	74.9	189.2	2.390	-10.15	54.7	SO312	.04070	9.7057	0.8	A
9030	30849.93	35 10N	33 55E	75.5	188.0	2.738	5.60	62.4	SO312	.03070	9.6314	0.4	F
9031	30856.73	34 56N	33 24E	74.6	187.9	2.738	-11.20	62.4	SO312	.03070	9.8460	0.4	V
9032	30859.53	34 56N	33 23E	75.5	187.9	2.738	-11.20	62.4	SO312	.03070	9.6149	0.4	A
9033	30920.53	30 40N	33 13E	80.5	187.6	2.530	18.20	65.6	SO312	.03070	8.9877	0.4	A
9034	30929.73	29 54N	32 29E	74.7	187.5	2.881	-3.85	65.7	SO312	.04070	9.8212	0.6	V
9035	30932.53	29 54N	32 29E	75.7	187.5	2.881	-3.85	65.7	SO312	.04070	9.5737	0.6	A
9036	31037.53	22 24N	31 48E	83.9	187.0	2.738	21.35	69.6	SO312	.01650	8.7401	0.6	V
9037	31040.73	22 24N	31 37E	85.1	187.0	2.530	21.70	69.6	SO312	.01650	8.4843	0.6	A
9038	31490.93	8 39S	25 11E	92.7	186.6	3.439	-12.95	58.8	SO312	.03070	7.8405	0.8	V
9039	31494.33	8 39S	25 11E	93.9	186.6	3.439	-12.60	58.8	SO312	.03070	7.6425	0.8	A
9040	31621.33	17 37S	24 11E	100.2	186.8	2.881	9.10	52.0	SO312	.02200	7.2381	0.4	V
9041	31624.93	17 37S	24 11E	101.8	186.8	2.881	9.45	52.0	SO312	.02200	6.9987	0.6	A
9042	31767.93	27 45S	21 28E	109.1	187.3	3.092	-14.00	42.7	SO312	.03070	6.5448	0.4	F
9043	31771.93	27 46S	21 28E	107.9	187.4	3.092	-13.30	42.7	SO312	.03070	6.6851	0.8	V
9044	31776.13	27 46S	21 29E	109.2	187.4	3.092	-12.60	42.7	SO312	.03070	6.5118	0.6	A
9045	31781.73	28 25S	21 16E	109.1	187.4	3.092	-15.05	42.1	SO312	.03070	6.6108	0.6	V
9046	31785.73	28 24S	21 16E	110.6	187.4	3.092	-14.70	42.1	SO312	.03070	6.4293	0.6	A
124 9001	35917.53	51 34N	15 38E	77.5	190.5	1.826	-18.20	49.2	SO312	.02200	9.3426	0.6	F
9002	35920.33	51 34N	15 38E	76.5	190.5	2.037	-18.20	49.2	SO312	.02200	9.5984	0.6	V
9003	35926.93	51 10N	15 1E	83.4	190.4	1.826	-29.75	49.4	SO312	.02200	8.8226	0.8	V
9004	35930.33	51 9N	15 0E	84.1	190.3	1.826	-29.40	49.4	SO312	.02200	8.6411	0.4	A
9005	35935.93	50 33N	14 49E	83.1	190.2	1.826	-29.75	49.9	SO312	.03070	8.8226	0.4	V
9006	35938.93	50 34N	14 49E	84.0	190.2	2.037	-29.75	49.9	SO312	.03070	8.6658	0.6	A
9007	36193.13	32 30N	11 52E	87.4	187.7	2.390	28.00	64.6	SO312	.03070	8.3440	0.4	F
9008	36196.33	32 30N	11 52E	86.9	187.7	2.181	28.70	64.6	SO312	.03070	8.4678	0.4	V
9009	36303.33	25 9N	10 9E	84.9	187.2	2.530	24.50	68.6	SO312	.01650	8.6576	0.6	V
9010	36515.73	10 32N	7 26E	91.6	186.6	2.738	25.20	70.3	SO312	.02200	7.9891	0.4	V
9011	36519.13	10 32N	7 26E	93.3	186.6	2.530	25.90	70.3	SO312	.02200	7.7085	0.4	A
9012	37136.93	31 33S	0 39W	113.5	187.7	2.530	8.75	39.7	SO312	.02200	6.2394	1.4	A
9013	37182.33	34 38S	0 44W	125.5	187.9	2.037	22.40	37.1	SO312	.02200	5.6205	1.0	A
125 9001	41582.13	27 10N	13 13W	91.0	187.3	2.530	-36.40	66.5	SO312	.01650	8.0716	0.8	V
9002	41585.53	27 10N	13 13W	91.6	187.3	2.738	-36.05	66.5	SO312	.01650	7.9313	0.6	A
126 9001	47452.53	11 44S	42 2W	100.1	186.7	3.439	-24.15	56.1	SO312	.03070	7.2463	1.4	V
9002	47521.53	16 44S	42 24W	98.1	186.8	3.232	-5.95	52.4	SO312	.03070	7.3123	0.8	F
128 9001	57294.93	40 52N	74 7W	96.2	188.6	1.690	37.45	58.7	SO312	.02200	7.5021	3.0	A
9002	57557.53	22 35N	79 55W	81.3	187.0	2.881	-21.00	68.7	SO312	.04070	8.8887	1.6	F
9003	57570.93	21 51N	79 59W	79.3	187.0	3.092	-17.85	69.0	SO312	.03070	9.2435	1.8	V
9004	57752.13	9 22N	82 13W	83.6	186.6	3.232	-16.10	69.0	SO312	.03070	8.7484	0.6	V
9005	57755.33	9 22N	82 13W	84.5	186.6	3.439	-15.75	69.0	SO312	.03070	8.5585	0.6	A
9006	57765.73	8 26N	82 25W	84.4	186.6	3.232	-17.15	68.6	SO312	.03070	8.6658	0.4	V
9007	57768.73	8 27N	82 25W	85.4	186.6	3.439	-17.15	68.6	SO312	.03070	8.4678	0.6	A
129 5001	62923.74	18 31N	101 18W	99.4	186.9	2.181	35.00	71.0	SO130	.01250	7.2635	1.2	A
9001	62652.93	36 48N	98 21W	74.8	188.1	2.738	4.20	61.4	SO312	.03070	9.7140	0.6	F
9002	62658.34	36 48N	98 21W	75.1	188.1	2.738	4.90	61.4	SO312	.03070	9.6562	0.6	A
9003	63591.34	27 7S	109 25W	125.9	187.3	2.037	29.40	44.0	SO312	.02200	5.6040	1.4	A
134 9001	2600.94	50 3N	155 24E	79.7	190.2	2.181	19.95	51.0	SO312	.02200	9.2270	0.4	V
9002	2603.74	50 3N	155 24E	80.6	190.1	2.181	19.95	51.0	SO312	.02200	8.9959	0.4	A
9003	2629.34	48 5N	153 17E	79.4	189.8	2.181	-22.40	52.3	SO312	.03070	9.1197	0.4	F
9004	2632.14	48 5N	153 17E	78.5	189.7	2.181	-22.40	52.3	SO312	.03070	9.3508	0.4	V
9005	2637.94	47 42N	153 0E	80.9	189.7	2.181	-26.60	52.6	SO312	.03070	9.0620	0.8	V
9006	2640.94	47 42N	152 60E	81.9	189.6	2.181	-26.60	52.6	SO312	.03070	8.8804	0.8	A
135 9001	7927.54	48 45N	132 60E	83.1	189.9	2.181	23.80	52.2	SO312	.03070	8.7731	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
135 9002	7930.54	48 45N	132 59E	82.1	189.9	2.181	23.80	52.2	SO312	.03070	8.9629	0.6	V
9003	7981.14	45 4N	131 60E	86.9	189.3	2.181	28.70	55.3	SO312	.03070	8.4817	0.6	F
9004	7994.14	44 22N	130 19E	76.2	189.1	2.390	-16.10	55.4	SO312	.03070	9.5159	0.4	F
9005	8000.54	44 22N	129 54E	81.7	189.1	2.181	-27.30	55.3	SO312	.03070	8.9052	0.4	A
9006	8007.94	43 27N	129 41E	81.8	189.0	2.181	-26.95	56.1	SO312	.02200	8.8309	0.6	F
9007	8014.54	42 58N	129 52E	77.3	188.9	2.390	-18.20	56.5	SO312	.03070	9.3756	0.6	F
9008	8018.54	42 42N	129 47E	77.1	188.9	2.390	-18.55	56.8	SO312	.03070	9.3921	0.4	F
9009	8025.74	42 14N	129 13E	85.0	188.8	2.037	-31.15	56.9	SO312	.03070	8.5090	0.4	F
9010	8033.34	41 51N	129 45E	74.5	188.7	2.530	-11.90	57.5	SO312	.03070	9.8543	1.2	V
9011	8037.14	41 47N	129 43E	75.4	188.7	2.530	-11.90	57.6	SO312	.03070	9.8397	1.4	A
9012	8059.54	40 21N	128 40E	86.7	188.5	2.390	-32.90	58.4	SO312	.03070	8.4017	0.6	A
9013	8131.14	34 57N	128 5E	75.9	188.0	2.738	-12.25	62.6	SO312	.03070	9.5654	0.8	F
9014	8139.74	34 46N	127 46E	79.1	187.9	2.738	-21.35	62.6	SO312	.03070	9.1858	0.8	A
136 5001	13190.94	51 45N	113 2E	100.6	190.6	1.690	43.40	49.8	SO130	.01660	6.8508	0.8	F
5002	13662.54	19 45N	102 10E	93.5	186.9	2.738	-36.05	69.1	SO130	.01660	7.7174	1.0	F
5003	13670.74	19 27N	101 50E	101.8	186.9	2.530	-43.05	68.9	SO130	.01250	7.1727	0.8	V
5004	13676.74	19 16N	101 56E	98.0	186.9	2.738	-39.55	69.1	SO130	.01660	7.4368	1.0	A
9001	13200.54	51 33N	111 13E	74.5	190.5	2.037	7.35	49.6	SO312	.03070	9.8708	0.4	V
9002	13207.34	51 21N	110 27E	75.5	190.4	2.037	-12.25	49.7	SO312	.03070	9.6314	0.4	A
9003	13275.34	46 22N	108 25E	81.3	189.5	2.037	-25.55	53.7	SO312	.03070	8.9052	0.8	F
9004	13281.14	46 23N	108 22E	81.0	189.4	2.181	-26.80	53.7	SO312	.03070	8.9712	0.4	A
9005	13408.74	37 25N	106 8E	79.5	188.2	2.390	-25.20	60.7	SO312	.03070	9.2435	0.8	V
9006	13411.74	37 25N	106 7E	80.5	188.2	2.390	-25.20	60.7	SO312	.03070	9.0455	0.8	A
9007	13448.74	34 18N	106 52E	83.7	187.9	2.530	-25.55	63.6	SO312	.03070	8.7153	0.4	F
9008	13453.94	33 56N	106 45E	83.7	187.9	2.530	-24.50	63.8	SO312	.03070	8.7153	0.4	F
9009	13456.54	33 58N	106 45E	82.8	187.9	2.530	-24.50	63.8	SO312	.03070	8.8887	0.6	V
9010	13459.54	33 58N	106 44E	83.8	187.8	2.530	-24.50	63.8	SO312	.03070	8.8411	0.6	A
9011	13734.54	14 55N	102 6E	79.2	186.7	3.232	-6.65	70.2	SO312	.03070	9.2518	0.6	V
9012	13737.54	14 55N	102 5E	80.2	186.7	3.232	-6.65	70.2	SO312	.03070	9.0124	0.6	A
137 9001	18407.74	58 28N	92 17E	77.4	192.5	1.690	13.30	43.5	SO312	.03070	9.4911	0.4	V
9002	18410.54	58 28N	92 16E	78.3	192.4	1.690	13.30	43.5	SO312	.02200	9.2600	0.4	A
9003	18436.54	56 15N	91 47E	84.3	191.8	1.826	24.85	45.6	SO312	.02200	8.6411	1.8	F
9004	18440.74	56 10N	91 43E	83.3	191.7	1.826	24.85	45.7	SO312	.02200	8.8309	0.4	V
9005	18449.54	55 31N	90 19E	75.0	191.6	2.037	-1.75	46.1	SO312	.04070	9.6809	0.6	F
9006	18452.34	55 31N	90 18E	74.1	191.5	1.826	-1.75	46.1	SO312	.04070	9.9120	0.4	V
9007	18456.34	55 14N	90 15E	74.1	191.4	2.037	0.00	46.4	SO312	.04070	9.9203	0.6	V
9008	18459.14	55 14N	90 15E	74.9	191.4	2.037	0.00	46.4	SO312	.04070	9.6892	0.6	A
9009	18617.94	43 52N	87 34E	90.9	189.1	2.181	32.90	56.4	SO312	.02200	8.0386	1.0	F
9010	18625.14	43 38N	87 7E	81.6	189.0	2.181	24.15	56.5	SO312	.03070	9.0207	1.0	V
9011	18629.54	43 32N	87 8E	83.3	189.0	2.181	25.55	56.6	SO312	.02200	8.6988	0.6	A
9012	18647.14	42 22N	86 23E	76.8	188.8	2.390	13.30	57.4	SO312	.03070	9.4416	0.6	A
9013	18657.14	41 41N	86 9E	76.3	188.7	2.390	11.55	57.9	SO312	.03070	9.4994	0.6	A
9014	18891.54	25 28N	81 44E	77.6	187.2	2.881	-15.40	67.9	SO312	.03070	9.4416	0.6	V
9015	18894.34	25 28N	81 44E	78.6	187.2	3.092	-15.40	67.9	SO312	.03070	9.2353	0.8	A
9016	19029.94	15 52N	80 30E	80.3	186.8	3.092	8.05	70.6	SO312	.03070	9.1115	0.6	V
9017	19032.94	15 52N	80 29E	81.4	186.8	3.092	8.05	70.6	SO312	.03070	8.8639	0.6	A
138 9001	23901.74	46 2N	64 2E	81.0	189.4	2.037	-26.60	54.0	SO312	.03070	9.0620	0.4	V
9002	23904.74	46 2N	64 2E	81.7	189.3	2.037	-26.25	54.0	SO312	.03070	8.9052	0.4	A
139 9001	29009.34	59 29N	48 51E	80.0	192.9	1.690	18.90	42.7	SO312	.04070	9.1858	0.6	V
9002	29012.34	59 29N	48 50E	80.9	192.8	1.690	18.90	42.7	SO312	.04070	8.9629	0.6	A
9003	29069.14	55 30N	46 27E	75.3	191.5	1.826	8.05	46.2	SO312	.04070	9.7552	0.6	V
9004	29071.94	55 30N	46 26E	76.2	191.5	1.826	8.05	46.2	SO312	.04070	9.5241	0.6	A
9005	29083.74	54 40N	44 38E	82.7	191.2	1.690	-28.00	46.7	SO312	.04070	8.8639	0.4	V
9006	29086.74	54 40N	44 39E	83.5	191.2	1.690	-27.65	46.7	SO312	.04070	8.7071	0.4	A
9007	29104.14	53 12N	44 54E	74.3	190.9	2.037	-8.40	48.1	SO312	.04070	9.8873	0.4	V
9008	29106.94	53 12N	44 53E	75.2	190.8	2.037	-8.40	48.1	SO312	.04070	9.6644	0.4	A
9009	29116.54	52 16N	45 23E	77.0	190.7	2.037	14.35	49.1	SO312	.04070	9.5408	0.6	V
9010	29145.34	50 14N	45 14E	85.9	190.2	1.826	28.70	51.0	SO312	.03070	8.5668	1.0	V
9011	29148.54	50 14N	45 13E	86.9	190.2	1.826	28.70	51.0	SO312	.03070	8.3357	1.0	A
9012	29169.74	48 36N	44 28E	82.6	189.9	2.037	24.50	52.4	SO312	.03070	8.8969	1.0	V
9013	29184.54	47 36N	42 15E	84.2	189.7	1.826	-29.40	52.7	SO312	.03070	8.5833	1.2	F
9014	29189.54	47 39N	42 23E	81.8	189.6	2.037	-26.25	52.7	SO312	.03070	8.8887	0.8	A
9015	29211.34	45 52N	42 37E	73.5	189.3	2.390	-4.55	54.4	SO312	.04070	9.9863	0.6	V
9016	29214.14	45 52N	42 36E	74.4	189.3	2.390	-4.55	54.4	SO312	.04070	9.7552	0.6	A
9017	29223.74	45 20N	41 31E	85.5	189.2	2.181	-31.50	54.6	SO312	.03070	8.5173	0.6	A
9018	29230.34	44 36N	41 59E	74.7	189.1	2.390	-13.30	55.4	SO312	.04070	9.8295	0.6	V
9019	29267.34	42 12N	41 41E	74.5	188.8	2.530	-0.70	57.4	SO312	.03070	9.7387	0.8	A
9020	29338.34	37 3N	41 13E	84.6	188.2	2.181	26.95	61.7	SO312	.01650	8.6906	1.0	V
9021	29341.54	37 3N	41 12E	85.7	188.1	2.181	26.95	61.7	SO312	.01650	8.4430	0.8	A
9022	29530.34	24 6N	38 4E	82.6	187.1	2.738	17.85	69.1	SO312	.04070	8.7318	0.6	A
9023	30169.94	20 6S	28 46E	111.2	186.9	3.092	-27.65	48.9	SO312	.02200	6.4210	1.0	F
9024	30173.94	20 6S	28 46E	109.9	186.9	3.092	-27.30	48.9	SO312	.03070	6.5861	1.0	V
9025	30199.94	22 20S	30 1E	113.5	187.0	2.530	22.05	47.9	SO312	.02200	6.3302	1.0	F
9026	30203.94	22 20S	30 1E	112.8	187.0	2.530	22.40	47.9	SO312	.03070	6.4045	1.0	V
140 9001	33983.14	80 38N	57 59E	82.1	224.0	0.292	-8.40	21.5	SO317	.04070	8.8061	0.6	F
9002	33985.94	80 38N	58 1E	81.1	223.2	0.292	-8.40	21.5	SO317	.04070	9.0290	0.6	V
9003	34170.94	69 3N	33 13E	78.8	198.6	1.135	8.75	33.6	SO312	.05390	9.2105	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
140 9004	34177.54	68 32N	33 24E	82.6	198.3	1.338	18.90	34.1	S0312	.04070	8.7896	0.6	F
9005	34185.34	68 19N	33 29E	85.5	197.8	1.135	25.20	34.5	S0312	.03070	8.5998	0.4	V
9006	34188.34	68 11N	33 30E	86.7	197.7	1.135	25.55	34.5	S0312	.03070	8.3687	0.6	A
9007	34192.94	67 28N	32 48E	86.3	197.4	1.338	24.85	35.2	S0312	.03070	8.4182	0.6	F
9008	34195.94	67 29N	32 48E	85.2	197.3	1.338	24.85	35.2	S0312	.03070	8.6163	0.6	V
9009	34200.14	67 13N	32 23E	83.5	197.1	1.338	22.40	35.4	S0312	.03070	8.7979	0.6	V
9010	34203.34	67 13N	32 22E	84.5	196.9	1.135	22.75	35.4	S0312	.03070	8.5833	0.6	A
9011	34316.54	59 21N	26 26E	78.4	192.9	1.690	13.65	42.8	S0312	.04070	9.2690	0.4	F
9012	34321.34	59 13N	26 25E	78.2	192.8	1.690	15.40	42.9	S0312	.04070	9.4003	0.4	V
9013	34324.34	59 12N	26 23E	78.9	192.7	1.690	15.05	42.9	S0312	.04070	9.1858	0.6	A
9014	34337.34	57 57N	25 48E	79.1	192.4	1.826	15.75	44.1	S0312	.04070	9.1940	0.4	F
9015	34340.14	57 57N	25 48E	78.2	192.3	1.826	15.75	44.1	S0312	.04070	9.4003	0.4	V
9016	34353.54	56 59N	24 10E	76.5	192.0	1.690	-12.25	44.8	S0312	.04070	9.4746	0.4	F
9017	34356.14	56 60N	24 10E	75.6	192.0	1.690	-12.25	44.8	S0312	.04070	9.7140	1.0	V
9018	34359.54	56 57N	24 8E	76.5	191.9	1.690	-12.25	44.8	S0312	.04070	9.4911	0.4	A
9019	34365.74	56 24N	23 20E	81.1	191.7	1.690	-25.20	45.2	S0312	.04070	9.0537	0.6	V
9020	34377.54	55 12N	24 43E	80.9	191.5	1.826	19.95	46.6	S0312	.04070	8.9959	0.6	F
9021	34381.14	55 9N	24 39E	79.6	191.4	1.826	19.25	46.6	S0312	.04070	9.2435	0.6	V
9022	34387.74	54 46N	23 58E	74.8	191.3	1.826	6.30	46.9	S0312	.04070	9.8212	0.4	V
9023	34390.54	54 46N	23 57E	75.7	191.3	1.826	6.30	46.9	S0312	.04070	9.5819	0.4	A
9024	34403.14	53 41N	23 52E	77.5	191.0	1.826	15.40	47.9	S0312	.04070	9.4911	0.6	V
9025	34405.94	53 41N	23 52E	78.4	191.0	1.826	15.40	47.9	S0312	.04070	9.2518	0.6	A
9026	34436.34	51 25N	21 14E	86.2	190.5	1.690	-31.50	49.5	S0312	.03070	8.3935	0.8	F
9027	34439.34	51 25N	21 13E	85.2	190.4	1.690	-31.50	49.5	S0312	.03070	8.6163	0.8	V
9028	34451.74	50 19N	21 29E	77.1	190.2	2.037	-16.80	50.6	S0312	.04070	9.4086	0.4	F
9029	34454.34	50 20N	21 28E	76.2	190.2	2.037	-16.80	50.6	S0312	.04070	9.6397	0.6	V
9030	34457.94	50 5N	21 26E	75.8	190.1	2.037	-15.75	50.8	S0312	.04070	9.6974	0.6	V
9031	34460.74	50 5N	21 25E	76.7	190.1	2.037	-15.75	50.8	S0312	.04070	9.4829	0.6	A
9032	34488.14	47 52N	20 13E	84.1	189.7	1.826	-29.40	52.5	S0312	.03070	8.5915	0.6	F
9033	34491.14	47 52N	20 13E	83.0	189.7	2.037	-29.40	52.5	S0312	.03070	8.8474	0.4	V
9034	34497.74	47 12N	20 14E	80.4	189.6	2.037	-24.15	53.1	S0312	.03070	9.0042	0.6	F
9035	34500.54	47 12N	20 14E	79.5	189.6	2.037	-24.15	53.1	S0312	.03070	9.2435	0.6	V
9036	34512.94	46 11N	21 27E	80.3	189.4	2.181	21.35	54.4	S0312	.03070	9.1610	0.4	V
9037	34516.74	45 44N	21 15E	80.0	189.4	2.181	19.25	54.8	S0312	.02200	9.1115	0.6	F
9038	34519.54	45 45N	21 14E	79.1	189.3	2.181	19.25	54.8	S0312	.02200	9.3013	0.6	V
9039	34527.54	45 3N	20 44E	76.3	189.2	2.390	10.50	55.3	S0312	.04070	9.5324	1.0	F
9040	34532.54	44 53N	20 40E	75.3	189.2	2.390	10.15	55.4	S0312	.04070	9.7552	0.8	V
9041	34544.14	44 2N	20 55E	82.6	189.1	2.181	24.85	56.2	S0312	.03070	8.8969	0.6	V
9042	34547.14	44 3N	20 55E	83.6	189.0	2.181	24.85	56.2	S0312	.03070	8.6576	0.6	A
9043	34566.34	42 24N	19 19E	75.6	188.8	2.390	-12.60	57.1	S0312	.03070	9.5984	0.6	F
9044	34569.14	42 24N	19 18E	74.7	188.8	2.390	-12.60	57.1	S0312	.04070	9.8295	0.6	V
9045	34576.14	42 8N	19 30E	74.4	188.7	2.530	-2.80	57.5	S0312	.03070	9.7552	1.0	A
9046	34584.34	41 5N	20 4E	83.1	188.7	2.390	23.80	58.6	S0312	.03070	8.7566	0.6	F
9047	34596.54	40 32N	19 18E	74.3	188.6	2.530	4.90	58.8	S0312	.04070	9.8955	0.6	V
9048	34599.34	40 31N	19 18E	75.2	188.5	2.530	4.90	58.8	S0312	.04070	9.6479	0.6	A
9049	34732.74	31 14N	16 33E	76.9	187.6	2.738	-16.45	65.0	S0312	.03070	9.5489	0.6	V
9050	34735.54	31 14N	16 32E	77.8	187.6	2.738	-16.45	65.0	S0312	.03070	9.3261	0.6	A
141 9001	39843.74	44 34N	1 7W	81.2	189.1	2.181	22.75	55.8	S0312	.03070	9.0537	0.4	V
9002	39846.74	44 34N	1 7W	82.5	189.1	2.181	23.10	55.8	S0312	.03070	8.7814	0.4	A
9003	39979.94	35 16N	3 54W	76.5	188.0	2.530	11.90	62.8	S0312	.04070	9.5984	0.4	V
9004	39982.74	35 16N	3 55W	77.5	188.0	2.530	11.90	62.8	S0312	.04070	9.3426	0.4	A
9005	39998.54	33 55N	5 31W	88.0	187.9	2.390	-33.95	63.0	S0312	.03070	8.2119	0.6	F
9006	40001.74	33 55N	5 32W	86.7	187.8	2.390	-33.60	63.0	S0312	.03070	8.4595	0.6	V
142 9001	45887.13	5 53S	35 9W	107.3	186.5	3.232	-35.70	80.1	S0312	.02200	6.7924	0.8	V
9002	45891.13	5 53S	35 9W	108.2	186.6	3.439	-35.35	80.1	S0312	.02200	6.6603	0.8	A
143 9001	51669.13	38 41S	62 9W	120.8	188.3	2.390	12.95	32.9	S0312	.03070	5.8928	1.4	F
9002	51676.73	38 55S	61 59W	123.2	188.4	2.181	17.85	32.8	S0312	.03070	5.8185	0.8	V
144 5001	56251.33	11 5N	74 7W	113.3	186.6	1.826	41.65	71.0	S0130	.01250	6.3390	1.4	A
9001	56264.73	9 45N	75 7W	87.9	186.6	2.881	18.20	69.9	S0312	.03070	8.2532	1.4	F
9002	56270.13	9 23N	75 17W	86.0	186.6	3.092	14.00	69.7	S0312	.03070	8.4347	1.2	F
145 9001	61172.53	37 9N	92 19W	74.4	188.2	2.738	-4.20	61.3	S0312	.03070	9.7635	0.6	F
9002	61177.93	37 9N	92 18W	74.5	188.1	2.738	-3.15	61.4	S0312	.03070	9.7470	0.6	A
147 5001	70533.93	55 59N	36 8E	117.0	348.3	-1.805	-33.60	-16.8	S0130	.29590	6.1161	0.8	A
5002	70546.73	56 51N	35 58E	120.4	348.1	-1.672	-36.05	-16.1	S0130	.29590	5.9593	0.8	A
150 9001	832.73	69 44N	171 53E	77.4	198.8	0.995	-4.90	33.1	S0312	.03070	9.3756	0.4	A
151 5001	6422.73	50 33N	137 3E	102.1	190.3	1.338	-44.10	50.3	S0130	.01660	7.0819	0.6	F
5002	6429.93	50 34N	137 4E	101.0	190.2	1.690	-43.75	50.3	S0130	.01660	7.2222	0.8	A
9001	6294.93	59 23N	143 21E	79.4	192.8	1.690	16.45	43.0	S0312	.03070	9.1280	0.8	A
9002	6646.93	35 20N	133 58E	80.1	188.0	2.530	-25.90	62.4	S0312	.02200	9.1527	0.4	V
9003	6649.73	35 20N	133 57E	81.1	187.9	2.530	-25.90	62.4	S0312	.02200	8.9629	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	HOLD DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
152 9001	11563.73	61 49N	122 27E	77.3	193.9	1.484	12.95	40.7	S0312	.03070	9.5076	0.6	V
9002	11566.53	61 49N	122 26E	78.2	193.8	1.484	12.95	40.7	S0312	.03070	9.2848	0.6	A
9003	11713.73	52 1N	116 32E	78.9	190.5	2.037	-21.70	49.3	S0312	.03070	9.2188	0.6	A
9004	11721.53	51 5N	116 22E	77.2	190.4	2.037	-18.55	50.2	S0312	.03070	9.3921	0.6	F
9005	11727.93	50 53N	115 51E	82.4	190.3	1.826	-29.05	50.2	S0312	.03070	8.8887	0.4	V
9006	11731.13	50 52N	115 52E	82.8	190.2	2.037	-28.35	50.2	S0312	.03070	8.7896	0.6	A
9007	11868.53	40 50N	114 55E	88.1	188.6	2.181	30.45	59.2	S0312	.02200	8.2862	1.0	F
9008	11877.53	40 41N	114 25E	79.1	188.6	2.390	18.20	59.1	S0312	.02200	9.1527	0.4	A
9009	12080.13	26 29N	109 55E	84.7	187.3	2.738	-28.70	67.4	S0312	.03070	8.5338	0.4	F
9010	12082.93	26 30N	109 55E	83.8	187.3	2.738	-28.70	67.4	S0312	.03070	8.7566	0.6	V
9011	12152.73	21 20N	110 15E	85.9	187.0	2.738	22.40	70.3	S0312	.03070	8.4678	0.4	F
9012	12157.93	21 11N	110 17E	86.8	187.0	2.530	24.85	70.4	S0312	.03070	8.4595	0.4	V
9013	12161.13	21 11N	110 17E	88.5	187.0	2.530	25.55	70.5	S0312	.03070	8.1541	0.6	A
9014	12185.53	19 22N	109 11E	77.4	186.9	3.092	-4.20	70.2	S0312	.03070	9.4746	0.4	V
9015	12188.33	19 22N	109 10E	78.4	186.9	3.092	-4.20	70.2	S0312	.03070	9.2270	0.4	A
9016	12195.33	18 51N	109 32E	82.1	186.9	2.881	14.70	70.7	S0312	.03070	8.7896	0.4	A
153 9001	16839.13	64 18N	100 16E	79.6	194.9	1.338	-18.55	38.3	S0312	.03070	9.1197	0.4	A
9002	17355.73	28 55N	89 37E	81.2	187.4	2.530	22.05	67.2	S0312	.02200	8.8969	0.4	A
9003	17368.33	27 57N	89 9E	75.3	187.4	2.738	12.60	67.6	S0312	.03070	9.7552	0.6	V
9004	17376.93	27 29N	88 54E	75.4	187.3	2.881	5.95	67.6	S0312	.03070	9.6067	0.4	A
9005	17444.93	22 34N	88 22E	84.5	187.0	2.738	22.05	70.0	S0312	.03070	8.6823	0.4	V
9006	17448.13	22 34N	88 22E	85.9	187.0	2.530	22.75	70.0	S0312	.03070	8.4017	0.4	A
154 9001	22169.93	62 25N	77 24E	76.0	194.1	1.484	-11.20	40.1	S0312	.03070	9.6562	0.6	V
9002	22176.93	62 6N	77 30E	75.8	193.9	1.484	-5.25	40.4	S0312	.03070	9.5819	0.6	A
9003	22184.33	61 15N	76 56E	76.0	193.6	1.484	-7.35	41.2	S0312	.03070	9.5406	2.8	F
9004	22191.53	60 59N	76 31E	76.2	193.4	1.484	-12.95	41.4	S0312	.03070	9.6314	0.6	V
9005	22194.33	60 59N	76 30E	77.0	193.4	1.690	-12.95	41.4	S0312	.03070	9.4334	0.6	A
9006	22350.13	49 52N	73 13E	81.9	190.2	2.037	23.10	51.6	S0312	.03070	8.8887	0.4	F
9007	22353.13	49 52N	73 12E	81.0	190.1	2.037	23.10	51.6	S0312	.03070	9.0702	0.4	V
9008	22360.33	49 34N	73 18E	86.0	190.0	1.826	28.35	51.9	S0312	.03070	8.4347	0.6	A
9009	22398.13	46 57N	70 50E	76.1	189.5	2.181	-18.20	53.7	S0312	.03070	9.6644	0.6	V
9010	22411.93	45 55N	71 21E	74.2	189.4	2.390	7.35	54.8	S0312	.04070	9.9038	0.4	V
9011	22414.73	45 55N	71 20E	75.1	189.3	2.390	7.35	54.8	S0312	.04070	9.6562	0.4	A
9012	22527.53	37 52N	68 48E	74.4	188.3	2.738	-6.30	61.0	S0312	.03070	9.7552	0.6	F
9013	22534.93	37 41N	69 9E	75.5	188.2	2.530	9.10	61.3	S0312	.03070	9.5984	0.6	A
9014	22543.73	36 42N	68 55E	75.7	188.1	2.738	8.05	62.0	S0312	.03070	9.6067	1.0	F
9015	22555.13	36 3N	69 7E	80.0	188.1	2.390	21.00	62.6	S0312	.02200	9.1858	0.6	V
9016	22558.13	36 3N	69 7E	81.0	188.0	2.390	21.00	62.6	S0312	.02200	8.9299	0.6	A
9017	22566.93	34 59N	69 16E	90.3	188.0	2.390	32.20	63.6	S0312	.01650	8.0716	1.0	F
9018	22570.53	34 57N	69 15E	89.5	187.9	2.181	32.55	63.6	S0312	.01650	8.2202	0.6	V
9019	22576.33	34 34N	69 4E	86.8	187.9	2.181	30.10	63.8	S0312	.02200	8.4760	0.6	V
9020	22579.53	34 34N	69 4E	88.3	187.9	2.181	30.45	63.8	S0312	.02200	8.1954	0.6	A
9021	22602.93	32 51N	67 46E	74.2	187.7	2.738	-1.40	64.5	S0312	.03070	9.8955	0.6	V
9022	22607.33	32 44N	67 39E	74.9	187.7	2.738	-4.55	64.5	S0312	.03070	9.6809	0.6	A
9023	22617.33	32 8N	66 54E	81.7	187.7	2.738	-26.95	64.5	S0312	.03070	8.8887	0.4	A
9024	22631.93	30 57N	66 26E	86.5	187.6	2.530	-33.60	65.1	S0312	.02200	8.4925	0.6	V
9025	22635.13	30 57N	66 26E	87.1	187.6	2.738	-33.25	65.1	S0312	.02200	8.3440	0.6	A
9026	22717.73	24 52N	66 47E	85.7	187.2	2.530	24.85	69.2	S0312	.03070	8.5668	0.6	V
9027	22720.93	24 52N	66 47E	87.1	187.2	2.530	25.20	69.2	S0312	.03070	8.2862	0.6	A
155 9001	27418.93	66 29N	57 12E	83.1	196.2	1.135	-24.15	36.3	S0312	.03070	8.7484	0.6	A
9002	27433.13	65 14N	57 18E	75.8	195.6	1.338	-7.70	37.5	S0312	.03070	9.6809	0.8	V
9003	27447.73	64 11N	55 17E	86.9	195.0	0.995	-29.75	38.4	S0312	.02200	8.3192	0.8	F
9004	27450.73	64 12N	55 17E	85.8	194.9	0.995	-29.75	38.4	S0312	.02200	8.5420	0.8	V
9005	27472.73	62 44N	56 2E	75.7	194.2	1.484	0.00	39.9	S0312	.04070	9.5902	0.4	A
9006	27762.73	42 54N	47 40E	75.6	188.9	2.390	-16.10	57.0	S0312	.04070	9.7140	0.6	V
9007	27765.53	42 54N	47 40E	76.5	188.8	2.390	-16.10	57.0	S0312	.04070	9.4994	0.6	A
9008	27788.33	40 54N	47 49E	74.9	188.6	2.530	6.30	58.9	S0312	.03070	9.7140	0.6	F
9009	27791.13	40 53N	47 48E	74.0	188.6	2.530	6.30	58.9	S0312	.03070	9.9285	0.6	V
9010	27798.73	40 18N	48 11E	82.0	188.5	2.181	23.80	59.5	S0312	.02200	8.9712	0.8	V
9011	27801.73	40 18N	48 11E	83.0	188.5	2.181	23.80	59.5	S0312	.02200	8.7236	0.8	A
9012	27886.53	34 22N	45 59E	74.1	187.9	2.738	-1.75	63.5	S0312	.03070	9.9120	0.6	V
9013	27889.33	34 21N	45 59E	75.0	187.9	2.738	-1.75	63.5	S0312	.03070	9.6644	0.6	A
9014	27909.73	32 33N	45 49E	76.2	187.7	2.738	6.65	64.8	S0312	.03070	9.5406	0.6	F
9015	27912.53	32 33N	45 48E	75.4	187.7	2.738	6.65	64.8	S0312	.03070	9.7387	0.4	V
9016	27915.93	32 30N	45 46E	76.1	187.7	2.738	5.95	64.8	S0312	.02200	9.5076	0.6	A
9017	28116.33	18 21N	42 49E	77.9	186.9	3.092	1.40	70.4	S0312	.01650	9.3178	1.2	F
9018	28120.93	18 13N	42 49E	77.3	186.9	3.092	2.80	70.5	S0312	.03070	9.4829	0.4	V
9019	28123.73	18 13N	42 48E	78.3	186.8	3.092	2.80	70.5	S0312	.03070	9.2270	0.4	A
9020	28672.93	19 46S	34 55E	115.8	186.9	3.092	-31.85	48.9	S0312	.02200	6.1569	0.8	F
9021	28677.13	19 46S	34 54E	114.8	186.9	3.092	-31.85	48.9	S0312	.02200	6.2972	1.0	V
9022	28681.53	19 47S	34 54E	115.8	186.9	3.092	-31.15	48.9	S0312	.02200	6.1899	1.0	A
156 5001	32815.73	59 59N	30 18E	96.3	193.1	0.995	-39.20	42.2	S0130	.02210	7.5111	1.2	F
5002	32822.73	59 58N	30 18E	95.9	192.9	1.338	-39.20	42.2	S0130	.03088	7.6019	1.2	A
5003	32938.13	51 52N	29 6E	75.3	190.5	2.037	7.00	49.8	S0130	.02210	9.6489	0.6	A
9001	32731.33	65 59N	34 43E	83.2	195.9	1.338	-24.85	36.8	S0312	.03070	8.7236	0.4	A
9002	32740.53	64 57N	34 16E	80.8	195.5	1.135	-20.65	37.8	S0312	.03070	8.9712	0.8	F
9003	32751.33	64 31N	34 48E	76.2	195.1	1.484	-5.95	38.2	S0312	.04070	9.5241	0.4	A
9004	32841.53	58 10N	30 21E	82.1	192.4	1.484	-25.20	43.9	S0312	.04070	8.8061	0.6	F
9005	32844.53	58 10N	30 20E	81.1	192.3	1.484	-25.20	43.9	S0312	.04070	9.0455	0.8	V

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SUT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
156 9006	32847.53	58 10N	30 20E	81.9	192.3	1.690	-25.20	44.0	SO312	.04070	8.8804	0.8	A
9007	32867.13	56 21N	30 29E	74.8	191.8	1.826	-4.20	45.7	SO312	.04070	9.6974	0.4	F
9008	32874.13	56 11N	30 59E	76.4	191.7	1.826	10.50	46.0	SO312	.04070	9.4911	0.4	A
9009	32886.53	55 12N	30 10E	73.8	191.4	1.826	0.35	46.8	SO312	.04070	9.9615	0.8	V
9010	32893.93	54 29N	30 18E	76.6	191.3	2.037	11.20	47.5	SO312	.04070	9.4911	0.8	F
9011	32897.93	54 23N	30 13E	75.4	191.2	1.826	10.50	47.6	SO312	.04070	9.7552	0.4	V
9012	32900.53	54 24N	30 13E	76.3	191.2	1.826	10.50	47.6	SO312	.04070	9.5159	0.6	A
9013	32906.93	53 33N	30 13E	79.6	191.0	2.037	18.55	48.4	SO312	.04070	9.1362	0.6	F
9014	32909.73	53 33N	30 12E	78.6	191.0	1.826	18.55	48.4	SO312	.04070	9.3591	0.6	V
9015	32916.73	53 10N	29 15E	73.5	190.9	2.037	-2.80	48.6	SO312	.04070	9.9946	1.2	V
9016	32925.93	52 18N	29 22E	75.8	190.7	2.037	9.10	49.4	SO312	.04070	9.5902	0.6	F
9017	32928.73	52 18N	29 21E	74.9	190.7	2.037	9.10	49.4	SO312	.04070	9.8047	0.6	V
9018	32931.53	52 6N	29 17E	74.9	190.6	2.037	9.10	49.6	SO312	.04070	9.8130	0.4	V
9019	32935.13	52 3N	29 11E	75.3	190.6	2.037	7.35	49.6	SO312	.04070	9.6314	0.6	A
9020	32943.73	51 7N	28 42E	74.5	190.4	2.181	2.80	50.4	SO312	.04070	9.7552	0.4	F
9021	32946.33	51 8N	28 42E	73.7	190.4	2.181	2.80	50.4	SO312	.04070	9.9780	0.4	V
9022	32955.33	50 36N	27 39E	77.7	190.2	2.037	-21.35	50.6	SO312	.04070	9.4416	0.4	V
9023	32958.13	50 37N	27 39E	78.7	190.2	2.037	-21.35	50.6	SO312	.04070	9.2435	0.6	A
9024	32970.53	49 26N	28 31E	76.6	190.0	2.037	14.70	51.9	SO312	.04070	9.5984	0.6	V
9025	32973.33	49 26N	28 31E	77.5	190.0	2.037	14.70	51.9	SO312	.04070	9.3591	0.6	A
9026	32975.93	49 15N	28 27E	77.5	189.9	2.037	14.70	52.1	SO312	.04070	9.3591	0.4	A
9027	32992.73	47 53N	28 14E	79.8	189.7	2.037	21.00	53.3	SO312	.03070	9.2105	0.8	V
9028	32995.73	47 53N	28 13E	80.8	189.7	2.037	21.00	53.3	SO312	.03070	8.9712	0.8	A
9029	33003.53	47 12N	27 39E	75.1	189.6	2.181	10.50	53.8	SO312	.04070	9.7882	0.6	V
9030	33006.33	47 12N	27 38E	76.0	189.6	2.181	10.50	53.8	SO312	.04070	9.5406	0.6	A
9031	33013.93	46 33N	26 55E	73.3	189.5	2.181	-5.95	54.2	SO312	.04070	10.0276	0.4	V
9032	33020.53	46 17N	26 50E	74.2	189.4	2.390	-5.95	54.4	SO312	.04070	9.7800	0.8	A
9033	33027.13	45 24N	27 4E	75.6	189.3	2.390	9.10	55.3	SO312	.04070	9.6149	0.4	F
9034	33029.73	45 25N	27 3E	74.7	189.3	2.181	9.10	55.3	SO312	.04070	9.8377	0.4	V
9035	33036.33	45 1N	26 26E	73.5	189.2	2.390	-7.00	55.4	SO312	.03070	10.0028	0.6	V
9036	33039.13	45 1N	26 25E	74.4	189.2	2.390	-7.00	55.5	SO312	.03070	9.7635	0.4	A
9037	33044.73	44 28N	26 6E	74.5	189.1	2.390	-12.60	55.8	SO312	.04070	9.8625	0.6	V
9038	33047.53	44 27N	26 6E	75.4	189.1	2.390	-12.60	55.8	SO312	.04070	9.6397	0.4	A
9039	33220.53	32 5N	24 0E	82.0	187.7	2.530	20.65	65.3	SO312	.04070	8.8969	0.6	F
9040	33223.33	32 6N	23 59E	81.1	187.7	2.530	20.65	65.3	SO312	.04070	9.0620	0.6	V
9041	33226.53	31 53N	23 56E	81.1	187.7	2.530	20.65	65.5	SO312	.03070	9.0702	0.4	V
9042	33229.53	31 53N	23 56E	82.3	187.7	2.530	21.00	65.5	SO312	.03070	8.7896	0.4	A
9043	33374.13	21 43N	21 50E	83.6	187.0	2.738	20.65	70.2	SO312	.03070	8.7731	0.8	V
9044	33737.93	3 18S	17 23E	96.1	186.5	2.738	20.30	63.0	SO312	.02200	7.5764	0.6	V
9045	33741.53	3 18S	17 23E	97.7	186.5	2.738	20.65	63.1	SO312	.02200	7.3123	0.6	A
9046	33823.73	9 9S	16 11E	95.5	186.6	2.881	13.30	58.5	SO312	.03070	7.6094	0.6	V
9047	33827.33	9 9S	16 11E	97.3	186.6	2.881	14.00	58.6	SO312	.03070	7.3453	0.6	A
9048	33872.73	12 46S	15 44E	102.2	186.7	2.881	18.90	55.8	SO312	.02200	7.0647	0.8	F
9049	33876.33	12 46S	15 44E	101.6	186.7	2.881	19.25	55.8	SO312	.03070	7.1473	0.8	V
9050	33901.73	14 42S	15 2E	97.8	186.7	3.092	6.65	53.9	SO312	.03070	7.3536	0.8	F
9051	33905.33	14 42S	15 1E	97.1	186.7	3.092	7.00	53.9	SO312	.03070	7.4691	0.6	V
9052	33909.13	14 43S	14 59E	98.2	186.7	3.092	6.30	53.9	SO312	.03070	7.2628	0.6	A
9053	33918.13	15 44S	14 4E	101.1	186.8	3.439	-19.25	52.6	SO312	.03070	7.0895	0.6	F
9054	33921.73	15 44S	14 5E	99.9	186.8	3.439	-18.55	52.6	SO312	.03070	7.2628	0.6	V
9055	33928.93	16 16S	14 19E	97.0	186.8	3.232	-7.35	52.4	SO312	.03070	7.4691	0.6	V
9056	33932.53	16 16S	14 18E	98.4	186.8	3.439	-7.35	52.4	SO312	.03070	7.2628	0.6	A
157 9001	38230.33	52 22N	6 42E	74.6	190.7	2.037	-7.00	49.3	SO312	.04070	9.7305	0.4	F
9002	38232.93	52 22N	6 42E	73.7	190.7	2.037	-7.00	49.3	SO312	.04070	9.9615	0.6	V
9003	38262.33	50 14N	7 6E	82.2	190.2	1.826	24.85	51.4	SO312	.03070	8.9464	0.6	V
9004	38265.33	50 14N	7 5E	83.2	190.2	1.826	24.85	51.4	SO312	.03070	8.7071	0.6	A
9005	38359.73	43 35N	4 58E	83.0	189.0	2.037	25.55	57.0	SO312	.02200	8.8556	0.8	V
9006	38362.93	43 34N	4 57E	84.0	189.0	2.037	25.55	57.0	SO312	.02200	8.6163	0.6	A
9007	38459.13	36 47N	3 4E	81.9	188.1	2.390	23.10	62.2	SO312	.04070	8.9712	0.4	V
9008	38462.13	36 47N	3 4E	83.1	188.1	2.181	23.45	62.2	SO312	.04070	8.7153	0.4	A
9009	38468.93	35 56N	2 44E	79.7	188.1	2.390	18.90	62.8	SO312	.03070	9.1445	0.6	F
9010	38471.73	35 56N	2 43E	78.8	188.0	2.390	18.90	62.7	SO312	.03070	9.3178	0.6	V
9011	38506.13	33 42N	1 1E	79.3	187.8	2.530	-24.50	63.6	SO312	.03070	9.2683	0.6	V
9012	38528.53	32 8N	0 56E	76.3	187.7	2.738	-15.40	64.8	SO312	.03070	9.6232	0.6	V
9013	38531.33	32 8N	0 55E	77.2	187.7	2.738	-15.40	64.8	SO312	.03070	9.4003	0.6	A
9014	38533.33	32 0N	0 53E	77.2	187.7	2.738	-15.40	64.8	SO312	.03070	9.4086	0.8	A
9015	38541.53	31 14N	0 52E	75.2	187.6	2.881	-10.85	65.4	SO312	.03070	9.7552	0.6	V
9016	38544.33	31 14N	0 51E	76.2	187.6	2.881	-10.85	65.4	SO312	.03070	9.5241	0.6	A
9017	38548.53	30 45N	0 48E	74.9	187.6	2.881	-9.10	65.7	SO312	.02200	9.7965	0.6	V
9018	38551.33	30 45N	0 47E	75.9	187.6	2.881	-9.10	65.7	SO312	.02200	9.5571	0.6	A
9019	38565.73	29 25N	0 0E	83.8	187.5	2.738	-28.00	66.1	SO312	.03070	8.6246	0.8	F
9020	38626.73	25 17N	0 18E	80.0	187.2	2.738	15.75	68.9	SO312	.03070	9.1693	0.6	V
9021	38629.73	25 17N	0 18E	81.0	187.2	2.738	15.75	68.9	SO312	.03070	8.9134	0.6	A
9022	38643.13	24 3N	0 39W	78.1	187.1	3.092	-12.95	68.8	SO312	.03070	9.2765	0.6	F
9023	38645.93	24 3N	0 39W	77.3	187.1	3.092	-12.95	68.8	SO312	.03070	9.4911	0.6	V
9024	38657.13	23 14N	0 25W	76.8	187.1	3.092	3.50	69.4	SO312	.03070	9.5406	0.8	V
9025	38668.93	22 16N	0 51W	77.6	187.0	3.092	-7.35	69.5	SO312	.03070	9.3426	0.6	F
9026	38671.73	22 15N	0 52W	76.8	187.0	3.092	-7.35	69.5	SO312	.03070	9.5489	0.6	V
9027	38677.73	21 50N	0 48W	76.8	187.0	3.092	-1.05	69.8	SO312	.03070	9.5489	0.6	V
9028	38682.33	21 31N	0 53W	76.4	187.0	3.092	-2.10	69.8	SO312	.03070	9.5984	0.6	V
9029	38685.13	21 31N	0 53W	77.4	187.0	3.092	-2.10	69.8	SO312	.03070	9.3508	0.6	A
9030	38692.93	20 42N	0 21W	86.7	187.0	2.530	24.50	70.6	SO312	.03070	8.4595	0.8	V
9031	38696.13	20 42N	0 22W	87.9	187.0	2.530	24.50	70.6	SO312	.03070	8.2037	0.8	A
9032	38701.53	19 55N	0 34W	85.0	186.9	2.738	21.70	70.7	SO312	.03070	8.5585	0.6	F
9033	38704.53	19 55N	0 35W	84.2	186.9	2.738	21.70	70.7	SO312	.03070	8.7071	0.6	V
9034	38713.53	19 17N	0 39W	85.1	186.9	2.738	23.45	70.9	SO312	.03070	8.6163	0.4	V
9035	38716.73	19 17N	0 39W	86.6	186.9	2.530	24.15	70.9	SO312	.03070	8.3274	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
157 9036	38723.13	18 38N	0 45W	87.3	186.9	2.530	24.15	71.0	S0312	.03070	8.4100	0.6	V
9037	38726.33	18 38N	0 45W	88.7	186.9	2.530	24.50	71.0	S0312	.02200	8.1294	0.6	A
160 9001	54753.93	10 6N	69 21W	81.6	186.6	3.232	-6.30	69.5	S0312	.03070	8.8639	1.4	F
9002	54760.13	10 5N	69 20W	82.1	186.6	3.232	-4.55	69.5	S0312	.03070	8.7896	0.4	A
161 9001	59626.73	39 52N	86 4W	81.4	188.5	2.390	-28.00	59.3	S0312	.02200	9.0207	3.0	V
9002	59992.13	14 39N	90 30W	78.4	186.7	3.232	-0.70	70.5	S0312	.03070	9.3426	0.6	V
9003	59994.93	14 40N	90 30W	79.4	186.7	3.232	-0.70	70.5	S0312	.03070	9.0950	1.4	A
162 9001	64969.33	36 46N	108 13W	73.7	188.1	2.738	-6.30	61.9	S0312	.03070	9.8543	0.6	F
9002	64974.53	36 46N	108 13W	73.8	188.1	2.738	-5.60	61.9	S0312	.03070	9.8377	0.6	A
9003	65034.33	32 18N	109 14W	74.6	187.7	2.881	-5.95	64.9	S0312	.02200	9.7305	0.6	F
9004	65039.73	32 17N	109 14W	74.7	187.7	2.881	-5.25	64.9	S0312	.02200	9.7140	0.6	A
166 9001	85785.53	65 31N	173 16E	84.5	195.6	1.338	-26.25	37.4	S0312	.03070	8.5833	0.6	A
167 9001	4726.13	63 4N	152 13E	83.1	194.4	1.338	22.75	39.9	S0312	.02200	8.7153	0.6	A
168 9001	10041.13	62 10N	129 36E	84.0	194.2	1.690	23.45	40.8	S0312	.02200	8.6493	0.4	F
9002	10044.13	62 10N	129 37E	83.4	194.1	1.484	24.15	40.8	S0312	.02200	8.8226	1.0	V
9003	10047.73	62 8N	129 35E	84.3	194.0	1.484	24.15	40.8	S0312	.02200	8.6081	0.6	A
9004	10150.13	55 10N	124 43E	73.9	191.4	1.826	-4.55	47.0	S0312	.03070	9.9368	0.6	V
9005	10165.33	53 59N	123 58E	75.4	191.1	1.826	-12.25	48.0	S0312	.03070	9.5984	0.4	F
9006	10170.93	53 59N	123 55E	76.1	191.0	2.037	-13.30	48.0	S0312	.03070	9.5489	0.4	A
9007	10282.93	46 1N	122 31E	81.9	189.4	2.037	24.50	55.2	S0312	.03070	8.9712	0.6	V
9008	10285.93	46 1N	122 31E	83.1	189.4	2.037	24.85	55.2	S0312	.03070	8.7071	0.6	A
9009	10443.13	34 59N	118 17E	78.2	188.0	2.530	-20.30	63.1	S0312	.02200	9.2435	0.4	F
9010	10449.93	34 30N	118 29E	75.0	187.9	2.738	-9.10	63.6	S0312	.02200	9.6727	0.8	F
9011	10453.53	34 26N	118 25E	74.4	187.9	2.738	-10.85	63.6	S0312	.03070	9.8543	0.6	V
9012	10456.93	34 1N	118 20E	75.4	187.9	2.738	-11.20	63.8	S0312	.03070	9.6067	0.6	F
9013	10466.93	33 37N	119 1E	80.1	187.8	2.530	18.55	64.5	S0312	.03070	9.0207	0.4	A
9014	10475.93	33 2N	118 30E	75.4	187.7	2.738	4.55	64.7	S0312	.03070	9.6067	0.8	A
9015	10482.93	32 7N	118 47E	82.2	187.7	2.530	21.70	65.6	S0312	.03070	8.8556	0.6	F
9016	10485.93	32 6N	118 47E	81.6	187.7	2.530	22.05	65.6	S0312	.03070	9.0042	1.8	V
9017	10489.93	32 2N	118 46E	82.8	187.7	2.530	22.40	65.6	S0312	.03070	8.7236	1.2	A
9018	10495.53	31 28N	118 23E	76.9	187.6	2.738	12.60	65.8	S0312	.04070	9.5406	2.0	V
9019	10499.93	31 22N	118 21E	78.0	187.6	2.738	12.95	65.9	S0312	.04070	9.2683	0.4	A
9020	10503.53	31 8N	118 12E	76.9	187.6	2.738	9.45	66.0	S0312	.03070	9.4086	0.6	A
9021	10512.93	30 9N	117 36E	75.3	187.5	2.881	-7.00	66.3	S0312	.03070	9.6232	0.4	F
9022	10515.53	30 9N	117 36E	74.4	187.5	2.881	-6.65	66.3	S0312	.03070	9.8460	1.6	V
9023	10519.53	30 4N	117 35E	75.3	187.5	2.881	-6.30	66.3	S0312	.03070	9.6149	0.4	A
9024	10524.73	29 22N	117 11E	77.6	187.5	2.881	-16.80	66.5	S0312	.02200	9.3178	0.8	F
9025	10529.93	28 60N	117 10E	77.0	187.5	2.881	-14.70	66.8	S0312	.03070	9.3921	0.6	F
9026	10538.93	28 29N	117 49E	78.5	187.4	2.738	15.40	67.6	S0312	.03070	9.3343	0.4	V
9027	10541.93	28 28N	117 48E	79.7	187.4	2.738	15.75	67.6	S0312	.03070	9.0620	0.4	A
9028	10556.13	27 9N	117 12E	75.4	187.3	2.881	1.75	68.0	S0312	.03070	9.6232	0.4	F
9029	10561.13	27 10N	117 25E	77.5	187.3	2.738	11.55	68.1	S0312	.03070	9.3178	0.6	A
9030	10569.53	26 34N	117 27E	80.8	187.3	2.738	17.15	68.5	S0312	.03070	8.9299	0.4	A
9031	10575.13	25 59N	117 21E	80.1	187.2	2.738	17.50	68.8	S0312	.03070	9.1445	0.4	V
9032	10582.73	25 43N	116 45E	76.0	187.2	3.092	-3.50	68.5	S0312	.02200	9.5159	1.0	A
9033	10591.13	25 5N	117 11E	81.4	187.2	2.738	18.90	69.2	S0312	.03070	8.8556	0.4	A
9034	10607.73	23 37N	116 21E	76.6	187.1	3.092	-3.85	69.3	S0312	.03070	9.4664	0.6	F
9035	10613.93	23 35N	116 14E	76.9	187.1	3.092	-7.35	69.3	S0312	.03070	9.4086	0.4	A
169 5001	15712.53	37 32N	97 23E	72.5	188.2	2.738	1.75	61.6	S0130	.01660	10.0946	0.8	F
5002	15717.73	37 32N	97 23E	72.7	188.2	2.738	2.45	61.6	S0130	.01660	10.0451	1.0	A
9001	15413.93	58 0N	102 54E	82.3	192.3	1.484	-25.90	44.4	S0312	.02200	8.7731	0.4	F
9002	15416.93	57 60N	102 54E	81.1	192.3	1.484	-25.55	44.4	S0312	.02200	9.0290	0.4	V
9003	15420.13	57 60N	102 49E	83.0	192.2	1.690	-26.95	44.4	S0312	.02200	8.7566	0.6	A
9004	15432.33	56 43N	104 27E	81.4	191.9	1.826	23.10	45.8	S0312	.02200	9.0207	0.4	V
9005	15445.93	56 16N	101 57E	84.9	191.6	1.690	-30.10	45.9	S0312	.02200	8.5503	0.4	A
9006	15478.13	53 29N	102 36E	76.8	191.0	2.037	12.60	48.6	S0312	.04070	9.4581	1.0	F
9007	15668.93	40 51N	98 32E	76.3	188.6	2.390	13.65	59.3	S0312	.03070	9.4829	0.4	A
9008	15678.53	39 47N	98 29E	79.6	188.5	2.390	20.30	60.2	S0312	.02200	9.1445	0.6	F
9009	15682.53	39 54N	98 21E	77.3	188.5	2.390	15.75	60.0	S0312	.02200	9.3591	1.2	A
9010	15712.73	37 31N	97 23E	72.0	188.2	2.738	1.75	61.6	S0312	.03070	10.0936	1.0	F
9011	15717.93	37 30N	97 22E	72.2	188.2	2.738	2.45	61.6	S0312	.03070	10.0441	0.8	A
170 9001	20550.53	69 23N	88 5E	83.9	198.7	0.787	-23.45	33.8	S0312	.04070	8.6328	0.4	F
9002	20553.53	69 23N	88 7E	82.4	198.5	0.787	-22.75	33.8	S0312	.04070	8.8887	0.4	V
9003	20554.73	69 18N	88 3E	82.1	198.5	0.787	-22.75	33.9	S0312	.04070	8.9217	0.4	V
9004	20557.93	69 17N	88 2E	82.9	198.3	0.995	-22.75	33.9	S0312	.04070	8.7566	0.2	A
9005	20697.73	59 54N	81 60E	78.8	192.9	1.690	-18.90	42.7	S0312	.03070	9.2188	0.4	A
9006	20715.13	58 21N	82 53E	76.9	192.5	1.826	17.85	44.3	S0312	.02200	9.3178	0.4	V
9007	20717.93	58 21N	82 54E	80.0	192.4	1.826	18.20	44.3	S0312	.02200	9.0702	0.4	A
9008	20778.73	53 47N	81 18E	86.5	191.1	1.826	28.35	48.5	S0312	.03070	8.4347	0.4	F
9009	20792.93	53 5N	78 40E	84.8	190.9	1.690	-30.10	48.7	S0312	.03070	8.5338	0.8	F
9010	20795.93	53 5N	78 40E	83.5	190.8	1.690	-29.75	48.7	S0312	.03070	8.7896	1.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
170 9011	20799.93	53 1N	78 39E	84.2	190.7	1.690	-29.40	48.7	SO312	.03070	8.6411	0.6	A
9012	20826.33	50 46N	78 32E	75.7	190.3	2.037	-13.65	50.8	SO312	.04070	9.5737	1.8	F
9013	20830.33	50 40N	78 31E	74.7	190.3	2.037	-13.30	50.9	SO312	.04070	9.8295	0.4	V
9014	20834.33	50 13N	78 23E	75.4	190.2	2.037	-12.95	51.3	SO312	.04070	9.6149	0.6	F
9015	20837.13	50 12N	78 23E	74.5	190.2	2.037	-12.60	51.3	SO312	.04070	9.8625	1.2	V
9016	20843.73	49 44N	77 47E	79.6	190.1	2.037	-25.20	51.6	SO312	.04070	9.2188	0.8	V
9017	20846.73	49 48N	77 47E	80.4	190.0	2.037	-24.85	51.6	SO312	.03070	9.0537	0.8	A
9018	20914.93	44 34N	77 47E	80.9	189.2	2.390	22.05	56.4	SO312	.03070	9.0042	0.6	F
9019	20918.13	44 33N	77 43E	79.2	189.1	2.181	21.00	56.4	SO312	.03070	9.2931	0.6	V
9020	20921.13	44 32N	77 43E	80.2	189.1	2.181	21.00	56.4	SO312	.03070	9.0455	0.6	A
9021	20927.93	43 56N	77 2E	73.5	189.0	2.390	5.25	56.7	SO312	.03070	9.9946	0.6	V
9022	20930.73	43 56N	77 2E	74.5	189.0	2.390	5.60	56.7	SO312	.03070	9.7387	1.0	A
9023	20935.33	43 25N	76 59E	74.5	189.0	2.390	8.40	57.2	SO312	.04070	9.8708	1.4	V
9024	20938.93	43 22N	76 58E	75.4	188.9	2.390	8.40	57.2	SO312	.03070	9.6149	0.6	A
9025	20940.33	43 16N	76 56E	74.9	188.9	2.390	8.40	57.3	SO312	.03070	9.6727	0.4	A
9026	20948.33	42 36N	76 5E	72.9	188.8	2.390	-14.70	57.6	SO312	.04070	10.0853	0.4	V
9027	20951.13	42 36N	76 5E	73.6	188.8	2.390	-14.35	57.6	SO312	.04070	9.8708	0.4	A
9028	20967.33	41 27N	75 59E	72.9	188.7	2.530	-7.35	58.6	SO312	.03070	9.9698	0.6	A
9029	20990.53	39 26N	76 4E	76.4	188.4	2.530	13.30	60.4	SO312	.03070	9.5324	1.4	F
9030	20997.73	39 18N	76 12E	79.7	188.4	2.390	18.90	60.5	SO312	.03070	9.0785	0.6	A
9031	21079.33	33 40N	73 24E	85.1	187.8	2.390	-31.85	63.8	SO312	.02200	8.6246	1.0	V
9032	21082.53	33 39N	73 23E	85.9	187.8	2.390	-31.50	63.8	SO312	.02200	8.4678	1.0	A
9033	21090.33	32 50N	73 54E	74.3	187.7	2.738	-8.75	64.7	SO312	.03070	9.8873	0.4	V
9034	21093.13	32 49N	73 54E	75.1	187.7	2.738	-8.40	64.7	SO312	.02200	9.6644	0.4	A
9035	21131.33	29 56N	73 53E	78.1	187.5	2.738	14.70	66.8	SO312	.02200	9.4003	0.6	V
9036	21134.13	29 57N	73 53E	79.2	187.5	2.738	15.05	66.8	SO312	.02200	9.1280	0.8	A
9037	21139.13	29 23N	73 53E	80.1	187.5	2.738	18.55	67.2	SO312	.02200	9.1610	0.6	V
9038	21142.33	29 22N	73 52E	81.4	187.5	2.530	19.25	67.2	SO312	.02200	8.8887	0.4	A
9039	21187.13	26 18N	73 3E	79.0	187.2	2.738	12.60	68.6	SO312	.02200	9.1527	1.2	A
9040	21230.93	23 4N	72 37E	82.3	187.1	2.738	19.60	70.0	SO312	.03070	8.9052	0.4	V
9041	21233.93	23 4N	72 37E	83.9	187.1	2.738	20.30	70.0	SO312	.03070	8.5998	0.4	A
171 9001	25687.13	79 33N	91 12E	82.3	219.5	0.438	14.35	23.2	SO312	.04070	8.9134	0.8	V
9002	25690.13	79 33N	91 12E	83.2	218.8	0.438	14.35	23.2	SO312	.04070	8.7153	1.0	A
9003	26044.33	56 50N	59 60E	79.0	191.9	1.690	17.15	45.7	SO312	.04070	9.1775	0.6	A
9004	26293.93	39 32N	54 24E	84.2	188.5	2.390	25.55	60.5	SO312	.03070	8.6576	0.8	F
9005	26296.93	39 32N	54 22E	82.8	188.4	2.181	25.20	60.5	SO312	.02200	8.8804	1.2	V
9006	26300.33	39 31N	54 22E	84.1	188.4	2.181	25.55	60.5	SO312	.01650	8.6081	0.8	A
9007	26449.33	28 60N	50 52E	76.8	187.4	2.881	-13.30	66.8	SO312	.04070	9.4416	0.6	F
9008	26452.13	28 59N	50 52E	75.9	187.4	2.881	-12.95	66.9	SO312	.04070	9.6727	0.6	V
9009	26455.13	28 59N	50 51E	76.9	187.4	2.881	-13.30	66.9	SO312	.02200	9.4251	1.0	A
9010	26488.33	26 19N	50 10E	79.5	187.3	2.881	-19.60	68.0	SO312	.03070	9.0956	0.6	F
9011	26491.33	26 19N	50 9E	78.5	187.3	2.881	-19.25	68.0	SO312	.03070	9.3343	0.4	V
172 5001	31256.33	63 0N	41 35E	81.4	194.5	1.484	21.35	40.1	SO130	.02210	9.0381	0.8	V
5002	31259.33	63 0N	41 35E	82.6	194.4	1.484	21.70	40.1	SO130	.02210	8.7987	1.0	A
5003	31326.53	58 6N	38 50E	82.9	192.5	1.690	23.45	44.6	SO130	.02210	8.7739	1.0	F
5004	31329.73	58 5N	38 49E	82.0	192.4	1.690	23.45	44.7	SO130	.02210	8.9638	0.8	V
5005	31350.33	56 29N	38 5E	83.2	191.9	1.826	24.15	46.1	SO130	.02210	8.7657	0.8	F
5006	31354.73	56 13N	37 50E	81.3	191.8	1.826	21.35	46.3	SO130	.02210	8.9638	0.6	F
5007	31357.53	56 13N	37 48E	80.1	191.8	1.826	21.00	46.3	SO130	.02210	9.1784	0.8	V
5008	31361.53	55 58N	37 32E	78.2	191.7	1.826	17.50	46.5	SO130	.02210	9.4012	0.8	V
5009	31364.53	55 57N	37 32E	79.4	191.6	1.826	17.85	46.5	SO130	.02210	9.1454	1.0	A
5010	31432.13	51 39N	33 30E	93.5	190.4	1.690	-38.85	49.9	SO130	.01660	7.7835	1.0	A
5011	31445.13	50 35N	34 27E	74.6	190.2	2.037	-8.05	51.1	SO130	.02210	9.7644	1.0	A
5012	31471.33	48 28N	34 59E	83.6	189.8	2.037	26.60	53.2	SO130	.02210	8.7904	1.0	V
9001	31192.53	67 5N	44 18E	79.6	197.1	1.338	14.35	36.2	SO312	.03070	9.1197	0.4	F
9002	31195.33	67 5N	44 17E	78.7	196.9	1.338	14.35	36.2	SO312	.03070	9.3343	0.4	V
9003	31205.13	66 47N	42 32E	77.4	196.5	1.338	-10.50	36.4	SO312	.03070	9.3673	0.4	A
9004	31233.13	64 36N	40 31E	79.5	195.3	1.338	-18.20	38.4	SO312	.05390	9.1032	0.6	F
9005	31235.93	64 36N	40 32E	78.4	195.2	1.338	-17.85	38.4	SO312	.05390	9.3591	0.6	V
9006	31237.73	64 28N	40 27E	78.4	195.1	1.338	-17.85	38.5	SO312	.04070	9.3591	0.8	V
9007	31240.73	64 28N	40 27E	79.1	195.0	1.338	-17.50	38.6	SO312	.03070	9.1775	0.8	A
9008	31253.13	63 1N	41 36E	82.4	194.6	1.484	21.35	40.1	SO312	.04070	8.8309	0.4	F
9009	31255.93	63 2N	41 35E	81.4	194.5	1.484	21.35	40.1	SO312	.04070	9.0372	1.2	V
9010	31259.53	62 59N	41 34E	82.5	194.4	1.484	21.70	40.1	SO312	.04070	8.7979	0.6	A
9011	31310.53	59 12N	39 9E	79.9	192.9	1.690	18.20	43.6	SO312	.04070	9.1032	0.4	F
9012	31313.13	59 13N	39 9E	79.0	192.8	1.690	18.20	43.6	SO312	.04070	9.3013	0.8	V
9013	31316.13	59 13N	39 8E	79.9	192.7	1.690	18.20	43.6	SO312	.04070	9.0785	0.8	A
9014	31326.73	58 5N	38 50E	82.9	192.4	1.690	23.45	44.7	SO312	.04070	8.7731	0.6	F
9015	31329.73	58 4N	38 49E	82.0	192.4	1.690	23.45	44.7	SO312	.04070	8.9629	0.6	V
9016	31334.73	57 58N	38 22E	78.4	192.3	1.690	15.40	44.7	SO312	.04070	9.2518	0.4	A
9017	31340.13	57 15N	37 55E	77.3	192.1	1.826	12.60	45.3	SO312	.04070	9.4168	0.6	F
9018	31342.93	57 14N	37 55E	76.5	192.1	1.826	12.95	45.4	SO312	.04070	9.6149	0.4	V
9019	31350.33	56 29N	38 5E	83.3	191.9	1.826	24.15	46.1	SO312	.04070	8.7649	0.6	F
9020	31354.93	56 11N	37 49E	81.3	191.8	1.826	21.35	46.4	SO312	.04070	8.9629	0.4	F
9021	31357.73	56 12N	37 47E	80.1	191.8	1.826	21.00	46.3	SO312	.04070	9.1775	0.4	V
9022	31361.53	55 58N	37 31E	78.2	191.7	1.826	17.50	46.5	SO312	.04070	9.4003	0.8	V
9023	31364.53	55 57N	37 31E	79.3	191.6	1.826	17.85	46.5	SO312	.04070	9.1445	0.6	A
9024	31368.33	55 30N	37 20E	78.3	191.5	1.826	17.85	47.0	SO312	.04070	9.3921	0.4	V
9025	31371.13	55 30N	37 19E	79.3	191.5	1.826	17.85	46.9	SO312	.04070	9.1527	0.6	A
9026	31376.33	54 55N	37 24E	82.5	191.4	1.690	24.85	47.5	SO312	.04070	8.9052	0.6	V
9027	31379.33	54 55N	37 24E	83.8	191.3	1.690	25.20	47.5	SO312	.04070	8.6493	0.6	A
9028	31388.13	54 5N	35 48E	74.6	191.1	2.037	-6.65	48.0	SO312	.04070	9.7305	1.0	F
9029	31390.73	53 55N	35 44E	74.6	191.1	2.037	-6.65	48.2	SO312	.04070	9.7387	2.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
172 9030	31397.13	53 49N	35 50E	74.3	191.0	2.037	-2.45	48.3	SO312	.04070	9.7717	2.2	A
9031	31405.13	53 10N	34 57E	77.0	190.8	1.826	-19.25	48.8	SO312	.04070	9.5489	0.6	V
9032	31407.93	53 10N	34 58E	77.6	190.8	2.037	-18.90	48.8	SO312	.04070	9.3591	0.6	A
9033	31421.53	51 53N	34 4E	84.2	190.6	1.690	-29.75	49.8	SO312	.03070	8.5915	0.8	F
9034	31424.53	51 53N	34 4E	82.9	190.5	1.690	-29.40	49.8	SO312	.03070	8.8474	0.8	V
9035	31442.33	50 35N	34 28E	73.6	190.2	2.037	-7.70	51.1	SO312	.04070	9.9863	0.6	V
9036	31445.13	50 35N	34 27E	74.5	190.2	2.037	-8.05	51.1	SO312	.04070	9.7635	0.8	A
9037	31452.13	49 42N	34 29E	74.2	190.1	2.181	1.05	51.9	SO312	.04070	9.7965	0.6	F
9038	31455.33	49 39N	34 30E	73.4	190.1	2.181	2.10	52.0	SO312	.04070	10.0193	0.6	V
9039	31458.13	49 39N	34 30E	74.3	190.0	2.181	2.45	52.0	SO312	.04070	9.7717	0.6	A
9040	31466.33	48 28N	34 59E	84.3	189.9	2.037	26.25	53.2	SO312	.03070	8.6411	0.8	F
9041	31471.33	48 28N	34 59E	83.6	189.8	2.037	26.60	53.2	SO312	.03070	8.7896	0.8	V
9042	31478.73	47 56N	34 58E	86.9	189.7	1.826	30.45	53.7	SO312	.03070	8.4760	0.6	V
9043	31481.93	47 56N	34 58E	88.3	189.7	1.826	30.80	53.7	SO312	.03070	8.2119	0.6	A
9044	31487.93	47 33N	34 36E	83.3	189.6	1.826	25.20	54.0	SO312	.03070	8.6988	1.0	A
9045	31500.53	46 47N	33 23E	74.0	189.5	2.390	-3.85	54.4	SO312	.04070	9.8130	0.6	A
9046	31509.93	45 35N	34 16E	88.9	189.4	2.037	31.15	55.7	SO312	.03070	8.2119	0.4	F
9047	31512.93	45 36N	34 15E	88.0	189.3	1.826	31.50	55.7	SO312	.03070	8.3357	0.6	V
9048	31516.73	45 9N	33 60E	86.1	189.3	2.037	28.35	56.0	SO312	.03070	8.4760	0.8	F
9049	31519.73	45 9N	34 0E	85.4	189.2	2.037	28.70	56.0	SO312	.03070	8.6163	0.8	V
9050	31525.93	44 35N	33 24E	78.5	189.2	2.390	16.80	56.4	SO312	.04070	9.2848	0.4	F
9051	31528.53	44 36N	33 24E	77.5	189.1	2.181	16.80	56.4	SO312	.03070	9.4746	0.6	V
9052	31575.33	41 29N	31 48E	73.5	188.7	2.530	-7.35	58.6	SO312	.04070	10.0028	0.6	V
9053	31578.13	41 28N	31 48E	74.3	188.7	2.530	-7.00	58.6	SO312	.04070	9.7717	0.6	A
9054	31593.33	40 7N	32 35E	86.0	188.5	2.037	29.75	60.1	SO312	.03070	8.5420	0.8	V
9055	31596.53	40 7N	32 34E	87.1	188.5	2.037	29.75	60.1	SO312	.03070	8.3027	0.8	A
9056	31721.13	31 13N	29 52E	77.4	187.6	2.738	11.20	66.0	SO312	.04070	9.4003	0.6	F
9057	31723.93	31 13N	29 52E	76.7	187.6	2.738	11.55	66.0	SO312	.04070	9.5737	1.0	V
9058	31726.33	31 3N	29 50E	76.7	187.6	2.738	11.55	66.1	SO312	.04070	9.5654	0.6	V
9059	31729.13	31 3N	29 50E	77.8	187.6	2.738	11.90	66.1	SO312	.04070	9.2931	0.6	A
9060	32369.13	12 47S	21 3E	97.8	186.7	3.439	-15.40	54.9	SO312	.03070	7.3288	0.6	A
173 9001	36710.13	52 48N	14 1E	77.8	190.8	2.037	15.05	49.4	SO312	.04070	9.3508	0.6	F
9002	36712.93	52 47N	14 1E	77.0	190.8	2.037	15.40	49.4	SO312	.04070	9.5406	1.6	V
9003	36716.93	52 43N	13 59E	78.0	190.7	1.826	15.75	49.4	SO312	.04070	9.3013	0.4	A
9004	36721.53	52 23N	14 4E	80.7	190.6	1.826	21.00	49.8	SO312	.04070	8.9794	0.6	A
9005	36727.13	51 37N	13 45E	80.1	190.6	2.037	19.95	50.4	SO312	.04070	9.0867	0.6	F
9006	36729.93	51 37N	13 45E	79.3	190.5	1.826	20.30	50.4	SO312	.04070	9.2848	0.6	V
9007	36734.13	51 20N	13 34E	78.2	190.4	2.037	18.20	50.7	SO312	.04070	9.4003	0.8	V
9008	36737.13	51 20N	13 34E	79.2	190.4	1.826	18.55	50.7	SO312	.04070	9.1527	0.8	A
9009	36744.73	50 51N	12 58E	75.0	190.3	2.037	7.00	51.0	SO312	.04070	9.6809	0.4	A
9010	36753.93	49 44N	13 24E	85.4	190.1	2.037	27.65	52.1	SO312	.03070	8.5338	0.6	F
9011	36756.93	49 44N	13 23E	84.6	190.1	1.826	28.00	52.1	SO312	.03070	8.7071	0.6	V
9012	36759.73	49 46N	13 22E	85.3	190.1	1.826	27.65	52.1	SO312	.02200	8.5090	0.6	A
9013	36762.73	49 21N	13 13E	83.9	190.0	1.826	27.30	52.5	SO312	.02200	8.7814	0.4	V
9014	36765.93	49 21N	13 13E	85.2	190.0	1.826	27.65	52.5	SO312	.02200	8.5090	0.4	A
9015	36785.13	48 9N	11 37E	73.9	189.7	2.181	-6.30	53.2	SO312	.03070	9.8212	0.8	A
9016	36953.13	36 21N	9 20E	82.6	188.1	2.390	24.50	62.9	SO312	.03070	8.8969	0.6	V
174 9001	42574.93	14 42N	17 26W	85.6	186.7	2.738	18.20	71.0	SO312	.03070	8.4017	0.6	A
176 9001	53240.33	10 41N	63 15W	84.5	186.6	3.439	-18.90	69.4	SO312	.03070	8.5503	0.6	A
9002	53630.33	16 30S	68 7W	99.5	186.8	3.232	-19.25	51.7	SO312	.03070	7.1968	0.6	F
9003	53633.73	16 29S	68 7W	98.4	186.8	3.232	-18.90	51.7	SO312	.03070	7.3618	0.4	V
9004	53637.33	16 28S	68 10W	100.3	186.8	3.439	-20.30	51.7	SO312	.03070	7.1473	1.4	A
9005	53644.53	17 17S	67 45W	95.2	186.8	3.232	-1.40	51.4	SO312	.03070	7.6094	1.4	V
9006	53653.13	17 57S	67 6W	108.3	186.8	2.530	22.75	51.2	SO312	.02200	6.6851	0.6	V
9007	53656.73	17 55S	67 4W	109.3	186.8	2.530	24.50	51.3	SO312	.02200	6.5035	1.4	A
9008	53668.53	19 18S	67 6W	114.8	186.9	2.390	29.05	50.2	SO312	.02200	6.2642	1.4	F
9009	53675.53	19 28S	67 28W	105.6	186.9	2.530	20.65	49.9	SO312	.03070	6.8584	1.4	V
9010	53686.33	20 7S	68 22W	97.4	186.9	3.232	-4.20	48.9	SO312	.02200	7.4361	1.4	V
9011	53695.53	20 57S	68 52W	101.0	187.0	3.232	-15.75	47.9	SO312	.02200	7.0812	1.4	F
9012	53705.33	21 11S	68 20W	100.4	187.0	3.092	4.20	48.1	SO312	.02200	7.0895	1.4	A
9013	53715.13	22 18S	68 54W	100.9	187.0	3.232	-8.40	46.9	SO312	.03070	7.0895	0.6	F
9014	53720.53	22 25S	68 56W	100.3	187.0	3.092	-9.05	46.8	SO312	.03070	7.2050	1.2	V
9015	53724.73	22 27S	68 53W	101.5	187.1	3.092	-5.95	46.8	SO312	.02200	7.0152	1.4	A
9016	53771.93	25 31S	70 22W	117.2	187.2	3.232	-29.40	43.6	SO312	.03070	6.0826	1.4	A
9017	53790.13	27 22S	70 19W	110.5	187.3	3.092	-19.25	42.2	SO312	.03070	6.4540	0.6	F
9018	53836.53	29 53S	71 16W	128.0	187.5	3.092	-27.65	39.7	SO312	.03070	5.9423	0.8	A
9019	53864.73	32 25S	71 15W	112.3	187.7	2.881	-14.00	37.7	SO312	.03070	6.3385	1.0	F
9020	53869.93	32 45S	71 31W	114.9	187.7	2.881	-18.55	37.3	SO312	.03070	6.1899	1.2	F
9021	53873.73	33 0S	71 37W	115.8	187.7	2.881	-19.60	37.0	SO312	.04070	6.1404	1.0	F
9022	53877.93	33 1S	71 37W	114.5	187.8	2.881	-19.25	37.0	SO312	.04070	6.2807	1.0	V
9023	53881.73	32 59S	71 33W	115.0	187.8	3.092	-17.50	37.1	SO312	.03070	6.1734	0.8	A
9024	53890.93	33 37S	71 39W	114.8	187.8	3.092	-16.10	36.5	SO312	.03070	6.1817	0.6	A
177 9001	58107.53	40 28N	79 58W	89.8	188.5	2.037	-37.45	59.1	SO312	.02200	8.1706	2.8	V
9002	58274.93	28 29N	80 30W	93.7	187.4	2.390	33.60	68.1	SO312	.02200	7.7828	1.2	F
9003	58281.73	28 29N	80 30W	95.0	187.4	2.181	34.65	68.1	SO312	.02200	7.6012	1.2	A
9004	58353.93	23 10N	82 20W	78.3	187.1	3.092	8.40	69.8	SO312	.04070	9.2848	1.0	F
9005	58358.13	23 5N	82 27W	76.6	187.1	3.092	4.90	69.8	SO312	.03070	9.5654	2.2	V
9006	58365.53	22 46N	82 34W	77.4	187.0	3.092	3.15	69.8	SO312	.03070	9.3426	1.0	A
9007	58375.93	21 52N	82 46W	76.5	187.0	3.092	1.40	70.1	SO312	.04070	9.5902	0.6	V
9008	58381.93	21 40N	82 57W	77.3	187.0	3.092	-3.85	70.0	SO312	.04070	9.3591	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
178 9001	63454.53	37 2N	101 52W	73.8	188.2	2.738	-7.70	62.0	S0312	.03070	9.8377	0.8	F
9002	63459.93	37 1N	101 53W	73.8	188.1	2.738	-7.00	62.0	S0312	.03070	9.8377	0.6	A
9003	63485.53	34 54N	102 18W	73.8	187.9	2.738	-5.25	63.5	S0312	.03070	9.8377	0.8	F
9004	63490.93	34 53N	102 19W	73.9	187.9	2.738	-4.55	63.6	S0312	.03070	9.8212	0.6	A
184 9001	8840.13	42 13N	126 43E	74.0	188.8	2.530	-6.65	58.3	S0312	.03070	9.8130	0.4	F
9002	8842.73	42 13N	126 43E	73.1	188.6	2.530	-6.30	58.3	S0312	.04070	10.0523	0.4	V
9003	8850.13	41 47N	125 60E	79.6	188.7	2.390	-25.55	58.4	S0312	.03070	9.2270	0.4	V
9004	8857.13	41 28N	126 11E	76.2	188.7	2.390	-16.80	58.7	S0312	.03070	9.5489	0.6	A
9005	8867.53	40 20N	126 16E	74.0	188.6	2.530	-4.90	59.7	S0312	.03070	9.8130	0.4	F
9006	8874.33	39 56N	125 30E	81.6	188.5	2.181	-26.60	59.8	S0312	.02200	8.8639	0.6	F
9007	8879.53	39 34N	125 41E	79.6	188.5	2.390	-23.45	60.1	S0312	.02200	9.1032	1.6	F
9008	8883.33	39 30N	125 40E	78.5	188.4	2.390	-23.10	60.1	S0312	.02200	9.3591	0.6	V
9009	8888.53	38 56N	125 32E	77.3	188.4	2.530	-18.55	60.6	S0312	.03070	9.3756	0.6	F
9010	8891.33	38 56N	125 31E	76.3	188.4	2.530	-18.20	60.6	S0312	.03070	9.6314	1.4	V
9011	8894.93	38 52N	125 31E	77.0	188.3	2.530	-17.85	60.7	S0312	.02200	9.4334	0.6	A
9012	8898.93	38 23N	125 32E	74.7	188.3	2.530	-13.30	61.1	S0312	.03070	9.8295	0.4	V
9013	8904.13	37 51N	125 22E	76.2	188.3	2.530	-15.40	61.4	S0312	.04070	9.5076	0.6	F
9014	8906.93	37 51N	125 21E	75.3	188.2	2.530	-15.05	61.5	S0312	.04070	9.7552	0.8	V
9015	8909.93	37 50N	125 21E	76.0	188.2	2.738	-14.70	61.5	S0312	.04070	9.5654	1.0	A
9016	9243.33	14 38N	120 58E	78.6	186.7	3.232	-2.10	70.6	S0312	.03070	9.3178	0.8	V
9017	9246.33	14 38N	120 58E	79.7	186.7	3.232	-1.75	70.6	S0312	.03070	9.0702	0.8	A
185 5001	14428.93	23 8N	99 10E	103.4	187.1	2.390	-44.80	68.7	S0130	.01250	6.9663	1.0	F
5002	14430.53	23 1N	99 8E	103.5	187.1	2.390	-44.80	68.7	S0130	.01250	6.9663	1.2	F
5003	14435.13	22 56N	99 14E	97.8	187.1	2.390	-41.65	68.8	S0130	.01660	7.4946	2.2	V
5004	14439.93	22 22N	99 11E	97.3	187.0	2.390	-40.60	69.0	S0130	.01660	7.4203	0.8	F
5005	14444.93	22 30N	99 11E	97.7	187.0	2.738	-40.95	69.0	S0130	.01660	7.4533	1.0	A
5006	14448.53	22 10N	99 6E	99.2	187.0	2.738	-42.00	69.0	S0130	.01250	7.3480	1.2	A
5007	14453.13	21 55N	99 11E	94.6	187.0	2.738	-38.15	69.2	S0130	.01660	7.7009	1.0	A
5008	14455.13	21 47N	99 9E	94.3	187.0	2.738	-38.15	69.2	S0130	.01660	7.7257	1.2	A
5009	14459.33	21 15N	99 10E	90.2	187.0	2.738	-35.70	69.4	S0130	.01660	8.1301	1.0	V
5010	14462.53	21 15N	99 9E	91.3	187.0	2.738	-35.70	69.4	S0130	.01660	7.9816	1.0	A
5011	14468.53	20 24N	98 43E	101.9	186.9	2.530	-43.05	69.3	S0130	.01250	7.0571	1.0	F
5012	14473.93	20 16N	98 39E	102.1	186.9	2.530	-43.75	69.4	S0130	.01250	7.1562	1.0	V
5013	14478.33	20 13N	98 43E	99.8	186.9	2.738	-41.65	69.4	S0130	.01250	7.3047	1.0	A
5014	14485.33	19 29N	98 37E	98.5	186.9	2.530	-41.30	69.5	S0130	.01660	7.4285	1.2	V
5015	14493.13	18 42N	98 29E	100.0	186.9	2.530	-41.30	69.6	S0130	.01250	7.1974	1.2	F
5016	14498.13	18 50N	98 35E	97.0	186.9	2.738	-38.50	69.7	S0130	.01660	7.5111	1.4	A
9001	13703.33	72 37N	121 56E	78.9	202.0	0.787	-0.70	31.0	S0312	.03070	9.1858	0.4	A
9002	13957.93	55 41N	109 23E	75.0	191.5	1.826	3.50	47.0	S0312	.02200	9.6809	1.0	A
9003	14004.33	52 12N	107 38E	74.6	190.7	2.037	-7.35	50.0	S0312	.03070	9.7305	0.4	F
9004	14008.53	51 54N	107 45E	74.3	190.6	2.037	-0.70	50.3	S0312	.04070	9.7717	0.6	F
9005	14011.53	51 52N	107 44E	73.5	190.5	2.037	-0.70	50.3	S0312	.04070	10.0028	0.4	V
9006	14014.13	51 53N	107 45E	74.4	190.5	2.037	-0.35	50.3	S0312	.04070	9.7635	0.6	A
9007	14066.73	47 49N	107 12E	81.2	189.7	2.181	22.75	54.0	S0312	.03070	8.9794	0.4	F
9008	14069.73	47 48N	107 11E	80.5	189.7	2.181	23.10	54.0	S0312	.03070	9.1362	0.4	V
9009	14076.33	47 33N	107 19E	85.9	189.6	1.826	29.05	54.3	S0312	.03070	8.4430	0.4	A
9010	14222.13	37 12N	104 5E	79.5	188.2	2.530	19.95	62.4	S0312	.02200	9.1775	1.6	F
9011	14227.53	37 2N	103 59E	78.1	188.2	2.530	18.90	62.5	S0312	.02200	9.4251	0.6	V
9012	14234.33	36 35N	103 41E	75.1	188.1	2.530	12.60	62.7	S0312	.03070	9.7965	0.4	V
9013	14237.53	36 33N	103 37E	75.5	188.1	2.530	10.85	62.7	S0312	.03070	9.6067	1.6	A
9014	14354.93	28 16N	102 2E	80.1	187.4	2.530	20.30	68.1	S0312	.03070	9.1775	0.8	V
9015	14357.93	28 16N	102 2E	81.4	187.4	2.530	20.65	68.1	S0312	.03070	8.8887	0.8	A
9016	14368.33	27 33N	101 41E	76.9	187.3	2.738	13.30	68.3	S0312	.03070	9.4086	0.4	A
9017	14398.53	25 22N	100 40E	76.8	187.2	3.092	-17.15	68.7	S0312	.03070	9.5489	0.6	V
9018	14504.53	18 19N	98 51E	86.0	186.8	3.092	-27.65	70.1	S0312	.03070	8.4512	0.4	A
186 9001	19263.93	56 7N	85 59E	85.7	191.6	1.690	-30.45	46.3	S0312	.02200	8.4843	0.6	A
9002	19278.73	55 3N	85 57E	80.2	191.3	1.826	-22.75	47.4	S0312	.02200	9.0867	0.6	A
9003	19294.13	53 49N	87 15E	82.2	191.0	1.826	22.75	48.8	S0312	.04070	8.8226	0.6	A
9004	19312.73	52 32N	85 2E	78.8	190.7	1.826	-22.40	49.6	S0312	.04070	9.3096	0.6	V
9005	19315.53	52 33N	85 2E	79.6	190.6	2.037	-22.40	49.6	S0312	.04070	9.1362	0.6	A
9006	19351.53	49 41N	84 14E	77.3	190.1	2.037	-19.25	52.0	S0312	.03070	9.3756	0.8	F
9007	19399.93	46 32N	83 37E	73.5	189.5	2.181	-8.40	54.8	S0312	.03070	9.9946	0.4	V
9008	19408.73	46 12N	82 48E	82.5	189.3	2.181	-28.70	54.8	S0312	.03070	8.8309	0.6	A
9009	19445.53	43 29N	83 55E	85.7	188.9	2.037	28.70	57.7	S0312	.02200	8.4430	0.6	A
9010	19472.13	41 50N	81 50E	74.9	188.7	2.390	-23.45	58.4	S0312	.03070	9.2188	0.4	A
9011	19693.13	26 14N	78 14E	84.5	187.3	2.738	-28.35	68.1	S0312	.03070	8.5585	0.6	F
9012	19695.93	26 15N	78 14E	83.3	187.2	2.738	-28.00	68.1	S0312	.03070	8.8061	0.8	V
9013	19927.13	9 60N	76 16E	85.0	186.6	3.092	12.95	69.9	S0312	.03070	8.5338	1.0	F
187 9001	24575.33	55 34N	65 18E	75.3	191.5	1.826	8.40	47.1	S0312	.04070	9.7552	0.4	V
9002	24578.13	55 34N	65 17E	76.2	191.5	1.826	8.40	47.1	S0312	.04070	9.5241	0.4	A
9003	24829.33	38 25N	59 50E	76.4	188.3	2.530	10.50	61.4	S0312	.03070	9.4911	0.4	A
9004	24843.93	37 24N	59 38E	77.0	188.2	2.530	12.25	62.2	S0312	.02200	9.4168	0.4	A
9005	24850.93	36 42N	59 41E	78.7	188.1	2.390	19.25	62.8	S0312	.03070	9.3426	1.0	V
9006	25565.13	12 15S	49 17E	99.5	186.7	3.232	-21.70	55.0	S0312	.03070	7.2876	0.6	V
9007	25568.93	12 15S	49 17E	100.7	186.7	3.439	-21.35	55.1	S0312	.03070	7.1308	0.6	A
188 9001	29842.73	58 25N	43 50E	74.7	192.4	1.690	-7.00	44.5	S0312	.04070	9.8295	0.6	V
9002	29845.53	58 25N	43 49E	75.6	192.4	1.690	-7.00	44.5	S0312	.04070	9.6067	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
188	9003	29853.93	57 33N	42 38E	82.0	192.2	1.484	-24.85	45.2	SO312	.04070	8.8391	0.8	F
	9004	29856.93	57 32N	42 39E	80.7	192.1	1.690	-24.50	45.2	SO312	.04070	9.0950	0.6	V
	9005	29868.53	56 23N	43 50E	78.5	191.9	2.037	14.70	46.5	SO312	.04070	9.2683	0.6	F
	9006	29871.33	56 22N	43 49E	77.6	191.8	1.826	15.05	46.5	SO312	.04070	9.4746	0.6	V
	9007	29874.53	56 21N	43 49E	78.7	191.7	1.826	15.40	46.5	SO312	.04070	9.2270	0.4	A
	9008	29879.73	55 46N	43 55E	81.8	191.6	1.826	23.10	47.1	SO312	.04070	8.4877	1.2	V
	9009	29885.73	55 14N	43 9E	76.7	191.5	2.037	10.50	47.5	SO312	.04070	9.4746	0.6	F
	9010	29893.13	54 52N	43 25E	80.4	191.4	1.826	21.00	47.9	SO312	.04070	9.1527	0.8	V
	9011	29896.13	54 52N	43 25E	81.5	191.3	1.826	21.35	47.9	SO312	.04070	8.8969	0.8	A
	9012	29927.13	52 30N	41 28E	74.6	190.7	2.037	-4.90	49.8	SO312	.04070	9.7305	0.8	F
	9013	29940.93	51 27N	41 58E	79.9	190.5	2.181	18.90	50.9	SO312	.04070	9.1197	0.6	F
	9014	29943.73	51 27N	41 58E	79.0	190.5	2.181	18.90	50.9	SO312	.04070	9.3178	0.6	V
	9015	29954.73	50 49N	40 37E	74.6	190.3	2.037	-11.90	51.2	SO312	.04070	9.8460	0.6	V
	9016	29957.53	50 49N	40 37E	75.4	190.3	2.037	-11.55	51.2	SO312	.04070	9.6397	0.6	A
	9017	29995.13	47 54N	39 36E	76.0	189.7	2.181	-14.70	53.6	SO312	.04070	9.5406	0.4	F
	9018	30001.13	47 28N	39 41E	74.6	189.7	2.181	-8.05	54.1	SO312	.04070	9.7305	0.6	F
	9019	30008.33	47 14N	38 53E	82.0	189.6	2.037	-28.35	54.0	SO312	.03070	8.9547	0.6	V
	9020	30011.33	47 14N	38 53E	82.7	189.5	2.037	-28.00	54.1	SO312	.03070	8.7979	0.6	A
	9021	30026.93	46 6N	38 59E	76.5	189.3	2.390	-16.45	55.1	SO312	.03070	9.5076	0.8	A
	9022	30041.13	45 0N	38 1E	87.0	189.2	2.037	-34.30	55.8	SO312	.03070	8.4347	0.8	V
	9023	30044.33	45 0N	38 1E	87.7	189.1	2.037	-33.95	55.8	SO312	.03070	8.3027	0.8	A
	9024	30179.93	35 10N	36 45E	74.8	188.0	2.738	2.80	63.7	SO312	.03070	9.7222	0.4	F
	9025	30182.53	35 10N	36 45E	74.0	188.0	2.738	3.15	63.7	SO312	.03070	9.9285	0.6	V
	9026	30186.73	34 41N	36 47E	75.8	187.9	2.738	8.40	64.1	SO312	.02200	9.5984	1.2	F
	9027	30192.33	34 40N	36 47E	76.1	187.9	2.738	9.10	64.1	SO312	.02200	9.5241	1.0	A
	9028	30200.53	33 48N	36 2E	75.1	187.8	2.738	-12.60	64.3	SO312	.03070	9.6644	0.8	F
	9029	30204.53	33 42N	36 1E	74.6	187.8	2.738	-11.55	64.4	SO312	.03070	9.8130	0.6	V
	9030	30207.33	33 42N	36 1E	75.7	187.8	2.738	-11.20	64.4	SO312	.03070	9.5984	1.2	A
	9031	30217.33	32 54N	35 6E	89.0	187.7	2.390	-35.70	64.5	SO312	.01650	8.2367	0.6	V
	9032	30220.53	32 54N	35 6E	89.8	187.7	2.390	-35.35	64.5	SO312	.01650	8.1046	0.6	A
	9033	30226.33	32 4N	34 54E	90.9	187.7	2.390	-36.40	65.0	SO312	.01650	7.9478	1.0	F
	9034	30229.53	32 4N	34 54E	89.5	187.7	2.390	-36.05	65.0	SO312	.01650	8.1954	1.0	V
	9035	30231.33	31 56N	34 53E	89.5	187.7	2.390	-36.05	65.1	SO312	.01650	8.1871	0.6	V
	9036	30234.53	31 57N	34 52E	90.7	187.6	2.390	-36.05	65.0	SO312	.01650	8.0221	0.8	A
	9037	30240.93	31 2N	35 10E	79.7	187.6	2.738	-22.40	65.9	SO312	.03070	9.0867	0.6	F
	9038	30243.73	31 2N	35 9E	78.7	187.6	2.738	-22.05	65.9	SO312	.03070	9.3343	0.6	V
	9039	30249.53	30 27N	34 55E	82.3	187.6	2.738	-26.60	66.1	SO312	.03070	8.7979	0.6	F
	9040	30252.53	30 27N	34 55E	81.1	187.5	2.738	-26.25	66.1	SO312	.03070	9.0455	0.4	V
	9041	30258.93	29 59N	34 58E	78.3	187.5	2.738	-21.00	66.5	SO312	.02200	9.3673	0.6	V
	9042	30264.93	29 33N	35 0E	76.8	187.5	2.881	-16.45	66.8	SO312	.04070	9.5489	1.4	V
	9043	30284.93	28 1N	34 24E	83.2	187.4	2.738	-26.95	67.4	SO312	.01650	8.6906	0.6	F
	9044	30287.73	28 1N	34 24E	82.1	187.4	2.738	-26.60	67.4	SO312	.01650	8.9382	0.8	V
	9045	30466.53	15 39N	32 29E	78.9	186.8	3.232	-9.80	70.5	SO312	.03070	9.2848	0.6	V
	9046	30469.53	15 39N	32 29E	79.9	186.8	3.232	-9.45	70.6	SO312	.03070	9.0537	0.6	A
189	5001	35204.53	54 43N	20 27E	74.1	191.3	1.826	1.75	47.9	SO130	.03080	9.9212	0.6	V
	5002	35207.33	54 43N	20 27E	75.0	191.2	2.037	1.75	47.9	SO130	.03080	9.6901	0.6	A
	9001	35204.53	54 43N	20 27E	74.1	191.3	1.826	1.75	47.9	SO312	.05390	9.9203	0.6	V
	9002	35207.33	54 43N	20 27E	74.9	191.2	2.037	1.75	47.9	SO312	.05390	9.6892	0.6	A
	9003	35218.53	53 52N	20 57E	82.4	191.0	1.690	23.10	48.8	SO312	.04070	8.7896	0.6	A
	9004	35250.93	51 37N	18 44E	75.0	190.5	2.037	-13.30	50.5	SO312	.04070	9.7965	0.4	V
	9005	35253.73	51 37N	18 44E	75.8	190.4	2.037	-12.95	50.5	SO312	.04070	9.5902	0.4	A
	9006	35264.33	50 28N	18 52E	74.4	190.3	2.181	1.75	51.6	SO312	.04070	9.7635	0.4	F
	9007	35266.93	50 28N	18 52E	73.5	190.2	2.181	1.75	51.6	SO312	.04070	9.9946	0.6	V
	9008	35269.73	50 28N	18 52E	74.4	190.2	2.181	2.10	51.6	SO312	.04070	9.7552	0.6	A
	9009	35292.13	48 44N	18 31E	74.7	189.9	2.181	8.75	53.2	SO312	.02200	9.8460	0.6	V
	9010	35294.93	48 43N	18 31E	75.7	189.8	2.181	9.10	53.2	SO312	.02200	9.5902	0.6	A
	9011	35315.13	47 11N	17 48E	73.4	189.6	2.181	2.10	54.4	SO312	.04070	10.0193	0.6	V
	9012	35317.93	47 11N	17 48E	74.3	189.5	2.181	2.45	54.4	SO312	.04070	9.7717	0.6	A
	9013	35341.33	45 29N	16 22E	80.1	189.3	2.181	-25.90	55.5	SO312	.03070	9.1775	0.4	V
	9014	35344.13	45 30N	16 22E	80.9	189.2	2.181	-25.55	55.5	SO312	.03070	9.0042	0.6	A
	9015	35364.13	43 44N	15 55E	80.9	189.0	2.181	-25.55	56.9	SO312	.04070	8.9382	0.4	F
	9016	35366.93	43 44N	15 55E	79.8	189.0	2.181	-25.20	56.9	SO312	.04070	9.1940	0.6	V
	9017	35373.13	43 5N	16 11E	75.3	188.9	2.390	-12.25	57.6	SO312	.03070	9.6397	0.4	F
	9018	35375.73	43 5N	16 11E	74.3	188.9	2.390	-11.90	57.6	SO312	.04070	9.8873	0.4	V
	9019	35379.13	43 3N	16 7E	75.5	188.9	2.390	-13.30	57.6	SO312	.03070	9.6232	0.4	A
	9020	35522.33	32 52N	13 15E	83.2	187.8	2.530	-28.00	64.7	SO312	.01650	8.6906	0.6	F
	9021	35525.13	32 52N	13 15E	82.0	187.7	2.530	-27.65	64.7	SO312	.01650	8.9382	0.6	V
	9022	35857.93	9 57N	8 52E	88.8	186.6	3.092	-28.00	68.9	SO312	.03070	8.2367	1.4	V
	9023	36555.53	37 16S	0 8W	120.1	188.2	2.881	-17.50	32.9	SO312	.03070	5.9011	0.6	A
	9024	36636.73	43 10S	0 16W	123.7	188.9	2.037	12.95	28.0	SO312	.03070	5.7855	1.4	V
	9025	36641.33	43 9S	0 16W	125.8	189.0	2.037	13.30	28.0	SO312	.02200	5.5875	1.4	A
190	9001	40819.53	33 38N	7 37W	76.3	187.8	2.530	11.55	64.8	SO312	.03070	9.6314	0.6	V
	9002	40822.33	33 38N	7 37W	77.2	187.8	2.530	11.55	64.8	SO312	.03070	9.3756	0.6	A
	9003	40898.53	28 4N	9 18W	75.8	187.4	2.881	-8.05	67.7	SO312	.02200	9.5654	0.8	F
191	5001	46831.33	14 45S	39 17W	96.5	186.7	3.232	-10.15	53.2	SO130	.01660	7.5111	1.4	V
	9001	46691.33	4 53S	37 58W	98.1	186.5	3.439	-26.25	60.6	SO312	.02200	7.3371	0.8	A
	9002	46704.53	6 14S	38 32W	108.0	186.5	3.390	31.15	60.8	SO312	.02200	6.7264	1.4	V
	9003	46721.13	6 53S	38 35W	106.4	186.6	3.439	-33.95	59.0	SO312	.02200	6.7841	0.6	A
	9004	46729.73	7 30S	38 29W	100.8	186.6	3.439	-27.65	58.6	SO312	.02200	7.1308	1.4	A
	9005	46739.93	8 13S	38 31W	99.0	186.6	3.439	-24.50	58.2	SO312	.02200	7.2628	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
191 9006	46769.73	10 30S	39 2W	101.9	186.6	3.232	-27.65	56.3	S0312	.03070	7.1390	0.6	V
9007	46776.73	11 3S	38 29W	93.1	186.6	3.232	-6.30	56.3	S0312	.03070	7.7993	1.4	V
9008	46789.33	11 44S	37 57W	101.2	186.7	2.738	17.50	56.2	S0312	.02200	7.0400	0.6	A
9009	46797.53	12 44S	38 27W	96.2	186.7	3.232	5.25	55.1	S0312	.03070	7.4856	0.6	F
9010	46801.13	12 45S	38 27W	95.5	186.7	3.232	5.95	55.1	S0312	.04070	7.6012	0.4	V
9011	46803.93	12 57S	38 29W	95.6	186.7	3.232	5.60	54.9	S0312	.04070	7.5929	0.4	V
9012	46807.53	12 57S	38 30W	97.0	186.7	3.232	5.95	55.0	S0312	.03070	7.3618	0.4	A
9013	46823.73	14 16S	38 59W	95.4	186.7	3.232	-3.15	53.7	S0312	.03070	7.6094	0.6	V
9014	46831.33	14 46S	39 17W	96.5	186.7	3.232	-10.15	53.1	S0312	.03070	7.5104	1.4	V
9015	46850.73	16 23S	39 5W	99.2	186.8	3.092	6.30	52.1	S0312	.03070	7.2463	1.4	F
9016	46858.13	16 23S	39 6W	99.8	186.8	3.092	6.65	52.1	S0312	.03070	7.1390	0.6	A
192 5001	52371.93	30 59S	64 14W	109.2	187.6	2.881	0.35	39.0	S0312	.03080	6.5371	0.6	F
5002	52378.33	31 26S	64 11W	110.5	187.6	2.738	4.55	38.6	S0312	.03080	6.4628	0.4	F
5003	52382.13	31 24S	64 15W	109.2	187.6	2.738	2.80	38.6	S0312	.03080	6.5949	0.8	V
5004	52386.33	31 25S	64 15W	111.0	187.6	2.738	3.15	38.6	S0312	.03080	6.3968	0.8	A
5005	52394.13	32 13S	64 28W	109.7	187.7	2.738	1.75	37.9	S0312	.03080	6.5619	0.6	V
5006	52398.33	32 13S	64 27W	111.5	187.7	2.738	2.45	37.9	S0312	.03080	6.3638	0.6	A
5007	52462.73	37 11S	65 1W	120.2	188.1	2.390	15.05	33.5	S0312	.03080	5.9346	0.6	F
5008	52495.53	39 1S	66 11W	115.3	188.4	2.530	-1.40	31.5	S0312	.03080	6.2234	0.8	V
9001	52382.33	31 26S	64 15W	109.2	187.6	2.738	2.80	38.6	S0312	.03070	6.5943	1.4	V
9002	52393.93	32 12S	64 28W	109.6	187.7	2.738	1.75	37.9	S0312	.03070	6.5613	1.4	V
9003	52474.73	37 20S	65 46W	115.6	188.2	2.738	-1.05	33.1	S0312	.03070	6.1156	0.8	A
193 5001	56928.53	20 21N	77 8W	77.8	186.9	3.092	-7.70	70.4	S0312	.04000	9.3270	0.6	F
5002	56934.53	20 19N	77 6W	77.9	186.9	3.232	-5.25	70.4	S0312	.04000	9.3104	0.8	A
5003	57281.13	3 33S	80 27W	103.6	186.5	2.390	27.65	62.7	S0312	.02210	6.9085	0.6	A
5004	57289.13	4 31S	81 13W	90.5	186.5	3.092	5.60	61.5	S0312	.02210	7.9898	1.0	F
5005	57300.33	4 52S	80 40W	104.4	186.5	2.530	27.30	61.8	S0312	.02210	6.8673	0.8	A
5006	57304.73	5 10S	80 37W	108.2	186.5	2.181	30.80	61.8	S0312	.01660	6.6114	1.0	A
9001	56919.13	20 53N	76 19W	84.6	187.0	2.738	20.65	70.9	S0312	.03070	8.6081	0.4	F
9002	56940.13	19 57N	77 19W	78.8	186.9	3.232	-11.20	70.4	S0312	.03070	9.2023	1.4	A
9003	57254.93	2 9S	80 59W	88.1	186.5	3.439	-1.40	63.1	S0312	.03070	8.1954	1.4	F
9004	57292.73	4 33S	81 15W	89.6	186.5	3.092	5.25	61.5	S0312	.02200	8.1294	1.0	V
194 5001	61989.53	37 7N	95 34W	74.2	188.2	2.738	-2.10	62.3	S0312	.03080	9.7892	0.8	F
5002	61994.93	37 7N	95 34W	74.4	188.1	2.738	-1.05	62.4	S0312	.03080	9.7644	0.6	A
9001	61875.53	45 5N	93 12W	74.2	189.2	2.390	7.70	56.3	S0312	.03070	9.9038	2.8	V
9002	61989.53	37 7N	95 34W	74.2	188.2	2.738	-2.10	62.3	S0312	.03070	9.7842	0.6	F
9003	61994.93	37 7N	95 34W	74.4	188.1	2.738	-1.05	62.4	S0312	.03070	9.7635	0.6	A
199 5001	1880.53	54 38N	158 30E	77.5	191.2	1.826	-18.55	48.0	S0312	.02210	9.4755	0.4	V
5002	1890.73	54 11N	157 57E	83.1	191.0	1.826	-27.30	48.3	S0312	.02210	8.7904	0.4	A
5003	1898.13	53 12N	158 28E	75.1	190.9	2.037	-5.95	49.4	S0312	.02210	9.6736	0.6	F
5004	1900.93	53 11N	158 28E	74.2	190.9	2.037	-5.60	49.4	S0312	.02210	9.9047	0.4	V
5005	1904.13	52 58N	158 23E	74.1	190.8	2.037	-5.25	49.6	S0312	.04000	9.9130	0.6	V
5006	1906.93	52 58N	158 23E	75.0	190.8	2.037	-4.90	49.6	S0312	.04000	9.7066	0.4	A
5007	1918.73	52 8N	158 18E	75.0	190.6	2.037	1.05	50.4	S0312	.02210	9.7066	0.8	A
5008	1927.53	51 35N	157 45E	75.3	190.4	2.181	-8.75	50.8	S0312	.02210	9.6736	0.6	A
9001	1835.53	57 28N	161 32E	83.1	192.2	1.690	24.15	45.8	S0312	.03070	8.8474	0.4	V
9002	1838.53	57 28N	161 33E	84.3	192.1	1.690	24.50	45.8	S0312	.03070	8.5998	0.6	A
200 5001	7277.13	48 31N	134 56E	74.5	189.9	2.181	0.70	53.5	S0312	.04000	9.7562	0.6	F
5002	7281.33	48 24N	135 5E	74.5	189.8	2.181	6.65	53.6	S0312	.04000	9.8635	0.6	V
5003	7284.13	48 23N	135 5E	75.5	189.8	2.181	7.00	53.7	S0312	.04000	9.6324	0.8	A
5004	7286.93	48 12N	135 2E	75.6	189.7	2.181	7.35	53.8	S0312	.04000	9.6241	0.4	A
5005	7291.33	47 54N	134 57E	75.8	189.7	2.181	8.05	54.1	S0312	.04000	9.5993	0.6	A
5006	7296.13	47 35N	134 46E	75.1	189.6	2.181	5.25	54.3	S0312	.04000	9.6819	0.6	A
5007	7302.33	46 50N	134 8E	74.6	189.5	2.390	-7.70	54.8	S0312	.04000	9.7314	0.4	F
5008	7315.53	45 56N	133 50E	74.7	189.4	2.390	-8.75	55.6	S0312	.04000	9.7149	0.8	F
5009	7319.93	45 50N	133 41E	74.7	189.3	2.390	-12.60	55.6	S0312	.04000	9.8387	0.6	V
5010	7325.13	45 29N	133 23E	76.5	189.3	2.181	-18.20	55.8	S0312	.04000	9.6158	0.4	V
5011	7328.13	45 28N	133 25E	77.0	189.2	2.390	-17.15	55.9	S0312	.03080	9.4673	0.4	A
5012	7336.33	44 33N	132 51E	81.7	189.1	2.037	-26.60	56.5	S0312	.03080	8.8565	0.8	F
5013	7339.33	44 33N	132 51E	80.6	189.1	2.037	-26.25	56.5	S0312	.03080	9.1123	0.6	V
5014	7344.33	44 14N	132 34E	84.1	189.1	2.037	-31.15	56.7	S0312	.03080	8.7244	0.4	V
5015	7347.53	44 13N	132 34E	84.9	189.0	2.037	-30.80	56.7	S0312	.03080	8.5923	0.4	A
5016	7353.13	43 25N	132 9E	90.1	189.0	1.826	-36.05	57.2	S0312	.02210	8.0393	0.6	F
5017	7356.13	43 26N	132 10E	88.6	188.9	2.037	-35.70	57.2	S0312	.02210	8.2869	0.8	V
5018	7365.13	42 42N	133 3E	73.4	188.9	2.530	-4.55	58.2	S0312	.04000	10.0120	0.4	V
5019	7367.93	42 42N	133 3E	74.3	188.8	2.530	-4.20	58.2	S0312	.03080	9.7892	0.4	A
9001	7309.13	46 35N	133 39E	77.2	189.5	2.181	-19.95	54.9	S0312	.04070	9.5241	0.8	V
9002	7335.33	44 37N	132 52E	81.8	189.2	2.037	-26.60	56.4	S0312	.02200	8.8474	0.4	F
9003	7542.33	30 26N	130 58E	85.1	187.6	2.390	26.25	67.3	S0312	.03070	8.6246	0.8	V
9004	7545.53	30 25N	130 58E	86.5	187.5	2.390	26.60	67.3	S0312	.03070	8.3440	0.8	A
9005	8383.13	27 10S	119 54E	107.9	187.3	2.738	8.40	42.5	S0312	.03070	6.6851	0.6	V
9006	8387.13	27 10S	119 55E	109.8	187.3	2.738	9.10	42.5	S0312	.03070	6.4623	0.6	A
201 5001	12384.93	62 34N	117 31E	83.5	194.1	1.338	-26.25	40.8	S0312	.02210	8.7904	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
201 5002	12544.33	51 32N	113 3E	78.6	190.5	1.826	-20.65	50.7	SO312	.04000	9.2114	0.4	F
5003	12546.93	51 32N	113 3E	77.7	190.5	1.826	-20.65	50.7	SO312	.04000	9.4425	1.2	V
5004	12550.73	51 28N	113 4E	78.1	190.4	2.037	-19.60	50.8	SO312	.04000	9.3352	0.6	A
5005	12552.33	51 22N	113 1E	78.0	190.4	2.037	-19.60	50.9	SO312	.04000	9.3352	0.6	A
5006	12886.73	28 1N	107 8E	78.6	187.4	2.881	-19.60	67.7	SO312	.03080	9.2114	0.6	F
5007	12889.53	28 1N	107 8E	77.7	187.4	2.881	-19.25	67.7	SO312	.03080	9.4425	0.6	V
5008	12913.53	26 17N	107 32E	77.1	187.3	2.881	10.85	69.1	SO312	.03080	9.5168	0.4	V
5009	12916.53	26 16N	107 32E	78.3	187.2	2.881	11.20	69.1	SO312	.03080	9.2609	0.4	A
9001	12256.13	70 47N	126 60E	81.3	200.2	0.995	15.75	33.2	SO312	.03070	9.0207	0.6	V
9002	12259.13	70 47N	126 59E	82.2	200.0	0.995	15.75	33.2	SO312	.03070	8.8144	0.6	A
9003	12524.13	52 53N	113 39E	77.4	190.8	1.826	-17.85	49.6	SO312	.04070	9.3508	0.8	F
9004	12529.53	52 54N	113 39E	77.2	190.7	2.037	-17.50	49.6	SO312	.04070	9.4251	1.0	A
9005	12537.73	51 59N	113 6E	80.1	190.6	1.826	-23.45	50.3	SO312	.03070	9.0296	0.4	F
9006	12540.53	51 59N	113 6E	79.0	190.6	1.826	-23.10	50.3	SO312	.03070	9.2848	0.4	V
9007	12543.93	51 33N	113 4E	78.7	190.5	1.826	-20.65	50.7	SO312	.03070	9.2105	0.4	F
9008	12894.33	27 42N	106 53E	80.9	187.3	2.881	-25.55	67.7	SO312	.03070	9.0620	0.4	V
9009	12897.93	27 15N	106 50E	81.4	187.3	2.881	-24.85	68.0	SO312	.03070	8.8721	0.4	F
9010	12900.73	27 16N	106 50E	80.4	187.3	2.881	-24.50	68.0	SO312	.03070	9.1197	0.4	V
202 9001	17673.73	63 48N	97 34E	75.8	194.8	1.484	0.00	39.8	SO312	.03070	9.6809	0.6	V
9002	17676.53	63 48N	97 34E	76.7	194.7	1.484	0.35	39.8	SO312	.03070	9.4664	0.6	A
9003	18009.53	40 50N	89 49E	98.1	188.6	1.826	39.55	60.3	SO312	.02200	7.4939	0.6	V
9004	18013.13	40 50N	89 49E	99.9	188.6	1.826	39.90	60.3	SO312	.02200	7.2381	0.8	A
9005	18345.13	17 44N	83 17E	79.1	186.8	3.232	-9.45	70.7	SO312	.04070	9.1445	1.0	F
9006	18350.93	17 44N	83 17E	79.2	186.8	3.232	-8.40	70.7	SO312	.04070	9.1362	1.0	A
203 5001	23018.73	61 16N	73 22E	77.3	193.6	1.484	-11.55	42.2	SO312	.03080	9.3682	0.4	F
5002	23024.33	61 17N	73 14E	77.9	193.5	1.484	-13.65	42.1	SO312	.03080	9.3352	0.4	A
5003	23344.73	39 17N	65 9E	80.3	188.4	2.390	-25.90	60.6	SO312	.03080	9.1454	0.6	V
5004	23458.13	31 35N	64 20E	76.4	187.6	2.738	8.05	66.3	SO312	.03080	9.5003	0.4	A
9001	23268.33	44 33N	66 16E	84.8	189.1	2.037	-31.85	56.5	SO312	.02200	8.6576	0.8	V
9002	23271.33	44 34N	66 16E	85.5	189.1	2.037	-31.50	56.5	SO312	.02200	8.5090	0.8	A
9003	23291.13	42 48N	67 27E	79.2	188.9	2.390	19.25	58.5	SO312	.03070	9.2765	0.8	V
9004	23294.13	42 48N	67 26E	80.2	188.8	2.181	19.60	58.5	SO312	.02200	9.0372	0.8	A
9005	23332.33	40 8N	65 20E	80.7	186.5	2.390	-26.60	60.0	SO312	.02200	9.1032	0.8	V
9006	23335.33	40 8N	65 20E	81.4	186.5	2.390	-26.25	60.0	SO312	.02200	8.9382	0.8	A
9007	23349.73	38 57N	65 2E	81.0	188.4	2.390	-26.95	60.9	SO312	.02200	9.0702	0.8	V
9008	23352.73	38 57N	65 2E	81.7	188.3	2.390	-26.60	60.9	SO312	.02200	8.9052	0.8	A
204 5001	28450.53	53 12N	48 35E	78.0	190.8	2.037	14.00	49.6	SO312	.04000	9.3187	0.6	A
5002	28461.93	52 9N	47 10E	76.3	190.6	2.037	-14.00	50.3	SO312	.04000	9.4920	0.8	F
5003	28467.53	52 9N	47 10E	76.2	190.6	2.037	-13.30	50.3	SO312	.04000	9.5416	0.6	A
5004	28554.33	46 12N	45 22E	75.3	189.4	2.390	-10.50	55.4	SO312	.04000	9.6736	0.4	A
5005	28583.93	43 49N	44 36E	75.8	189.0	2.390	-13.65	57.3	SO312	.02210	9.5828	0.6	F
5006	28589.33	43 49N	44 36E	75.7	189.0	2.390	-12.95	57.3	SO312	.02210	9.6241	0.6	A
5007	28593.33	43 10N	44 33E	74.7	188.9	2.390	-9.45	57.9	SO312	.02210	9.7314	0.6	F
5008	28598.53	43 13N	44 17E	77.2	188.9	2.390	-18.20	57.7	SO312	.02210	9.4343	0.6	A
5009	28618.93	41 42N	44 52E	77.9	188.7	2.530	14.70	59.3	SO312	.03080	9.3352	0.4	A
5010	28630.13	40 50N	43 50E	74.0	188.6	2.530	-12.95	59.7	SO312	.03080	9.9377	1.0	V
5011	28635.13	40 39N	43 58E	73.8	188.5	2.530	-6.30	59.9	SO312	.02210	9.8635	0.6	A
5012	28681.13	37 10N	42 39E	79.6	188.2	2.530	-23.10	62.2	SO312	.03080	9.1041	0.6	F
5013	28683.93	37 10N	42 39E	78.5	188.2	2.530	-22.75	62.2	SO312	.03080	9.3435	0.6	V
5014	28714.13	34 42N	43 35E	87.7	187.9	2.390	28.70	64.7	SO312	.01860	8.3200	0.6	F
5015	29660.13	29 51S	31 4E	112.4	187.5	2.530	13.30	40.1	SO312	.04000	6.4050	0.8	V
5016	29664.33	29 50S	31 4E	114.4	187.5	2.530	13.65	40.1	SO312	.04000	6.1987	0.8	A
9001	28219.73	68 36N	56 33E	77.6	198.0	0.995	-8.75	35.3	SO312	.03070	9.4581	0.6	V
9002	28408.93	55 53N	49 4E	74.3	191.6	1.826	-2.10	47.1	SO312	.04070	9.8873	0.6	V
9003	28411.73	55 53N	49 4E	75.2	191.6	1.826	-1.75	47.1	SO312	.04070	9.6644	0.6	A
9004	28432.53	54 18N	48 15E	74.4	191.2	2.037	-6.65	48.5	SO312	.04070	9.8790	0.6	V
9005	28435.33	54 18N	48 15E	75.2	191.1	2.037	-6.30	48.5	SO312	.04070	9.6644	0.6	A
9006	28462.13	52 8N	47 10E	76.4	190.6	2.037	-14.00	50.3	SO312	.04070	9.4911	1.8	F
9007	28467.53	52 8N	47 10E	76.2	190.6	2.037	-13.30	50.3	SO312	.04070	9.5406	1.8	A
9008	28510.93	48 47N	46 19E	74.8	189.9	2.181	-6.30	53.3	SO312	.04070	9.7057	0.4	F
9009	28513.53	48 47N	46 19E	73.9	189.9	2.181	-5.95	53.3	SO312	.04070	9.9450	0.4	V
9010	28517.13	48 21N	46 17E	74.5	189.8	2.181	-2.80	53.7	SO312	.04070	9.7387	0.8	F
9011	28522.53	48 20N	46 17E	74.6	189.8	2.181	-2.10	53.7	SO312	.04070	9.7470	0.8	A
9012	28541.93	46 55N	44 59E	81.7	189.5	2.037	-27.65	54.6	SO312	.03070	8.9877	1.0	V
9013	28545.13	46 55N	44 58E	82.7	189.5	2.037	-27.65	54.6	SO312	.03070	8.7979	0.8	A
9014	28607.93	42 6N	44 43E	74.6	188.8	2.530	5.25	58.9	SO312	.03070	9.7470	0.6	F
9015	28613.33	41 42N	44 53E	77.8	188.7	2.530	14.70	59.3	SO312	.02200	9.3673	0.6	F
9016	28616.13	41 41N	44 53E	77.1	188.7	2.530	15.05	59.3	SO312	.02200	9.5489	0.6	V
9017	28623.73	41 2N	44 24E	74.3	188.7	2.530	4.55	59.7	SO312	.03070	9.7965	0.6	F
9018	28630.33	40 49N	43 50E	74.0	188.6	2.530	-12.95	59.7	SO312	.03070	9.9368	1.0	V
9019	28691.93	36 21N	43 9E	74.9	188.1	2.738	1.75	63.1	SO312	.02200	9.7057	1.4	F
9020	28697.53	36 20N	43 9E	75.0	188.1	2.738	2.45	63.1	SO312	.02200	9.6727	1.2	A
9021	28712.73	34 48N	43 36E	87.7	188.0	2.390	28.70	64.6	SO312	.03070	8.3192	1.2	F
9022	28718.93	34 48N	43 36E	88.3	187.9	2.181	29.40	64.6	SO312	.03070	8.1954	1.2	A
9023	28725.73	34 21N	43 17E	83.3	187.9	2.390	23.10	64.8	SO312	.03070	8.6823	1.0	A
9024	28735.53	33 26N	43 18E	88.0	187.8	2.390	29.75	65.5	SO312	.03070	8.3440	0.4	V
9025	28738.73	33 27N	43 19E	89.6	187.8	2.181	30.45	65.5	SO312	.03070	8.0716	0.6	A
9026	28754.53	32 27N	41 59E	75.4	187.7	2.881	-8.40	65.5	SO312	.02200	9.6232	1.0	A
9027	28911.13	21 33N	39 10E	87.2	187.0	2.881	-30.80	69.7	SO312	.03070	8.4017	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
204 9028	28914.33	21 33S	39 10E	87.7	187.0	2.881	-30.10	69.8	SO312	.03070	8.2779	0.6	A
205 5001	33746.93	53 32N	26 56E	81.7	191.0	2.037	21.35	49.4	SO312	.04000	8.9143	0.6	F
5002	33754.33	53 8N	25 59E	74.9	190.9	2.037	1.40	49.6	SO312	.04000	9.7066	0.6	F
5003	33760.73	52 57N	25 22E	75.4	190.8	2.037	-13.30	49.7	SO312	.04000	9.7397	0.6	V
5004	33766.33	52 50N	24 46E	82.5	190.7	1.826	-26.80	49.6	SO312	.04000	8.8482	0.4	A
5005	33782.73	51 16N	24 43E	76.5	190.4	2.037	-15.05	51.1	SO312	.04000	9.4755	0.6	F
5006	33791.53	50 45N	25 31E	76.5	190.3	2.037	13.30	51.8	SO312	.04000	9.6158	0.4	V
5007	33794.33	50 45N	25 29E	77.2	190.3	2.037	12.60	51.8	SO312	.04000	9.4177	0.4	A
5008	33802.33	50 10N	25 46E	83.9	190.1	1.826	25.20	52.4	SO312	.03080	8.6584	0.4	A
5009	33867.13	45 46N	24 6E	80.2	189.3	2.037	19.95	56.1	SO312	.03080	9.0546	0.6	A
5010	33911.13	42 31N	23 28E	85.4	188.8	2.181	28.35	58.8	SO312	.03080	8.6254	0.6	V
5011	33927.53	41 23N	21 34E	79.0	188.7	2.390	-22.75	59.1	SO312	.03080	9.1701	0.6	F
5012	33930.33	41 23N	21 34E	74.0	188.7	2.390	-22.40	59.1	SO312	.03080	9.4177	0.6	V
5013	33935.53	41 2N	21 20E	80.4	188.6	2.390	-26.60	59.3	SO312	.03080	9.1371	0.6	V
5014	33938.53	41 2N	21 20E	81.2	188.6	2.390	-26.25	59.3	SO312	.03080	8.9803	0.4	A
5015	34656.93	8 44S	13 19E	107.1	186.6	2.390	28.35	58.7	SO312	.02210	6.7765	0.8	V
5016	34660.93	8 44S	13 19E	109.2	186.6	2.390	28.70	58.7	SO312	.02210	6.5371	0.8	A
9001	33653.73	59 56N	29 3E	76.0	193.1	1.690	2.10	43.5	SO312	.04070	9.5489	0.6	F
9002	33659.13	59 56N	29 4E	76.0	193.0	1.690	2.80	43.5	SO312	.04070	9.5489	0.8	A
9003	33662.93	59 30N	28 50E	75.0	192.9	1.690	2.45	43.9	SO312	.04070	9.7965	0.4	V
9004	33665.73	59 30N	28 50E	75.9	192.8	1.690	2.80	43.9	SO312	.04070	9.5654	0.4	A
9005	33714.13	55 56N	26 29E	77.0	191.7	1.826	-14.35	47.0	SO312	.04070	9.4086	0.8	F
9006	33719.53	55 56N	26 30E	76.8	191.6	1.826	-13.65	47.0	SO312	.04070	9.4561	1.0	A
9007	33903.73	42 49N	23 31E	85.3	188.9	2.181	27.30	58.6	SO312	.02200	8.5585	0.4	F
9008	33906.73	42 49N	23 31E	84.6	188.9	2.181	27.65	58.6	SO312	.02200	8.6988	0.4	V
9009	33917.73	41 57N	22 45E	78.0	188.8	2.390	11.90	59.1	SO312	.02200	9.5902	0.6	F
206 5001	39125.53	49 1N	1 56E	74.9	189.9	2.181	-12.60	53.1	SO312	.04000	9.8057	0.6	V
5002	39128.33	49 1N	1 56E	75.7	189.9	2.181	-12.25	53.1	SO312	.04000	9.6076	0.6	A
9001	39288.53	37 39N	0 59W	74.7	188.2	2.738	-6.30	62.1	SO312	.04070	9.7140	1.0	F
9002	39293.93	37 38N	0 59W	74.8	188.2	2.738	-5.60	62.2	SO312	.04070	9.7057	1.0	A
9003	39314.53	35 45N	0 41W	81.3	188.0	2.530	20.30	63.8	SO312	.04070	8.9712	0.8	F
9004	39320.33	35 46N	0 41W	81.7	188.0	2.390	21.00	63.8	SO312	.04070	8.8474	1.0	A
9005	39324.93	35 13N	0 38W	84.3	188.0	2.390	26.25	64.3	SO312	.03070	8.7153	0.6	V
9006	39327.93	35 14N	0 38W	85.5	188.0	2.181	26.60	64.3	SO312	.03070	8.4678	0.6	A
9007	39334.93	34 32N	0 46W	84.4	187.9	2.390	25.90	64.8	SO312	.03070	8.7071	0.6	V
9008	39338.13	34 32N	0 46W	85.9	187.9	2.181	26.60	64.8	SO312	.03070	8.4265	0.6	A
9009	39386.73	30 56N	3 2W	81.7	187.6	2.530	-25.55	66.2	SO312	.03070	8.8556	0.6	F
9010	39389.73	30 56N	3 2W	80.6	187.6	2.738	-25.55	66.2	SO312	.03070	9.1032	0.6	V
208 5001	50584.73	9 20S	54 55W	108.7	186.6	3.092	-32.55	56.9	SO312	.02210	6.7187	0.6	F
5002	50588.53	9 20S	54 55W	105.1	186.6	3.092	-31.85	56.9	SO312	.02210	6.9250	0.6	V
5003	50901.73	30 44S	58 1W	108.6	187.6	2.881	1.05	39.0	SO312	.03080	6.6361	0.6	V
5004	50906.53	31 21S	57 60W	110.7	187.6	2.881	4.55	38.5	SO312	.03080	6.4546	0.6	F
5005	50914.73	31 48S	59 1W	115.1	187.6	2.881	-19.25	37.7	SO312	.03080	6.1904	0.6	F
5006	50923.33	32 29S	58 15W	111.6	187.7	2.738	4.55	37.4	SO312	.03080	6.3968	0.6	F
5007	50939.33	32 59S	58 31W	112.3	187.8	2.738	1.40	36.9	SO312	.03080	6.3225	0.6	A
5008	50950.13	33 56S	59 13W	112.4	187.8	2.881	-11.55	35.8	SO312	.03080	6.4050	0.6	V
5009	50954.33	33 56S	59 11W	113.9	187.9	2.881	-10.50	35.8	SO312	.03080	6.2400	0.6	A
5010	50961.33	34 47S	58 34W	114.5	187.9	2.530	9.80	35.4	SO312	.03080	6.2612	0.6	V
5011	50965.73	34 47S	58 34W	116.4	187.9	2.530	10.15	35.4	SO312	.03080	6.0831	0.6	A
5012	50990.93	36 59S	59 45W	114.9	188.1	2.738	-7.00	33.1	SO312	.03080	6.1987	0.6	F
5013	50994.93	36 58S	59 45W	113.9	188.1	2.738	-6.65	33.1	SO312	.03080	6.3142	0.6	V
5014	50997.93	37 10S	59 49W	114.1	188.2	2.738	-7.35	32.9	SO312	.03080	6.2977	0.6	V
5015	51001.93	37 8S	59 56W	116.4	188.2	2.738	-9.80	32.9	SO312	.03080	6.0996	0.8	A
5016	51010.13	38 6S	59 5W	120.1	188.3	2.181	15.05	32.4	SO312	.03080	5.9841	0.8	V
5017	51016.33	38 12S	59 8W	122.1	188.3	2.181	15.05	32.3	SO312	.03080	5.7942	0.8	A
5018	51021.93	38 34S	59 26W	119.7	188.3	2.390	10.15	31.9	SO312	.03080	5.9015	1.0	A
9001	50928.93	32 19S	58 3W	114.0	187.7	2.530	9.80	37.7	SO312	.03070	6.2064	1.0	A
209 5001	55932.73	12 1S	77 8W	98.4	186.7	3.439	-20.65	55.0	SO312	.03080	7.3873	0.6	V
5002	55936.33	12 0S	77 8W	99.7	186.7	3.439	-20.30	55.0	SO312	.03080	7.2139	0.6	A
9001	55883.53	8 56S	76 5W	92.3	186.6	3.439	-3.85	57.8	SO312	.03070	7.8075	1.0	F
9002	55890.33	8 57S	75 59W	92.9	186.6	3.232	0.70	57.9	SO312	.03070	7.7085	1.0	A
216 5001	5731.93	53 39N	142 56E	75.0	190.9	2.037	1.40	49.4	SO312	.02210	9.7066	0.4	A
5002	5798.53	49 2N	140 16E	81.7	189.9	2.037	-27.65	53.1	SO312	.03080	8.9885	0.6	V
5003	5801.53	49 2N	140 16E	82.5	189.9	2.037	-27.30	53.1	SO312	.03080	8.8400	0.6	A
217 5001	11217.93	41 5N	117 31E	81.7	188.7	2.390	22.40	60.1	SO312	.02210	8.9143	0.6	F
5002	11221.53	40 51N	117 22E	80.3	188.6	2.390	20.30	60.3	SO312	.02210	9.0711	0.4	F
5003	11235.53	40 0N	116 20E	74.5	188.5	2.530	-7.00	60.6	SO312	.03080	9.7479	0.4	F
5004	11239.13	39 56N	116 16E	73.9	188.5	2.530	-8.75	60.6	SO312	.03080	9.9477	0.6	V
5005	11248.33	39 20N	115 52E	76.0	188.4	2.530	-17.15	61.0	SO312	.03080	9.6489	0.6	V
5006	11273.93	37 23N	115 23E	77.4	188.2	2.530	-18.20	62.4	SO312	.03080	9.3682	0.4	F
5007	11277.33	37 21N	115 17E	77.6	188.2	2.530	-20.65	62.4	SO312	.03080	9.4590	0.4	V
5008	11283.33	37 5N	115 39E	74.8	188.1	2.738	-5.60	62.8	SO312	.03080	9.7314	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
217 5009	11288.73	36 46N	115 11E	78.0	188.1	2.738	-19.25	62.8	SO312	.03080	9.3435	0.4	A
5010	11311.53	34 50N	114 24E	85.1	187.9	2.390	-30.80	63.9	SO312	.02210	8.5016	0.6	F
5011	11317.93	34 45N	114 48E	77.2	187.9	2.738	-16.45	64.2	SO312	.03080	9.4343	0.4	A
5012	11325.33	34 13N	114 50E	75.7	187.8	2.738	-10.85	64.6	SO312	.03080	9.6076	0.4	A
5013	11338.93	32 57N	113 51E	88.9	187.8	2.390	-34.65	65.0	SO312	.02210	8.1301	0.6	F
5014	11343.53	32 50N	114 1E	82.9	187.7	2.390	-28.70	65.2	SO312	.02210	8.8482	0.4	V
5015	11579.53	16 28N	111 43E	79.4	186.8	3.092	6.30	71.2	SO312	.04000	9.2197	0.4	V
5016	11582.53	16 28N	111 43E	80.7	186.8	3.092	7.00	71.2	SO312	.04000	8.9638	0.4	A
5017	11910.13	6 9S	106 50E	98.3	186.5	3.232	-26.60	69.4	SO312	.02210	7.3873	0.8	V
5018	11913.93	6 9S	106 49E	99.7	186.5	3.439	-26.60	69.4	SO312	.02210	7.2387	0.6	A
9001	11170.73	44 29N	117 5E	77.9	189.1	2.181	-21.00	56.9	SO312	.03070	9.2931	0.4	F
9002	11179.73	43 45N	117 58E	76.9	189.0	2.390	14.00	57.9	SO312	.03070	9.4581	0.6	F
9003	11183.93	43 38N	118 3E	77.9	189.0	2.390	17.85	58.0	SO312	.03070	9.4334	0.6	V
9004	11211.73	41 35N	117 7E	74.6	188.7	2.530	5.60	59.5	SO312	.03070	9.7470	0.4	F
9005	11230.53	40 19N	116 36E	74.3	188.6	2.530	-0.70	60.4	SO312	.03070	9.7717	0.6	F
9006	11239.13	39 56N	116 16E	73.9	188.5	2.530	-8.75	60.6	SO312	.03070	9.9388	0.6	V
9007	11241.93	39 56N	116 16E	74.8	188.5	2.530	-8.40	60.6	SO312	.03070	9.7140	0.6	A
9008	11247.13	39 25N	115 53E	76.0	188.4	2.530	-17.15	60.9	SO312	.03070	9.6562	0.4	V
9009	11259.13	38 26N	116 56E	84.2	188.3	2.181	26.60	62.2	SO312	.02200	8.7318	1.0	V
9010	11262.33	38 26N	116 56E	85.6	188.3	2.181	26.95	62.2	SO312	.02200	8.4595	0.8	A
9011	11347.93	32 31N	114 1E	81.5	187.7	2.390	-26.60	65.4	SO312	.02200	9.0042	0.8	V
218 9001	16330.13	54 56N	99 4E	74.7	191.3	2.037	-2.45	48.2	SO312	.04070	9.7140	0.4	A
9002	16706.33	29 6N	92 50E	91.3	187.4	2.181	33.25	68.4	SO312	.02200	7.8983	0.6	A
219 5001	21421.33	69 25N	86 11E	77.6	198.6	1.135	-0.70	34.8	SO312	.03080	9.3600	0.4	A
5002	21935.33	34 27N	70 30E	76.3	187.9	2.738	-17.50	64.4	SO312	.02210	9.6489	0.6	V
5003	21938.13	34 27N	70 30E	77.2	187.9	2.738	-17.15	64.4	SO312	.02210	9.4260	0.6	A
9001	21756.73	46 36N	74 28E	75.1	189.5	2.181	10.50	55.6	SO312	.03070	9.7965	0.4	V
9002	21759.53	46 36N	74 28E	76.1	189.4	2.181	10.85	55.6	SO312	.03070	9.5324	0.4	A
9003	21768.33	45 53N	73 31E	74.4	189.3	2.390	-12.60	55.9	SO312	.04070	9.8708	0.6	V
9004	21771.13	45 53N	73 31E	75.2	189.3	2.390	-12.25	55.9	SO312	.04070	9.6562	0.6	A
9005	21930.33	34 36N	70 35E	76.3	187.9	2.738	-15.75	64.3	SO312	.03070	9.4994	0.8	F
9006	21934.93	34 28N	70 30E	76.1	187.9	2.738	-17.50	64.4	SO312	.03070	9.6479	1.0	V
9007	21948.53	33 22N	69 56E	83.0	187.8	2.530	-28.70	64.9	SO312	.02200	8.6988	1.0	F
9008	21954.33	33 23N	69 55E	82.8	187.8	2.738	-28.35	64.9	SO312	.02200	8.7896	1.2	A
9009	21997.93	30 1N	70 36E	82.6	187.5	2.530	22.40	67.7	SO312	.02200	8.8969	0.8	V
9010	22000.93	30 1N	70 36E	83.9	187.5	2.530	22.75	67.7	SO312	.02200	8.6246	0.8	A
220 5001	26985.93	51 39N	54 36E	83.0	190.6	2.037	23.80	51.4	SO312	.03080	8.7822	0.6	F
5002	26991.93	51 39N	54 37E	83.8	190.5	1.826	24.85	51.4	SO312	.03080	8.6831	0.4	A
5003	27159.33	40 22N	49 40E	78.5	188.5	2.530	-20.65	60.2	SO312	.03080	9.2774	0.6	A
5004	27163.73	40 5N	49 25E	81.3	188.5	2.530	-25.90	60.4	SO312	.03080	8.9473	0.4	A
5005	27165.73	39 57N	49 23E	81.3	188.4	2.530	-25.90	60.5	SO312	.03080	8.9473	0.6	A
5006	27170.13	39 26N	49 18E	79.9	188.4	2.530	-25.20	60.8	SO312	.03080	9.1784	0.6	V
5007	27173.13	39 26N	49 16E	81.4	188.4	2.530	-25.90	60.8	SO312	.03080	8.9473	0.6	A
5008	27236.13	34 53N	48 27E	76.0	187.9	2.738	-18.55	64.1	SO312	.03080	9.6654	0.6	V
5009	27238.93	34 53N	48 27E	76.9	187.9	2.738	-18.20	64.1	SO312	.03080	9.4755	0.6	A
5010	27297.53	30 27N	47 42E	76.2	187.6	2.881	-10.85	66.9	SO312	.03080	9.5168	0.6	F
5011	27300.33	30 26N	47 42E	75.4	187.5	2.881	-10.50	67.0	SO312	.03080	9.7314	1.8	V
5012	27304.33	30 21N	47 41E	76.3	187.5	2.881	-10.15	67.0	SO312	.03080	9.5250	0.6	A
9001	26751.13	67 30N	64 21E	89.1	197.3	1.135	29.75	36.8	SO312	.02200	8.2532	1.0	V
9002	26754.33	67 30N	64 22E	90.4	197.2	1.135	30.10	36.8	SO312	.02200	8.0221	1.2	A
9003	26985.93	51 38N	54 36E	83.0	190.6	2.037	23.80	51.4	SO312	.03070	8.7814	1.0	F
9004	26991.93	51 38N	54 37E	83.7	190.5	1.826	24.85	51.4	SO312	.03070	8.6823	1.0	A
9005	27150.13	40 50N	49 21E	85.8	188.6	2.181	-32.90	59.7	SO312	.03070	8.5420	0.6	V
9006	27153.33	40 50N	49 21E	86.7	188.6	2.390	-32.90	59.7	SO312	.03070	8.3935	0.6	A
9007	27180.13	38 46N	48 52E	85.6	188.3	2.181	-32.55	61.2	SO312	.03070	8.5585	0.6	V
9008	27184.13	38 29N	48 53E	83.7	188.3	2.390	-30.45	61.4	SO312	.03070	8.7649	1.2	V
9009	27187.73	38 27N	48 53E	84.5	188.3	2.390	-30.10	61.5	SO312	.03070	8.6163	0.6	A
9010	27197.13	37 18N	49 37E	75.0	188.2	2.738	3.15	62.8	SO312	.03070	9.6892	0.8	F
9011	27202.53	37 18N	49 37E	75.2	188.2	2.530	4.20	62.8	SO312	.03070	9.6479	0.8	A
9012	27213.13	36 19N	50 2E	83.0	188.1	2.390	25.55	63.8	SO312	.03070	8.8474	0.6	V
9013	27216.33	36 18N	50 2E	84.5	188.1	2.181	26.25	63.8	SO312	.03070	8.5668	0.4	A
9014	27230.93	35 13N	48 42E	75.0	188.0	2.738	-12.25	64.0	SO312	.02200	9.7882	0.6	V
9015	27252.93	33 31N	48 18E	75.7	187.8	2.738	-13.65	65.1	SO312	.03070	9.5737	1.6	F
9016	27258.33	33 31N	48 18E	75.6	187.8	2.738	-12.95	65.1	SO312	.03070	9.5984	1.8	A
9017	27273.13	32 28N	48 24E	75.3	187.7	2.738	0.35	65.9	SO312	.02200	9.6232	0.8	A
9018	27283.33	31 17N	48 49E	84.3	187.6	2.530	23.80	67.0	SO312	.03070	8.6576	0.6	F
9019	27286.33	31 17N	48 49E	83.6	187.6	2.530	24.15	67.1	SO312	.03070	8.7896	0.6	V
9020	27514.73	15 31N	44 14E	90.1	186.8	2.881	-31.85	70.2	SO312	.01650	7.9973	1.0	F
9021	27517.93	15 31N	44 14E	88.9	186.7	2.881	-31.50	70.2	SO312	.01650	8.2284	1.0	V
9022	27551.73	12 50N	44 59E	85.7	186.7	3.092	16.10	70.9	SO312	.03070	8.4760	1.2	F
9023	27589.13	10 25N	44 59E	97.7	186.6	2.390	31.15	70.6	SO312	.01650	7.4856	0.6	V
9024	27592.73	10 25N	44 59E	99.4	186.6	2.390	31.50	70.6	SO312	.01650	7.2215	0.6	A
9025	27603.13	9 32N	44 7E	81.6	186.6	3.232	5.25	69.6	SO312	.01650	8.9629	0.8	V
9026	27606.13	9 33N	44 5E	82.8	186.6	3.232	5.60	69.6	SO312	.01650	8.7071	0.8	A
9027	27619.13	8 16N	43 34E	82.6	186.6	3.439	-8.40	68.8	SO312	.01650	8.7566	1.2	F
9028	27625.13	8 16N	43 34E	82.7	186.6	3.439	-7.35	68.8	SO312	.01650	8.7236	1.2	A
221 5001	32051.33	68 5N	39 31E	81.0	197.6	0.995	-18.90	36.1	SO312	.04000	8.9225	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
221 5002	32054.13	68 5N	39 31E	80.1	197.5	0.995	-18.90	36.1	SO312	.04000	9.1536	0.4	V
5003	32211.53	57 5N	35 1E	86.4	192.1	1.690	27.65	46.6	SO312	.04000	8.4355	1.0	F
5004	32285.13	52 19N	31 10E	77.6	190.7	1.826	-18.20	50.5	SO312	.04000	9.3270	0.6	F
5005	32338.33	48 35N	30 57E	76.5	189.9	2.181	11.90	53.9	SO312	.04000	9.5168	0.6	F
5006	32345.13	48 10N	30 23E	74.2	189.8	2.181	-0.70	54.2	SO312	.04000	9.7974	0.4	F
5007	32350.53	48 10N	30 23E	74.4	189.7	2.181	-0.35	54.2	SO312	.04000	9.7809	0.4	A
5008	32422.33	43 11N	27 53E	84.5	188.9	2.037	-31.50	57.9	SO312	.03080	8.6831	0.4	V
5009	32425.33	43 11N	27 53E	85.6	188.9	2.037	-31.50	57.9	SO312	.03080	8.5098	0.4	A
5010	32489.93	38 29N	27 14E	75.9	188.3	2.530	-16.45	61.7	SO312	.03080	9.6736	0.4	V
5011	32492.73	38 29N	27 14E	76.8	188.3	2.530	-16.10	61.7	SO312	.03080	9.4838	0.4	A
5012	33231.53	12 24S	16 59E	109.3	186.7	3.092	-33.60	54.3	SO312	.02210	6.6444	0.6	V
5013	33235.73	12 24S	16 58E	110.6	186.7	3.092	-33.25	54.3	SO312	.02210	6.5206	0.6	A
9001	32050.93	68 6N	39 32E	81.1	197.7	0.995	-18.90	36.1	SO312	.04070	8.9217	1.0	F
9002	32056.73	68 6N	39 32E	80.9	197.4	0.995	-18.55	36.1	SO312	.04070	8.9794	1.0	A
9003	32098.53	64 41N	39 14E	82.9	195.5	1.484	21.00	39.5	SO312	.04070	8.7731	1.0	F
9004	32104.33	64 42N	39 13E	82.9	195.3	1.338	21.35	39.5	SO312	.04070	8.7401	1.2	A
9005	32284.93	52 20N	31 10E	77.7	190.7	1.826	-18.20	50.5	SO312	.04070	9.3261	0.8	F
9006	32290.33	52 20N	31 11E	77.4	190.6	2.037	-17.50	50.5	SO312	.04070	9.4603	1.0	A
9007	32295.93	51 32N	31 20E	74.6	190.5	2.037	-5.95	51.3	SO312	.04070	9.7305	0.8	F
9008	32301.13	51 33N	31 21E	74.6	190.4	2.037	-5.25	51.3	SO312	.04070	9.7387	1.0	A
9009	32310.33	50 38N	30 12E	82.8	190.3	1.826	-27.65	51.8	SO312	.03070	8.7318	0.8	F
9010	32316.13	50 38N	30 12E	82.4	190.2	2.037	-27.30	51.8	SO312	.03070	8.8309	1.0	A
9011	32412.13	43 49N	28 33E	76.4	189.0	2.390	-18.20	57.6	SO312	.04070	9.6232	0.4	V
9012	32414.93	43 49N	28 33E	77.1	189.0	2.390	-17.85	57.6	SO312	.04070	9.4251	0.4	A
9013	32447.93	41 3N	28 54E	79.1	188.7	2.390	17.50	60.2	SO312	.03070	9.2023	0.6	F
9014	32450.73	41 3N	28 54E	78.4	188.6	2.390	17.85	60.2	SO312	.03070	9.3756	0.6	V
9015	32589.73	31 24N	25 57E	75.4	187.6	2.881	-5.25	66.5	SO312	.03070	9.6232	1.0	F
9016	32595.13	31 24N	25 57E	75.5	187.6	2.881	-4.55	66.5	SO312	.03070	9.6067	1.0	A
9017	32600.33	31 3N	25 53E	75.4	187.6	2.881	-4.20	66.7	SO312	.02200	9.6149	0.8	A
9018	32621.33	29 13N	25 32E	75.8	187.5	2.881	-3.50	67.7	SO312	.03070	9.5819	1.0	F
9019	32626.73	29 13N	25 32E	75.9	187.4	2.881	-2.45	67.8	SO312	.03070	9.5489	1.0	A
9020	32728.73	21 56N	24 48E	86.5	187.0	2.530	25.20	71.1	SO312	.03070	8.4843	0.6	V
9021	32731.93	21 56N	24 48E	88.0	187.0	2.530	25.55	71.1	SO312	.03070	8.2037	0.6	A
9022	33261.73	14 36S	17 44E	96.0	186.7	3.092	3.50	53.2	SO312	.03070	7.5517	1.4	V
9023	33311.13	17 50S	15 57E	113.1	186.8	3.092	-32.55	49.7	SO312	.02200	6.4045	1.4	V
9024	33315.33	17 50S	15 57E	111.4	186.9	3.092	-32.20	49.7	SO312	.02200	6.2725	1.4	A
222 5001	37817.13	36 47N	5 6E	74.6	188.1	2.738	-3.85	63.1	SO312	.03080	9.7397	0.8	F
5002	37822.53	36 47N	5 6E	74.8	188.1	2.738	-2.80	63.1	SO312	.03080	9.7231	0.8	A
5003	37827.53	36 6N	4 46E	74.6	188.1	2.738	-9.80	63.5	SO312	.03080	9.7397	0.6	F
5004	37832.93	36 5N	4 46E	74.7	188.0	2.738	-9.10	63.5	SO312	.03080	9.7479	0.6	A
5005	37843.13	35 15N	4 11E	78.8	188.0	2.530	-23.10	63.8	SO312	.03080	9.3352	0.8	V
5006	37846.13	35 14N	4 11E	79.5	187.9	2.738	-22.75	63.9	SO312	.03080	9.1619	0.6	A
9001	37562.73	54 1N	11 26E	84.7	191.2	1.826	25.90	49.3	SO312	.03070	8.6081	0.4	F
9002	37568.73	54 1N	11 26E	85.2	191.1	1.690	26.60	49.3	SO312	.03070	8.5090	0.6	A
9003	37728.93	43 6N	5 58E	80.6	188.9	2.181	-26.25	58.1	SO312	.02200	9.1032	0.6	V
9004	37731.93	43 6N	5 57E	81.4	188.9	2.390	-26.25	58.1	SO312	.02200	8.9382	0.6	A
9005	37817.13	36 47N	5 6E	74.7	188.1	2.738	-3.85	63.1	SO312	.04070	9.7367	0.8	F
9006	37822.33	36 48N	5 6E	74.7	188.1	2.738	-2.80	63.1	SO312	.04070	9.7222	1.0	A
224 5001	49188.33	15 45S	47 56W	114.0	186.7	2.390	29.05	52.6	SO312	.02210	6.3225	0.6	F
5002	49193.13	15 48S	47 53W	115.6	186.8	2.181	31.15	52.6	SO312	.02210	6.2730	0.4	V
5003	49197.33	15 47S	47 53W	117.4	186.8	2.181	31.15	52.6	SO312	.02210	6.0666	0.6	A
9001	49197.53	15 49S	47 54W	117.3	186.8	2.181	31.15	52.6	SO312	.02200	6.0661	1.4	A
225 5001	54492.33	15 28S	70 7W	108.0	186.7	2.530	26.25	52.8	SO312	.02210	6.7187	0.6	V
5002	54497.13	15 49S	69 60W	113.7	186.8	2.181	31.15	52.6	SO312	.02210	6.3803	1.2	V
9001	54487.53	15 25S	70 9W	107.4	186.7	2.530	24.85	52.8	SO312	.02200	6.7099	1.4	F
9002	54514.33	17 10S	70 53W	100.9	186.8	2.881	11.55	51.0	SO312	.03070	7.1308	0.6	F
9003	54517.93	17 10S	70 53W	100.2	186.8	2.881	11.90	51.0	SO312	.03070	7.2381	0.6	V
9004	54521.73	17 42S	70 51W	104.0	186.8	2.881	15.40	50.7	SO312	.03070	6.9162	0.4	F
9005	54524.53	17 38S	70 50W	103.2	186.8	2.881	15.75	50.7	SO312	.03070	7.0152	1.4	V
9006	54532.73	17 57S	70 15W	122.8	186.8	1.826	33.95	50.8	SO312	.01650	5.7773	1.0	A
9007	54537.93	18 18S	70 20W	122.2	186.9	2.037	32.90	50.5	SO312	.01650	5.7938	1.2	A
226 5001	59075.93	34 6N	84 22W	77.4	187.8	2.738	-19.95	64.7	SO312	.02210	9.4838	8.0	V
9001	59075.93	34 6N	84 22W	77.4	187.8	2.738	-19.95	64.7	SO312	.02200	9.4829	7.8	V
9002	59266.73	20 57N	86 51W	77.9	187.0	3.092	-12.25	70.5	SO312	.03070	9.4086	0.6	V
9003	59269.73	20 56N	86 51W	78.9	187.0	3.092	-11.90	70.6	SO312	.03070	9.1940	0.6	A
9004	59374.53	13 31N	88 11W	80.3	186.7	3.232	-10.85	70.4	SO312	.03070	9.1197	0.6	V
9005	59377.53	13 31N	88 11W	81.3	186.7	3.232	-10.50	70.4	SO312	.03070	8.8969	0.6	A
227 9001	64497.53	25 34N	107 6W	84.5	187.2	2.738	23.45	70.0	SO312	.03070	8.6163	0.8	F
9002	64500.53	25 34N	107 7W	83.8	187.2	2.530	23.80	70.0	SO312	.03070	8.7731	0.8	V
9003	64506.93	25 9N	107 19W	81.7	187.2	2.738	19.60	70.1	SO312	.03070	8.9817	0.8	V
9004	64509.93	25 9N	107 19W	82.8	187.2	2.530	19.95	70.1	SO312	.03070	8.7318	0.8	A
228 9001	70490.73	21 45S	138 50W	104.1	187.0	3.232	-14.70	46.5	SO312	.03070	6.8749	1.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
228 9002	70494.53	21 46S	138 51W	103.1	187.0	3.232	-14.35	46.5	SO312	.03070	7.0235	2.0	V
9003	70499.73	21 51S	138 51W	104.4	187.0	3.232	-13.65	46.5	SO312	.03070	6.8419	0.6	A
231 9001	85150.73	64 45N	177 46E	78.4	195.4	1.338	12.95	39.6	SO312	.03070	9.3591	0.6	V
9002	85153.73	64 45N	177 45E	79.3	195.3	1.338	12.95	39.6	SO312	.03070	9.1445	0.6	A
233 9001	9685.33	43 11N	124 21E	81.2	189.0	2.390	21.35	58.6	SO312	.02200	8.9629	0.6	F
9002	9688.13	43 11N	124 19E	79.9	188.9	2.181	21.00	58.7	SO312	.02200	9.2023	0.8	V
9003	9691.13	43 11N	124 18E	80.9	188.9	2.181	21.00	58.7	SO312	.02200	8.9547	0.8	A
9004	9697.53	42 33N	124 3E	78.5	188.8	2.390	18.20	59.2	SO312	.03070	9.3591	0.6	V
9005	9704.73	41 56N	123 27E	74.8	188.8	2.530	4.20	59.6	SO312	.03070	9.7222	2.0	F
9006	9710.33	41 55N	123 27E	75.0	188.7	2.530	4.90	59.6	SO312	.03070	9.6809	1.0	A
9007	9711.93	41 48N	123 25E	75.0	188.7	2.530	4.90	59.7	SO312	.03070	9.6727	0.8	A
9008	9716.13	41 20N	123 18E	74.1	188.7	2.530	4.90	60.0	SO312	.03070	9.9204	1.0	V
9009	9722.13	41 7N	123 2E	74.3	188.6	2.530	-2.10	60.1	SO312	.03070	9.7635	0.4	A
9010	9726.13	40 50N	123 7E	74.5	188.6	2.530	3.50	60.4	SO312	.03070	9.7387	0.4	A
9011	9738.53	39 42N	121 47E	85.2	188.5	2.181	-31.15	60.8	SO312	.02200	8.4760	0.8	F
9012	9741.53	39 42N	121 47E	84.0	188.4	2.181	-30.80	60.8	SO312	.02200	8.7236	0.8	V
9013	9746.93	39 7N	121 48E	81.8	188.4	2.390	-27.30	61.3	SO312	.03070	8.8474	0.6	F
9014	9749.93	39 7N	121 47E	81.0	188.4	2.390	-26.95	61.3	SO312	.03070	9.0702	0.6	V
9015	9753.53	39 5N	121 42E	83.3	188.3	2.390	-28.70	61.3	SO312	.02200	8.7401	0.8	A
9016	9775.53	37 34N	121 24E	82.3	188.2	2.530	-27.30	62.4	SO312	.03070	8.8309	0.6	A
9017	9780.13	37 17N	121 8E	86.9	188.1	2.530	-33.25	62.5	SO312	.02200	8.3605	1.0	A
9018	10220.33	6 23N	116 28E	88.4	186.6	3.092	15.75	68.4	SO312	.03070	8.2037	0.6	F
9019	10223.53	6 23N	116 28E	88.0	186.5	2.881	16.80	68.5	SO312	.03070	8.3027	0.8	V
9020	10364.93	3 19S	114 35E	90.1	186.5	3.092	8.40	62.1	SO312	.03070	8.0799	0.6	V
9021	10368.33	3 19S	114 35E	91.6	186.5	3.092	9.10	62.1	SO312	.03070	7.8158	0.4	A
234 9001	14652.93	66 29N	112 25E	76.9	196.5	1.338	7.35	38.0	SO312	.03070	9.5406	0.4	V
9002	14655.73	66 29N	112 24E	77.8	196.3	1.338	7.35	38.0	SO312	.03070	9.3178	0.6	A
9003	14788.13	57 17N	106 33E	74.8	192.1	1.826	1.75	46.5	SO312	.03070	9.7057	0.8	F
9004	14793.53	57 17N	106 33E	74.8	192.0	1.826	2.45	46.5	SO312	.03070	9.6974	0.8	A
9005	14801.53	56 49N	105 40E	76.7	191.8	1.826	-14.35	46.8	SO312	.02200	9.4829	1.0	A
9006	14843.73	53 48N	104 7E	78.7	191.0	1.826	-22.75	49.4	SO312	.04070	9.3178	0.4	V
9007	14846.73	53 47N	104 7E	79.4	190.9	1.826	-22.40	49.4	SO312	.04070	9.1445	0.4	A
9008	14853.73	52 56N	103 36E	83.0	190.8	1.690	-27.65	50.1	SO312	.02200	8.7153	0.6	F
9009	14856.73	52 56N	103 36E	81.8	190.8	1.690	-27.30	50.1	SO312	.02200	8.9712	0.6	V
9010	14863.33	52 24N	104 12E	73.9	190.7	2.037	-7.35	50.8	SO312	.04070	9.9368	0.8	V
9011	14866.33	52 23N	104 12E	74.7	190.6	2.037	-7.00	50.8	SO312	.04070	9.7222	0.6	A
9012	14915.33	48 36N	103 29E	75.9	189.9	2.181	9.45	54.2	SO312	.03070	9.5819	0.8	F
9013	14920.93	48 36N	103 25E	75.1	189.8	2.181	8.40	54.2	SO312	.03070	9.6644	0.6	A
9014	15021.33	41 28N	100 14E	81.7	188.7	2.181	-27.65	59.5	SO312	.03070	8.8474	0.4	F
9015	15024.13	41 28N	100 14E	80.6	188.7	2.181	-27.30	59.5	SO312	.03070	9.1032	0.4	V
9016	15027.33	41 3N	100 11E	80.9	188.6	2.181	-26.25	59.9	SO312	.03070	8.9299	0.6	F
9017	15029.13	40 56N	100 9E	80.9	188.6	2.181	-26.25	60.0	SO312	.03070	8.9382	0.4	F
9018	15031.93	40 56N	100 9E	79.8	188.6	2.390	-26.25	60.0	SO312	.03070	9.2023	0.4	V
9019	15039.53	40 26N	99 48E	84.5	188.5	2.181	-32.20	60.3	SO312	.02200	8.6741	1.0	V
9020	15042.73	40 26N	99 48E	85.3	188.5	2.390	-32.20	60.3	SO312	.02200	8.5338	0.8	A
9021	15057.93	38 47N	101 7E	82.1	188.4	2.390	23.80	62.2	SO312	.03070	8.8804	0.6	F
9022	15060.93	38 46N	101 6E	81.2	188.4	2.390	23.80	62.2	SO312	.03070	9.0537	0.4	V
9023	15068.73	38 9N	100 11E	72.8	188.3	2.738	-2.80	62.3	SO312	.03070	9.9780	0.4	F
9024	15073.93	38 9N	100 10E	72.9	188.2	2.738	-2.10	62.3	SO312	.03070	9.9615	0.6	A
9025	15083.33	36 60N	100 54E	87.5	188.2	2.390	30.80	63.6	SO312	.02200	8.3357	0.8	F
9026	15093.13	36 22N	100 29E	81.3	188.1	2.390	23.45	64.0	SO312	.02200	8.9629	1.0	F
9027	15098.93	36 22N	100 29E	82.0	188.1	2.181	24.50	64.0	SO312	.02200	8.8391	1.0	A
9028	15293.53	23 2N	97 11E	78.2	187.1	2.881	8.75	70.6	SO312	.03070	9.2353	0.8	A
9029	15298.93	22 39N	97 18E	81.8	187.0	2.738	16.80	70.9	SO312	.03070	8.8226	0.8	A
9030	15377.33	16 51N	96 7E	82.0	186.8	3.092	12.25	71.4	SO312	.04070	8.8556	0.6	F
9031	15383.33	16 50N	96 8E	82.8	186.8	2.881	13.65	71.5	SO312	.03070	8.7153	0.4	A
235 9001	20106.93	56 39N	84 53E	79.7	191.9	1.826	19.25	47.2	SO312	.02200	9.2270	0.8	V
9002	20109.93	56 38N	84 53E	80.8	191.8	1.826	19.60	47.2	SO312	.02200	8.9712	0.8	A
9003	20124.93	55 24N	82 56E	77.1	191.5	1.826	-15.40	48.1	SO312	.03070	9.4003	0.6	F
9004	20128.93	55 18N	83 2E	75.1	191.4	1.826	-11.55	48.2	SO312	.02200	9.7717	0.6	V
9005	20134.13	54 60N	82 27E	79.4	191.3	1.690	-22.75	48.4	SO312	.02200	9.2435	0.4	V
9006	20137.13	54 59N	82 27E	80.1	191.3	1.690	-22.40	48.4	SO312	.02200	9.0702	0.4	A
9007	20148.53	53 47N	83 58E	84.2	191.1	1.826	26.60	49.8	SO312	.03070	8.7318	0.4	V
9008	20151.93	53 34N	83 49E	83.3	191.0	1.826	25.55	50.0	SO312	.03070	8.8226	0.4	V
9009	20154.93	53 34N	83 49E	84.6	190.9	1.826	25.90	50.0	SO312	.03070	8.5668	0.4	A
9010	20160.13	52 52N	83 7E	78.2	190.9	2.037	15.40	50.5	SO312	.03070	9.2848	0.6	F
9011	20165.13	52 34N	82 43E	75.7	190.8	2.037	8.05	50.7	SO312	.04070	9.5902	0.4	F
9012	20166.33	52 29N	82 41E	75.7	190.7	2.037	8.05	50.8	SO312	.04070	9.5902	0.6	F
9013	20170.53	52 34N	82 43E	75.9	190.7	2.037	8.75	50.7	SO312	.04070	9.5489	0.4	A
9014	20171.73	52 30N	82 42E	75.9	190.7	2.037	8.75	50.8	SO312	.04070	9.5489	0.6	A
9015	20182.33	51 43N	81 13E	79.5	190.5	1.826	-23.80	51.2	SO312	.04070	9.2270	0.6	V
9016	20185.33	51 42N	81 13E	80.3	190.4	2.037	-23.80	51.2	SO312	.03070	9.0537	0.6	A
9017	20206.73	49 48N	81 13E	74.5	190.1	2.181	-6.65	53.0	SO312	.04070	9.7387	0.4	F
9018	20209.33	49 37N	81 9E	74.5	190.1	2.181	-7.00	53.2	SO312	.04070	9.7387	0.4	F
9019	20212.13	49 37N	81 9E	73.6	190.0	2.181	-6.65	53.2	SO312	.04070	9.9780	0.4	V
9020	20217.73	49 13N	81 9E	73.3	190.0	2.181	-2.80	53.6	SO312	.04070	10.0193	0.4	V
9021	20220.33	49 13N	81 9E	74.2	189.9	2.181	-2.45	53.6	SO312	.04070	9.7882	0.6	A
9022	20222.93	49 3N	81 5E	74.1	189.9	2.181	-2.80	53.7	SO312	.04070	9.7965	0.4	A
9023	20225.93	48 50N	81 3E	74.0	189.8	2.181	-1.75	53.9	SO312	.04070	9.8130	0.6	A
9024	20475.13	31 24N	76 22E	75.5	187.6	2.881	-8.40	66.7	SO312	.02200	9.5984	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
235 9025	20480.53	31 24N	76 22E	75.6	187.6	2.881	-7.70	66.7	SO312	.02200	9.5984	0.8	A
9026	20549.33	26 20N	74 46E	84.9	187.3	2.738	-28.70	68.8	SO312	.03070	8.5090	0.8	F
9027	20552.33	26 20N	74 46E	83.7	187.3	2.738	-28.35	68.8	SO312	.03070	8.7566	0.8	V
9028	20566.33	25 13N	75 53E	83.8	187.2	2.530	22.75	70.2	SO312	.03070	8.7566	0.6	V
9029	20569.33	25 13N	75 53E	85.1	187.2	2.530	23.10	70.3	SO312	.03070	8.4843	0.6	A
9030	20638.93	20 8N	73 56E	79.6	186.9	3.092	-15.40	70.7	SO312	.03070	9.0950	0.6	F
9031	20641.73	20 8N	73 56E	78.6	186.9	3.092	-15.05	70.7	SO312	.03070	9.3178	0.6	V
9032	20659.93	18 40N	73 52E	78.4	186.9	3.232	-7.35	71.0	SO312	.03070	9.2435	0.6	F
9033	20662.73	18 39N	73 52E	77.5	186.9	3.232	-7.00	71.0	SO312	.03070	9.4499	0.6	V
9034	20663.93	18 34N	73 51E	77.6	186.9	3.232	-7.00	71.0	SO312	.03070	9.4416	0.4	V
9035	20666.73	18 35N	73 51E	78.6	186.9	3.232	-6.65	71.0	SO312	.03070	9.2023	0.6	A
236 9001	25389.93	58 3N	63 44E	84.2	192.4	1.826	24.50	46.0	SO312	.04070	8.6576	0.6	F
9002	25398.93	57 33N	62 45E	76.5	192.2	1.826	8.75	46.3	SO312	.03070	9.4994	0.4	F
9003	25405.33	57 23N	61 51E	75.2	192.1	1.826	-10.85	46.3	SO312	.03070	9.7400	0.4	V
9004	25410.73	56 52N	61 20E	78.0	192.0	1.690	-17.50	46.8	SO312	.04070	9.2848	0.4	F
9005	25414.53	56 36N	61 20E	77.1	191.9	1.690	-15.05	47.0	SO312	.03070	9.4003	0.4	F
9006	25418.73	56 20N	60 58E	79.4	191.8	1.690	-20.65	47.2	SO312	.03070	9.1115	0.4	F
9007	25422.53	56 5N	60 44E	80.9	191.7	1.690	-23.80	47.4	SO312	.04070	8.9382	0.8	F
9008	25428.13	56 6N	60 45E	80.4	191.6	1.826	-23.10	47.4	SO312	.04070	9.0290	1.0	A
9009	25436.93	55 11N	61 29E	74.3	191.4	2.037	3.85	48.4	SO312	.04070	9.8873	0.6	V
9010	25439.73	55 11N	61 29E	75.2	191.4	2.037	4.20	48.4	SO312	.04070	9.6479	0.6	A
9011	25444.33	54 51N	61 35E	76.5	191.3	2.037	10.15	48.8	SO312	.03070	9.4829	0.4	A
9012	25448.53	54 9N	61 33E	78.7	191.2	2.037	16.10	49.4	SO312	.03070	9.2435	1.0	F
9013	25454.33	54 8N	61 33E	78.9	191.1	1.826	16.80	49.4	SO312	.03070	9.1940	0.8	A
9014	25487.93	51 33N	59 59E	74.5	190.5	2.181	1.05	51.6	SO312	.04070	9.7470	0.6	E
9015	25494.33	51 8N	59 38E	74.4	190.4	2.181	-4.55	51.9	SO312	.04070	9.7479	0.4	F
9016	25496.93	51 8N	59 39E	73.5	190.4	2.181	-4.20	51.9	SO312	.04070	9.9946	1.2	V
9017	25500.53	51 5N	59 37E	74.4	190.3	2.181	-3.85	52.0	SO312	.04070	9.7635	0.4	A
9018	25504.73	50 47N	59 37E	74.4	190.3	2.181	-1.05	52.2	SO312	.04070	9.7635	0.6	A
9019	25533.33	48 44N	58 6E	80.8	189.8	2.037	-25.20	53.8	SO312	.03070	9.1858	0.6	V
9020	25536.13	48 45N	58 6E	80.7	189.8	2.037	-24.85	53.8	SO312	.03070	9.0124	0.6	A
9021	25541.53	47 57N	58 17E	75.7	189.7	2.181	-13.65	54.5	SO312	.04070	9.5737	0.6	F
9022	25546.93	47 57N	58 17E	75.5	189.7	2.181	-12.95	54.6	SO312	.04070	9.6149	0.6	A
9023	25670.93	39 1N	56 22E	75.0	188.4	2.530	4.55	61.8	SO312	.02200	9.6974	1.0	F
9024	25676.33	39 1N	56 22E	75.3	188.4	2.530	5.60	61.8	SO312	.02200	9.8314	0.8	A
9025	25682.53	38 34N	56 35E	78.4	188.3	2.390	17.15	62.3	SO312	.03070	9.2353	0.4	A
9026	25705.13	36 44N	55 18E	75.3	188.1	2.738	-14.00	63.2	SO312	.03070	9.8314	0.4	F
9027	25707.73	36 44N	55 18E	74.4	188.1	2.738	-13.65	63.2	SO312	.03070	9.8790	0.6	V
9028	25872.93	25 10N	52 53E	77.6	187.2	3.092	-11.90	69.6	SO312	.04070	9.3426	0.8	F
9029	25878.53	25 10N	52 54E	77.5	187.2	3.092	-10.85	69.6	SO312	.04070	9.3508	0.8	A
9030	25888.13	24 20N	52 36E	78.2	187.1	3.092	-16.45	69.8	SO312	.03070	9.3756	1.4	V
237 9001	30463.33	73 25N	54 55E	82.6	203.8	0.995	16.80	31.2	SO312	.04070	8.7731	0.8	F
9002	30466.33	73 25N	54 54E	81.6	203.5	0.995	16.80	31.2	SO312	.04070	8.9877	1.4	V
9003	30469.93	73 23N	54 50E	82.6	203.2	0.787	17.15	31.3	SO312	.04070	8.7814	0.8	A
9004	30490.93	71 38N	52 32E	84.0	201.4	1.135	20.30	33.0	SO312	.04070	8.6411	0.6	F
9005	30493.93	71 38N	52 29E	82.6	201.2	1.135	19.95	33.0	SO312	.04070	8.8721	0.6	V
9006	30495.13	71 34N	52 23E	82.8	201.1	1.135	19.95	33.1	SO312	.04070	8.8639	0.6	V
9007	30498.13	71 34N	52 22E	83.8	200.9	1.135	19.95	33.1	SO312	.04070	8.6576	0.6	A
9008	30531.13	69 29N	49 24E	80.6	198.7	1.135	14.70	35.1	SO312	.03070	9.0042	0.4	A
9009	30628.13	62 55N	41 47E	83.6	194.4	1.135	-25.55	41.2	SO312	.04070	8.6493	1.0	F
9010	30634.13	62 55N	41 46E	83.4	194.2	1.338	-25.55	41.2	SO312	.04070	8.7153	1.0	A
9011	30693.13	58 17N	41 40E	83.1	192.5	1.690	23.10	45.7	SO312	.04070	8.7566	0.4	F
9012	30695.93	58 18N	41 40E	82.1	192.5	1.690	23.10	45.7	SO312	.04070	8.9547	0.4	V
9013	30698.73	58 7N	41 33E	81.8	192.4	1.690	22.75	45.9	SO312	.04070	8.9794	0.4	V
9014	30701.73	58 7N	41 32E	82.8	192.3	1.690	22.75	45.9	SO312	.04070	8.7566	0.4	A
9015	30705.33	57 53N	41 17E	81.0	192.2	1.690	19.95	46.1	SO312	.04070	8.9547	0.8	A
9016	30709.53	57 36N	41 10E	81.4	192.1	1.690	20.65	46.4	SO312	.04070	8.9052	0.4	A
9017	30715.73	57 0N	40 41E	77.9	192.0	1.826	15.75	46.9	SO312	.04070	9.4416	0.6	V
9018	30718.73	56 60N	40 41E	78.9	191.9	1.826	16.10	46.9	SO312	.04070	9.1940	0.4	A
9019	30732.13	55 56N	37 33E	99.1	191.6	1.135	-41.65	47.4	SO312	.02200	7.3123	5.2	F
9020	30740.73	55 49N	37 40E	94.8	191.5	1.338	-38.85	47.5	SO312	.02200	7.8672	3.8	A
9021	30759.13	54 16N	37 37E	84.1	191.1	1.690	-30.10	49.0	SO312	.03070	8.7318	1.0	V
9022	30762.33	54 16N	37 37E	84.8	191.1	1.690	-29.75	49.0	SO312	.03070	8.5750	0.8	A
9023	30787.53	52 5N	37 34E	75.7	190.6	2.037	-12.60	51.0	SO312	.04070	9.5737	0.4	F
9024	30792.93	52 5N	37 35E	75.6	190.5	2.037	-11.90	51.1	SO312	.04070	9.6149	0.4	A
9025	30823.33	49 43N	37 43E	77.1	190.1	2.037	15.40	53.3	SO312	.04070	9.5324	0.6	V
9026	30826.33	49 42N	37 43E	78.2	190.0	2.037	15.75	53.3	SO312	.03070	9.2683	0.6	A
9027	30844.13	48 26N	36 0E	78.4	189.8	2.037	-22.40	54.1	SO312	.03070	9.3673	0.4	V
9028	30846.93	48 27N	36 0E	79.1	189.8	2.037	-22.05	54.1	SO312	.03070	9.1858	0.6	A
9029	30892.33	45 2N	35 58E	74.5	189.2	2.390	7.35	57.2	SO312	.04070	9.8625	0.4	V
9030	30894.93	45 3N	35 58E	75.5	189.2	2.390	7.70	57.2	SO312	.03070	9.6067	0.6	A
9031	31036.13	35 11N	33 23E	74.9	188.0	2.738	6.65	64.6	SO312	.03070	9.8047	0.4	V
9032	31038.73	35 11N	33 23E	75.9	187.9	2.738	7.00	64.6	SO312	.03070	9.5406	0.6	A
9033	31093.13	31 17N	32 19E	74.6	187.6	2.881	-0.70	66.9	SO312	.04070	9.8460	0.6	V
9034	31095.93	31 17N	32 18E	75.5	187.6	2.881	-0.35	66.9	SO312	.04070	9.5984	0.6	A
9035	31109.13	30 4N	31 15E	85.4	187.5	2.530	-30.10	67.1	SO312	.03070	8.4512	0.6	F
9036	31112.13	30 4N	31 15E	84.2	187.5	2.530	-29.75	67.1	SO312	.03070	8.6988	0.6	V
9037	31115.73	29 49N	31 12E	84.1	187.5	2.738	-29.75	67.2	SO312	.03070	8.7236	0.8	V
9038	31118.73	29 49N	31 12E	84.9	187.5	2.738	-29.40	67.2	SO312	.03070	8.5585	0.8	A
9039	31122.73	29 20N	31 2E	86.1	187.5	2.530	-31.85	67.4	SO312	.03070	8.5008	0.8	V
9040	31125.93	29 20N	31 1E	87.0	187.4	2.738	-31.85	67.4	SO312	.03070	8.3522	0.8	A
9041	31140.33	28 8N	30 45E	87.3	187.4	2.530	-32.90	67.9	SO312	.01650	8.3852	0.8	V
9042	31143.53	28 8N	30 44E	88.3	187.4	2.738	-32.90	67.9	SO312	.01650	8.2367	0.8	A
9043	31152.93	27 12N	31 6E	76.9	187.3	2.881	-14.35	68.7	SO312	.03070	9.5406	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
237 9044	31155.73	27 12N	31 7E	77.7	187.3	3.092	-14.00	68.8	SO312	.03070	9.3426	0.6	A
9045	31674.73	8 43S	25 2E	91.7	186.6	3.232	2.10	57.8	SO312	.03070	7.9313	0.6	V
9046	31678.13	8 43S	25 2E	93.1	186.6	3.232	2.80	57.8	SO312	.03070	7.6837	0.6	A
9047	31812.93	18 1S	22 12E	113.2	186.8	3.092	-32.55	49.3	SO312	.02200	6.3962	0.6	V
9048	31817.13	18 1S	22 12E	114.5	186.9	3.092	-32.20	49.3	SO312	.02200	6.2642	0.6	A
9049	31951.13	27 48S	21 39E	108.5	187.3	2.881	7.00	41.3	SO312	.03070	6.5943	0.6	F
9050	31954.93	27 48S	21 38E	107.5	187.4	2.881	7.00	41.3	SO312	.03070	6.7099	1.0	V
9051	31959.33	27 49S	21 37E	109.3	187.4	2.881	7.35	41.3	SO312	.03070	6.4870	0.6	A
238 9001	36065.73	53 58N	16 8E	76.2	191.1	1.826	-13.30	49.4	SO312	.04070	9.5159	0.4	F
9002	36068.33	53 58N	16 8E	75.2	191.1	1.826	-12.95	49.4	SO312	.04070	9.7635	0.4	V
9003	36074.93	53 27N	16 35E	74.1	190.9	2.037	4.20	50.0	SO312	.04070	9.9120	0.4	V
9004	36077.73	53 27N	16 35E	75.1	190.9	2.037	4.55	50.0	SO312	.04070	9.6644	0.4	A
9005	36091.13	52 27N	15 20E	77.2	190.7	1.826	-19.25	50.7	SO312	.04070	9.5076	0.6	V
9006	36093.93	52 27N	15 20E	78.0	190.6	2.037	-19.25	50.7	SO312	.04070	9.3178	0.6	A
9007	36102.53	51 39N	15 17E	75.0	190.5	2.037	-13.30	51.4	SO312	.04070	9.7882	0.4	V
9008	36105.33	51 38N	15 17E	75.8	190.4	2.037	-12.95	51.4	SO312	.04070	9.5819	0.4	A
9009	36115.93	50 33N	14 49E	76.6	190.3	2.037	-10.10	52.4	SO312	.04070	9.4664	0.4	F
9010	36118.73	50 33N	14 48E	75.7	190.2	2.037	-10.10	52.4	SO312	.04070	9.7057	0.4	V
9011	36122.93	50 6N	14 24E	79.7	190.2	1.826	-23.10	52.7	SO312	.03070	9.0785	0.4	F
9012	36125.13	49 57N	14 21E	79.7	190.1	1.826	-23.10	52.8	SO312	.02200	9.0785	0.4	F
9013	36128.93	49 42N	14 5E	82.4	190.1	1.826	-27.65	53.0	SO312	.02200	8.7731	0.6	F
9014	36131.93	49 42N	14 4E	81.5	190.0	1.826	-27.65	53.0	SO312	.02200	9.0042	0.6	V
9015	36136.93	49 20N	14 9E	78.6	190.0	2.037	-23.10	53.3	SO312	.02200	9.3426	0.6	V
9016	36139.93	49 20N	14 9E	79.4	189.9	2.037	-22.75	53.3	SO312	.02200	9.1610	0.4	A
9017	36165.33	47 15N	14 5E	77.5	189.6	2.181	17.15	55.5	SO312	.03070	9.4911	0.6	V
9018	36177.33	46 15N	14 28E	77.4	189.5	2.181	14.70	56.3	SO312	.02200	9.4086	0.6	F
9019	36180.13	46 14N	14 28E	76.7	189.4	2.181	15.05	56.3	SO312	.02200	9.5902	0.6	V
9020	36184.13	45 48N	14 13E	76.0	189.4	2.390	11.20	56.6	SO312	.03070	9.5737	0.4	F
9021	36186.73	45 48N	14 13E	75.3	189.3	2.181	11.55	56.6	SO312	.03070	9.7635	0.6	V
9022	36189.53	45 48N	14 12E	76.2	189.3	2.181	11.55	56.6	SO312	.03070	9.5159	0.4	A
9023	36200.33	44 53N	13 51E	74.7	189.2	2.390	8.40	57.3	SO312	.04070	9.8377	0.6	V
9024	36203.13	44 53N	13 51E	75.7	189.2	2.390	8.75	57.3	SO312	.04070	9.5737	0.4	A
9025	36244.53	41 55N	12 30E	73.9	188.7	2.390	-9.10	59.5	SO312	.03070	9.9450	0.4	V
9026	36247.13	41 56N	12 30E	74.7	188.7	2.390	-8.75	59.5	SO312	.03070	9.7140	0.4	A
9027	36413.33	30 9N	9 28E	79.0	187.5	2.738	-19.95	67.2	SO312	.03070	9.1693	0.6	F
9028	36416.13	30 9N	9 28E	78.0	187.5	2.738	-19.60	67.2	SO312	.03070	9.4168	0.4	V
239 9001	41985.73	11 53N	15 34W	80.7	186.7	3.232	2.80	70.4	SO312	.03070	9.0702	0.8	V
9002	41988.73	11 53N	15 34W	81.8	186.6	3.232	3.15	70.4	SO312	.03070	8.8144	0.8	A
240 9001	47780.93	21 44S	43 22W	103.7	187.0	2.738	11.20	46.8	SO312	.03070	6.9657	1.4	V
9002	47787.53	22 30S	43 11W	111.2	187.0	2.530	20.30	46.3	SO312	.03070	6.4623	0.4	F
9003	47791.53	22 46S	43 14W	111.5	187.0	2.530	19.95	46.1	SO312	.03070	6.4458	1.6	F
9004	47796.93	22 52S	43 10W	113.1	187.1	2.530	22.75	46.0	SO312	.03070	6.3962	0.8	V
9005	47801.13	22 52S	43 10W	115.1	187.1	2.530	23.10	46.0	SO312	.03070	6.1652	0.6	A
241 9001	53011.13	16 35S	65 45W	107.4	186.8	3.232	-28.35	50.6	SO312	.03070	6.7429	0.8	V
9002	53019.13	17 23S	66 9W	115.1	186.8	3.092	-35.35	49.8	SO312	.02200	6.2064	0.6	F
9003	53033.13	18 11S	65 11W	97.1	186.8	3.092	-1.05	49.7	SO312	.03070	7.4609	0.8	V
9004	53040.93	18 57S	65 17W	98.4	186.9	3.232	0.00	49.1	SO312	.03070	7.2958	1.4	F
9005	53050.33	19 34S	65 45W	99.5	186.9	3.232	-11.55	48.4	SO312	.03070	7.2050	0.6	F
9006	53056.53	19 30S	65 42W	99.3	186.9	3.232	-9.80	48.4	SO312	.03070	7.1968	1.4	A
9007	53231.13	31 31S	68 37W	114.5	187.6	2.881	-20.65	37.4	SO312	.03070	6.2890	0.6	V
9008	53235.93	31 34S	68 32W	114.3	187.7	3.092	-18.20	37.4	SO312	.03070	6.2229	1.4	A
9009	53245.73	32 47S	68 46W	114.6	187.7	2.881	-17.85	36.3	SO312	.03070	6.2064	1.2	F
9010	53249.93	32 48S	68 47W	113.4	187.7	2.881	-17.50	36.3	SO312	.03070	6.3467	1.2	V
9011	53254.93	32 50S	68 51W	116.2	187.8	3.092	-18.90	36.2	SO312	.03070	6.1156	2.6	A
9012	53262.73	33 20S	69 7W	119.0	187.8	3.092	-22.40	35.7	SO312	.03070	5.9753	0.6	A
9013	53267.93	33 41S	69 10W	118.5	187.8	3.092	-21.35	35.4	SO312	.03070	6.0001	1.4	A
9014	53276.73	34 56S	68 40W	112.0	187.9	2.738	-2.45	34.5	SO312	.03070	6.3632	2.0	F
9015	53285.33	35 26S	69 34W	118.9	188.0	2.738	-21.35	33.7	SO312	.03070	5.9836	0.6	F
9016	53289.53	35 26S	69 34W	117.6	188.0	2.738	-21.00	33.8	SO312	.03070	6.1156	1.4	V
9017	53309.73	36 48S	69 53W	118.5	188.1	2.881	-20.65	32.5	SO312	.03070	6.0579	0.8	V
9018	53320.33	37 20S	68 54W	116.4	188.2	2.530	6.30	32.4	SO312	.03070	6.0661	1.4	A
9019	53337.93	38 43S	70 1W	116.5	188.3	2.738	-12.25	30.8	SO312	.03070	6.1652	0.8	V
9020	53340.53	38 54S	70 4W	116.7	188.4	2.738	-12.25	30.7	SO312	.03070	6.1569	0.6	V
9021	53345.53	38 56S	70 6W	118.1	188.4	2.738	-12.60	30.6	SO312	.03070	6.0001	1.4	A
9022	53361.53	40 2S	70 6W	117.7	188.5	2.738	-6.30	29.7	SO312	.03070	6.0084	1.0	A
242 9001	57741.33	22 30N	80 19W	78.6	187.0	3.092	-14.35	70.4	SO312	.03070	9.2105	0.4	F
9002	57745.93	22 11N	80 27W	79.8	187.0	3.092	-17.50	70.4	SO312	.04070	9.0702	1.0	F
9003	57749.93	22 6N	80 26W	78.4	187.0	3.092	-15.75	70.4	SO312	.04070	9.3508	0.6	V
9004	57752.73	22 6N	80 26W	79.3	187.0	3.092	-15.40	70.4	SO312	.04070	9.1445	0.8	A
9005	57886.53	12 38N	81 42W	80.4	186.7	3.232	3.85	70.6	SO312	.03070	9.1032	1.4	V
243 9001	63002.73	25 26N	100 60W	80.9	187.2	2.738	19.25	70.2	SO312	.03070	9.0785	0.4	V
9002	63005.73	25 26N	100 59W	82.3	187.2	2.530	19.95	70.2	SO312	.03070	8.7979	0.4	A
9003	63051.33	22 10N	102 17W	75.6	187.0	3.092	-6.30	70.6	SO312	.03070	9.7140	0.4	V
9004	63054.13	22 10N	102 17W	76.6	187.0	3.092	-5.95	70.6	SO312	.03070	9.4746	0.4	A
9005	63078.33	20 19N	102 40W	76.6	186.9	3.092	-8.05	70.9	SO312	.03070	9.5902	0.4	V
9006	63081.13	20 19N	102 41W	77.6	186.9	3.092	-7.70	70.9	SO312	.03070	9.3508	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
243 9007	63091.93	19 7N	102 20W	81.9	186.9	2.881	14.35	71.5	SO312	.03070	8.8969	0.6	F
9008	63097.93	19 6N	102 20W	82.6	186.9	2.881	15.40	71.6	SO312	.03070	8.7484	0.4	A
248 9001	2805.93	48 5N	153 17E	73.7	189.7	2.181	-7.35	54.7	SO312	.03070	9.9698	0.4	V
9002	2808.73	48 5N	153 17E	74.5	189.7	2.181	-7.00	54.7	SO312	.03070	9.7552	0.4	A
249 9001	8158.73	45 8N	131 21E	83.8	189.2	2.037	25.90	57.5	SO312	.02200	8.6411	0.4	A
9002	8176.33	44 7N	129 21E	81.5	189.0	2.390	-26.95	57.8	SO312	.03070	8.9217	0.6	A
9003	8187.73	43 9N	128 55E	83.9	188.9	2.181	-31.50	58.5	SO312	.02200	8.7649	1.0	V
9004	8205.73	41 56N	128 25E	88.3	188.7	2.037	-36.40	59.3	SO312	.02200	8.3109	0.6	V
9005	8208.93	41 56N	128 25E	89.0	188.7	2.037	-36.05	59.3	SO312	.02200	8.1789	0.6	A
250 9001	13252.93	59 40N	112 41E	82.1	192.9	1.484	-26.25	44.5	SO312	.02200	8.9547	0.4	V
9002	13278.53	57 53N	114 11E	84.7	192.2	1.690	25.55	46.4	SO312	.02200	8.5503	0.4	A
9003	13370.73	51 22N	110 27E	74.2	190.5	2.181	1.40	52.0	SO312	.03070	9.7882	0.4	F
9004	13377.73	50 59N	110 60E	79.2	190.4	2.037	20.30	52.5	SO312	.03070	9.2848	0.8	V
9005	13380.73	50 54N	110 60E	80.3	190.3	2.037	20.65	52.5	SO312	.03070	9.0207	0.8	A
9006	13428.93	47 51N	108 26E	78.8	189.6	2.181	-23.10	54.8	SO312	.03070	9.2353	0.8	A
9007	13444.33	46 23N	108 22E	74.7	189.5	2.181	-12.95	56.1	SO312	.04070	9.6974	0.4	F
9008	13449.73	46 23N	108 25E	74.3	189.4	2.390	-10.50	56.2	SO312	.04070	9.7800	0.6	A
9009	13521.13	41 31N	106 48E	76.9	188.7	2.530	-19.95	59.9	SO312	.03070	9.4416	0.4	A
9010	13559.13	38 31N	106 18E	75.2	188.3	2.530	-12.25	62.3	SO312	.03070	9.6397	0.4	F
9011	13562.33	38 29N	106 14E	74.4	188.3	2.530	-13.65	62.3	SO312	.03070	9.8708	0.4	V
9012	13564.93	38 29N	106 14E	75.2	188.3	2.738	-13.65	62.3	SO312	.03070	9.6562	0.6	A
9013	13570.93	37 42N	106 7E	74.7	188.2	2.530	-11.90	62.8	SO312	.03070	9.7057	0.4	F
9014	13574.93	37 25N	106 8E	74.2	188.2	2.738	-9.10	63.1	SO312	.03070	9.7717	1.0	F
9015	13580.33	37 25N	106 7E	74.2	188.2	2.738	-8.40	63.1	SO312	.03070	9.7800	0.8	A
9016	13615.93	34 60N	105 20E	75.9	187.9	2.738	-16.80	64.6	SO312	.03070	9.5654	0.4	A
9017	13672.73	31 1N	105 10E	77.2	187.6	2.738	10.50	67.5	SO312	.03070	9.3756	0.4	A
9018	13699.53	28 48N	104 39E	76.9	187.4	2.881	8.05	68.6	SO312	.03070	9.4561	0.8	F
9019	13705.13	28 47N	104 39E	77.3	187.4	2.881	9.10	68.6	SO312	.03070	9.3591	0.8	A
9020	13774.73	23 42N	102 46E	82.5	187.1	2.881	-25.55	69.9	SO312	.03070	8.7484	0.6	F
9021	13778.93	23 24N	102 45E	81.4	187.1	2.881	-23.80	70.0	SO312	.03070	8.8639	0.6	F
9022	13912.33	14 23N	101 24E	79.7	186.7	3.232	-10.50	70.7	SO312	.03070	9.1775	0.6	V
9023	13915.13	14 23N	101 24E	80.6	186.7	3.232	-10.15	70.7	SO312	.03070	8.9547	0.6	A
252 9001	23974.13	51 55N	67 22E	84.1	190.6	2.037	25.55	51.8	SO312	.03070	8.6576	0.6	F
9002	23977.13	51 54N	67 22E	83.3	190.6	1.826	25.90	51.8	SO312	.03070	8.8391	0.6	V
9003	23984.33	51 20N	66 17E	74.6	190.5	2.181	2.80	52.1	SO312	.04070	9.7387	0.4	F
9004	23987.33	51 8N	66 12E	74.6	190.4	2.181	2.80	52.3	SO312	.04070	9.7470	0.4	F
9005	23989.93	51 8N	66 12E	73.8	190.4	2.181	3.15	52.3	SO312	.04070	9.9615	0.4	V
9006	23992.33	50 59N	66 9E	73.7	190.3	2.181	3.15	52.4	SO312	.04070	9.9698	0.6	V
9007	23995.13	50 58N	66 9E	74.7	190.3	2.181	3.50	52.4	SO312	.04070	9.7222	0.4	A
9008	24063.73	46 2N	63 19E	86.5	189.4	1.826	-32.55	56.2	SO312	.03070	8.3440	0.6	F
9009	24066.93	46 1N	63 18E	85.3	189.3	2.037	-32.55	56.2	SO312	.03070	8.5998	0.4	V
9010	24069.93	46 2N	63 18E	86.4	189.3	2.037	-32.55	56.2	SO312	.03070	8.4265	0.6	A
9011	24075.53	45 38N	63 17E	84.5	189.2	2.181	-30.45	56.6	SO312	.02200	8.6081	0.6	A
9012	24123.73	42 10N	63 36E	75.5	188.7	2.390	8.75	59.8	SO312	.03070	9.5984	0.4	A
9013	24161.13	39 6N	63 37E	90.8	188.4	2.181	32.55	62.5	SO312	.02200	8.0386	0.6	F
9014	24167.53	39 7N	63 35E	90.8	188.4	2.037	32.55	62.4	SO312	.02200	7.9561	0.6	A
9015	24184.53	37 42N	61 50E	75.8	188.2	2.530	-13.65	62.9	SO312	.02200	9.5654	1.0	F
9016	24186.13	37 35N	61 49E	75.8	188.2	2.530	-13.65	62.9	SO312	.02200	9.5654	0.6	F
9017	24190.13	37 41N	61 50E	75.7	188.2	2.738	-13.30	62.9	SO312	.02200	9.5902	0.6	A
9018	24191.53	37 35N	61 48E	75.8	188.2	2.738	-13.30	62.9	SO312	.02200	9.5902	0.8	A
9019	24211.93	36 4N	62 43E	88.7	188.0	2.181	30.45	64.6	SO312	.02200	8.1459	0.6	A
9020	24223.33	35 18N	62 20E	83.9	188.0	2.390	24.85	65.1	SO312	.02200	8.6081	0.8	A
9021	24388.73	23 40N	58 33E	83.2	187.1	2.881	-25.20	70.0	SO312	.03070	8.6741	1.2	F
253 5001	29425.73	42 13N	41 41E	76.7	188.8	2.390	14.35	59.8	SO312	.03080	9.5828	0.8	V
5002	29428.73	42 12N	41 41E	77.8	188.8	2.390	14.70	59.8	SO312	.03080	9.3270	0.6	A
9001	29004.53	70 52N	54 8E	85.4	199.9	0.787	-26.60	34.0	SO312	.03070	8.5915	1.0	V
9002	29007.73	70 51N	54 7E	86.4	199.7	0.787	-26.60	34.0	SO312	.03070	8.4182	0.8	A
9003	29202.13	57 41N	46 40E	75.1	192.1	1.826	1.05	46.5	SO312	.04070	9.6644	0.4	A
9004	29219.13	56 4N	46 44E	80.5	191.8	1.826	19.60	48.1	SO312	.04070	9.0372	0.6	F
9005	29226.53	56 2N	45 51E	74.8	191.6	1.826	-0.70	47.9	SO312	.04070	9.7057	0.4	A
9006	29234.53	55 16N	45 58E	75.7	191.4	1.826	10.50	48.7	SO312	.04070	9.7140	0.6	V
9007	29237.33	55 15N	45 59E	76.7	191.4	1.826	10.85	48.7	SO312	.04070	9.4664	0.6	A
9008	29247.93	54 12N	45 1*E	74.9	191.2	2.037	2.45	49.6	SO312	.04070	9.6974	0.6	F
9009	29253.13	54 13N	45 12E	74.8	191.1	2.037	1.75	49.6	SO312	.04070	9.7140	1.0	A
9010	29264.33	53 15N	45 5E	74.9	190.9	2.037	8.40	50.5	SO312	.04070	9.8047	0.6	V
9011	29267.13	53 15N	45 5E	75.9	190.8	2.037	8.75	50.5	SO312	.04070	9.5571	0.6	A
9012	29273.93	52 18N	45 28E	85.1	190.7	2.037	26.60	51.5	SO312	.03070	8.5585	0.8	F
9013	29278.53	51 60N	45 19E	84.5	190.7	2.037	25.90	51.7	SO312	.03070	8.6246	1.2	F
9014	29282.33	51 44N	45 14E	84.7	190.6	2.037	26.25	52.0	SO312	.03070	8.5998	0.4	F
9015	29285.33	51 44N	45 14E	84.1	190.5	1.826	26.95	52.0	SO312	.03070	8.7484	0.4	V
9016	29288.73	51 30N	45 10E	84.4	190.5	1.826	27.30	52.2	SO312	.03070	8.7236	0.4	V
9017	29291.73	51 31N	45 10E	85.7	190.4	1.826	27.65	52.2	SO312	.03070	8.4595	0.6	A
9018	29565.73	32 26N	39 8E	76.3	187.7	2.738	9.10	66.7	SO312	.02200	9.5406	0.8	F
9019	29571.13	32 27N	39 8E	76.6	187.7	2.738	9.80	66.7	SO312	.02200	9.4499	1.0	A
9020	30320.13	19 27S	29 49E	105.4	186.9	2.881	14.70	48.7	SO312	.03070	6.8254	0.8	F
9021	30323.93	19 27S	29 49E	104.9	186.9	2.881	15.40	48.8	SO312	.03070	6.9079	0.8	V
9022	30381.73	23 31S	28 7E	105.1	187.1	3.232	-14.00	44.6	SO312	.03070	6.8089	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
253 9023	30388.53	23 41S	27 42E	109.8	187.1	3.232	-24.15	44.3	SO312	.03070	6.5778	1.0	V
9024	30414.53	25 50S	28 19E	106.0	187.2	2.881	6.30	42.9	SO312	.03070	6.7594	0.6	F
9025	30418.53	25 50S	28 19E	105.2	187.2	2.881	6.65	42.9	SO312	.03070	6.8667	0.4	V
9026	30425.93	26 17S	27 45E	104.4	187.3	3.092	-7.35	42.2	SO312	.03070	6.9162	0.6	V
9027	30429.73	26 17S	27 45E	105.8	187.3	3.092	-7.00	42.3	SO312	.03070	6.7264	0.6	A
9028	30445.93	27 37S	27 15E	107.3	187.3	3.092	-14.00	40.9	SO312	.03070	6.7264	1.0	V
9029	30449.93	27 37S	27 15E	108.6	187.4	3.092	-13.30	40.9	SO312	.03070	6.5531	1.0	A
9030	30469.53	29 16S	27 28E	107.8	187.5	2.881	2.45	39.7	SO312	.03070	6.6934	0.8	V
9031	30473.73	29 17S	27 29E	109.5	187.5	2.881	3.15	39.7	SO312	.03070	6.4788	0.6	A
254 5001	34609.53	50 53N	20 39E	84.8	190.2	1.690	-30.10	52.2	SO312	.03080	8.5923	0.6	A
9001	34325.13	69 28N	32 28E	77.3	198.9	1.135	-1.75	35.4	SO312	.05390	9.3756	0.8	F
9002	34328.53	69 25N	32 29E	76.3	198.7	1.135	-0.70	35.5	SO312	.05390	9.6149	0.6	V
9003	34331.33	69 25N	32 29E	77.2	198.6	1.135	-0.35	35.5	SO312	.05390	9.4003	0.6	A
9004	34346.73	68 1N	33 3E	87.0	197.7	1.135	27.65	36.9	SO312	.03070	8.4512	0.6	V
9005	34349.93	68 1N	33 3E	88.0	197.5	1.135	27.65	36.9	SO312	.03070	8.2449	0.6	A
9006	34359.33	67 36N	30 31E	76.8	197.1	1.338	-4.55	37.2	SO312	.04070	9.4499	0.4	A
9007	34479.33	59 19N	25 55E	77.1	192.8	1.690	13.30	45.1	SO312	.04070	9.5324	0.6	V
9008	34482.13	59 19N	25 55E	78.1	192.7	1.690	13.65	45.1	SO312	.04070	9.2848	0.6	A
9009	34497.13	58 24N	24 32E	75.5	192.4	1.826	-7.70	45.8	SO312	.04070	9.6232	0.6	A
9010	34509.93	57 7N	24 23E	75.2	192.1	1.826	2.45	47.0	SO312	.04070	9.6644	0.6	F
9011	34514.13	57 1N	24 16E	74.2	192.0	1.826	1.05	47.1	SO312	.04070	9.9038	0.4	V
9012	34516.73	56 40N	24 7E	75.0	191.9	1.826	1.05	47.4	SO312	.04070	9.6809	0.6	F
9013	34519.53	56 39N	24 6E	74.1	191.9	1.826	1.05	47.4	SO312	.04070	9.9120	1.2	V
9014	34522.93	56 37N	24 4E	75.0	191.8	1.826	1.05	47.5	SO312	.04070	9.6809	0.6	A
9015	34528.13	55 56N	23 30E	75.0	191.7	1.826	-6.65	48.0	SO312	.04070	9.6727	0.6	F
9016	34530.93	55 55N	23 30E	74.1	191.6	1.826	-6.30	48.0	SO312	.04070	9.9120	0.4	V
9017	34539.13	55 2N	24 15E	81.5	191.5	1.826	21.35	49.0	SO312	.04070	8.9464	0.6	F
9018	34542.93	54 59N	24 7E	79.1	191.4	1.826	18.90	49.0	SO312	.04070	9.3013	0.8	V
9019	34545.93	54 59N	24 7E	80.2	191.3	1.826	19.25	49.0	SO312	.04070	9.0455	0.8	A
9020	34552.93	54 34N	23 21E	75.2	191.2	1.826	4.90	49.3	SO312	.04070	9.6479	0.6	A
9021	34564.93	53 41N	23 47E	83.3	191.0	1.690	24.50	50.2	SO312	.03070	8.6988	0.6	A
9022	34576.93	52 50N	21 50E	76.6	190.8	1.826	-17.85	50.7	SO312	.04070	9.5984	0.6	V
9023	34579.73	52 50N	21 51E	77.3	190.7	2.037	-17.50	50.7	SO312	.04070	9.4086	0.6	A
9024	34586.13	52 16N	21 8E	83.5	190.6	1.826	-29.75	51.1	SO312	.03070	8.8061	0.4	V
9025	34589.13	52 16N	21 9E	84.2	190.6	1.826	-29.40	51.1	SO312	.03070	8.6576	0.4	A
9026	34603.33	50 53N	20 40E	84.7	190.3	1.690	-30.10	52.2	SO312	.03070	8.5420	0.6	F
9027	34606.33	50 53N	20 40E	83.4	190.3	1.690	-29.75	52.2	SO312	.03070	8.7979	0.6	V
9028	34663.93	46 43N	19 50E	77.5	189.5	2.181	-18.90	55.9	SO312	.03070	9.3508	0.6	F
9029	34666.73	46 43N	19 50E	76.4	189.5	2.181	-18.55	55.9	SO312	.04070	9.6067	0.4	V
9030	34669.93	46 29N	19 47E	76.3	189.4	2.181	-18.20	56.1	SO312	.03070	9.6232	0.4	V
9031	34672.73	46 29N	19 47E	77.1	189.4	2.181	-17.85	56.1	SO312	.03070	9.4251	0.4	A
9032	34675.33	46 7N	19 42E	76.0	189.4	2.181	-17.50	56.4	SO312	.04070	9.6562	0.4	V
9033	34678.13	46 7N	19 42E	76.8	189.3	2.181	-17.15	56.4	SO312	.03070	9.4664	0.4	A
9034	34696.73	44 30N	18 44E	85.6	189.1	2.037	-31.85	57.5	SO312	.02200	8.4512	1.2	F
9035	34702.73	44 30N	18 44E	84.9	189.1	2.181	-31.15	57.5	SO312	.02200	8.5585	1.4	A
9036	34725.13	42 28N	19 16E	74.3	188.8	2.530	1.05	59.5	SO312	.03070	9.7882	0.4	F
9037	34727.73	42 28N	19 16E	73.5	188.8	2.530	1.40	59.5	SO312	.03070	10.0028	0.4	V
9038	34733.73	42 1N	19 32E	76.6	188.8	2.390	14.35	60.0	SO312	.03070	9.5902	0.4	V
9039	34736.53	42 1N	19 32E	77.7	188.7	2.390	14.70	60.0	SO312	.03070	9.3261	0.4	A
9040	34742.33	41 22N	19 51E	85.7	188.7	2.181	28.70	60.7	SO312	.03070	8.5833	1.0	V
9041	34745.53	41 22N	19 51E	87.1	188.7	2.181	29.05	60.7	SO312	.03070	8.3109	1.0	A
9042	34754.33	40 21N	19 25E	83.3	188.6	2.390	24.15	61.4	SO312	.04070	8.7566	1.0	F
9043	34760.13	40 22N	19 26E	84.0	188.5	2.181	25.20	61.4	SO312	.04070	8.6246	1.2	A
256 9001	45403.53	37 46N	25 40W	78.6	188.2	2.390	18.20	63.3	SO312	.03070	9.3426	0.6	V
9002	45406.53	37 45N	25 40W	79.8	188.2	2.390	18.55	63.3	SO312	.03070	9.0702	0.6	A
9003	46029.33	5 21S	35 31W	109.1	186.5	2.881	-36.75	59.4	SO312	.02200	6.5531	0.8	F
9004	46040.53	5 54S	35 9W	95.3	186.5	3.232	-22.75	59.3	SO312	.03070	7.6342	0.4	V
9005	46043.93	5 54S	35 10W	96.5	186.5	3.439	-22.75	59.4	SO312	.03070	7.4609	0.6	A
9006	46054.13	7 6S	34 57W	91.6	186.6	3.439	-8.40	58.7	SO312	.03070	7.8570	1.0	F
9007	46060.53	7 6S	34 51W	91.6	186.6	3.439	-3.50	58.8	SO312	.03070	7.8240	0.6	A
257 9001	51314.33	4 15S	55 57W	93.3	186.5	3.092	13.65	61.3	SO312	.03070	7.7415	1.4	F
9002	51320.53	4 12S	55 59W	93.6	186.5	2.881	13.65	61.3	SO312	.03070	7.6507	1.4	A
9003	51583.33	22 2S	59 57W	103.6	187.0	3.232	-11.90	45.9	SO312	.03070	6.8749	0.8	A
9004	51717.93	31 32S	60 40W	118.7	187.6	2.181	21.35	37.9	SO312	.02200	6.0661	1.6	V
9005	51726.73	32 2S	61 35W	109.1	187.7	2.738	0.35	37.0	SO312	.03070	6.5943	0.6	V
9006	51736.53	32 20S	62 18W	113.9	187.7	3.092	-16.10	36.5	SO312	.03070	6.2394	0.6	A
9007	51775.13	35 37S	62 3W	115.0	188.0	2.530	8.40	33.8	SO312	.03070	6.1982	1.4	F
9008	51779.93	35 39S	62 7W	113.6	188.0	2.530	7.35	33.8	SO312	.03070	6.3220	1.4	V
9009	51787.73	35 54S	61 57W	118.3	188.1	2.390	13.30	33.7	SO312	.03070	5.9588	1.4	A
9010	51795.33	36 25S	61 59W	120.0	188.1	2.181	15.40	33.2	SO312	.03070	5.8846	1.4	A
9011	51803.93	37 34S	62 23W	117.7	188.2	2.390	11.20	32.1	SO312	.03070	6.0496	0.8	F
9012	51808.13	37 34S	62 22W	117.1	188.2	2.390	11.90	32.1	SO312	.03070	6.1239	1.0	V
9013	51814.33	37 42S	62 19W	120.3	188.2	2.181	14.35	32.0	SO312	.03070	5.8681	1.6	A
9014	51831.73	39 1S	63 59W	118.6	188.4	2.738	-17.15	30.2	SO312	.03070	6.0496	0.8	V
9015	51846.73	40 23S	63 38W	116.9	188.5	2.530	-1.75	29.2	SO312	.03070	6.0744	1.0	F
9016	51889.53	43 9S	65 14W	124.7	188.9	2.530	-19.25	26.3	SO312	.03070	5.6782	1.4	F
9017	51894.13	43 10S	65 15W	123.4	188.9	2.530	-18.90	26.3	SO312	.03070	5.8020	1.4	V
258 9001	56686.93	9 7S	78 31W	104.9	186.6	2.738	25.20	57.7	SO312	.02200	6.8832	1.0	F
9002	56693.73	9 3S	78 37W	103.3	186.6	2.530	23.10	57.7	SO312	.02200	6.9162	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
259 9001	61609.53	17 5N	96 42W	78.4	186.8	3.232	1.75	71.4	SO312	.03070	9.2683	0.4	F
9002	61612.13	17 6N	96 42W	78.4	186.8	3.232	1.75	71.4	SO312	.03070	9.3591	1.0	V
9003	61615.33	17 5N	96 43W	79.5	186.8	3.232	2.10	71.4	SO312	.03070	9.1032	0.6	A
260 5001	66676.53	33 16N	115 57W	76.3	187.8	2.738	-13.65	65.9	SO312	.02210	9.5085	0.6	F
5002	66681.93	33 16N	115 56W	76.2	187.8	2.881	-12.60	65.9	SO312	.02210	9.5416	0.6	A
9001	66676.33	33 16N	115 56W	76.3	187.8	2.738	-13.65	65.9	SO312	.02200	9.5076	0.6	F
9002	66681.93	33 16N	115 56W	76.2	187.8	2.881	-12.60	65.9	SO312	.02200	9.5406	0.6	A
9003	66697.53	31 50N	116 34W	81.0	187.7	2.738	-24.50	66.6	SO312	.03070	8.9464	0.4	F
9004	66700.33	31 50N	116 34W	80.0	187.6	2.738	-24.15	66.6	SO312	.03070	9.1940	0.6	V
9005	66717.73	30 33N	115 56W	76.4	187.5	2.738	9.80	67.9	SO312	.03070	9.6232	0.4	V
9006	66720.53	30 33N	115 56W	77.5	187.5	2.738	10.15	67.9	SO312	.03070	9.3508	0.4	A
264 9001	980.73	69 45N	171 52E	77.9	198.9	0.995	1.05	35.4	SO312	.03070	9.3096	0.4	A
265 9001	6672.73	43 59N	135 31E	82.7	189.0	2.181	-29.40	58.1	SO312	.03070	8.8969	0.6	V
9002	6675.73	43 59N	135 31E	83.5	189.0	2.181	-29.05	58.1	SO312	.03070	8.7401	0.6	A
266 9001	11586.53	70 47N	126 58E	83.8	199.9	0.787	-22.75	34.3	SO312	.03070	8.7649	0.6	V
9002	11589.53	70 47N	126 58E	84.7	199.7	0.787	-22.75	34.3	SO312	.03070	8.5833	0.6	A
9003	11857.73	52 18N	116 47E	74.8	190.7	2.037	-6.65	51.4	SO312	.03070	9.7057	0.6	F
9004	11860.53	52 18N	116 47E	73.9	190.6	2.037	-6.30	51.5	SO312	.03070	9.9533	0.4	V
9005	11867.53	52 1N	116 36E	74.9	190.5	2.037	-8.05	51.7	SO312	.04070	9.7057	0.6	A
9006	11908.73	48 40N	116 47E	86.1	189.9	2.037	28.00	54.9	SO312	.02200	8.4678	0.4	F
9007	11922.13	48 10N	114 40E	80.9	189.7	2.037	-26.95	54.8	SO312	.03070	9.0785	0.8	V
9008	11925.13	48 10N	114 40E	81.6	189.7	2.037	-26.60	54.8	SO312	.03070	8.9217	2.0	A
9009	11975.13	44 36N	114 45E	75.0	189.1	2.390	8.05	58.1	SO312	.03070	9.6809	0.4	A
9010	11987.13	43 54N	113 39E	78.1	189.0	2.390	-21.35	58.3	SO312	.03070	9.3178	0.4	A
9011	12002.13	42 43N	114 46E	83.0	188.8	2.181	24.85	59.8	SO312	.03070	8.7401	0.4	A
9012	12014.73	41 54N	113 60E	74.9	188.7	2.390	8.05	60.2	SO312	.03070	9.6974	0.4	A
9013	12021.53	41 0N	114 8E	79.6	188.7	2.390	19.60	61.1	SO312	.02200	9.1527	0.4	F
9014	12028.33	40 42N	114 23E	85.8	188.6	2.181	29.05	61.4	SO312	.02200	8.5833	0.4	V
9015	12036.93	40 2N	113 20E	74.0	188.5	2.530	1.40	61.6	SO312	.03070	9.8295	0.4	F
9016	12041.13	39 45N	113 9E	73.9	188.5	2.530	-2.45	61.8	SO312	.03070	9.8377	0.8	F
9017	12046.53	39 45N	113 9E	73.9	188.4	2.530	-1.75	61.8	SO312	.03070	9.6212	0.8	A
9018	12057.53	38 56N	113 31E	78.4	188.3	2.390	18.55	62.6	SO312	.03070	9.2353	0.4	A
9019	12066.53	38 2N	112 33E	74.6	188.3	2.738	-9.10	62.9	SO312	.03070	9.7387	1.0	F
9020	12071.93	38 1N	112 33E	74.5	188.2	2.738	-8.40	62.9	SO312	.03070	9.7470	0.8	A
9021	12077.33	37 27N	112 34E	73.3	188.2	2.738	-3.15	63.4	SO312	.03070	10.0276	0.6	V
9022	12080.13	37 27N	112 33E	74.2	188.2	2.738	-2.80	63.4	SO312	.03070	9.7882	0.4	A
9023	12086.73	37 4N	111 54E	79.1	188.1	2.738	-22.75	63.4	SO312	.02200	9.1940	0.4	A
9024	12089.53	36 52N	111 51E	79.3	188.1	2.738	-23.10	63.5	SO312	.02200	9.1775	0.4	A
9025	12234.33	26 30N	109 39E	81.1	187.3	2.881	-23.10	69.3	SO312	.03070	8.9217	0.4	F
9026	12237.33	26 30N	109 39E	80.0	187.3	2.881	-22.75	69.3	SO312	.03070	9.1610	0.4	V
267 9001	17181.73	51 44N	94 24E	74.7	190.5	2.181	-7.35	52.0	SO312	.04070	9.7305	0.6	A
9002	17506.33	29 24N	89 18E	81.9	187.5	2.530	23.10	68.8	SO312	.03070	8.8226	0.6	A
9003	17576.53	24 39N	87 28E	77.4	187.1	3.092	-11.20	70.2	SO312	.03070	9.3756	0.4	A
9004	17616.73	21 29N	87 1E	77.6	187.0	3.092	-4.90	71.1	SO312	.03070	9.3508	1.0	F
9005	17622.33	21 29N	87 1E	77.7	187.0	3.092	-4.20	71.1	SO312	.03070	9.3178	1.0	A
268 5001	22621.93	42 29N	68 48E	82.6	188.8	2.181	-28.00	59.4	SO312	.03080	8.7492	0.6	F
5002	22624.93	42 28N	68 48E	81.5	188.8	2.181	-27.65	59.4	SO312	.03080	8.9968	0.4	V
9001	22437.93	54 59N	73 26E	75.8	191.4	1.826	-9.80	49.1	SO312	.04070	9.5654	0.6	F
9002	22440.73	54 59N	73 25E	74.9	191.3	1.826	-9.80	49.1	SO312	.04070	9.8047	1.0	V
9003	22443.93	54 57N	73 24E	75.8	191.3	2.037	-9.80	49.1	SO312	.02200	9.5902	0.4	A
9004	22478.33	52 28N	72 2E	78.2	190.7	1.826	-21.00	51.2	SO312	.04070	9.3838	0.6	V
9005	22481.33	52 28N	72 2E	79.0	190.6	2.037	-21.00	51.2	SO312	.04070	9.2023	0.6	A
9006	22494.33	51 12N	71 24E	82.0	190.4	1.826	-26.25	52.3	SO312	.03070	8.8144	0.6	F
9007	22501.53	51 1N	72 6E	74.8	190.3	2.181	-5.60	52.6	SO312	.04070	9.7140	0.4	A
9008	22510.53	50 5N	72 59E	84.2	190.2	2.037	26.95	53.7	SO312	.03070	8.7153	0.6	V
9009	22513.73	50 5N	72 55E	84.4	190.1	1.826	25.90	53.7	SO312	.03070	8.5833	0.4	A
9010	22517.53	49 49N	72 50E	84.5	190.1	1.826	26.25	53.9	SO312	.03070	8.5750	0.6	A
9011	22558.33	46 57N	70 50E	73.3	189.5	2.390	-4.20	56.1	SO312	.03070	10.0193	0.4	V
9012	22560.93	46 57N	70 50E	74.2	189.5	2.390	-3.85	56.1	SO312	.03070	9.7882	0.6	A
9013	22633.93	41 33N	69 36E	74.8	188.7	2.530	5.25	60.5	SO312	.03070	9.7222	1.6	F
9014	22640.33	41 19N	69 20E	73.4	188.7	2.530	-1.75	60.6	SO312	.03070	10.0193	0.6	V
9015	22643.13	41 19N	69 19E	74.2	188.6	2.530	-1.40	60.6	SO312	.03070	9.7800	0.4	A
9016	22648.93	40 41N	69 36E	75.5	188.6	2.390	13.65	61.3	SO312	.03070	9.7305	1.2	V
9017	22654.73	40 16N	69 41E	79.3	188.5	2.390	19.60	61.7	SO312	.02200	9.2683	0.6	V
9018	22657.53	40 16N	69 41E	80.5	188.5	2.390	19.95	61.7	SO312	.02200	8.9959	0.6	A
9019	22663.93	39 31N	69 1E	72.7	188.5	2.530	3.50	62.0	SO312	.03070	10.0111	0.6	F
9020	22674.93	38 46N	68 45E	73.3	188.4	2.738	0.70	62.6	SO312	.03070	9.9203	0.6	F
9021	22679.53	38 37N	68 47E	73.7	188.3	2.530	3.85	62.7	SO312	.03070	9.9698	0.8	V
9022	22686.53	38 19N	68 41E	74.2	188.3	2.530	2.80	62.9	SO312	.03070	9.7800	0.4	A
9023	22751.13	33 36N	68 26E	88.6	187.8	2.181	31.85	66.6	SO312	.02200	8.3027	1.0	V
9024	22754.53	33 35N	68 26E	90.1	187.8	2.181	32.20	66.6	SO312	.02200	8.0303	1.2	A
269 9001	27526.93	69 47N	61 35E	77.5	199.1	1.135	4.90	35.4	SO312	.03070	9.4664	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
269 9002	27529.73	69 47N	61 36E	78.5	198.9	1.135	5.25	35.4	SO312	.03070	9.2435	0.6	A
9003	27585.93	66 11N	57 22E	77.9	196.1	1.338	-10.15	38.8	SO312	.03070	9.3096	0.6	A
9004	27593.53	65 15N	57 18E	76.9	195.8	1.338	0.70	39.8	SO312	.03070	9.4251	0.8	F
9005	27599.13	65 15N	57 18E	76.9	195.5	1.338	1.05	39.8	SO312	.03070	9.4416	1.6	A
9006	27608.13	64 25N	55 10E	84.9	195.2	0.995	-26.25	40.4	SO312	.03070	8.5173	0.4	F
9007	27613.93	64 12N	55 18E	81.1	195.0	1.135	-22.05	40.7	SO312	.03070	9.0372	0.8	V
9008	27616.93	64 12N	55 18E	81.9	194.9	1.338	-22.05	40.7	SO312	.02200	8.8721	0.8	A
9009	27690.93	58 50N	52 14E	83.1	192.6	1.484	-25.90	45.6	SO312	.04070	8.6988	0.6	F
9010	27693.93	58 50N	52 15E	81.9	192.6	1.484	-25.55	45.6	SO312	.04070	8.9547	0.6	V
9011	27702.33	58 11N	52 39E	75.5	192.4	1.690	-10.50	46.3	SO312	.04070	9.7305	0.6	V
9012	27705.13	58 11N	52 40E	76.3	192.3	1.690	-10.15	46.3	SO312	.04070	9.5241	0.6	A
9013	27714.53	57 27N	53 12E	77.2	192.1	1.826	10.85	47.0	SO312	.04070	9.4003	0.4	A
9014	27718.13	57 1N	53 3E	76.5	192.0	1.826	11.90	47.4	SO312	.04070	9.6067	0.4	V
9015	27720.93	57 1N	53 3E	77.5	191.9	1.826	12.25	47.4	SO312	.04070	9.3673	0.4	A
9016	27736.53	55 39N	51 56E	75.1	191.6	2.037	-1.05	48.6	SO312	.04070	9.6644	1.0	F
9017	27742.13	55 38N	51 58E	75.1	191.5	2.037	0.35	48.6	SO312	.04070	9.6644	0.6	A
9018	28032.53	35 33N	46 13E	76.5	188.0	2.530	14.00	65.0	SO312	.03070	9.6067	0.4	V
9019	28035.33	35 33N	46 13E	77.6	188.0	2.530	14.35	65.0	SO312	.03070	9.3343	0.4	A
9020	28060.73	33 33N	44 16E	92.0	187.8	2.181	-37.10	65.5	SO312	.01650	7.8405	0.8	F
9021	28064.13	33 33N	44 15E	91.1	187.8	2.390	-37.45	65.5	SO312	.01650	8.0468	0.6	V
9022	28071.73	32 58N	44 40E	78.5	187.7	2.738	-21.35	66.1	SO312	.02200	9.3508	0.8	V
9023	28084.93	32 0N	44 56E	74.5	187.7	2.881	-3.85	67.0	SO312	.03070	9.8625	0.4	V
9024	28087.73	31 60N	44 56E	75.4	187.7	2.881	-3.50	67.0	SO312	.03070	9.6149	0.4	A
9025	28107.13	30 40N	44 34E	75.7	187.5	2.881	-6.30	67.7	SO312	.02200	9.5819	0.8	A
9026	28279.13	18 21N	42 49E	84.5	186.9	2.881	20.30	71.9	SO312	.01650	8.6163	1.2	F
9027	28285.33	18 21N	42 49E	85.1	186.8	2.738	21.00	71.9	SO312	.01650	8.4595	1.0	A
9028	28299.93	16 55N	42 33E	85.8	186.8	2.881	19.60	71.8	SO312	.03070	8.4760	0.8	F
9029	28306.13	16 55N	42 33E	86.7	186.8	2.738	20.65	71.9	SO312	.03070	8.3027	0.8	A
270 5001	33049.33	55 26N	28 35E	84.0	191.5	1.484	-28.00	48.6	SO312	.03080	8.6089	0.4	F
5002	33052.33	55 26N	28 35E	82.9	191.4	1.690	-28.00	48.6	SO312	.04000	8.8565	0.4	V
9001	32850.73	68 57N	36 52E	81.5	198.2	0.995	-20.65	36.2	SO312	.03070	8.9877	0.8	V
9002	32853.73	68 57N	36 51E	82.5	198.0	0.995	-20.65	36.2	SO312	.03070	8.7979	0.8	A
9003	32907.33	64 57N	34 17E	78.0	195.5	1.338	-11.90	40.0	SO312	.03070	9.2848	0.8	F
9004	32912.93	64 57N	34 17E	77.9	195.3	1.338	-11.55	40.0	SO312	.03070	9.3261	0.8	A
9005	33058.13	54 60N	28 49E	77.7	191.3	1.826	-19.25	49.1	SO312	.04070	9.4416	1.0	V
9006	33066.33	54 15N	28 31E	78.7	191.2	1.826	-19.60	49.7	SO312	.04070	9.2023	0.6	F
9007	33069.13	54 15N	28 32E	77.6	191.1	1.826	-19.25	49.7	SO312	.04070	9.4581	0.6	V
9008	33072.53	54 13N	28 30E	78.5	191.1	1.826	-19.25	49.8	SO312	.04070	9.2600	0.6	A
9009	33081.13	53 7N	29 13E	76.4	190.9	2.037	9.80	50.9	SO312	.04070	9.5159	0.6	F
9010	33083.93	53 7N	29 13E	75.6	190.9	2.037	10.15	50.9	SO312	.04070	9.7140	0.6	V
9011	33389.53	32 8N	23 51E	89.4	187.7	2.181	31.15	67.5	SO312	.01650	8.2202	1.0	V
9012	33392.93	32 7N	23 51E	90.9	187.7	2.181	31.50	67.6	SO312	.01650	7.9478	0.8	A
9013	34068.13	14 43S	14 59E	105.5	186.7	2.738	21.00	52.8	SO312	.03070	6.8254	0.6	F
9014	34071.73	14 42S	15 2E	105.9	186.7	2.530	22.75	52.8	SO312	.03070	6.8502	0.6	V
9015	34075.73	14 43S	15 1E	107.8	186.7	2.530	23.10	52.8	SO312	.02200	6.6026	0.6	A
9016	34084.93	15 31S	14 3E	96.2	186.8	3.092	-4.55	51.6	SO312	.03070	7.5352	0.6	V
9017	34088.53	15 31S	14 3E	97.6	186.8	3.439	-4.20	51.6	SO312	.03070	7.3206	0.6	A
9018	34095.13	16 15S	14 19E	98.9	186.8	3.232	8.75	51.2	SO312	.03070	7.3288	0.8	V
9019	34098.93	16 16S	14 19E	100.5	186.8	3.232	9.10	51.2	SO312	.03070	7.0895	0.6	A
9020	34111.13	17 22S	14 23E	104.2	186.8	2.738	17.50	50.4	SO312	.02200	6.9492	1.4	V
9021	34114.93	17 22S	14 23E	106.0	186.8	2.738	17.85	50.4	SO312	.02200	6.7099	1.4	A
9022	34124.93	18 1S	13 51E	100.5	186.9	3.092	4.90	49.6	SO312	.03070	7.0895	1.4	A
271 9001	38448.73	49 10N	4 27E	81.0	190.0	1.826	-24.85	54.1	SO312	.03070	8.9299	1.2	F
9002	38454.53	49 10N	4 27E	80.7	189.9	2.037	-24.50	54.1	SO312	.03070	9.0207	1.2	A
9003	38521.73	44 10N	4 43E	84.6	189.1	2.037	27.30	58.7	SO312	.03070	8.6906	0.6	V
9004	38524.93	44 10N	4 43E	85.9	189.1	2.037	27.65	58.8	SO312	.03070	8.4182	0.6	A
9005	38564.93	41 24N	2 11E	81.8	188.7	2.181	-28.00	60.3	SO312	.03070	8.9877	0.6	V
9006	38567.93	41 24N	2 11E	82.4	188.6	2.390	-27.65	60.3	SO312	.03070	8.8226	0.6	A
9007	38625.73	36 48N	2 56E	91.7	188.2	2.181	32.90	64.5	SO312	.01650	7.9726	0.6	F
9008	38628.93	36 48N	2 57E	91.1	188.1	2.181	33.25	64.5	SO312	.01650	8.0799	0.6	V
9009	38636.73	36 20N	2 14E	77.9	188.1	2.530	15.75	64.5	SO312	.03070	9.4334	0.6	V
9010	38639.73	36 20N	2 14E	79.1	188.1	2.530	16.10	64.6	SO312	.03070	9.1610	0.6	A
9011	39084.33	5 20N	4 1W	86.4	186.5	3.232	9.45	67.6	SO312	.03070	8.3935	0.4	F
9012	39087.33	5 21N	4 1W	85.7	186.5	3.232	9.80	67.6	SO312	.03070	8.5255	0.6	V
273 9001	49835.93	3 44S	49 43W	93.5	186.5	2.881	13.65	61.6	SO312	.03070	7.6590	1.0	A
9002	49959.13	12 2S	52 6W	99.5	186.7	3.439	-19.95	54.3	SO312	.03070	7.2133	0.6	A
9003	49978.53	13 51S	52 28W	101.2	186.7	3.232	-21.35	52.7	SO312	.03070	7.0812	0.6	F
9004	49992.13	14 57S	51 19W	107.6	186.7	2.738	22.75	52.6	SO312	.02200	6.6934	0.8	F
9005	49995.93	14 57S	51 17W	108.1	186.7	2.530	24.50	52.6	SO312	.02200	6.7181	0.6	V
9006	50008.33	15 22S	52 51W	104.3	186.8	3.439	-23.80	51.4	SO312	.03070	6.8667	0.6	A
9007	50056.73	18 47S	52 31W	101.9	186.9	2.881	8.05	48.9	SO312	.03070	6.9905	0.8	A
9008	50076.73	20 11S	52 1W	119.4	186.9	2.037	29.40	48.1	SO312	.02200	5.9341	1.4	A
9009	50087.53	20 54S	52 22W	114.0	187.0	2.390	23.80	47.3	SO312	.02200	6.2229	1.4	A
9010	50104.33	22 29S	53 31W	102.7	187.0	3.092	-2.10	45.5	SO312	.03070	6.9740	1.0	F
9011	50117.13	22 53S	53 9W	107.2	187.1	2.738	12.25	45.4	SO312	.03070	6.6191	1.0	A
9012	50212.73	29 46S	55 46W	115.8	187.5	2.881	-22.75	38.5	SO312	.03070	6.1487	0.6	F
9013	50216.93	29 46S	55 45W	114.3	187.5	3.092	-22.05	38.5	SO312	.03070	6.3055	1.0	V
9014	50291.73	34 53S	56 13W	112.2	187.9	2.738	-3.85	34.1	SO312	.04070	6.4128	0.6	V
9015	50296.13	34 54S	56 13W	113.9	188.0	2.738	-3.50	34.1	SO312	.04070	6.2229	0.4	A
9016	50316.13	36 31S	56 43W	113.8	188.1	2.738	-6.65	32.5	SO312	.03070	6.3137	1.0	V
9017	50326.73	37 13S	57 2W	115.2	188.2	2.738	-10.15	31.8	SO312	.03070	6.2394	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
273 9018	50334.73	37 43S	57 25W	117.9	188.2	2.738	-16.10	31.2	SO312	.03070	6.0909	0.4	V
9019	50339.13	37 43S	57 24W	119.3	188.3	2.738	-15.40	31.2	SO312	.03070	5.9341	0.6	A
275 9001	60081.33	20 59N	89 37W	79.6	187.0	3.092	9.45	71.5	SO312	.03070	9.1280	0.6	F
9002	60086.93	20 60N	89 36W	80.2	187.0	2.881	10.85	71.5	SO312	.03070	9.0124	0.6	A
9003	60098.73	19 52N	90 32W	81.2	186.9	3.092	-18.90	71.0	SO312	.03070	8.9134	0.4	F
9004	60104.53	19 52N	90 31W	81.0	186.9	3.232	-17.85	71.0	SO312	.03070	8.9464	0.6	A
9005	60116.73	18 38N	90 46W	81.6	186.9	3.092	-18.90	71.0	SO312	.03070	8.8639	0.6	F
9006	60122.73	18 37N	90 45W	81.4	186.9	3.232	-17.85	71.1	SO312	.03070	8.9052	0.4	A
276 9001	65269.33	29 6N	110 57W	81.0	187.4	2.738	-23.45	68.3	SO312	.03070	8.9382	0.6	F
9002	65272.33	29 6N	110 58W	80.0	187.4	2.738	-23.10	68.3	SO312	.03070	9.1775	0.6	V
9003	65292.13	27 35N	109 56W	86.5	187.3	2.390	26.95	70.0	SO312	.03070	8.4843	0.4	V
9004	65295.33	27 35N	109 56W	87.9	187.3	2.390	27.30	70.0	SO312	.03070	8.2037	0.4	A
281 9001	5167.12	46 42N	142 49E	76.2	189.5	2.181	-17.85	56.4	SO312	.04000	9.6324	0.4	V
9002	5169.92	46 42N	142 49E	77.1	189.4	2.181	-17.50	56.4	SO312	.03080	9.4508	0.4	A
9001	5138.52	48 42N	144 41E	80.0	189.8	2.037	19.25	55.1	SO312	.03070	9.0702	0.4	A
9002	5315.12	36 18N	140 34E	74.5	188.1	2.738	-3.15	64.5	SO312	.02200	9.7552	0.8	F
9003	5320.52	36 18N	140 33E	74.6	188.1	2.738	-2.45	64.5	SO312	.02200	9.7305	0.8	A
282 9001	10116.12	70 46N	136 11E	81.9	200.2	0.995	17.85	34.7	SO312	.03070	8.9547	0.4	V
9002	10123.32	70 38N	134 34E	78.0	199.7	0.995	-1.40	34.8	SO312	.03070	9.2931	0.4	A
9003	10130.12	70 2N	135 26E	83.5	199.3	0.995	19.60	35.4	SO312	.03070	8.6823	0.4	A
9004	10329.32	56 55N	124 54E	74.9	191.9	1.826	-2.45	47.7	SO312	.02200	9.6974	0.6	A
9005	10354.12	55 10N	124 44E	77.3	191.4	1.826	12.25	49.4	SO312	.03070	9.3838	0.6	A
9006	10366.52	53 59N	123 58E	75.0	191.1	2.037	4.55	50.3	SO312	.03070	9.6892	0.4	F
9007	10372.12	53 59N	123 55E	75.3	191.0	2.037	3.85	50.4	SO312	.04070	9.6397	0.4	A
9008	10388.12	53 2N	122 25E	81.7	190.8	1.826	-25.55	51.0	SO312	.03070	8.9134	0.6	A
9009	10447.92	48 52N	121 36E	74.7	189.9	2.181	-10.50	54.7	SO312	.04070	9.7305	0.6	A
9010	10473.92	46 43N	120 59E	74.6	189.5	2.181	-9.45	56.5	SO312	.04070	9.7222	0.6	F
9011	10479.72	46 41N	121 4E	74.2	189.4	2.390	-6.30	56.5	SO312	.04070	9.7882	0.6	A
9012	10487.12	45 44N	121 25E	77.0	189.4	2.390	13.30	57.5	SO312	.03070	9.4499	0.8	F
9013	10495.92	45 34N	120 51E	74.1	189.3	2.390	-2.10	57.5	SO312	.04070	9.8047	0.8	A
9014	10510.32	44 34N	120 39E	74.2	189.1	2.390	0.35	58.3	SO312	.03070	9.7882	0.6	A
9015	10533.52	42 56N	120 39E	78.1	188.9	2.390	15.40	59.8	SO312	.03070	9.2765	0.6	A
9016	10542.52	41 53N	120 43E	83.9	188.8	2.390	25.20	60.8	SO312	.03070	8.6823	0.6	F
9017	10548.32	41 56N	120 16E	76.4	188.7	2.390	12.60	60.6	SO312	.03070	9.4911	0.6	A
9018	10553.32	41 33N	120 31E	82.0	188.7	2.181	23.10	61.0	SO312	.03070	8.8309	0.6	A
9019	10564.12	40 45N	119 9E	75.3	188.6	2.530	-15.75	61.1	SO312	.03070	9.7552	0.6	V
9020	10566.92	40 45N	119 9E	76.1	188.6	2.530	-15.40	61.1	SO312	.03070	9.5489	0.6	A
9021	10573.32	40 3N	119 28E	73.6	188.5	2.530	1.40	61.9	SO312	.03070	9.9863	0.4	V
9022	10576.12	40 3N	119 28E	74.5	188.5	2.530	1.75	61.9	SO312	.03070	9.7387	0.4	A
9023	10580.52	39 47N	119 10E	74.2	188.4	2.530	-6.30	62.0	SO312	.03070	9.7882	1.0	A
9024	10587.52	39 20N	118 49E	76.1	188.4	2.530	-14.35	62.2	SO312	.03070	9.5489	0.4	A
9025	10614.52	37 31N	118 2E	81.4	188.2	2.530	-25.90	63.3	SO312	.03070	8.9299	0.6	A
9026	10621.32	36 37N	118 20E	74.9	188.1	2.738	-9.80	64.2	SO312	.03070	9.6809	0.4	F
9027	10626.72	36 37N	118 20E	74.8	188.1	2.738	-8.75	64.2	SO312	.03070	9.7057	0.4	A
9028	10638.52	35 32N	118 43E	77.2	188.0	2.530	14.35	65.3	SO312	.03070	9.5241	0.6	V
9029	10643.52	35 3N	118 21E	75.4	188.0	2.738	4.90	65.4	SO312	.03070	9.6479	0.4	F
9030	10646.92	34 60N	118 17E	74.3	187.9	2.738	3.15	65.5	SO312	.03070	9.8873	0.6	V
9031	10747.72	27 57N	115 58E	83.2	187.4	2.738	-26.95	68.8	SO312	.03070	8.6988	0.6	F
9032	10751.92	27 39N	115 57E	82.2	187.4	2.738	-25.20	69.0	SO312	.03070	8.7979	0.6	F
9033	10754.72	27 40N	115 57E	81.1	187.3	2.738	-24.85	69.0	SO312	.03070	9.0455	0.6	V
9034	10824.92	22 47N	115 22E	77.1	187.1	3.092	-11.20	70.8	SO312	.04070	9.5076	0.6	V
9035	10827.92	22 47N	115 22E	78.0	187.0	3.092	-10.85	70.8	SO312	.04070	9.2848	0.4	A
9036	11122.12	2 19N	111 50E	85.1	186.5	3.232	-4.20	65.4	SO312	.03070	8.5750	0.6	V
9037	11125.32	2 18N	111 49E	86.2	186.5	3.439	-4.20	65.4	SO312	.03070	8.3440	0.6	A
9038	11253.32	6 56S	110 26E	92.2	186.6	3.232	3.15	58.8	SO312	.03070	7.8158	0.4	F
9039	11256.52	6 56S	110 27E	91.6	186.6	3.232	4.20	58.8	SO312	.04070	7.9478	0.4	V
9040	11257.72	7 1S	110 26E	91.5	186.6	3.232	4.20	58.7	SO312	.04070	7.9478	0.8	V
9041	11261.12	7 1S	110 25E	92.9	186.6	3.232	4.55	58.7	SO312	.03070	7.7085	0.8	A
9042	11268.72	7 47S	110 22E	92.7	186.6	3.092	7.00	58.2	SO312	.03070	7.8405	0.6	V
9043	11272.12	7 46S	110 22E	94.1	186.6	3.092	7.35	58.2	SO312	.03070	7.6012	0.6	A
283 9001	16101.52	24 51N	93 57E	76.4	187.2	3.092	0.70	70.5	SO312	.03070	9.5076	0.8	F
9002	16107.12	24 51N	93 57E	76.7	187.2	3.092	1.75	70.6	SO312	.03070	9.4334	0.8	A
284 9001	21001.32	52 59N	78 39E	76.3	190.8	2.037	-14.00	51.1	SO312	.03070	9.4994	0.8	F
9002	21006.72	52 59N	78 39E	76.2	190.8	2.037	-13.65	51.1	SO312	.03070	9.5406	0.8	A
9003	21023.52	51 30N	77 48E	79.6	190.5	1.826	-22.40	52.4	SO312	.03070	9.0867	0.4	F
9004	21034.32	50 39N	78 37E	75.7	190.3	2.181	8.40	53.3	SO312	.04070	9.6067	0.4	F
9005	21036.92	50 39N	78 36E	74.8	190.3	2.181	8.40	53.3	SO312	.04070	9.8295	0.4	V
9006	21040.92	50 12N	78 24E	75.2	190.2	2.181	6.65	53.7	SO312	.04070	9.6644	0.6	F
9007	21043.72	50 12N	78 24E	74.4	190.2	2.181	7.00	53.7	SO312	.04070	9.8790	1.2	V
9008	21047.12	50 9N	78 23E	75.4	190.1	2.181	7.35	53.8	SO312	.04070	9.6232	0.4	A
9009	21141.92	43 37N	75 14E	81.2	189.0	2.181	-28.00	58.8	SO312	.02200	9.0290	0.8	V
9010	21144.92	43 37N	75 13E	82.2	188.9	2.181	-28.00	58.8	SO312	.02200	8.8391	1.2	A
9011	21152.52	42 51N	75 20E	76.3	188.9	2.390	-19.25	59.5	SO312	.03070	9.6314	0.6	V
9012	21155.32	42 51N	75 20E	77.1	188.8	2.390	-18.90	59.5	SO312	.03070	9.4334	0.6	A
9013	21278.12	34 2N	73 6E	80.0	187.9	2.530	-23.45	65.7	SO312	.03070	9.0455	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
284 9014	21281.12	34 2N	73 6E	78.9	187.8	2.530	-23.10	65.7	SO312	.03070	9.2931	0.6	V
9015	21285.52	33 45N	72 50E	83.3	187.8	2.530	-29.75	65.7	SO312	.03070	8.8061	0.6	V
9016	21288.52	33 45N	72 50E	84.0	187.8	2.530	-29.40	65.8	SO312	.03070	8.6493	0.6	A
9017	21304.12	32 17N	74 7E	85.4	187.7	2.390	26.95	67.6	SO312	.02200	8.5915	1.0	V
9018	21307.32	32 17N	74 7E	86.8	187.7	2.390	27.30	67.6	SO312	.02200	8.3192	1.0	A
9019	21362.12	28 3N	73 21E	91.5	187.4	2.530	31.15	70.0	SO312	.02200	7.9726	0.8	F
9020	21365.32	28 4N	73 21E	90.9	187.4	2.530	31.50	70.0	SO312	.02200	8.0799	0.8	V
9021	21379.32	27 5N	71 30E	84.6	187.3	2.738	-28.35	69.2	SO312	.03070	8.5503	0.8	F
9022	21382.32	27 5N	71 30E	83.4	187.3	2.738	-28.00	69.2	SO312	.03070	8.7979	0.8	V
9023	21397.12	25 50N	71 30E	80.1	187.2	2.881	-20.30	69.8	SO312	.02200	9.0290	0.6	F
9024	21437.32	23 1N	71 28E	77.3	187.1	3.092	0.70	71.1	SO312	.03070	9.4921	1.0	F
9025	21442.92	23 1N	71 29E	77.6	187.1	3.092	1.75	71.1	SO312	.03070	9.3178	0.8	A
285 5001	26344.12	50 29N	57 2E	82.9	190.3	2.037	23.80	53.6	SO312	.03080	8.7987	0.6	F
5002	26347.12	50 29N	57 2E	82.1	190.2	1.826	24.15	53.6	SO312	.03080	8.9473	0.4	V
9001	26095.52	67 40N	63 55E	81.6	197.2	1.135	-22.05	37.7	SO312	.03070	9.0042	0.6	V
9002	26100.92	67 19N	63 30E	82.8	196.9	1.135	-24.15	38.0	SO312	.03070	8.8721	0.8	V
9003	26104.32	67 17N	63 31E	83.2	196.7	1.135	-23.45	38.0	SO312	.03070	8.7153	0.6	A
9004	26157.72	63 13N	63 28E	85.4	194.6	1.484	26.25	42.1	SO312	.02200	8.6163	0.8	V
9005	26160.92	63 13N	63 28E	86.6	194.5	1.484	26.60	42.1	SO312	.02200	8.3770	0.8	A
9006	26200.72	60 41N	60 32E	75.7	193.3	1.690	0.70	44.3	SO312	.04070	9.5819	0.6	A
9007	26218.52	59 13N	60 33E	79.2	192.8	1.690	17.85	45.8	SO312	.04070	9.2683	0.6	V
9008	26224.52	58 41N	59 48E	76.2	192.6	1.826	7.00	46.2	SO312	.04070	9.5324	0.8	F
9009	26229.92	58 41N	59 48E	76.3	192.5	1.690	7.70	46.2	SO312	.04070	9.5076	0.8	A
9010	26236.72	57 58N	60 6E	81.1	192.3	1.690	21.70	46.9	SO312	.04070	9.0620	0.8	V
9011	26239.72	57 58N	60 6E	82.3	192.3	1.690	22.05	46.9	SO312	.04070	8.8061	0.8	A
9012	26280.12	54 50N	58 39E	81.2	191.4	1.826	21.35	49.8	SO312	.04070	8.9712	1.4	F
9013	26285.92	54 50N	58 39E	81.7	191.3	1.826	22.05	49.8	SO312	.03070	8.8804	1.4	A
9014	26310.12	53 26N	56 2E	84.3	190.8	1.826	-29.40	50.6	SO312	.03070	8.6328	0.4	A
9015	26316.32	52 48N	55 47E	83.9	190.7	1.690	-30.10	51.2	SO312	.03070	8.7484	0.6	V
9016	26319.32	52 48N	55 47E	84.6	190.7	1.690	-29.75	51.2	SO312	.03070	8.5915	0.6	A
9017	26350.52	50 2N	56 58E	84.7	190.2	2.037	26.25	54.1	SO312	.03070	8.6081	0.4	F
9018	26353.12	50 3N	56 58E	83.6	190.2	1.826	26.25	54.0	SO312	.03070	8.7814	1.0	V
9019	26356.32	50 3N	56 58E	84.9	190.1	1.826	26.60	54.0	SO312	.03070	8.5173	1.0	A
9020	26385.92	48 3N	54 11E	85.0	189.7	1.826	-31.85	55.2	SO312	.03070	8.6493	0.8	V
9021	26388.92	48 4N	54 11E	85.8	189.7	2.037	-31.85	55.2	SO312	.03070	8.4760	0.8	A
9022	26440.32	43 56N	54 47E	80.8	189.1	2.181	21.00	59.1	SO312	.03070	8.9959	0.6	F
9023	26443.12	43 56N	54 47E	80.2	189.0	2.181	21.35	59.1	SO312	.03070	9.1610	1.4	V
9024	26447.12	43 52N	54 47E	81.6	189.0	2.181	22.05	59.2	SO312	.03070	8.8887	0.4	A
9025	26496.32	40 25N	52 44E	75.2	188.5	2.530	-14.70	61.4	SO312	.02200	9.7552	0.6	V
9026	26499.12	40 25N	52 44E	76.1	188.5	2.530	-14.35	61.5	SO312	.02200	9.5489	0.6	A
9027	26551.52	36 29N	51 18E	84.8	188.1	2.390	-30.80	64.0	SO312	.01650	8.5338	0.6	F
9028	26554.52	36 29N	51 18E	83.6	188.1	2.390	-30.45	64.0	SO312	.01650	8.7814	0.6	V
9029	26562.32	35 43N	51 29E	77.6	188.0	2.530	-19.60	64.7	SO312	.02200	9.3343	0.6	F
9030	26568.32	35 42N	51 20E	79.8	188.0	2.738	-24.15	64.6	SO312	.03070	9.1115	0.4	A
9031	26658.32	29 16N	50 20E	75.5	187.5	2.881	-9.80	68.6	SO312	.04070	9.7222	0.4	V
9032	26661.12	29 16N	50 20E	76.4	187.4	2.881	-9.45	68.6	SO312	.04070	9.4911	0.4	A
9033	26694.92	26 31N	50 13E	77.6	187.3	2.881	7.35	70.1	SO312	.04070	9.3756	0.6	F
9034	26697.72	26 30N	50 13E	76.9	187.3	2.881	7.70	70.1	SO312	.04070	9.5489	0.6	V
9035	26700.72	26 18N	50 10E	76.9	187.3	2.881	7.70	70.2	SO312	.04070	9.5489	0.6	V
9036	26703.52	26 18N	50 10E	78.0	187.2	2.881	8.05	70.2	SO312	.04070	9.2765	0.6	A
9037	26846.12	16 11N	47 15E	89.4	186.8	2.881	-30.45	70.6	SO312	.02200	8.0634	1.0	F
9038	26849.32	16 10N	47 15E	88.2	186.8	2.881	-30.10	70.6	SO312	.03070	8.2862	1.0	V
9039	27049.92	2 6N	45 19E	86.8	186.5	3.439	-9.80	65.1	SO312	.03070	8.3192	0.6	F
9040	27052.92	2 6N	45 19E	85.9	186.5	3.439	-9.45	65.1	SO312	.03070	8.5008	0.6	V
9041	27056.52	2 4N	45 21E	86.8	186.5	3.439	-7.00	65.2	SO312	.03070	8.2944	1.2	A
286 9001	31449.52	64 38N	39 15E	84.5	195.2	1.135	-27.65	40.5	SO312	.04070	8.6988	0.4	V
9002	31452.52	64 38N	39 15E	85.3	195.1	1.338	-27.65	40.5	SO312	.04070	8.5173	0.4	A
9003	31468.72	62 59N	41 25E	88.2	194.5	1.338	29.75	42.3	SO312	.04070	8.3357	0.4	V
9004	31471.92	62 60N	41 26E	89.5	194.4	1.338	30.10	42.3	SO312	.04070	8.0964	0.6	A
9005	31531.32	59 13N	37 8E	76.4	192.7	1.690	-11.20	45.6	SO312	.04070	9.5076	0.6	A
9006	31560.32	56 45N	37 8E	78.6	192.0	1.826	15.40	48.0	SO312	.04070	9.2518	0.6	F
9007	31563.12	56 45N	37 8E	77.9	191.9	1.826	15.75	48.0	SO312	.04070	9.4499	0.6	V
9008	31569.52	56 13N	37 47E	91.4	191.8	1.484	33.95	48.6	SO312	.03070	8.0551	0.8	V
9009	31572.92	56 12N	37 48E	92.9	191.7	1.484	34.30	48.7	SO312	.03070	7.8158	0.8	A
9010	31580.12	55 35N	36 43E	78.9	191.6	1.690	18.55	49.1	SO312	.04070	9.3096	0.8	V
9011	31583.12	55 35N	36 43E	80.0	191.5	1.690	18.90	49.1	SO312	.04070	9.0537	1.4	A
9012	31587.12	55 6N	36 34E	79.7	191.4	1.690	19.95	49.5	SO312	.04070	9.2270	0.4	V
9013	31590.12	55 6N	36 34E	80.8	191.4	1.690	20.30	49.5	SO312	.04070	8.9712	0.4	A
9014	31602.12	54 17N	34 26E	80.3	191.1	1.690	-24.85	49.9	SO312	.04070	9.1362	0.4	V
9015	31605.12	54 17N	34 26E	81.3	191.1	1.690	-24.85	49.9	SO312	.04070	8.9464	0.4	A
9016	31664.52	49 39N	34 30E	80.9	190.1	2.037	21.00	54.3	SO312	.03070	8.9959	0.6	F
9017	31667.32	49 40N	34 30E	80.0	190.1	2.037	21.00	54.3	SO312	.03070	9.1858	0.6	V
9018	31679.72	48 48N	32 31E	82.2	189.9	1.826	-26.95	54.6	SO312	.03070	8.8061	0.6	F
9019	31682.72	48 48N	32 30E	81.1	189.9	2.037	-26.95	54.6	SO312	.03070	9.0620	0.4	V
9020	31685.72	48 36N	32 24E	81.8	189.8	2.037	-28.00	54.8	SO312	.03070	8.9794	0.8	V
9021	31688.72	48 36N	32 24E	82.8	189.8	2.037	-28.00	54.8	SO312	.03070	8.7896	0.8	A
9022	31712.52	46 47N	33 27E	79.8	189.5	2.037	19.25	56.8	SO312	.03070	9.0785	0.6	A
9023	31727.72	45 21N	33 3E	80.2	189.3	2.181	19.95	58.0	SO312	.03070	9.0785	0.6	F
9024	31732.32	45 13N	33 11E	82.6	189.2	2.181	24.85	58.1	SO312	.03070	8.9052	0.4	V
9025	31735.32	45 13N	33 11E	83.9	189.2	2.181	25.20	58.1	SO312	.03070	8.6328	0.4	A
9026	31787.32	41 29N	31 47E	77.3	188.7	2.390	15.40	61.0	SO312	.04070	9.5159	0.6	V
9027	31790.32	41 29N	31 47E	78.4	188.7	2.390	15.75	61.0	SO312	.04070	9.2435	0.6	A
9028	32565.32	11 48S	19 55E	110.6	186.7	3.092	-34.65	54.0	SO312	.02200	6.5696	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
286 9029	32569.32	11 47S	19 55E	111.4	186.7	3.092	-33.95	54.0	SO312	.02200	6.4823	0.4	A
9030	32653.32	17 54S	19 44E	98.4	186.8	3.232	-4.90	49.3	SO312	.02200	7.3618	1.4	V
9031	32656.92	17 54S	19 44E	99.8	186.8	3.232	-4.55	49.3	SO312	.02200	7.1473	1.4	A
287 9001	36904.12	54 19N	13 42E	76.2	191.2	2.037	9.10	50.2	SO312	.05390	9.5406	0.4	F
9002	36906.72	54 20N	13 42E	76.4	191.2	1.826	9.45	50.2	SO312	.05390	9.7552	0.4	V
9003	36911.92	54 10N	13 41E	76.8	191.1	1.826	11.20	50.3	SO312	.04070	9.4581	0.6	A
9004	36916.52	53 30N	13 10E	75.0	191.0	2.037	3.85	50.9	SO312	.04070	9.6809	0.4	F
9005	36921.72	53 9N	12 60E	74.9	190.9	2.037	2.80	51.2	SO312	.04070	9.7057	0.4	F
9006	36924.52	52 58N	12 55E	74.9	190.9	2.037	2.80	51.3	SO312	.04070	9.7057	0.4	F
9007	36927.12	52 58N	12 55E	74.0	190.8	2.037	3.15	51.3	SO312	.04070	9.9285	0.6	V
9008	36934.72	52 44N	12 1E	78.0	190.7	2.037	-18.90	51.4	SO312	.04070	9.3261	0.4	A
9009	36944.12	51 50N	12 21E	73.6	190.5	2.037	-1.05	52.3	SO312	.04070	9.9780	0.6	V
9010	36946.92	51 49N	12 21E	74.5	190.5	2.037	-0.70	52.3	SO312	.04070	9.7470	0.6	A
9011	37029.32	46 14N	10 11E	75.2	189.4	2.390	-11.55	56.9	SO312	.03070	9.6562	0.6	A
9012	37054.12	44 26N	8 56E	85.1	189.1	2.037	-32.20	58.2	SO312	.02200	8.6246	0.6	V
9013	37057.12	44 26N	8 56E	85.8	189.1	2.037	-31.85	58.1	SO312	.02200	8.4760	0.6	A
9014	37120.12	39 43N	9 27E	81.2	188.5	2.181	23.10	62.5	SO312	.02200	9.0620	0.8	V
9015	37123.12	39 43N	9 27E	82.5	188.4	2.181	23.45	62.5	SO312	.01650	8.7896	0.8	A
289 9001	48503.32	12 45S	46 32W	110.2	186.7	3.439	-32.55	53.2	SO312	.02200	6.5118	1.4	A
9002	48544.32	16 18S	45 20W	110.8	186.8	2.530	24.85	51.2	SO312	.02200	6.4870	1.4	F
9003	48546.72	16 28S	45 22W	110.9	186.8	2.530	24.85	51.1	SO312	.02200	6.4788	1.4	F
9004	48555.32	16 58S	46 1W	100.4	186.8	3.092	8.05	50.3	SO312	.03070	7.1555	1.4	F
9005	48563.92	17 12S	46 52W	101.2	186.8	3.439	-18.20	49.7	SO312	.03070	7.1638	1.2	V
9006	48573.32	17 41S	46 11W	101.2	186.8	3.092	7.70	49.7	SO312	.03070	7.0317	1.4	A
9007	48589.12	19 19S	46 8W	106.9	186.9	2.738	17.85	48.4	SO312	.03070	6.7181	1.4	F
9008	48597.52	19 32S	46 57W	99.5	186.9	3.232	-6.65	47.8	SO312	.03070	7.2711	0.8	V
9009	48602.72	20 7S	47 16W	102.6	186.9	3.232	-13.65	47.2	SO312	.03070	6.9740	1.4	F
9010	48610.32	20 42S	46 45W	102.8	186.9	3.092	6.65	47.0	SO312	.03070	6.9822	1.4	F
9011	48617.32	20 54S	46 59W	100.7	187.0	3.092	1.05	46.7	SO312	.03070	7.1803	1.2	V
9012	48621.72	21 28S	47 2W	102.4	187.0	3.092	2.10	46.2	SO312	.03070	6.9987	0.8	F
9013	48629.72	21 49S	46 33W	109.4	187.0	2.530	18.90	46.2	SO312	.03070	6.6026	1.4	V
9014	48634.72	21 52S	46 34W	111.4	187.0	2.530	19.25	46.2	SO312	.03070	6.3715	0.6	A
9015	48642.12	22 53S	47 4W	105.6	187.0	2.881	9.45	45.1	SO312	.03070	6.7924	0.4	F
9016	48647.72	23 14S	47 18W	104.3	187.1	3.092	4.55	44.7	SO312	.03070	6.8867	0.6	F
9017	48654.92	23 33S	46 44W	113.8	187.1	2.530	22.75	44.7	SO312	.03070	6.3467	0.6	V
9018	48659.32	23 33S	46 44W	115.9	187.1	2.530	23.10	44.7	SO312	.03070	6.1156	0.4	A
290 9001	53850.12	16 12S	68 14W	98.3	186.8	3.232	-0.35	50.8	SO312	.04070	7.3041	1.0	F
9002	53853.72	16 12S	68 13W	97.5	186.8	3.232	0.35	50.9	SO312	.04070	7.4361	0.8	V
9003	53887.92	18 9S	69 30W	110.0	186.9	3.439	-27.65	48.6	SO312	.02200	6.5118	0.6	A
9004	53897.12	19 25S	68 39W	99.8	186.9	3.092	5.60	48.1	SO312	.03070	7.1968	1.4	F
9005	53908.72	20 7S	69 45W	108.2	186.9	3.232	-24.50	47.0	SO312	.03070	6.5943	0.4	F
9006	53912.52	20 7S	69 44W	106.7	186.9	3.232	-23.80	47.0	SO312	.03070	6.7759	0.6	V
9007	53918.72	20 30S	70 11W	116.5	186.9	3.092	-32.90	46.5	SO312	.02200	6.2064	1.2	V
9008	53923.12	20 30S	70 10W	117.4	187.0	3.092	-32.20	46.5	SO312	.02200	6.0991	1.2	A
9009	53939.52	22 15S	69 41W	103.1	187.0	3.232	-10.50	45.3	SO312	.03070	6.9409	1.4	F
9010	53945.52	22 6S	70 3W	108.3	187.0	3.439	-21.35	45.3	SO312	.02200	6.5943	1.4	A
9011	53957.12	23 25S	70 26W	112.0	187.1	3.092	-24.85	44.0	SO312	.02200	6.3715	1.0	F
9012	53964.32	23 38S	70 24W	109.2	187.1	3.232	-22.40	43.9	SO312	.03070	6.6108	1.2	V
9013	53995.32	25 31S	70 22W	106.5	187.2	3.232	-10.15	42.4	SO312	.03070	6.6768	1.4	A
9014	54006.92	26 17S	70 35W	108.1	187.3	3.232	-11.90	41.6	SO312	.03070	6.5778	1.4	A
9015	54016.52	27 15S	70 24W	105.9	187.3	2.881	-1.05	40.9	SO312	.02200	6.6089	1.4	V
9016	54021.92	27 22S	70 19W	108.1	187.3	2.881	2.45	40.9	SO312	.03070	6.5696	0.6	A
9017	54198.52	39 48S	73 13W	117.6	188.4	2.530	-0.70	29.3	SO312	.03070	6.0496	0.6	F
9018	54204.12	39 36S	73 4W	118.6	188.5	2.530	2.45	29.5	SO312	.03070	5.9506	1.4	A
291 9001	58583.12	23 2N	82 45W	84.9	187.1	2.738	21.70	71.6	SO312	.03070	8.5868	0.8	F
9002	58584.72	22 55N	82 46W	84.9	187.1	2.738	21.70	71.6	SO312	.03070	8.5750	0.8	F
9003	58589.12	23 2N	82 49W	83.9	187.1	2.738	19.95	71.5	SO312	.03070	8.5915	0.6	A
9004	58593.92	22 43N	82 52W	84.4	187.0	2.530	20.65	71.6	SO312	.03070	8.5503	1.4	A
292 5001	63688.72	36 48N	102 31W	73.8	188.1	2.738	-1.40	64.3	SO312	.03080	9.8552	0.8	F
5002	63694.12	36 48N	102 30W	74.1	188.1	2.738	-0.35	64.4	SO312	.03080	9.8139	0.6	A
5003	63723.12	34 27N	103 4W	74.1	187.9	2.738	-1.75	65.9	SO312	.02210	9.8139	0.6	F
5004	63728.52	34 26N	103 5W	74.4	187.9	2.738	-1.05	65.9	SO312	.02210	9.7809	0.6	A
9001	63688.72	36 48N	102 31W	73.9	188.1	2.738	-1.40	64.3	SO312	.03070	9.8543	0.6	F
9002	63694.12	36 48N	102 30W	74.0	188.1	2.738	-0.35	64.4	SO312	.03070	9.8130	0.6	A
9003	63723.12	34 26N	103 4W	74.2	187.9	2.738	-1.75	65.9	SO312	.02200	9.8130	0.6	F
9004	63728.32	34 27N	103 4W	74.3	187.9	2.738	-1.05	65.9	SO312	.02200	9.7800	0.8	A
9005	63872.72	24 3N	104 39W	84.4	187.1	2.738	21.35	71.3	SO312	.03070	8.6328	0.6	F
9006	63875.72	24 3N	104 39W	83.8	187.1	2.738	21.70	71.3	SO312	.03070	8.7649	0.6	V
9007	63888.72	23 13N	105 25W	76.4	187.1	3.092	-1.05	71.1	SO312	.03070	9.6149	0.6	V
9008	63891.52	23 14N	105 25W	77.4	187.1	3.092	-0.70	71.1	SO312	.03070	9.3673	0.6	A
295 9001	80706.12	37 8S	175 34E	131.0	188.2	3.092	-29.05	31.2	SO312	.02200	5.4141	0.6	A
297 9001	3368.52	68 45N	161 26E	78.3	198.0	1.135	7.00	36.9	SO312	.03070	9.2683	0.4	A
9002	3718.72	45 16N	148 22E	79.7	189.2	2.181	-23.45	57.8	SO312	.02200	9.1197	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
298 9001	8925.72	51 53N	128 14E	80.9	190.6	1.826	-24.85	52.3	SO312	.03070	8.9299	1.4	F
9002	8929.52	51 49N	128 13E	79.8	190.5	1.826	-24.50	52.3	SO312	.03070	9.1940	0.6	V
9003	8932.92	51 23N	128 9E	79.8	190.5	1.826	-22.75	52.7	SO312	.03070	9.0702	0.6	F
9004	8937.92	51 12N	128 27E	74.9	190.4	2.037	-12.95	53.0	SO312	.03070	9.8047	0.6	V
9005	8940.72	51 11N	128 27E	75.7	190.3	2.037	-12.60	53.0	SO312	.03070	9.6067	0.6	A
9006	8944.32	50 56N	128 27E	75.1	190.3	2.037	-10.15	53.2	SO312	.04070	9.6727	0.8	A
9007	8950.32	50 35N	127 51E	79.8	190.2	2.037	-23.10	53.4	SO312	.03070	9.1197	1.0	A
9008	8952.72	50 25N	127 48E	79.8	190.2	2.037	-23.10	53.5	SO312	.03070	9.1197	0.6	A
9009	8958.32	49 52N	127 20E	83.5	190.1	1.826	-30.10	53.9	SO312	.03070	8.7731	0.6	V
9010	8961.32	49 53N	127 20E	84.3	190.0	2.037	-30.10	53.9	SO312	.02200	8.6246	0.6	A
9011	8987.32	48 5N	126 53E	82.6	189.7	2.037	-28.00	55.4	SO312	.03070	8.8061	0.6	A
9012	8993.72	47 25N	126 53E	78.6	189.6	2.037	-23.10	56.0	SO312	.03070	9.3426	0.4	V
9013	9002.72	46 54N	127 37E	74.7	189.5	2.390	4.20	56.7	SO312	.03070	9.7057	0.4	A
9014	9016.92	45 48N	126 43E	75.0	189.3	2.181	-14.35	57.5	SO312	.03070	9.7882	0.6	V
9015	9019.72	45 48S	126 42E	75.8	189.3	2.390	-14.35	57.5	SO312	.03070	9.5819	1.8	A
9016	9022.12	45 38N	126 39E	75.8	189.3	2.390	-14.35	57.6	SO312	.03070	9.5902	0.8	A
9017	9036.12	44 25N	126 54E	73.6	189.1	2.390	4.20	58.8	SO312	.03070	9.9780	0.4	V
9018	9042.52	44 2N	126 24E	73.7	189.0	2.390	-8.40	59.0	SO312	.03070	9.9698	0.6	V
9019	9045.32	44 1N	126 24E	74.5	189.0	2.390	-8.05	59.0	SO312	.03070	9.7470	0.6	A
9020	9051.92	43 12N	126 12E	74.3	188.9	2.390	-7.70	59.6	SO312	.03070	9.7635	0.6	F
9021	9055.52	42 58S	126 4E	74.7	188.9	2.390	-10.15	59.8	SO312	.03070	9.7057	0.6	F
9022	9065.32	42 21N	126 56E	81.4	188.8	2.181	23.80	60.6	SO312	.03070	9.0290	0.6	V
9023	9068.32	42 21N	126 56E	82.7	188.8	2.181	24.15	60.7	SO312	.03070	8.7566	0.6	A
9024	9076.72	41 27N	126 11E	75.0	188.7	2.530	7.70	61.2	SO312	.03070	9.6892	0.4	F
9025	9079.32	41 27N	126 11E	74.2	188.7	2.530	7.70	61.2	SO312	.03070	9.9038	1.0	V
9026	9082.52	41 25N	126 10E	75.2	188.7	2.530	8.05	61.2	SO312	.03070	9.6479	0.6	A
9027	9092.12	40 29N	124 58E	80.5	188.6	2.390	-24.85	61.5	SO312	.03070	8.9959	0.6	F
9028	9097.52	40 5N	125 15E	75.4	188.5	2.530	-12.60	61.9	SO312	.03070	9.6149	0.6	F
9029	9100.32	40 5N	125 15E	74.5	188.5	2.530	-12.25	62.0	SO312	.03070	9.8543	2.6	V
9030	9106.52	39 49N	125 19E	74.5	188.4	2.530	-7.00	62.2	SO312	.03070	9.7387	1.0	A
9031	9113.32	38 56N	125 32E	75.5	188.4	2.530	7.35	63.0	SO312	.02200	9.6314	1.6	F
9032	9117.12	38 52N	125 30E	74.7	188.4	2.530	7.70	63.1	SO312	.03070	9.8295	0.6	V
9033	9118.52	38 46N	125 29E	74.7	188.3	2.530	7.70	63.2	SO312	.03070	9.8295	0.4	V
9034	9121.32	38 46N	125 29E	75.7	188.3	2.530	8.05	63.2	SO312	.03070	9.5654	0.4	A
9035	9126.32	38 24N	125 41E	79.4	188.3	2.390	17.85	63.6	SO312	.02200	9.1032	1.4	A
9036	9132.32	37 48N	125 25E	76.8	188.2	2.530	14.00	64.0	SO312	.04070	9.5571	0.6	V
9037	9135.32	37 47N	125 25E	77.9	188.2	2.530	14.35	64.0	SO312	.04070	9.2931	0.8	A
9038	9355.12	22 48N	121 6E	84.7	187.0	3.092	-26.95	70.6	SO312	.03070	8.5585	1.4	A
9039	9417.72	18 26N	120 39E	79.6	186.8	3.232	-12.95	71.3	SO312	.03070	9.0867	0.6	A
9040	9443.72	16 39N	120 17E	81.0	186.8	3.232	-14.35	71.2	SO312	.03070	8.9299	0.6	A
9041	9484.32	13 49N	120 9E	80.5	186.7	3.232	1.40	71.0	SO312	.03070	8.9547	0.8	A
9042	9598.32	5 49N	118 13E	87.0	186.5	3.232	-19.95	67.1	SO312	.03070	8.3852	0.6	V
9043	9601.52	5 50N	118 12E	88.1	186.5	3.439	-19.95	67.1	SO312	.03070	8.1954	0.6	A
9044	9620.72	4 17N	117 54E	88.7	186.5	3.232	-21.70	66.2	SO312	.03070	8.2119	0.6	V
9045	9623.92	4 18N	117 53E	89.8	186.5	3.439	-21.70	66.2	SO312	.03070	8.0386	0.6	A
9046	9697.72	1 13S	116 50E	94.9	186.5	3.232	-24.85	62.4	SO312	.02200	7.5599	1.0	F
9047	9701.12	1 13S	116 50E	93.8	186.5	3.232	-24.50	62.4	SO312	.03070	7.7580	1.0	V
9048	9807.12	8 43S	115 10E	108.9	186.6	3.092	-33.95	56.4	SO312	.02200	6.5696	1.2	F
9049	9810.92	8 42S	115 11E	107.1	186.6	3.092	-33.25	56.4	SO312	.02200	6.7841	1.4	V
299 9001	14268.92	49 28N	106 0E	74.2	190.0	2.181	-6.30	54.5	SO312	.04070	9.7800	0.4	F
9002	14274.12	49 29N	105 57E	74.3	190.0	2.181	-7.35	54.5	SO312	.03070	9.7800	0.4	A
9003	14289.52	47 53N	106 47E	87.3	189.8	2.037	30.10	56.2	SO312	.02200	8.3522	1.0	F
9004	14292.72	47 52N	106 47E	86.4	189.7	1.826	30.45	56.2	SO312	.02200	8.5173	0.8	V
9005	14296.92	47 49N	106 38E	84.9	189.7	1.826	27.65	56.2	SO312	.03070	8.5420	0.6	A
9006	14434.32	38 9N	102 44E	74.3	188.3	2.530	-10.15	63.4	SO312	.03070	9.7635	0.4	F
9007	14436.92	37 58N	102 41E	74.3	188.3	2.530	-10.15	63.5	SO312	.03070	9.7635	0.6	F
9008	14440.32	37 55N	102 38E	73.7	188.2	2.530	-11.20	63.6	SO312	.03070	9.9698	0.4	V
9009	14446.72	37 38N	102 52E	73.6	188.2	2.738	0.00	63.9	SO312	.03070	9.8543	0.8	A
9010	14453.92	36 54N	103 12E	77.6	188.1	2.530	18.20	64.7	SO312	.02200	9.4829	0.4	V
9011	14457.92	36 49N	103 14E	79.8	188.1	2.530	20.30	64.8	SO312	.03070	9.0785	0.4	A
9012	14463.52	36 10N	103 32E	89.6	188.1	2.181	32.90	65.4	SO312	.02200	8.2119	0.6	V
9013	14466.92	36 10N	103 32E	91.1	188.0	2.181	33.25	65.4	SO312	.02200	7.9396	0.6	A
9014	14499.32	34 1N	102 5E	73.5	187.8	2.738	2.45	66.4	SO312	.03070	9.8708	0.4	A
9015	14530.52	31 46N	100 47E	79.9	187.6	2.530	-28.00	67.2	SO312	.03070	9.1693	0.6	V
9016	14620.32	25 27N	100 43E	80.9	187.2	2.738	19.60	70.9	SO312	.02200	9.0702	0.8	V
9017	14624.12	25 24N	100 37E	80.2	187.2	2.738	17.15	70.9	SO312	.03070	9.0124	0.6	A
9018	14650.32	23 23N	100 20E	81.9	187.1	2.738	21.00	71.6	SO312	.03070	8.9629	0.6	V
9019	14665.52	22 16N	98 49E	86.7	187.0	2.881	-30.10	70.7	SO312	.03070	8.3192	1.0	F
9020	14714.72	18 48N	99 1E	78.8	186.9	3.092	2.80	71.7	SO312	.03070	9.2188	0.4	F
9021	14717.52	18 48N	99 1E	78.0	186.9	3.092	3.15	71.7	SO312	.03070	9.3921	0.4	V
9022	14722.32	18 42N	98 47E	78.5	186.9	3.092	-4.55	71.5	SO312	.03070	9.2105	0.6	A
9023	14729.72	18 15N	98 12E	84.1	186.8	3.232	-24.85	71.1	SO312	.03070	8.6328	0.6	A
300 9001	19476.72	56 39N	84 54E	95.7	191.8	1.338	-40.25	48.0	SO312	.02200	7.6590	0.8	V
9002	19480.12	56 39N	84 53E	96.8	191.7	1.338	-40.25	48.0	SO312	.02200	7.5021	1.0	A
9003	19489.32	55 27N	85 59E	75.3	191.5	1.826	-8.75	49.3	SO312	.04070	9.6314	0.8	F
9004	19494.72	55 27N	85 59E	75.2	191.4	1.826	-8.05	49.3	SO312	.04070	9.6562	0.8	A
9005	19500.32	55 3N	85 57E	74.8	191.3	2.037	-4.90	49.7	SO312	.02200	9.7140	0.4	A
9006	19508.52	53 59N	86 40E	82.8	191.2	2.037	23.10	50.8	SO312	.03070	8.7979	1.2	F
9007	19514.52	53 58N	86 41E	83.4	191.0	1.826	24.15	50.8	SO312	.03070	8.7071	1.2	A
9008	19532.12	52 31N	85 3E	74.5	190.7	2.037	-3.15	51.9	SO312	.04070	9.7470	1.0	F
9009	19537.52	52 31N	85 3E	74.5	190.6	2.037	-2.45	51.9	SO312	.04070	9.7552	0.8	A
9010	19550.52	51 40N	84 20E	75.9	190.4	2.037	-14.00	52.6	SO312	.03070	9.5737	0.4	A
9011	19665.32	43 39N	81 43E	76.6	189.0	2.390	-19.95	59.2	SO312	.03070	9.5819	0.6	V
9012	19668.12	43 39N	81 43E	77.4	188.9	2.390	-19.60	59.2	SO312	.03070	9.3921	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
300 9013	19750.92	37 35N	80 17E	76.8	188.2	2.530	-17.15	63.7	SO312	.03070	9.4251	0.8	F
9014	19757.32	37 10N	79 56E	80.1	188.2	2.390	-25.20	63.9	SO312	.03070	9.0372	0.6	F
9015	19760.32	37 9N	79 56E	79.1	188.1	2.390	-24.85	63.9	SO312	.03070	9.2931	0.4	V
9016	19764.72	37 3N	79 52E	80.8	188.1	2.390	-25.90	64.0	SO312	.03070	9.0042	0.4	A
9017	19788.92	35 23N	79 32E	78.2	187.9	2.530	-24.85	65.1	SO312	.02200	9.3013	0.8	A
9018	19828.72	32 31N	80 7E	81.5	187.7	2.530	19.95	67.6	SO312	.03070	8.8721	0.6	A
9019	19860.72	30 17N	78 2E	90.6	187.5	2.390	-36.75	67.8	SO312	.02200	8.0964	0.8	V
9020	19864.12	30 17N	78 1E	91.4	187.5	2.390	-36.40	67.8	SO312	.02200	7.9643	0.6	A
9021	19904.72	27 12N	77 59E	78.3	187.3	2.881	-18.55	69.6	SO312	.02200	9.3673	1.0	V
9022	19928.32	25 28N	78 35E	81.5	187.2	2.738	18.90	70.9	SO312	.03070	8.9959	0.8	V
9023	19931.72	25 26N	78 35E	82.9	187.2	2.530	19.60	71.0	SO312	.03070	8.7236	0.4	A
301 5001	24676.52	63 56N	67 7E	85.0	194.7	1.338	-27.65	41.5	SO312	.02210	8.5511	0.4	A
5002	24706.12	61 44N	67 5E	74.9	193.8	1.484	-4.20	43.6	SO312	.03080	9.8057	0.6	V
5003	24708.92	61 44N	67 5E	75.8	193.7	1.090	-4.20	43.6	SO312	.03080	9.5993	0.4	A
5004	24747.12	55 27N	65 18E	83.8	191.5	1.826	25.90	49.5	SO312	.03080	8.7822	0.6	V
5005	24800.12	55 27N	65 19E	85.1	191.5	1.826	26.25	49.5	SO312	.03080	8.5428	0.6	A
5006	24831.32	53 13N	63 33E	74.6	190.9	2.037	6.65	51.4	SO312	.04000	9.8552	0.4	V
5007	24833.92	53 14N	63 34E	75.6	190.8	2.037	7.00	51.4	SO312	.04000	9.6241	0.6	A
5008	25038.32	39 21N	58 37E	76.4	188.4	2.530	-15.40	62.5	SO312	.03080	9.5250	0.4	A
5009	25055.72	37 57N	58 23E	74.6	188.2	2.530	-11.90	63.6	SO312	.03080	9.8470	1.0	V
5010	25058.92	37 55N	58 23E	75.5	188.2	2.738	-11.90	63.6	SO312	.03080	9.6406	0.6	A
5011	25237.32	25 17N	55 18E	83.5	187.2	2.881	-25.90	70.1	SO312	.03080	8.6584	0.6	F
5012	25240.32	25 17N	55 17E	82.4	187.2	2.881	-25.55	70.1	SO312	.04000	8.8895	0.6	V
9001	24665.52	64 21N	69 35E	77.5	195.2	1.484	11.90	41.2	SO312	.03070	9.4829	1.0	V
9002	24792.32	55 38N	64 57E	78.8	191.6	2.037	16.10	49.3	SO312	.03070	9.2270	0.4	F
9003	24797.12	55 27N	65 18E	83.8	191.5	1.826	25.90	49.6	SO312	.03070	8.7814	0.4	V
9004	24921.32	46 52N	61 37E	77.3	189.6	2.390	13.65	56.9	SO312	.03070	9.4086	0.8	F
9005	24926.92	46 52N	61 37E	77.7	189.5	2.181	14.70	56.9	SO312	.03070	9.3343	0.8	A
9006	24989.32	42 20N	59 13E	78.5	188.8	2.390	-21.35	60.2	SO312	.03070	9.2270	1.0	F
9007	24994.92	42 20N	59 13E	78.3	188.8	2.390	-20.65	60.2	SO312	.03070	9.2931	1.0	A
9008	25051.12	38 5N	58 15E	77.5	188.3	2.530	-18.55	63.4	SO312	.03070	9.3426	0.8	F
9009	25209.32	27 10N	56 13E	76.3	187.3	3.092	-5.60	69.8	SO312	.04070	9.5076	0.8	F
9010	25214.72	27 11N	56 13E	76.4	187.3	3.092	-4.55	69.8	SO312	.04070	9.4829	0.8	A
9011	25225.32	26 14N	56 15E	76.3	187.2	2.881	4.55	70.4	SO312	.03070	9.6232	1.4	V
9012	25347.72	17 40N	54 1E	82.3	186.8	3.092	-19.60	71.2	SO312	.03070	8.7896	0.6	F
9013	25353.52	17 40N	54 2E	82.0	186.8	3.232	-18.55	71.2	SO312	.03070	8.8309	0.6	A
9014	25359.12	17 3N	54 9E	79.0	186.8	3.232	-9.80	71.3	SO312	.03070	9.2683	0.6	V
9015	25362.12	17 3N	54 8E	80.0	186.8	3.232	-9.45	71.4	SO312	.03070	9.0455	0.6	A
302 5001	29861.92	71 37N	52 24E	80.4	201.0	0.787	-15.40	34.2	SO312	.04000	8.9968	0.4	F
5002	29864.72	71 38N	52 24E	79.5	200.8	0.787	-15.40	34.2	SO312	.05370	9.2197	0.8	V
5003	30116.52	54 59N	41 15E	77.2	191.3	1.826	-16.45	49.7	SO312	.04000	9.4343	0.4	A
5004	30141.72	52 47N	41 29E	76.6	190.8	2.037	11.55	51.8	SO312	.04000	9.4920	0.6	F
5005	30144.92	52 45N	41 27E	75.8	190.8	2.037	11.55	51.9	SO312	.04000	9.6984	0.6	V
5006	30147.72	52 45N	41 27E	76.9	190.7	2.037	11.90	51.9	SO312	.04000	9.4590	0.6	A
5007	30151.52	52 28N	41 28E	78.1	190.7	2.037	15.05	52.1	SO312	.04000	9.3104	0.6	A
5008	30197.12	48 59N	40 19E	78.7	190.0	2.181	17.15	55.2	SO312	.03080	9.2609	0.6	F
5009	30199.92	48 59N	40 18E	77.9	189.9	2.181	17.15	55.2	SO312	.03080	9.4508	0.6	V
5010	30220.52	47 44N	40 18E	86.3	189.7	1.826	28.35	56.4	SO312	.03080	8.4190	0.6	A
5011	30376.92	37 2N	35 26E	85.0	188.1	2.390	-31.85	63.9	SO312	.01660	8.6336	0.6	V
5012	30380.12	37 1N	35 26E	85.8	188.1	2.390	-31.50	63.9	SO312	.01660	8.4933	0.6	A
5013	30444.92	32 9N	36 9E	88.3	187.7	2.181	30.45	68.0	SO312	.09610	8.3282	1.8	V
5014	30449.92	32 2N	35 60E	86.4	187.7	2.390	26.95	68.0	SO312	.09610	8.3695	1.8	A
5015	30471.32	30 26N	34 55E	74.7	187.5	2.881	0.35	68.4	SO312	.03080	9.8387	0.4	V
5016	30474.12	30 26N	34 55E	75.7	187.5	2.881	0.70	68.5	SO312	.03080	9.5911	0.4	A
5017	30480.52	29 36N	34 55E	76.5	187.5	2.881	6.65	69.0	SO312	.03080	9.5085	0.6	F
5018	30483.32	29 35N	34 54E	75.9	187.5	2.881	7.00	69.0	SO312	.03080	9.6819	0.6	V
5019	30505.92	27 53N	34 18E	76.0	187.4	2.881	-3.50	69.6	SO312	.04000	9.5498	0.6	F
5020	30508.72	27 52N	34 17E	75.3	187.4	2.881	-3.15	69.6	SO312	.04000	9.7479	0.4	V
5021	30525.12	26 45N	33 57E	75.8	187.3	3.092	-8.05	70.0	SO312	.04000	9.6736	0.6	V
5022	30528.12	26 44N	33 57E	76.8	187.3	3.092	-7.35	70.0	SO312	.04000	9.4590	0.4	A
5023	30549.72	25 4N	33 30E	76.9	187.2	3.092	-12.25	70.5	SO312	.03080	9.5416	0.4	V
5024	31094.72	12 32S	28 16E	121.5	186.7	2.181	36.40	54.6	SO312	.02210	5.9758	0.8	V
5025	31099.52	12 33S	28 16E	124.1	186.7	1.826	37.10	54.6	SO312	.02210	5.7447	0.6	A
5026	31408.12	33 34S	22 12E	115.7	187.8	2.881	-17.50	34.6	SO312	.03080	6.2152	0.6	V
5027	31412.52	33 34S	22 11E	117.4	187.8	3.092	-17.50	34.6	SO312	.03080	6.0584	0.6	A
9001	29784.52	76 15N	62 38E	80.6	209.0	0.636	9.80	29.5	SO312	.05390	8.9877	1.0	F
9002	29790.32	76 14N	62 39E	80.6	208.2	0.636	10.15	29.5	SO312	.05390	8.9959	1.0	A
9003	29873.32	70 49N	53 44E	79.9	200.2	0.995	15.05	35.0	SO312	.04070	9.1775	0.8	V
9004	29876.32	70 49N	53 45E	81.0	200.0	0.995	15.40	35.0	SO312	.04070	8.9547	0.8	A
9005	29941.32	66 46N	47 48E	78.5	196.4	1.135	-13.65	38.9	SO312	.04070	9.2435	0.4	A
9006	30087.92	56 33N	43 30E	80.9	191.9	1.826	21.70	48.5	SO312	.04070	9.0950	0.8	V
9007	30090.92	56 33N	43 30E	82.1	191.8	1.826	22.05	48.5	SO312	.04070	8.8391	0.8	A
9008	30102.32	55 28N	42 20E	75.4	191.6	2.037	5.25	49.4	SO312	.04070	9.6397	0.8	F
9009	30107.72	55 28N	42 20E	75.5	191.4	1.826	6.30	49.4	SO312	.04070	9.6149	0.8	A
9010	30128.72	54 13N	40 28E	83.0	191.1	1.826	-27.65	50.3	SO312	.03070	8.7814	0.6	A
9011	30166.52	51 5N	40 51E	76.6	190.4	2.181	11.55	53.3	SO312	.04070	9.4911	0.8	F
9012	30171.92	51 5N	40 51E	76.8	190.3	2.037	12.25	53.3	SO312	.04070	9.4499	0.8	A
9013	30206.12	48 20N	40 13E	80.5	189.8	2.181	20.30	55.8	SO312	.03070	9.0620	1.0	F
9014	30211.92	48 20N	40 12E	80.6	189.8	2.037	20.65	55.8	SO312	.03070	8.9877	1.0	A
9015	30434.92	32 38N	36 7E	84.9	187.7	2.530	25.20	67.6	SO312	.03070	8.5915	0.6	F
9016	30437.72	32 39N	36 7E	84.2	187.7	2.530	25.55	67.6	SO312	.03070	8.7318	0.8	V
9017	30444.72	32 9N	36 9E	88.3	187.7	2.181	30.45	68.0	SO312	.02200	8.3274	1.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
302 9018	30449.92	32 2N	35 60E	86.3	187.7	2.390	26.95	68.0	SO312	.02200	8.3687	1.8	A
9019	30517.72	27 5N	33 54E	77.4	187.4	2.881	-12.60	69.7	SO312	.03070	9.3591	1.0	F
9020	30562.92	23 60N	32 49E	86.3	187.1	2.738	-29.40	70.3	SO312	.01650	8.3687	1.0	F
9021	30566.12	23 59N	32 49E	85.2	187.1	2.738	-29.05	70.4	SO312	.01650	8.6081	0.8	V
9022	30685.12	15 39N	32 34E	86.7	186.8	2.738	21.70	71.9	SO312	.01650	8.4430	1.2	V
9023	30688.52	15 38N	32 34E	88.2	186.8	2.738	22.05	71.9	SO312	.01650	8.1624	1.0	A
9024	31083.32	11 39S	27 30E	96.2	186.6	3.092	10.15	54.8	SO312	.03070	7.5352	0.6	V
9025	31086.92	11 39S	27 30E	97.9	186.6	3.092	10.85	54.8	SO312	.03070	7.2876	0.6	A
9026	31321.52	27 41S	23 1E	120.1	187.4	3.092	-30.45	39.8	SO312	.03070	6.0001	0.6	V
9027	31326.12	27 41S	23 0E	121.5	187.4	3.092	-30.10	39.8	SO312	.03070	5.8681	0.6	A
303 5001	35363.52	58 26N	22 12E	80.5	192.6	1.690	19.25	46.8	SO312	.04000	9.6381	0.6	F
5002	35366.52	58 26N	22 12E	79.8	192.5	1.690	19.60	46.8	SO312	.04000	9.2031	0.4	V
5003	35371.52	58 15N	22 32E	86.7	192.4	1.484	28.00	47.0	SO312	.03080	8.3860	0.6	A
5004	35378.72	57 26N	21 34E	79.0	192.2	1.826	16.45	47.7	SO312	.04000	9.2114	1.0	F
5005	35382.12	57 24N	21 32E	78.0	192.1	1.826	16.10	47.8	SO312	.04000	9.4260	0.6	V
5006	35385.12	57 23N	21 32E	79.1	192.1	1.826	16.45	47.8	SO312	.04000	9.1866	0.6	A
5007	35393.52	56 24N	21 19E	81.5	191.9	1.826	21.35	48.7	SO312	.04000	8.9390	0.6	F
5008	35396.32	56 24N	21 19E	80.9	191.8	1.826	21.70	48.7	SO312	.04000	9.0958	0.6	V
5009	35405.92	55 45N	21 8E	82.4	191.6	1.690	24.15	49.3	SO312	.04000	8.9225	0.4	V
5010	35408.92	55 45N	21 8E	83.6	191.5	1.690	24.50	49.3	SO312	.03080	8.6749	0.4	A
5011	35415.32	54 57N	20 32E	79.7	191.4	1.826	18.55	50.0	SO312	.04000	9.1371	0.4	F
5012	35417.92	54 46N	20 28E	79.9	191.4	1.826	18.90	50.1	SO312	.04000	9.1123	0.6	F
5013	35423.72	54 46N	20 29E	80.4	191.3	1.826	19.60	50.2	SO312	.04000	9.0298	0.6	A
5014	35427.92	54 29N	20 20E	80.2	191.2	1.826	19.25	50.4	SO312	.04000	9.0711	0.6	A
5015	35438.32	53 32N	18 39E	76.6	191.0	1.826	-15.40	51.0	SO312	.04000	9.4590	0.6	F
5016	35454.92	52 26N	17 55E	80.3	190.7	1.826	-23.80	51.9	SO312	.03080	9.0216	0.6	F
5017	35466.92	51 46N	18 6E	74.8	190.5	2.037	-12.60	52.6	SO312	.04000	9.8222	0.6	V
5018	35469.72	51 46N	18 6E	75.6	190.5	2.037	-12.25	52.6	SO312	.04000	9.6241	0.6	A
5019	35477.52	50 53N	17 26E	79.4	190.3	1.826	-22.40	53.2	SO312	.03080	9.1206	0.6	F
5020	35480.32	50 53N	17 26E	78.4	190.3	2.037	-22.40	53.2	SO312	.04000	9.3682	1.0	V
5021	35483.72	50 51N	17 26E	79.2	190.2	2.037	-22.05	53.3	SO312	.03080	9.1949	0.6	A
5022	35494.32	49 38N	18 10E	75.8	190.1	2.181	10.15	54.6	SO312	.04000	9.5993	0.6	F
5023	35497.12	49 37N	18 10E	75.1	190.1	2.181	10.50	54.6	SO312	.04000	9.7892	0.6	V
5024	35508.32	48 47N	18 33E	84.8	189.9	1.826	28.00	55.5	SO312	.02210	8.6831	0.4	V
5025	35511.52	48 46N	18 32E	85.8	189.9	1.826	28.00	55.5	SO312	.02210	8.4603	0.4	A
5026	35516.92	48 0N	18 10E	83.4	189.8	2.037	24.85	56.1	SO312	.03080	8.7409	0.6	F
5027	35519.72	48 1N	18 11E	82.7	189.7	2.037	25.20	56.1	SO312	.03080	8.8812	0.8	V
5028	35523.12	47 47N	18 7E	83.0	189.7	2.037	25.55	56.3	SO312	.03080	8.8565	0.8	V
5029	35526.32	47 46N	18 7E	84.4	189.7	1.826	26.25	56.3	SO312	.03080	8.6006	0.6	A
5030	35530.92	47 4N	17 43E	80.7	189.6	2.037	21.35	56.9	SO312	.03080	9.0298	0.6	F
5031	35533.92	47 4N	17 43E	80.1	189.6	2.037	21.70	56.9	SO312	.03080	9.1784	0.4	V
5032	35540.12	46 24N	17 47E	86.2	189.5	2.037	28.35	57.5	SO312	.03080	8.4603	0.6	F
5033	35543.12	46 24N	17 48E	85.6	189.5	2.037	28.70	57.5	SO312	.03080	8.5923	0.6	V
5034	35549.52	46 13N	17 19E	79.2	189.4	2.037	18.20	57.5	SO312	.03080	9.1619	0.4	A
5035	35563.32	44 50N	17 13E	84.5	189.2	2.181	26.25	58.8	SO312	.03080	8.6419	0.6	F
5036	35566.32	44 50N	17 13E	83.9	189.2	2.181	26.60	58.8	SO312	.03080	8.7739	1.0	V
5037	35569.92	44 48N	17 13E	85.3	189.1	2.181	26.95	58.8	SO312	.03080	8.5181	0.4	A
5038	35696.92	35 55N	14 31E	78.7	188.0	2.530	17.50	65.4	SO312	.03080	9.3435	0.6	V
5039	35699.72	35 56N	14 31E	80.0	188.0	2.530	17.85	65.4	SO312	.03080	9.0711	0.8	A
5040	35741.52	32 55N	13 12E	74.4	187.7	2.738	-5.25	67.0	SO312	.03080	9.8717	0.6	V
5041	35744.32	32 55N	13 12E	75.4	187.7	2.738	-4.90	67.0	SO312	.03080	9.6324	0.6	A
5042	35751.52	32 6N	12 32E	80.1	187.7	2.738	-23.45	67.1	SO312	.03080	9.0463	0.6	F
5043	35754.52	32 5N	12 32E	79.1	187.7	2.738	-23.10	67.2	SO312	.03080	9.2774	0.6	V
5044	35762.92	31 27N	12 58E	74.5	187.6	2.881	-2.10	67.9	SO312	.03080	9.8552	0.6	V
5045	35765.72	31 26N	12 58E	75.5	187.6	2.881	-1.75	67.9	SO312	.03080	9.6158	0.6	A
9001	35196.32	69 25N	31 1E	88.4	199.1	1.338	27.30	36.4	SO312	.02200	8.2202	0.6	F
9002	35199.32	69 26N	31 0E	87.1	198.9	1.135	27.30	36.4	SO312	.03070	8.4100	0.6	V
9003	35418.72	54 42N	20 27E	79.9	191.4	1.826	18.90	50.2	SO312	.04070	9.1115	0.4	F
9004	35424.32	54 43N	20 27E	80.3	191.2	1.826	19.60	50.2	SO312	.04070	9.0290	0.6	A
9005	35444.32	53 10N	18 1E	82.5	190.9	1.690	-26.95	51.2	SO312	.03070	8.7731	0.6	F
9006	35447.12	53 10N	18 2E	81.4	190.8	1.690	-26.60	51.2	SO312	.03070	9.0290	0.6	V
9007	35458.12	52 24N	17 52E	79.6	190.7	1.826	-24.15	51.9	SO312	.04070	9.2188	0.8	V
9008	35461.12	52 24N	17 51E	80.6	190.6	2.037	-24.50	51.9	SO312	.03070	9.0207	0.8	A
9009	35585.72	43 33N	16 26E	77.1	189.0	2.181	15.40	59.7	SO312	.04070	9.5406	0.4	V
9010	35588.52	43 33N	16 26E	78.2	189.0	2.181	15.75	59.7	SO312	.04070	9.2765	0.6	A
9011	35627.32	40 51N	14 14E	84.8	188.6	2.181	-31.85	61.2	SO312	.03070	8.6493	0.6	V
9012	35630.52	40 51N	14 13E	85.6	188.6	2.390	-31.85	61.2	SO312	.03070	8.4925	0.6	A
9013	35741.52	32 55N	13 12E	74.4	187.7	2.738	-5.25	67.0	SO312	.04070	9.8708	0.6	V
9014	35744.32	32 55N	13 12E	75.3	187.7	2.738	-4.90	67.0	SO312	.04070	9.6314	0.6	A
9015	36041.92	12 5N	8 30E	90.9	186.7	3.092	-29.75	69.7	SO312	.02200	7.9313	1.4	F
9016	36048.92	12 3N	8 33E	89.3	186.6	3.232	-27.30	69.8	SO312	.02200	8.1046	1.4	A
304 5001	40792.32	50 28N	5 1W	81.4	190.2	1.826	-27.30	53.5	SO312	.03080	9.0050	0.6	V
5002	40795.32	50 28N	5 1W	82.3	190.2	2.037	-27.30	53.6	SO312	.03080	8.8482	0.6	A
9001	40818.92	48 20N	4 29W	75.1	189.8	2.181	6.65	55.7	SO312	.04070	9.6809	0.6	F
9002	40824.32	48 20N	4 29W	75.3	189.8	2.181	7.35	55.7	SO312	.04070	9.6314	0.6	A
305 5001	46956.92	8 30S	37 41W	109.8	186.6	2.390	29.40	57.8	SO312	.02210	6.4958	1.0	A
5002	47078.52	17 5S	39 12W	113.2	186.8	2.390	27.30	58.4	SO312	.02210	6.3885	0.6	V
9001	46903.12	4 50S	39 22W	121.2	186.5	2.881	-44.80	59.1	SO312	.02200	5.9836	1.4	V
9002	46911.52	5 9S	39 14W	115.3	186.5	3.232	-40.60	59.0	SO312	.02200	6.2477	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
305 9003	46933.52	7 15S	38 53W	96.3	186.6	3.439	-21.00	57.8	SO312	.03070	7.4609	1.4	F
9004	46949.52	8 1S	37 20W	118.8	186.6	2.037	36.40	58.4	SO312	.02200	5.9753	1.4	A
9005	46966.12	9 22S	38 15W	97.6	186.6	2.881	16.10	56.8	SO312	.03070	7.4361	1.0	V
9006	46977.92	9 52S	39 2W	94.2	186.6	3.439	-8.40	55.9	SO312	.03070	7.6012	1.4	A
9007	47012.32	12 52S	38 19W	115.0	186.7	2.390	30.80	54.1	SO312	.02200	6.2725	1.4	F
9008	47033.32	13 50S	40 4W	99.4	186.7	3.439	-19.25	52.4	SO312	.03070	7.2958	1.0	V
9009	47052.92	14 49S	40 51W	115.7	186.7	3.439	-35.70	51.2	SO312	.02200	6.2064	1.4	A
9010	47067.92	16 1S	39 58W	98.5	186.8	3.232	-1.75	50.8	SO312	.03070	7.2463	0.6	A
9011	47090.32	17 36S	39 14W	117.2	186.8	2.181	29.05	50.0	SO312	.02200	6.0579	1.4	A
9012	47106.32	18 40S	39 50W	107.8	186.9	2.530	18.20	48.8	SO312	.03070	6.5943	1.4	A
9013	47129.12	20 12S	40 17W	105.9	186.9	2.738	12.95	47.3	SO312	.03070	6.7099	1.4	A
9014	47147.72	21 39S	41 17W	102.3	187.0	3.232	-10.50	45.7	SO312	.03070	7.0565	1.4	V
9015	47153.92	22 18S	41 45W	108.3	187.0	3.232	-21.00	44.9	SO312	.03070	6.5861	1.4	F
9016	47161.12	22 46S	42 5W	113.3	187.0	3.092	-26.95	44.3	SO312	.03070	6.2890	1.4	F
9017	47165.12	22 46S	42 5W	112.0	187.1	3.092	-26.60	44.4	SO312	.03070	6.4458	1.4	V
9018	47170.72	22 52S	42 4W	112.6	187.1	3.439	-25.55	44.3	SO312	.03070	6.3467	0.6	A
306 5001	52491.32	24 8S	65 20W	139.0	187.1	2.881	-44.10	42.7	SO312	.02210	5.2082	0.8	V
5002	52496.12	24 48S	65 29W	141.6	187.2	2.530	-44.45	42.0	SO312	.01660	5.0349	1.4	F
5003	52505.32	24 45S	65 24W	138.5	187.2	3.092	-42.70	42.2	SO312	.02210	5.1752	0.6	A
5004	52598.32	31 40S	64 27W	115.7	187.6	2.390	16.80	36.9	SO312	.03080	6.2152	0.6	V
5005	52602.72	31 40S	64 27W	117.8	187.7	2.390	17.15	36.9	SO312	.03080	6.0088	0.6	A
5006	52629.32	33 42S	65 23W	111.7	187.8	2.738	4.20	34.8	SO312	.03080	6.4298	1.0	V
5007	52633.72	33 43S	65 23W	113.6	187.8	2.738	4.55	34.8	SO312	.03080	6.2400	0.8	A
5008	52661.12	35 30S	66 17W	114.7	188.0	2.881	-8.05	33.0	SO312	.03080	6.1822	0.8	A
5009	52696.12	37 41S	67 50W	130.3	188.3	2.881	-29.40	30.5	SO312	.02210	5.4556	1.2	A
5010	52705.32	38 57S	68 1W	128.4	188.3	2.738	-27.30	29.3	SO312	.03080	5.5136	0.6	F
5011	52712.32	38 47S	68 2W	129.5	188.4	2.881	-27.65	29.5	SO312	.03080	5.4888	0.8	A
5012	52728.72	40 34S	67 46W	119.5	188.5	2.738	-12.95	28.1	SO312	.03080	5.9346	0.8	F
5013	52735.32	40 30S	67 12W	118.5	188.6	2.530	-0.35	28.4	SO312	.03080	5.9676	0.8	A
5014	52749.52	41 16S	68 42W	130.7	188.7	2.881	-26.95	27.2	SO312	.03080	5.4311	0.8	A
9001	52051.92	5 37N	57 46W	88.5	186.5	2.881	16.80	67.8	SO312	.03070	8.2532	1.4	V
9002	52366.12	16 6S	62 1W	97.9	186.8	3.232	-0.70	50.7	SO312	.03070	7.3371	1.4	F
9003	52373.72	16 22S	62 8W	97.0	186.8	3.232	-2.45	50.5	SO312	.03070	7.4691	0.6	V
9004	52380.12	16 29S	62 40W	102.6	186.8	3.439	-18.90	50.1	SO312	.03070	6.9740	1.4	A
9005	52387.52	17 29S	63 8W	108.9	186.8	3.232	-27.65	49.0	SO312	.03070	6.5696	1.4	F
9006	52391.72	17 46S	63 11W	109.1	186.8	3.232	-27.65	48.8	SO312	.03070	6.5531	1.4	F
9007	52397.32	17 37S	63 8W	108.3	186.8	3.439	-26.25	49.0	SO312	.03070	6.6108	1.0	A
9008	52404.32	18 8S	62 54W	102.7	186.9	3.439	-16.45	48.7	SO312	.03070	6.9575	1.4	A
9009	52410.92	19 4S	63 30W	111.4	186.9	3.232	-29.05	47.6	SO312	.03070	6.4045	1.4	F
9010	52415.92	18 52S	63 22W	109.1	186.9	3.439	-25.90	47.8	SO312	.03070	6.5613	1.4	A
9011	52423.92	19 58S	63 30W	106.9	186.9	3.232	-24.50	46.9	SO312	.03070	6.6768	1.8	F
9012	52430.32	19 46S	63 57W	120.3	186.9	3.232	-35.70	46.8	SO312	.02200	5.9423	1.4	A
9013	52440.32	20 51S	63 24W	103.0	187.0	3.232	-15.75	46.3	SO312	.03070	7.0152	1.4	V
9014	52446.32	21 15S	63 30W	103.8	187.0	3.232	-16.45	45.9	SO312	.03070	6.9657	0.6	V
9015	52456.12	21 55S	63 38W	104.1	187.0	3.232	-16.45	45.3	SO312	.03070	6.9327	1.4	V
9016	52460.52	22 28S	63 47W	106.3	187.0	3.232	-17.85	44.8	SO312	.03070	6.7099	3.2	F
9017	52469.12	22 31S	63 51W	107.5	187.1	3.232	-18.55	44.7	SO312	.03070	6.6356	0.6	A
9018	52474.52	23 7S	64 19W	113.6	187.1	3.092	-28.35	44.0	SO312	.03070	6.3550	1.4	V
9019	52481.12	23 52S	64 4W	107.5	187.1	3.092	-17.85	43.5	SO312	.03070	6.6356	1.4	F
9020	52524.72	26 48S	65 5W	117.7	187.3	2.881	-28.00	40.7	SO312	.03070	6.0414	1.4	F
9021	52533.72	26 48S	65 13W	120.8	187.3	3.232	-30.45	40.6	SO312	.03070	5.9011	0.4	A
9022	52558.52	28 27S	65 43W	125.7	187.4	3.092	-32.90	39.0	SO312	.03070	5.6700	0.8	A
9023	52577.12	30 19S	66 17W	131.6	187.5	2.738	-36.05	37.2	SO312	.03070	5.3976	1.4	F
9024	52594.52	31 26S	64 16W	117.8	187.6	2.390	19.60	37.2	SO312	.03070	6.0991	0.6	V
9025	52606.12	32 12S	64 28W	117.9	187.7	2.390	18.90	36.5	SO312	.03070	6.0991	1.4	V
9026	52610.72	32 13S	64 27W	120.1	187.7	2.181	19.60	36.5	SO312	.03070	5.8846	0.6	A
9027	52614.92	33 8S	64 21W	126.1	187.7	2.181	25.20	35.7	SO312	.03070	5.6700	0.6	F
9028	52623.92	33 36S	65 25W	112.3	187.8	2.738	2.45	34.9	SO312	.03070	6.3467	1.4	F
9029	52643.32	34 47S	64 23W	134.8	187.9	1.826	31.50	34.3	SO312	.03070	5.3316	1.4	V
9030	52678.92	36 50S	64 43W	141.4	188.1	1.484	33.25	32.4	SO312	.03070	4.9767	1.4	A
9031	52851.12	48 45S	70 11W	126.4	189.8	2.181	-11.55	20.3	SO312	.04070	5.5875	0.8	F
9032	52855.72	48 45S	70 10W	125.1	189.9	2.390	-11.20	20.3	SO312	.04070	5.7112	1.6	V
9033	52876.12	49 57S	68 56W	134.5	190.2	1.690	17.85	19.7	SO312	.04070	5.2078	1.4	A
9034	52887.12	50 31S	70 46W	128.2	190.3	2.390	-10.50	18.7	SO312	.04070	5.4884	1.0	A
9035	52896.32	51 2S	71 34W	134.1	190.5	2.390	-20.30	18.0	SO312	.04070	5.2491	0.8	A
9036	52906.52	52 33S	70 21W	130.0	190.6	1.826	8.40	17.0	SO312	.04070	5.4306	1.4	F
9037	52913.52	52 58S	70 52W	128.6	190.7	2.037	2.45	16.5	SO312	.04070	5.4884	1.4	F
9038	52918.12	52 58S	70 51W	127.1	190.8	1.826	3.15	16.5	SO312	.04070	5.6040	3.4	V
9039	52924.72	53 5S	70 52W	129.2	190.9	1.826	3.85	16.4	SO312	.04070	5.4306	1.2	A
9040	52931.32	53 34S	70 27W	133.8	191.0	1.690	12.95	16.1	SO312	.03070	5.2326	1.4	A
307 5001	57121.52	21 34N	77 13W	78.8	187.0	3.092	7.00	71.7	SO312	.04000	9.2279	0.6	F
5002	57129.92	21 27N	77 51W	80.2	187.0	3.232	-17.15	71.2	SO312	.04000	9.0628	0.6	A
5003	57137.12	20 42N	77 37W	77.1	186.9	3.092	-2.45	71.6	SO312	.04000	9.5168	0.6	V
5004	57144.52	20 21N	77 8W	84.9	186.9	2.738	19.95	72.1	SO312	.03080	8.5098	0.6	A
5005	57446.72	0 55S	80 41W	100.6	186.5	2.738	26.25	63.6	SO312	.02210	7.2057	0.8	F
5006	57501.32	4 25S	81 13W	104.0	186.5	2.390	28.35	61.0	SO312	.02210	6.9993	0.4	V
5007	57503.12	4 33S	81 14W	104.1	186.5	2.390	28.35	60.9	SO312	.02210	6.9911	0.4	V
5008	57506.72	4 32S	81 13W	106.9	186.5	2.390	29.40	61.0	SO312	.02210	6.6774	0.4	A
5009	57507.92	4 37S	81 13W	107.0	186.5	2.390	29.40	60.9	SO312	.02210	6.6857	0.4	A
9001	57121.52	21 33N	77 13W	78.8	187.0	3.092	7.00	71.7	SO312	.03070	9.2270	0.4	F
9002	57150.32	19 57N	77 19W	82.8	186.9	2.738	16.10	72.0	SO312	.03070	8.7071	1.4	A
9003	57440.72	0 33S	80 24W	107.5	186.5	2.530	32.55	64.1	SO312	.02200	6.7511	1.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
307 9004	57454.92	0 60S	80 27W	109.9	186.5	2.181	33.95	63.8	SO312	.02200	6.5045	1.2	A
9005	57464.72	2 9S	80 58W	98.9	186.5	2.738	23.45	62.7	SO312	.02200	7.3206	1.4	F
9006	57468.32	2 9S	80 59W	98.3	186.5	2.738	23.80	62.7	SO312	.02200	7.4114	1.4	V
9007	57476.92	2 30S	80 23W	124.0	186.5	1.826	41.65	62.9	SO312	.02200	5.7608	0.6	A
9008	57487.92	3 35S	80 29W	125.6	186.5	1.826	42.70	62.1	SO312	.02200	5.8020	0.6	V
9009	57492.12	3 33S	80 26W	130.0	186.5	1.484	44.10	62.2	SO312	.01650	5.4884	0.6	A
9010	57502.52	4 31S	81 14W	104.1	186.5	2.390	28.35	60.9	SO312	.02200	6.9905	1.4	V
9011	57506.52	4 31S	81 12W	106.8	186.5	2.390	29.40	61.0	SO312	.01650	6.6768	0.8	A
308 5001	62225.52	35 17N	96 40W	74.6	188.0	2.738	-2.10	65.6	SO312	.02210	9.7644	0.6	F
5002	62230.92	35 17N	96 40W	74.8	187.9	2.738	-1.40	65.6	SO312	.02210	9.7314	0.6	A
9001	62171.72	39 15W	94 28W	95.7	188.4	1.826	36.75	63.4	SO312	.02200	7.5682	2.8	A
9002	62225.52	35 17W	96 40W	74.6	188.0	2.738	-2.10	65.6	SO312	.02200	9.7635	0.6	F
9003	62230.72	35 18W	96 40W	74.7	187.9	2.738	-1.40	65.6	SO312	.02200	9.7305	0.8	A
9004	62312.32	29 33W	98 26W	78.7	187.5	2.738	-20.65	68.6	SO312	.02200	9.3343	3.0	V
9005	62360.72	26 8S	98 17W	78.3	187.2	2.881	11.90	70.7	SO312	.03070	9.3921	0.4	V
9006	62363.52	26 8N	98 18W	79.4	187.2	2.881	12.25	70.7	SO312	.03070	9.1197	0.4	A
9007	62439.52	20 37N	100 25W	86.3	186.9	2.881	-29.40	71.0	SO312	.03070	8.3770	0.6	F
9008	62442.72	20 36N	100 25W	85.1	186.9	2.881	-29.05	71.0	SO312	.03070	8.6163	0.4	V
9009	62455.52	19 24N	99 33W	80.5	186.9	2.881	14.00	72.0	SO312	.03070	9.0455	1.4	F
9010	62461.52	18 59N	99 35W	81.3	186.9	2.881	15.40	72.1	SO312	.03070	8.9547	0.4	F
9011	62467.32	18 59N	99 36W	81.9	186.9	2.881	16.10	72.1	SO312	.03070	8.8309	0.4	A
9012	62473.12	18 21N	99 32W	85.6	186.9	2.738	22.05	72.2	SO312	.03070	8.5750	0.4	V
9013	62476.32	18 21N	99 32W	87.0	186.8	2.738	22.40	72.2	SO312	.03070	8.2944	0.4	A
9014	62490.72	17 13N	100 25W	78.2	186.8	3.232	-4.90	71.5	SO312	.03070	9.3756	0.4	V
9015	62493.52	17 14N	100 25W	79.2	186.8	3.232	-4.55	71.5	SO312	.03070	9.1362	0.6	A
309 9001	67544.12	34 14N	118 10W	85.2	187.9	2.390	26.95	66.8	SO312	.02200	8.6163	7.4	V
312 9001	83019.32	64 26N	173 13W	80.5	195.3	1.484	16.45	41.4	SO312	.03070	9.0124	1.4	F
9002	83025.52	64 25N	173 13W	81.0	195.1	1.338	17.15	41.4	SO312	.02200	8.9547	1.0	A
313 5001	2099.52	52 59N	158 26E	77.1	190.9	2.037	12.25	51.9	SO312	.04000	9.4425	0.6	F
5002	3390.72	35 2S	138 31E	119.6	188.0	2.881	-21.70	33.0	SO312	.03080	6.0088	0.8	V
9001	1878.32	68 4N	166 29E	76.4	197.6	1.135	-2.10	37.9	SO312	.03070	9.6067	0.4	V
9002	1881.12	68 5N	166 28E	77.2	197.4	1.135	-2.10	37.9	SO312	.03070	9.3921	0.4	A
9003	2032.12	57 38N	161 8E	84.7	192.2	1.690	26.95	47.8	SO312	.03070	8.6741	0.6	V
9004	2035.32	57 38N	161 9E	86.1	192.2	1.484	27.65	47.8	SO312	.03070	8.4265	0.6	A
9005	2051.52	56 19N	160 41E	88.0	191.8	1.690	30.45	49.0	SO312	.02200	8.3522	0.4	V
9006	2054.72	56 19N	160 41E	89.2	191.7	1.484	30.80	49.0	SO312	.02200	8.1376	0.4	A
9007	2080.92	54 20N	158 10E	75.2	191.2	2.037	-8.75	50.5	SO312	.03070	9.6479	0.8	F
9008	2086.32	54 20N	158 9E	75.2	191.1	2.037	-8.40	50.5	SO312	.03070	9.6644	0.8	A
9009	2096.12	53 13N	158 25E	76.2	190.9	2.037	9.45	51.6	SO312	.03070	9.5324	0.4	F
9010	2102.92	52 55N	158 27E	76.7	190.8	2.037	13.65	51.9	SO312	.04070	9.5737	0.6	V
9011	2105.72	52 55N	158 27E	77.8	190.8	2.037	14.00	51.9	SO312	.04070	9.3178	0.6	A
314 5001	7472.92	48 29N	135 16E	85.3	189.9	2.037	26.95	55.9	SO312	.02210	8.5511	0.4	F
5002	7475.92	48 29N	135 16E	84.7	189.8	2.037	27.30	55.9	SO312	.02210	8.6914	1.2	V
5003	7479.72	48 26N	135 15E	85.8	189.8	1.826	27.65	56.0	SO312	.02210	8.4685	0.4	A
5004	7495.92	47 11N	134 21E	76.8	189.6	2.181	14.70	56.9	SO312	.03080	9.5828	0.6	V
5005	7511.52	45 58N	133 44E	75.3	189.4	2.390	7.35	57.8	SO312	.03080	9.6654	1.2	F
5006	7530.92	44 45N	132 2E	86.7	189.2	2.037	-32.90	58.4	SO312	.02210	8.3530	0.4	F
5007	7534.92	44 28N	132 8E	82.9	189.1	2.037	-28.35	58.7	SO312	.02210	8.7409	0.6	F
5008	7537.72	44 29N	132 8E	82.0	189.1	2.037	-28.35	58.6	SO312	.02210	8.9555	0.6	V
5009	7541.52	44 1N	131 56E	84.5	189.1	2.037	-30.45	59.0	SO312	.02210	8.5593	0.4	F
5010	7545.12	43 46N	132 0E	81.9	189.0	2.037	-26.95	59.2	SO312	.02210	8.8317	1.2	F
5011	7551.72	43 43N	131 59E	81.6	189.0	2.390	-26.60	59.3	SO312	.02210	8.9225	0.6	A
5012	7556.32	43 11N	131 59E	78.4	188.9	2.390	-23.10	59.7	SO312	.02210	9.3682	0.6	V
5013	7559.32	43 11N	131 58E	79.4	188.9	2.390	-23.10	59.7	SO312	.02210	9.1784	0.4	A
5014	7564.72	42 53N	131 23E	90.3	188.8	2.181	-36.40	59.8	SO312	.02210	8.0971	0.4	A
9001	7482.52	48 2N	135 7E	84.6	189.8	2.037	27.30	56.3	SO312	.02200	8.6906	0.8	V
9002	7485.72	48 2N	135 6E	85.7	189.7	1.826	27.65	56.3	SO312	.02200	8.4595	0.8	A
9003	7503.72	46 51N	134 9E	76.8	189.5	2.181	12.25	57.2	SO312	.03070	9.4581	0.4	A
9004	7519.52	45 50N	133 8E	75.0	189.3	2.390	-10.15	57.8	SO312	.03070	9.6974	0.4	A
9005	7545.72	43 43N	131 59E	82.0	189.0	2.037	-26.95	59.3	SO312	.02200	8.8309	1.0	F
9006	7551.52	43 43N	131 59E	81.6	189.0	2.390	-26.60	59.3	SO312	.02200	8.9217	1.2	A
9007	8078.72	7 7N	125 38E	87.4	186.6	2.881	16.45	68.6	SO312	.03070	8.3687	0.8	V
9008	8579.52	27 9S	119 55E	119.0	187.3	2.181	24.50	41.1	SO312	.03070	6.0579	0.6	V
9009	8584.12	27 10S	119 55E	121.3	187.3	2.181	24.85	41.1	SO312	.03070	5.8350	0.6	A
315 5001	12717.12	52 60N	113 29E	74.8	190.9	2.037	-7.00	51.7	SO312	.04000	9.7066	0.6	F
5002	12719.92	52 59N	113 29E	73.9	190.8	2.037	-6.65	51.8	SO312	.04000	9.9377	0.6	V
5003	12729.52	52 7N	113 31E	74.5	190.6	2.181	2.80	52.6	SO312	.04000	9.7562	0.6	F
5004	12735.72	51 44N	113 2E	74.4	190.5	2.037	-7.00	52.8	SO312	.04000	9.7479	0.4	F
5005	12739.12	51 30N	112 59E	74.3	190.5	2.037	-6.95	53.1	SO312	.04000	9.7727	0.6	F
5006	12742.72	51 26N	112 53E	73.7	190.4	2.037	-8.05	53.1	SO312	.04000	9.9708	0.8	V
5007	12836.32	44 55N	110 6E	83.4	189.2	2.037	-29.75	58.3	SO312	.03080	8.6749	0.4	F
5008	12839.52	44 54N	110 7E	82.0	189.2	2.037	-28.70	58.3	SO312	.02210	8.9555	0.4	V
5009	12842.32	44 55N	110 8E	82.3	189.1	2.037	-28.00	58.3	SO312	.03080	8.8565	0.6	A

Handle via BYEMAN Channels BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
315 5010	12848.12	44 31N	110 4E	81.8	189.1	2.181	-27.30	58.7	S0312	.03080	8.8977	0.4	A
5011	12872.92	42 26N	111 3E	79.8	188.8	2.181	21.70	60.9	S0312	.03080	9.2197	0.4	V
5012	12887.32	42 5N	109 60E	74.2	188.7	2.530	-9.80	60.8	S0312	.03080	9.8057	0.4	A
5013	12896.92	40 41N	109 55E	73.7	188.6	2.530	-0.35	61.9	S0312	.03080	9.8470	0.6	F
5014	12902.12	40 42N	109 55E	73.9	188.6	2.530	0.35	61.9	S0312	.03080	9.8139	0.6	A
5015	12914.32	39 50N	110 1E	76.1	188.4	2.530	11.55	62.7	S0312	.03080	9.5416	0.4	A
5016	12938.72	37 54N	110 5E	85.6	188.3	2.181	28.70	64.4	S0312	.02210	8.5923	0.6	V
5017	12953.12	37 5N	108 22E	78.0	188.1	2.530	-23.10	64.2	S0312	.03080	9.4260	0.4	V
5018	12957.12	36 59N	108 29E	76.6	188.1	2.738	-18.20	64.4	S0312	.03080	9.5085	0.6	A
5019	12977.52	35 16N	109 8E	78.9	188.0	2.530	19.25	66.1	S0312	.03080	9.3104	0.4	V
5020	12999.12	34 0N	108 42E	78.6	187.8	2.390	15.40	66.8	S0312	.03080	9.2279	0.6	A
5021	13009.32	32 59N	107 59E	74.6	187.8	2.881	-4.20	67.1	S0312	.03080	9.7314	0.4	F
5022	13014.52	32 59N	107 59E	74.8	187.7	2.881	-3.15	67.2	S0312	.03080	9.7066	0.6	A
9001	12728.32	52 12N	113 33E	74.5	190.7	2.181	2.80	52.5	S0312	.03070	9.7470	0.8	F
9002	12735.12	51 46N	113 3E	74.5	190.6	2.037	-7.00	52.8	S0312	.04070	9.7479	0.8	F
9003	12745.92	51 24N	112 51E	74.6	190.4	2.037	-8.40	53.1	S0312	.04070	9.7387	0.6	A
9004	12892.32	41 11N	110 3E	72.8	188.6	2.530	0.00	61.6	S0312	.03070	10.0936	0.8	V
9005	12896.32	40 43N	109 56E	73.8	188.6	2.530	-0.35	61.9	S0312	.03070	9.8480	0.8	F
9006	12901.52	40 44N	109 56E	73.9	188.6	2.530	0.35	61.9	S0312	.03070	9.8130	0.8	A
9007	12908.32	39 52N	109 59E	75.4	188.5	2.530	4.45	62.7	S0312	.03070	9.6479	0.6	F
9008	12930.72	38 18N	109 46E	77.7	188.3	2.530	15.40	63.9	S0312	.02200	9.3756	0.8	F
9009	12982.72	34 40N	109 14E	85.6	187.9	2.390	26.60	66.6	S0312	.02200	8.5090	0.8	F
9010	12985.72	34 40N	109 14E	84.9	187.9	2.390	26.95	66.6	S0312	.02200	8.6411	0.8	V
9011	12991.32	34 18N	109 1E	81.7	187.9	2.390	22.75	66.8	S0312	.03070	8.9794	0.6	V
9012	12994.52	34 18N	109 1E	83.0	187.9	2.390	23.10	66.8	S0312	.03070	8.7071	0.4	A
9013	13176.12	21 46N	104 52E	89.6	187.0	2.738	-33.60	70.8	S0312	.02200	8.1624	0.8	V
9014	13179.52	21 45N	104 52E	90.5	187.0	2.738	-33.25	70.8	S0312	.02200	8.0221	0.8	A
9015	13296.12	13 26N	103 49E	81.9	186.7	3.232	-16.80	70.5	S0312	.02200	8.9217	0.8	V
9016	13299.12	13 27N	103 49E	82.9	186.7	3.232	-16.45	70.5	S0312	.02200	8.7153	0.8	A
9017	13336.32	10 33N	104 22E	91.7	186.6	2.738	25.20	70.5	S0312	.02200	7.9581	0.6	V
9018	13339.72	10 33N	104 23E	93.4	186.6	2.530	25.90	70.5	S0312	.02200	7.6920	0.6	A
316 5001	17971.32	56 34N	93 12E	75.2	191.9	1.826	2.80	48.7	S0312	.04000	9.6571	1.2	F
5002	17974.52	56 21N	93 5E	75.1	191.8	1.826	2.45	48.9	S0312	.04000	9.6736	1.4	F
5003	17978.12	56 17N	93 4E	74.3	191.7	1.826	2.80	48.9	S0312	.04000	9.8882	0.4	V
5004	17981.72	56 2N	92 60E	74.5	191.7	1.826	3.85	49.1	S0312	.04000	9.8635	0.6	V
5005	17984.52	56 2N	92 60E	75.5	191.6	1.826	4.20	49.1	S0312	.04000	9.6406	0.6	A
5006	18012.52	53 50N	91 25E	76.3	191.1	1.826	-14.00	51.0	S0312	.04000	9.5003	0.6	F
5007	18016.92	53 43N	91 24E	75.2	191.0	2.037	-13.30	51.1	S0312	.04000	9.7644	0.6	V
5008	18025.72	53 5N	91 26E	73.9	190.8	2.037	-8.30	51.7	S0312	.02210	9.9460	0.4	V
5009	18164.12	43 42N	87 50E	79.0	189.0	2.181	-24.85	59.3	S0312	.02210	9.2857	0.4	V
5010	18168.52	43 25N	87 43E	79.2	188.9	2.181	-26.25	59.6	S0312	.03080	9.2527	0.4	V
5011	18171.52	43 24N	87 42E	80.1	188.9	2.390	-26.25	59.6	S0312	.03080	9.0958	0.4	A
5012	18206.52	40 47N	87 14E	76.9	188.6	2.390	-20.30	61.6	S0312	.03080	9.5498	0.6	V
5013	18209.32	40 47N	87 14E	77.7	188.6	2.390	-19.95	61.6	S0312	.03080	9.3682	0.6	A
5014	18673.72	8 35N	81 12E	81.9	186.6	3.232	-2.10	68.9	S0312	.04000	8.9225	0.4	V
5015	18676.72	8 35N	81 12E	83.0	186.6	3.232	-1.75	68.9	S0312	.04000	8.6914	0.4	A
9001	17865.52	63 48N	97 34E	77.4	194.6	1.484	11.55	42.0	S0312	.03070	9.4911	0.6	V
9002	17868.52	63 48N	97 33E	78.3	194.7	1.484	11.55	42.0	S0312	.03070	9.2683	0.6	A
9003	18124.72	46 31N	89 15E	73.9	189.4	2.390	-4.90	57.3	S0312	.03070	9.8212	0.4	A
9004	18154.12	44 11N	88 1E	79.5	189.1	2.181	-23.80	59.0	S0312	.02200	9.0950	0.8	F
9005	18159.72	44 12N	88 0E	79.2	189.0	2.390	-23.45	59.0	S0312	.02200	9.1775	1.0	A
9006	18186.32	42 12N	87 13E	83.6	188.8	2.181	-31.15	60.4	S0312	.02200	8.7731	0.8	V
9007	18189.32	42 12N	87 12E	84.4	188.7	2.390	-31.15	60.4	S0312	.02200	8.6163	0.8	A
9008	18526.12	18 45N	82 50E	78.0	186.9	3.092	-10.85	71.5	S0312	.03070	9.3838	0.4	V
9009	18528.92	18 46N	82 50E	79.0	186.9	3.092	-10.50	71.5	S0312	.03070	9.1610	0.6	A
317 5001	23306.92	54 54N	69 17E	80.1	191.3	1.690	-24.15	50.0	S0312	.04000	9.1619	0.4	V
5002	23309.92	54 54N	69 17E	80.9	191.2	1.690	-23.80	50.0	S0312	.04000	9.0050	0.4	A
5003	23525.12	39 48N	64 28E	86.4	188.5	2.181	-32.55	62.2	S0312	.02210	8.3695	0.6	F
5004	23528.92	39 44N	64 33E	83.0	188.4	2.390	-29.75	62.3	S0312	.02210	8.8482	0.4	V
5005	23532.32	39 43N	64 33E	83.5	188.4	2.390	-29.05	62.3	S0312	.02210	8.7327	0.6	A
5006	23640.72	32 10N	63 27E	75.4	187.7	2.881	-8.75	67.6	S0312	.03080	9.6489	0.4	A
9001	23185.92	63 8N	74 31E	76.2	194.4	1.484	2.10	42.6	S0312	.03070	9.5241	0.6	A
9002	23207.92	61 40N	73 31E	75.8	193.7	1.690	-0.35	44.0	S0312	.03070	9.5737	0.6	A
9003	23221.72	60 43N	71 28E	85.8	193.3	1.338	-30.45	44.7	S0312	.02200	8.5503	0.8	V
9004	23224.72	60 43N	71 27E	86.8	193.2	1.338	-30.45	44.7	S0312	.02200	8.3770	1.0	A
9005	23366.92	50 34N	68 21E	74.8	190.3	2.181	-8.40	53.9	S0312	.04070	9.7057	1.2	F
9006	23372.32	50 34N	68 21E	74.7	190.2	2.181	-8.05	53.9	S0312	.04070	9.7222	1.0	A
9007	23408.72	47 53N	67 37E	73.3	189.7	2.181	-4.20	56.2	S0312	.03070	10.0193	0.6	V
9008	23411.52	47 52N	67 36E	74.2	189.7	2.390	-4.20	56.2	S0312	.03070	9.7882	0.6	A
9009	23418.32	47 24N	67 29E	74.2	189.6	2.390	-3.15	56.6	S0312	.03070	9.7882	0.8	A
9010	23434.92	45 47N	67 50E	81.3	189.4	2.181	21.70	58.2	S0312	.03070	8.9712	1.0	F
9011	23440.72	45 48N	67 50E	81.7	189.3	2.037	22.40	58.2	S0312	.03070	8.8721	1.2	A
9012	23455.12	44 34N	66 15E	76.5	189.1	2.390	-16.45	58.4	S0312	.03070	9.4829	1.2	F
9013	23460.52	44 34N	66 15E	76.3	189.1	2.390	-15.75	58.8	S0312	.03070	9.5324	1.4	A
9014	23536.32	39 1N	64 32E	80.8	188.4	2.390	-25.20	62.9	S0312	.02200	8.9629	1.0	F
9015	23542.12	39 0N	64 32E	80.4	188.3	2.530	-24.50	62.9	S0312	.02200	9.0455	0.8	A
318 5001	28477.72	63 36N	53 40E	81.6	194.9	1.484	19.25	42.3	S0312	.03080	8.9060	0.4	F
5002	28543.92	59 23N	49 16E	79.8	192.8	1.484	-20.65	46.0	S0312	.04000	9.0711	0.6	F
5003	28583.72	56 39N	48 29E	75.8	191.9	1.826	-10.50	48.5	S0312	.04000	9.5663	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
318 5004	28586.52	56 38N	48 29E	74.9	191.8	1.826	-10.15	48.5	SO312	.04000	9.8057	1.6	V
5005	28590.32	56 34N	48 27E	75.8	191.8	1.826	-9.80	48.6	SO312	.04000	9.6076	0.6	A
5006	28630.92	53 40N	46 52E	78.0	191.0	1.826	-20.65	51.1	SO312	.04000	9.4177	0.6	V
5007	28633.92	53 40N	46 51E	78.9	190.9	1.826	-20.65	51.1	SO312	.04000	9.2279	0.4	A
5008	28654.32	51 53N	46 9E	80.0	190.6	1.826	-23.10	52.6	SO312	.03080	9.0463	0.8	F
5009	28657.32	51 53N	46 9E	79.0	190.5	1.826	-22.75	52.6	SO312	.04000	9.2939	0.6	V
5010	28693.92	49 12N	46 53E	81.2	190.0	2.037	22.75	55.3	SO312	.03080	9.0546	0.6	V
5011	28696.92	49 12N	46 53E	82.5	189.9	2.037	23.10	55.3	SO312	.03080	8.8070	0.6	A
5012	28757.12	44 52N	44 2E	79.1	189.2	2.181	-22.40	58.5	SO312	.03080	9.1536	0.6	F
5013	28759.92	44 52N	44 2E	78.1	189.2	2.181	-22.05	58.5	SO312	.03080	9.4012	0.6	V
5014	28769.32	43 56N	44 42E	75.2	189.1	2.390	7.00	59.6	SO312	.02210	9.6736	0.4	F
5015	28771.92	43 56N	44 42E	74.5	189.0	2.390	7.35	59.6	SO312	.02210	9.8717	0.4	V
5016	28781.32	43 13N	45 11E	85.1	188.9	2.181	28.00	60.4	SO312	.01660	8.6501	0.6	V
5017	28784.52	43 12N	45 11E	86.5	188.9	2.181	28.35	60.4	SO312	.01660	8.3943	0.6	A
5018	28806.12	41 30N	44 48E	87.5	188.7	2.181	30.45	61.8	SO312	.01660	8.4190	1.0	V
5019	28809.32	41 30N	44 48E	89.0	188.7	2.181	30.80	61.8	SO312	.01660	8.1631	1.0	A
5020	28871.72	36 54N	42 60E	76.9	188.2	2.738	11.90	64.9	SO312	.03080	9.4755	0.6	F
5021	28874.72	36 52N	42 60E	76.3	188.1	2.530	12.60	64.9	SO312	.03080	9.6406	0.4	V
5022	29083.72	22 23N	39 6E	80.7	187.0	3.092	-19.25	71.1	SO312	.04000	8.9803	0.8	F
5023	29095.12	21 35N	39 8E	78.6	187.0	3.092	-12.25	71.4	SO312	.04000	9.2197	0.6	F
5024	29097.92	21 35N	39 7E	77.8	187.0	3.092	-11.90	71.4	SO312	.04000	9.4260	0.6	V
5025	29761.52	23 54S	31 10E	103.0	187.1	3.092	-1.75	43.6	SO312	.03080	7.0158	0.6	V
5026	29765.32	23 54S	31 9E	104.6	187.1	3.092	-1.40	43.6	SO312	.03080	6.8177	0.8	A
5027	29774.52	24 30S	30 55E	104.6	187.2	3.092	-4.90	43.0	SO312	.03080	6.8177	0.8	A
5028	29830.52	28 31S	29 46E	108.6	187.4	3.092	-14.35	39.2	SO312	.03080	6.6361	0.8	V
5029	29834.52	28 31S	29 46E	110.2	187.4	3.092	-14.00	39.2	SO312	.03080	6.4711	0.8	A
9001	28482.12	63 32N	53 19E	78.2	194.7	1.484	14.00	42.3	SO312	.04070	9.3921	0.6	V
9002	28506.72	61 52N	50 45E	78.5	193.9	1.484	-16.45	43.8	SO312	.04070	9.2188	0.8	F
9003	28514.32	61 43N	50 50E	77.3	193.7	1.484	-12.60	43.9	SO312	.04070	9.4003	0.4	A
9004	28548.12	59 15N	49 28E	76.6	192.7	1.690	-15.05	46.2	SO312	.04070	9.5902	1.4	V
9005	28555.92	58 41N	49 38E	74.5	192.5	1.826	-4.90	46.7	SO312	.04070	9.8625	0.6	V
9006	28558.72	58 40N	49 38E	75.3	192.5	1.826	-4.55	46.7	SO312	.04070	9.6479	1.0	A
9007	28662.32	51 32N	45 59E	79.6	190.4	1.826	-23.80	52.9	SO312	.03070	9.2270	0.8	V
9008	28665.32	51 32N	45 58E	80.6	190.4	2.037	-24.15	52.9	SO312	.03070	9.0290	0.6	A
9009	28669.52	51 13N	46 2E	78.4	190.3	2.037	-19.95	53.2	SO312	.03070	9.2848	0.8	A
9010	28701.72	48 31N	46 20E	77.6	189.9	2.037	14.35	55.8	SO312	.03070	9.3756	0.8	F
9011	28707.32	48 31N	46 20E	77.8	189.8	2.181	14.70	55.8	SO312	.03070	9.3261	0.8	A
9012	28798.12	41 51N	44 45E	84.7	188.8	2.390	26.25	61.4	SO312	.03070	8.5998	0.8	F
9013	28801.12	41 51N	44 45E	83.9	188.7	2.181	26.60	61.4	SO312	.03070	8.7731	0.8	V
9014	28811.32	41 22N	44 46E	88.8	188.7	2.181	30.80	61.9	SO312	.03070	8.1624	0.6	A
9015	28815.72	40 51N	44 29E	84.0	188.6	2.181	27.30	62.2	SO312	.03070	8.7649	0.8	V
9016	28818.92	40 51N	44 29E	85.3	188.6	2.181	27.65	62.2	SO312	.03070	8.4925	0.6	A
9017	28823.72	40 18N	44 21E	84.5	188.5	2.181	27.65	62.6	SO312	.03070	8.7153	0.6	V
9018	28828.12	40 14N	44 10E	82.3	188.5	2.181	23.45	62.6	SO312	.03070	8.8061	1.0	A
9019	28885.92	36 20N	42 24E	74.7	188.1	2.738	-3.85	65.1	SO312	.02200	9.7222	1.0	A
9020	28892.52	35 54N	42 9E	75.2	188.0	2.738	-9.45	65.3	SO312	.02200	9.6479	1.0	A
9021	29103.32	21 24N	39 11E	78.2	187.0	3.092	-7.35	71.5	SO312	.03070	9.2683	1.0	A
9022	29233.12	12 18N	37 15E	83.2	186.7	3.232	-18.20	70.1	SO312	.03070	8.7979	0.6	V
9023	29236.12	12 18N	37 15E	84.1	186.7	3.232	-17.85	70.1	SO312	.03070	8.5998	0.8	A
9024	29419.52	0 20S	35 16E	87.2	186.5	3.439	-8.05	63.3	SO312	.03070	8.2532	1.6	A
9025	29613.52	13 56S	33 48E	106.0	186.7	2.530	23.45	52.9	SO312	.03070	6.8502	0.6	V
9026	29617.52	13 56S	33 48E	107.9	186.7	2.530	23.80	52.9	SO312	.02200	6.6026	0.6	A
9027	29627.92	14 49S	32 52E	96.0	186.7	3.232	-2.10	51.7	SO312	.03070	7.5517	1.0	V
9028	29631.52	14 49S	32 52E	97.5	186.7	3.232	-1.40	51.7	SO312	.03070	7.3288	1.0	A
9029	29701.72	20 1S	30 52E	116.1	186.9	3.092	-32.55	46.5	SO312	.02200	6.1487	0.6	F
9030	29705.92	20 1S	30 52E	114.7	186.9	3.092	-32.20	46.5	SO312	.03070	6.3137	0.6	V
9031	29738.52	22 41S	32 3E	110.0	187.0	2.738	17.50	45.0	SO312	.03070	6.5200	0.8	F
9032	29742.52	22 42S	32 4E	109.4	187.0	2.530	18.20	45.0	SO312	.03070	6.6108	0.8	V
9033	29795.92	26 17S	31 9E	108.7	187.3	2.738	11.90	41.6	SO312	.03070	6.6356	0.6	V
9034	29799.92	26 17S	31 9E	110.5	187.3	2.738	12.25	41.6	SO312	.03070	6.4128	0.8	A
319 5001	33706.52	69 8N	33 31E	81.3	198.3	0.995	-21.00	36.9	SO312	.05370	9.0216	0.6	V
5002	33709.52	69 8N	33 30E	82.3	198.2	0.995	-21.00	36.9	SO312	.05370	8.8400	0.6	A
5003	33720.12	68 8N	33 32E	76.5	197.6	1.135	-7.70	37.9	SO312	.04000	9.5911	0.6	V
5004	33722.92	68 8N	33 32E	77.4	197.5	1.338	-7.70	37.9	SO312	.04000	9.4012	0.6	A
5005	33823.32	61 5N	30 11E	82.9	193.6	1.484	23.80	44.7	SO312	.04000	8.8730	0.6	V
5006	33828.12	60 44N	30 9E	85.0	193.4	1.484	26.60	45.0	SO312	.04000	8.6584	0.6	V
5007	33831.12	60 45N	30 8E	86.0	193.3	1.484	26.60	45.0	SO312	.04000	8.4520	0.6	A
5008	33865.92	58 26N	26 47E	78.0	192.4	1.690	-19.25	46.9	SO312	.04000	9.4095	0.6	V
5009	33868.72	58 27N	26 47E	78.8	192.4	1.690	-18.90	46.9	SO312	.04000	9.2362	0.6	A
5010	33889.92	56 49N	26 5E	77.6	191.9	1.690	-18.90	48.4	SO312	.04000	9.4590	0.4	V
5011	33892.72	56 49N	26 5E	78.4	191.8	1.690	-18.55	48.4	SO312	.04000	9.2857	0.6	A
5012	33902.92	55 38N	26 35E	75.4	191.6	1.826	5.25	49.6	SO312	.04000	9.6489	0.6	F
5013	33908.52	55 11N	26 54E	79.5	191.5	1.826	17.85	50.0	SO312	.04000	9.1454	0.6	F
5014	33911.32	55 12N	26 54E	78.7	191.4	1.826	17.85	50.0	SO312	.04000	9.3352	1.2	V
5015	33914.92	55 9N	26 53E	80.0	191.4	1.826	18.55	50.1	SO312	.04000	9.0958	0.8	A
5016	33921.72	54 32N	26 13E	75.0	191.2	1.826	8.05	50.6	SO312	.04000	9.7974	0.6	V
5017	33924.52	54 32N	26 13E	76.0	191.2	1.826	8.40	50.6	SO312	.04000	9.5581	0.4	A
5018	33930.52	53 49N	25 21E	75.0	191.1	2.037	-7.70	51.1	SO312	.04000	9.6901	0.6	F
5019	33940.32	53 2N	26 0E	79.2	190.9	2.037	17.50	52.0	SO312	.04000	9.1949	0.6	F
5020	33943.12	53 2N	25 59E	78.2	190.8	1.826	17.50	52.0	SO312	.04000	9.3930	0.6	V
5021	33951.32	52 35N	24 54E	73.9	190.7	2.037	-7.00	52.2	SO312	.04000	9.9377	0.6	V
5022	33954.12	52 35N	24 53E	74.8	190.7	2.037	-7.00	52.2	SO312	.04000	9.7231	0.4	A
5023	33960.32	51 51N	24 1E	80.1	190.6	1.826	-23.45	52.7	SO312	.03080	9.0628	0.6	F
5024	33965.32	51 54N	24 3E	79.7	190.5	2.037	-22.75	52.6	SO312	.03080	9.1371	0.6	A
5025	33972.32	50 58N	24 27E	74.4	190.4	2.181	-3.50	53.6	SO312	.04000	9.7644	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
319 5026	33977.72	50 57N	24 27E	74.5	190.3	2.181	-2.80	53.6	SO312	.04000	9.7644	0.6	A
5027	33981.72	50 30N	24 21E	73.5	190.2	2.181	-1.40	54.0	SO312	.04000	10.0038	0.8	V
5028	33988.72	50 5N	23 38E	76.4	190.1	2.037	-18.20	54.2	SO312	.04000	9.6076	0.6	V
5029	33991.52	50 5N	23 38E	77.3	190.1	2.037	-17.85	54.2	SO312	.04000	9.4260	0.6	A
5030	33997.32	49 16N	23 47E	74.4	190.0	2.181	-6.65	55.0	SO312	.04000	9.7562	0.6	F
5031	34002.52	49 17N	23 48E	74.4	189.9	2.181	-5.60	55.0	SO312	.04000	9.7644	0.6	A
5032	34024.52	47 50N	22 53E	77.7	189.6	2.181	-18.90	56.1	SO312	.03080	9.3847	0.6	A
5033	34029.92	47 14N	23 4E	73.7	189.6	2.181	-8.40	56.7	SO312	.04000	9.9625	0.6	V
5034	34032.72	47 13N	23 4E	74.7	189.5	2.390	-8.40	56.7	SO312	.04000	9.7479	0.6	A
5035	34038.52	46 42N	22 23E	79.0	189.5	2.181	-23.80	57.0	SO312	.03080	9.3104	0.6	V
5036	34041.52	46 42N	22 22E	80.0	189.4	2.181	-23.80	57.0	SO312	.03080	9.1206	0.4	A
5037	34050.52	45 57N	23 7E	74.7	189.3	2.181	5.95	57.4	SO312	.03080	9.7314	0.4	A
5038	34057.32	45 4N	23 18E	79.6	189.3	2.181	18.90	58.8	SO312	.03080	9.1701	0.4	F
5039	34060.12	45 4N	23 18E	78.9	189.2	2.181	19.25	58.8	SO312	.03080	9.3270	0.4	V
5040	34066.92	44 40N	22 39E	73.7	189.1	2.390	2.80	58.9	SO312	.04000	9.9708	0.6	V
5041	34069.72	44 39N	22 39E	74.7	189.1	2.390	3.15	59.0	SO312	.03080	9.7314	0.6	A
5042	34080.72	43 38N	21 2E	90.5	189.0	1.826	-36.40	59.3	SO312	.01660	7.9898	0.6	F
5043	34083.92	43 38N	21 2E	89.3	189.0	2.037	-36.40	59.3	SO312	.01660	8.2292	0.6	V
5044	34090.32	43 19N	21 17E	81.1	188.9	2.181	-27.30	59.8	SO312	.03080	9.0546	0.4	V
5045	34093.32	43 19N	21 16E	82.0	188.9	2.390	-27.30	59.8	SO312	.03080	8.8895	0.4	A
5046	34106.72	42 2N	20 59E	81.1	188.7	2.181	-27.30	60.7	SO312	.03080	9.0546	0.4	V
5047	34109.72	42 2N	20 59E	82.0	188.7	2.390	-27.30	60.7	SO312	.03080	8.8977	0.4	A
5048	34126.92	40 38N	20 47E	78.2	188.6	2.390	-23.10	61.8	SO312	.03080	9.3930	0.6	V
5049	34129.72	40 38N	20 47E	79.1	188.5	2.390	-22.75	61.8	SO312	.03080	9.2197	0.6	A
5050	34783.72	4 45S	11 50E	99.5	186.5	3.232	-28.00	59.5	SO312	.03080	7.2139	0.4	F
5051	34790.92	4 45S	11 51E	99.1	186.5	3.439	-26.95	59.5	SO312	.03080	7.2800	0.4	A
9001	33698.92	69 23N	34 15E	79.4	198.8	0.995	-14.35	36.7	SO312	.04070	9.1199	0.4	F
9002	33701.72	69 23N	34 15E	78.5	198.8	0.995	-14.35	36.7	SO312	.04070	9.3508	0.4	V
9003	33706.32	69 8N	33 32E	81.3	198.3	0.995	-21.00	36.9	SO312	.05390	9.0207	0.8	V
9004	33709.32	69 8N	33 31E	82.2	198.2	0.995	-21.00	36.9	SO312	.05390	8.8391	0.8	A
9005	33714.72	68 32N	33 25E	78.4	197.9	1.135	-15.05	37.5	SO312	.04070	9.3508	0.6	V
9006	33719.72	68 9N	33 33E	76.5	197.6	1.135	-7.70	37.9	SO312	.04070	9.5902	0.2	V
9007	33727.72	67 29N	32 31E	79.2	197.2	1.135	-15.05	38.5	SO312	.04070	9.1362	0.6	F
9008	33737.52	66 34N	34 7E	84.4	196.7	1.484	22.75	39.5	SO312	.04070	8.5998	1.2	F
9009	33743.52	66 35N	34 7E	84.6	196.5	1.135	23.45	39.5	SO312	.04070	8.5585	1.2	A
9010	33816.32	61 26N	29 49E	78.2	193.8	1.690	12.60	44.3	SO312	.04070	9.2931	0.4	F
9011	33837.52	59 49N	30 11E	94.9	193.2	1.484	35.35	45.4	SO312	.03070	7.6920	0.8	F
9012	33844.32	59 49N	30 10E	95.1	193.0	1.338	35.70	45.4	SO312	.03070	7.6094	0.8	A
9013	33852.72	59 22N	28 38E	77.8	192.8	1.690	12.60	46.2	SO312	.04070	9.3261	0.4	A
9014	33857.92	58 52N	28 1E	74.8	192.6	1.690	4.20	46.6	SO312	.04070	9.8212	0.6	V
9015	33873.92	57 51N	26 51E	75.4	192.2	1.690	-11.90	47.5	SO312	.04070	9.7387	1.6	V
9016	33879.72	57 27N	26 51E	74.5	192.1	1.690	-7.35	47.9	SO312	.04070	9.8625	0.6	V
9017	33883.52	57 23N	26 46E	75.5	192.0	1.690	-8.40	47.9	SO312	.04070	9.6149	0.6	A
9018	33996.92	49 17N	23 47E	74.4	190.0	2.181	-6.65	55.0	SO312	.04070	9.7552	1.0	F
9019	34002.32	49 17N	23 48E	74.4	189.9	2.181	-5.60	55.0	SO312	.04070	9.7635	0.8	A
9020	34024.72	47 49N	22 53E	77.6	189.6	2.181	-18.90	56.1	SO312	.03070	9.3838	0.6	A
9021	34098.52	42 36N	21 3E	82.8	188.8	2.181	-29.75	60.2	SO312	.02200	8.8639	0.6	V
9022	34101.52	42 36N	21 2E	83.6	188.8	2.390	-29.75	60.2	SO312	.02200	8.7071	0.6	A
9023	34117.52	41 6N	20 33E	86.6	188.6	2.037	-32.90	61.3	SO312	.03070	8.3522	0.6	F
9024	34120.72	41 6N	20 33E	85.3	188.6	2.037	-32.55	61.3	SO312	.03070	8.6081	0.4	V
9025	34245.32	32 9N	20 5E	82.9	187.7	2.530	22.05	68.1	SO312	.03070	8.7979	0.8	F
9026	34248.32	32 9N	20 5E	82.3	187.7	2.530	22.40	68.1	SO312	.03070	8.9382	1.8	V
9027	34252.32	32 5N	20 4E	83.6	187.7	2.530	22.75	68.2	SO312	.03070	8.6493	0.8	A
9028	34540.52	12 10N	15 3E	84.4	186.7	3.232	-21.00	70.0	SO312	.03070	8.6656	0.6	V
9029	34543.72	12 9N	15 3E	85.2	186.6	3.232	-20.30	70.0	SO312	.03070	8.4925	0.8	A
9030	34787.12	4 45S	11 52E	97.6	186.5	3.232	-26.60	59.5	SO312	.03070	7.4526	0.6	V
9031	34790.72	4 45S	11 51E	99.0	186.5	3.439	-26.95	59.5	SO312	.02200	7.2793	0.6	A
9032	34798.72	5 52S	12 26E	91.0	186.5	3.232	0.35	59.2	SO312	.03070	7.9231	0.6	F
9033	34801.92	5 51S	12 27E	90.2	186.5	3.232	1.05	59.2	SO312	.03070	8.0716	0.6	V
9034	34805.12	6 4S	12 28E	90.3	186.5	3.232	0.35	59.0	SO312	.03070	8.0551	1.0	V
9035	34808.52	6 5S	12 28E	91.6	186.5	3.232	0.70	59.0	SO312	.03070	7.8240	1.0	A
320 5001	39306.72	49 9N	1 31E	74.1	189.9	2.181	-9.80	55.1	SO312	.04000	9.9130	0.6	V
5002	39309.52	49 8N	1 31E	75.0	189.9	2.181	-9.45	55.1	SO312	.04000	9.6984	0.6	A
5003	39560.12	31 41N	2 15W	79.5	187.6	2.530	18.55	68.3	SO312	.01660	9.2444	0.8	V
5004	39563.12	31 41N	2 15W	80.8	187.6	2.530	18.90	68.4	SO312	.01660	8.9803	0.6	A
9001	39276.72	51 8N	2 40E	74.0	190.4	2.037	4.20	53.5	SO312	.04070	9.9285	1.0	V
9002	39354.52	45 43N	0 14E	76.9	189.3	2.181	-17.15	57.9	SO312	.03070	9.4251	0.8	F
9003	39359.92	45 43N	0 14E	76.7	189.3	2.390	-16.80	57.9	SO312	.03070	9.4746	1.0	A
9004	39392.72	43 16N	0 17W	74.5	188.9	2.390	-11.90	59.9	SO312	.02200	9.8708	0.6	V
9005	39395.52	43 16N	0 17W	75.3	188.9	2.390	-11.55	59.9	SO312	.02200	9.6479	0.6	A
9006	39513.32	34 40N	1 22W	83.4	187.9	2.530	24.15	66.6	SO312	.03070	8.7484	0.6	F
9007	39516.32	34 40N	1 23W	82.8	187.9	2.530	24.50	66.6	SO312	.03070	8.8804	1.4	V
9008	39519.92	34 38N	1 24W	83.8	187.9	2.530	24.50	66.7	SO312	.03070	8.6411	0.8	A
321 9001	45386.52	3 49S	32 25W	104.7	186.5	3.439	-33.95	60.1	SO312	.02200	6.8832	1.4	A
322 5001	50844.32	14 21S	56 24W	110.6	186.7	3.439	-31.85	51.5	SO312	.02210	6.5041	1.0	A
5002	50999.52	25 16S	57 40W	104.0	187.2	3.092	-6.30	42.2	SO312	.03080	6.9498	0.8	V
5003	51003.72	25 17S	57 40W	105.6	187.2	3.092	-5.60	42.2	SO312	.03080	6.7600	0.6	A
5004	51009.12	26 8S	58 10W	108.3	187.2	3.092	-16.10	41.3	SO312	.03080	6.6031	0.6	F
5005	51019.52	26 51S	58 19W	108.9	187.3	3.092	-16.10	40.6	SO312	.03080	6.5619	1.0	F
5006	51023.52	26 51S	58 17W	107.4	187.3	3.092	-14.70	40.6	SO312	.03080	6.7269	0.8	V

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
322 5007	51046.52	28 6S	58 44W	112.3	187.4	3.232	-19.25	39.4	SO312	.03080	6.3555	0.8	A
5008	51115.92	33 20S	60 11W	121.0	187.8	2.881	-25.55	34.4	SO312	.03080	5.8768	0.8	F
5009	51132.52	34 39S	58 38W	121.2	187.9	2.390	19.25	34.0	SO312	.03080	5.8933	0.8	F
5010	51136.92	34 39S	58 38W	120.6	187.9	2.181	19.95	34.0	SO312	.03080	5.9676	0.6	V
5011	51141.52	34 39S	58 44W	121.0	187.9	2.181	18.20	33.9	SO312	.02210	5.8520	0.8	A
5012	51152.12	35 46S	60 38W	120.4	188.0	2.738	-22.05	32.2	SO312	.03080	5.9098	0.8	F
5013	51165.32	36 46S	59 51W	114.5	188.1	2.738	1.75	31.7	SO312	.03080	6.2317	0.6	F
5014	51172.52	36 59S	59 44W	114.7	188.1	2.530	6.30	31.5	SO312	.03080	6.2647	0.6	V
5015	51176.92	36 60S	59 45W	116.6	188.2	2.530	6.65	31.5	SO312	.03080	6.0749	0.6	A
5016	51179.32	37 9S	59 47W	116.7	188.2	2.530	6.65	31.4	SO312	.03080	6.0749	1.0	A
5017	51197.72	38 22S	60 19W	116.5	188.3	2.530	1.05	30.2	SO312	.03080	6.0831	1.0	A
5018	51202.52	38 43S	60 6W	118.5	188.4	2.530	7.70	29.9	SO312	.03080	5.9758	0.6	A
9001	50554.12	4 58N	52 20W	85.8	186.5	3.439	-14.35	66.6	SO312	.03070	8.4182	0.6	F
9002	50558.52	4 52N	52 22W	85.0	186.5	3.439	-14.00	66.6	SO312	.03070	8.5915	1.4	V
9003	50562.52	4 49N	52 24W	86.5	186.5	3.439	-15.05	66.5	SO312	.03070	8.3440	0.6	A
9004	50765.92	9 21S	54 55W	94.0	186.6	3.439	-15.75	56.0	SO312	.03070	7.7332	0.6	V
9005	50769.32	9 20S	54 55W	95.1	186.6	3.439	-15.05	56.1	SO312	.03070	7.5517	0.6	A
9006	50861.72	15 38S	56 7W	100.3	186.8	3.439	-16.10	50.7	SO312	.03070	7.1473	1.0	A
9007	50882.72	17 1S	56 35W	104.7	186.8	3.439	-22.40	49.3	SO312	.03070	6.8419	1.4	A
9008	50926.32	20 25S	55 45W	110.8	186.9	2.530	22.75	47.1	SO312	.03070	6.5365	1.4	V
9009	50932.92	21 9S	55 49W	113.8	187.0	2.530	24.15	46.5	SO312	.03070	6.3302	1.4	F
9010	50947.32	22 3S	56 32W	104.3	187.0	2.881	8.75	45.4	SO312	.03070	6.8832	1.4	F
9011	50958.32	22 24S	57 49W	111.6	187.0	3.232	-27.30	44.5	SO312	.03070	6.4705	1.4	V
9012	50965.32	22 35S	57 50W	112.3	187.1	3.439	-26.25	44.3	SO312	.03070	6.3715	1.4	A
9013	50994.32	25 11S	57 31W	104.7	187.2	3.092	-2.80	42.3	SO312	.03070	6.8337	2.0	F
9014	51013.32	26 10S	58 14W	107.9	187.2	3.092	-17.15	41.2	SO312	.03070	6.6934	1.4	V
9015	51029.52	27 30S	58 50W	115.7	187.3	3.092	-25.55	39.8	SO312	.03070	6.1652	0.6	F
9016	51033.32	27 28S	58 57W	117.2	187.3	3.092	-28.35	39.8	SO312	.03070	6.1569	0.6	V
9017	51037.32	27 26S	58 59W	119.3	187.4	3.092	-28.70	39.8	SO312	.03070	5.9836	1.4	A
9018	51100.72	31 33S	60 40W	143.9	187.7	3.092	-42.00	35.7	SO312	.02200	4.9602	1.4	A
9019	51122.52	33 34S	59 32W	111.1	187.8	2.881	-8.40	34.5	SO312	.03070	6.4705	1.4	V
9020	51156.72	35 31S	60 27W	118.5	188.0	2.738	-18.55	32.5	SO312	.03070	5.9919	1.4	A
9021	51164.32	36 42S	59 51W	114.5	188.1	2.738	1.75	31.7	SO312	.03070	6.2312	1.4	F
323 5001	55929.12	0 8S	74 14W	99.8	186.5	2.738	26.25	64.1	SO312	.02210	7.2717	0.8	F
5002	56021.32	5 53S	76 6W	91.1	186.5	3.439	-4.20	59.1	SO312	.04000	7.8990	0.4	A
9001	55659.92	18 34N	72 21W	86.5	186.9	2.881	-27.30	71.1	SO312	.03070	8.3522	0.4	F
9002	55666.12	18 34N	72 21W	86.1	186.8	3.092	-26.60	71.2	SO312	.03070	8.4347	0.4	A
9003	55804.92	8 45N	73 43W	82.5	186.6	3.232	-11.55	68.8	SO312	.03070	8.8639	0.6	V
9004	55810.92	8 19N	73 38W	81.9	186.6	3.232	-5.25	68.7	SO312	.03070	8.9299	0.8	V
9005	55815.12	8 14N	73 36W	82.9	186.6	3.232	-3.15	68.7	SO312	.03070	8.6988	1.2	A
9006	55841.72	6 29N	74 25W	88.9	186.5	3.439	-22.75	67.3	SO312	.03070	8.1294	0.6	A
9007	55848.52	6 0N	74 27W	88.2	186.5	3.439	-21.00	67.1	SO312	.03070	8.1871	1.4	A
9008	55860.52	4 41N	74 3W	85.0	186.5	3.232	3.50	66.8	SO312	.03070	8.5173	0.6	F
9009	55863.52	4 41N	74 3W	82.9	186.5	3.232	3.85	66.8	SO312	.03070	8.8226	1.2	V
9010	55867.52	4 37N	74 4W	84.1	186.5	3.232	3.85	66.8	SO312	.03070	8.5668	0.6	A
9011	55937.32	0 11S	74 46W	89.5	186.5	3.092	9.10	63.7	SO312	.03070	8.0221	1.4	A
9012	55977.92	2 47S	76 26W	104.5	186.5	3.439	-34.65	60.8	SO312	.02200	6.9079	1.4	A
9013	56103.72	12 1S	77 0W	94.9	186.6	3.232	1.40	54.1	SO312	.03070	7.5847	0.8	F
9014	56107.12	12 1S	77 1W	94.1	186.6	3.232	1.75	54.1	SO312	.03070	7.7167	0.8	V
9015	56116.12	12 25S	76 45W	99.7	186.7	2.881	13.65	54.0	SO312	.03070	7.1638	0.6	A
324 5001	60696.52	36 48N	89 56W	74.6	188.1	2.738	0.35	64.9	SO312	.02210	9.7479	0.6	F
5002	60701.92	36 48N	89 56W	74.9	188.1	2.738	1.40	64.9	SO312	.02210	9.6984	0.6	A
9001	60696.52	36 48N	89 56W	74.7	188.1	2.738	0.35	64.9	SO312	.02200	9.7470	0.6	F
9002	60701.72	36 49N	89 56W	74.9	188.1	2.738	1.40	64.9	SO312	.02200	9.6974	0.6	A
329 9001	423.12	64 42N	170 27E	77.2	195.4	1.484	4.20	41.4	SO312	.03070	9.4003	0.8	F
9002	428.72	64 41N	170 26E	77.1	195.2	1.338	4.55	41.4	SO312	.03070	9.4086	0.8	A
330 5001	5902.52	53 39N	142 56E	78.3	191.0	2.181	14.70	51.6	SO312	.02210	9.2857	0.6	A
9001	5925.52	51 46N	141 42E	74.7	190.6	2.181	0.00	53.1	SO312	.04070	9.7305	1.0	F
9002	5930.92	51 46N	141 42E	74.7	190.5	2.181	0.70	53.1	SO312	.04070	9.7222	0.8	A
9003	5942.32	50 55N	142 11E	82.0	190.3	1.826	22.40	54.1	SO312	.03070	8.8556	0.4	A
9004	5962.92	49 17N	140 15E	76.9	190.0	2.037	-16.80	55.1	SO312	.03070	9.4251	0.6	F
9005	5965.72	49 16N	140 15E	75.9	190.0	2.037	-16.45	55.1	SO312	.03070	9.6809	1.2	V
9006	5969.12	49 14N	140 14E	76.8	189.9	2.037	-16.10	55.2	SO312	.03070	9.4746	0.6	A
331 5001	11276.52	49 29N	117 32E	86.5	189.9	2.037	-32.90	54.8	SO312	.02210	8.4190	0.4	A
5002	11340.32	44 53N	116 23E	82.1	189.2	2.037	-29.05	58.6	SO312	.02210	8.9473	0.4	V
5003	11358.52	43 16N	117 33E	80.2	189.0	2.390	20.65	60.5	SO312	.02210	9.0793	0.4	F
5004	11362.52	43 23N	117 44E	83.3	188.9	2.181	25.90	60.4	SO312	.03080	8.7162	0.4	A
5005	11374.72	42 14N	116 47E	74.3	188.8	2.530	5.95	61.1	SO312	.03080	9.7974	0.6	F
5006	11383.92	41 41N	115 42E	80.0	188.7	2.181	-25.20	61.2	SO312	.03080	9.0463	0.4	F
5007	11400.12	40 31N	116 4E	73.9	188.6	2.530	-3.15	62.3	SO312	.03080	9.8304	0.4	F
5008	11402.72	40 31N	116 4E	73.1	188.6	2.530	-2.80	62.3	SO312	.03080	10.0451	0.4	V
5009	11421.52	39 16N	115 27E	74.9	188.4	2.530	-13.65	63.0	SO312	.03080	9.7974	0.4	V
5010	11429.12	38 45N	115 10E	76.6	188.3	2.530	-18.55	63.4	SO312	.02210	9.5746	0.4	V
5011	11446.92	37 47N	114 32E	84.8	188.2	2.390	-30.45	63.9	SO312	.02210	8.5923	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
331 5012	11450.72	37 6N	114 28E	83.3	188.2	2.390	-28.70	64.4	SO312	.02210	8.6914	0.6	F
5013	11453.52	36 55N	114 26E	83.1	188.1	2.390	-28.35	64.5	SO312	.02210	8.7162	0.8	F
5014	11459.32	36 55N	114 26E	82.7	188.1	2.530	-27.65	64.5	SO312	.02210	8.8070	1.0	A
5015	11463.52	36 38N	114 24E	82.0	188.1	2.530	-26.60	64.7	SO312	.02210	8.8730	0.4	A
5016	11467.32	36 9N	114 21E	80.1	188.0	2.530	-25.20	65.1	SO312	.03080	9.1536	0.4	V
5017	11510.72	32 57N	113 51E	78.1	187.8	2.738	-18.90	67.2	SO312	.02210	9.2774	0.6	F
5018	11514.52	32 52N	113 54E	75.9	187.7	2.738	-16.10	67.3	SO312	.03080	9.6736	0.4	V
5019	11520.32	32 38N	114 6E	75.3	187.7	2.881	-6.30	67.6	SO312	.02210	9.6489	1.6	A
5020	11524.52	32 9N	114 2E	74.4	187.7	2.881	-5.25	67.8	SO312	.03080	9.8717	0.6	V
5021	11528.92	31 50N	114 6E	74.1	187.7	2.881	-0.35	68.1	SO312	.03080	9.9130	0.6	V
5022	11534.32	31 17N	113 60E	75.4	187.6	2.881	0.35	68.4	SO312	.02210	9.6489	0.6	F
5023	11546.72	30 33N	114 17E	79.6	187.6	2.738	17.50	69.1	SO312	.04000	9.2197	0.6	V
5024	11549.72	30 33N	114 18E	80.9	187.5	2.530	18.20	69.1	SO312	.04000	8.9555	0.6	A
5025	11564.32	29 15N	113 10E	77.5	187.5	2.881	-15.40	69.2	SO312	.03080	9.3600	0.6	F
5026	11567.12	29 15N	113 10E	76.6	187.5	2.881	-15.05	69.2	SO312	.03080	9.5826	0.4	V
5027	11586.72	27 54N	112 54E	76.8	187.4	2.881	-14.70	69.8	SO312	.03080	9.5581	0.6	V
5028	11589.52	27 54N	112 54E	77.6	187.3	3.092	-14.35	69.8	SO312	.03080	9.3642	0.6	A
5029	11607.92	26 36N	112 54E	76.4	187.3	3.092	-3.85	70.5	SO312	.02210	9.5003	0.6	A
5030	11614.72	25 55N	113 3E	76.8	187.2	2.881	7.70	70.9	SO312	.03080	9.5581	0.4	V
5031	11617.52	25 55N	113 4E	78.0	187.2	2.881	8.40	70.9	SO312	.03080	9.2939	0.4	A
5032	11623.12	25 31N	112 59E	78.0	187.2	2.881	8.75	71.1	SO312	.03080	9.3022	0.4	A
5033	11646.52	23 26N	113 9E	90.0	187.1	2.530	28.35	72.1	SO312	.02210	8.1054	0.6	F
5034	12078.12	6 8S	106 51E	91.6	186.5	3.439	-9.10	58.7	SO312	.02210	7.8742	0.4	F
5035	12081.32	6 8S	106 51E	90.7	186.5	3.439	-8.40	58.7	SO312	.02210	8.0311	0.4	V
5036	12086.32	6 15S	106 54E	91.8	186.5	3.439	-5.60	58.7	SO312	.02210	7.8330	0.6	A
9001	11257.52	50 31N	120 9E	84.7	190.2	1.826	26.35	54.5	SO312	.02200	8.5668	0.4	A
9002	11347.72	44 28N	117 4E	73.8	189.1	2.390	-4.90	59.2	SO312	.03070	9.8377	0.4	A
9003	11393.12	41 7N	116 38E	75.2	188.6	2.530	11.20	62.0	SO312	.03070	9.7717	0.4	V
9004	11408.92	39 53N	116 9E	75.1	188.5	2.530	5.60	62.9	SO312	.03070	9.6809	1.2	F
9005	11414.32	39 53N	116 9E	75.3	188.5	2.530	8.30	62.9	SO312	.03070	9.6232	1.2	A
9006	11425.72	39 11N	115 17E	77.3	188.4	2.530	-17.85	63.1	SO312	.02200	9.4086	0.8	A
9007	11435.92	38 8N	114 19E	92.9	188.3	2.181	-38.50	63.5	SO312	.02200	7.7580	0.6	F
9008	11440.32	38 2N	114 31E	86.0	188.2	2.181	-32.90	63.7	SO312	.03070	8.5255	0.4	V
9009	11443.52	38 2N	114 30E	86.9	188.2	2.390	-32.90	63.7	SO312	.03070	8.3852	0.4	A
9010	11473.12	35 58N	114 10E	84.0	188.0	2.530	-29.40	65.1	SO312	.03070	8.6493	1.0	A
9011	11479.92	35 33N	113 48E	91.0	188.0	2.390	-36.75	65.2	SO312	.02200	7.9973	1.2	A
9012	11492.72	34 13N	113 28E	93.0	187.9	2.181	-38.15	66.0	SO312	.02200	7.7497	0.8	F
9013	11496.32	34 14N	113 49E	83.6	187.8	2.738	-28.70	66.2	SO312	.02200	8.7071	0.8	A
9014	11504.12	33 25N	113 37E	84.5	187.8	2.530	-29.75	66.7	SO312	.03070	8.5420	0.4	F
9015	11514.92	32 51N	113 54E	76.3	187.7	2.738	-16.10	67.3	SO312	.02200	9.6727	0.8	V
9016	11528.92	31 50N	114 5E	74.1	187.7	2.881	-0.35	68.1	SO312	.03070	9.9120	1.0	V
9017	11541.72	31 6N	114 23E	80.3	187.6	2.530	17.50	68.8	SO312	.03070	9.0042	0.4	A
9018	11555.32	30 10N	114 8E	79.6	187.5	2.738	15.40	69.3	SO312	.03070	9.0785	0.4	A
9019	11579.32	28 14N	112 48E	79.9	187.4	2.881	-21.00	69.5	SO312	.03070	9.0537	0.4	F
9020	11582.12	28 14N	112 48E	78.9	187.4	2.881	-20.65	69.5	SO312	.03070	9.2931	0.4	V
9021	11595.52	27 18N	112 41E	77.5	187.3	2.881	-17.85	69.9	SO312	.03070	9.4581	0.4	V
9022	11599.72	26 49N	112 39E	78.3	187.3	2.881	-16.10	70.1	SO312	.03070	9.2518	0.4	F
9023	11602.52	26 49N	112 39E	77.3	187.3	2.881	-15.75	70.1	SO312	.03070	9.4829	0.4	V
9024	11631.32	24 57N	112 60E	79.1	187.2	2.881	13.65	71.4	SO312	.03070	9.1445	0.4	A
9025	11654.32	23 21N	112 47E	82.3	187.1	2.738	17.50	71.8	SO312	.03070	8.7731	0.6	A
9026	11680.52	21 36N	111 52E	77.6	187.0	3.232	-5.95	71.6	SO312	.03070	9.3261	0.4	A
9027	11818.12	12 2N	109 14E	97.6	186.6	2.881	-37.10	69.5	SO312	.02200	7.4774	1.0	V
9028	11821.72	12 2N	109 13E	98.7	186.6	3.092	-37.10	69.5	SO312	.01650	7.3536	1.0	A
9029	11989.52	0 0S	109 21E	116.0	186.5	2.037	39.20	64.5	SO312	.02200	6.2807	0.4	V
9030	11993.92	0 1S	109 20E	118.0	186.5	1.826	39.55	64.5	SO312	.02200	6.0579	0.4	A
9031	12077.92	6 8S	106 51E	91.6	186.5	3.439	-9.10	58.7	SO312	.03070	7.8735	0.6	F
9032	12081.12	6 7S	106 51E	90.6	186.5	3.439	-8.40	58.7	SO312	.03070	8.0303	0.8	V
9033	12087.92	6 22S	106 53E	91.8	186.5	3.439	-5.60	58.6	SO312	.03070	7.8158	0.8	A
332 5001	16682.32	42 51N	93 39E	84.4	188.8	2.390	-30.80	60.2	SO312	.03080	8.6419	0.4	A
5002	16954.12	23 50N	90 25E	76.7	187.1	3.092	3.15	71.4	SO312	.03080	9.5663	0.8	V
5003	16957.12	23 50N	90 24E	77.8	187.1	3.092	3.50	71.4	SO312	.03080	9.3187	0.6	A
5004	17859.52	37 50S	77 34E	124.9	188.2	2.738	-24.85	30.1	SO312	.03080	5.7447	0.6	V
5005	17864.32	37 51S	77 33E	126.6	188.3	2.738	-24.50	30.1	SO312	.03080	5.6127	0.6	A
9001	16718.72	40 9N	94 42E	83.7	188.5	2.181	25.55	63.0	SO312	.03070	8.6493	0.4	A
9002	16800.72	34 14N	92 27E	72.4	187.9	2.738	-2.80	66.7	SO312	.03070	10.0358	0.6	F
9003	16877.32	29 13N	90 40E	80.6	187.4	2.738	-28.70	68.9	SO312	.03070	9.1032	0.6	V
9004	18087.12	53 5S	73 44E	129.1	190.8	2.037	-5.95	15.9	SO312	.04070	5.5214	0.6	V
9005	18092.12	53 5S	73 43E	131.0	190.9	2.037	-5.95	15.9	SO312	.04070	5.3564	0.6	A
333 5001	21808.72	55 14N	75 60E	77.5	191.3	1.826	-16.45	50.0	SO312	.04000	9.3847	0.4	A
5002	21858.92	51 44N	75 21E	74.8	190.5	2.181	1.40	53.2	SO312	.04000	9.7231	0.6	A
5003	21924.52	46 56N	75 2E	92.6	189.5	1.826	35.35	57.7	SO312	.02210	7.9568	0.8	V
5004	21927.92	46 56N	75 1E	93.8	189.5	1.826	35.35	57.7	SO312	.02210	7.7422	0.8	A
5005	21979.32	43 14N	71 39E	84.6	188.9	2.037	-30.80	59.9	SO312	.03080	8.5511	0.4	F
5006	21983.72	43 8N	71 39E	83.2	188.9	2.037	-30.10	60.0	SO312	.03080	8.8235	0.4	V
5007	21987.92	42 53N	71 19E	89.0	188.9	2.037	-36.40	60.1	SO312	.02210	8.2457	0.6	V
5008	21991.12	42 53N	71 19E	89.8	188.8	2.037	-36.05	60.1	SO312	.02210	8.1219	0.6	A
5009	22013.12	40 47N	72 21E	76.7	188.6	2.530	12.25	62.3	SO312	.03080	9.5003	0.6	F
5010	22016.92	40 42N	72 24E	76.6	188.6	2.530	14.70	62.4	SO312	.02210	9.5993	0.6	V
5011	22066.52	37 30N	71 32E	76.7	188.2	2.530	14.00	64.8	SO312	.02210	9.4755	0.4	A
5012	22095.52	35 4N	71 22E	85.1	188.0	2.530	26.25	66.6	SO312	.02210	8.5841	0.8	F
5013	22098.52	35 4N	71 22E	84.5	188.0	2.530	26.60	66.6	SO312	.02210	8.7079	0.8	V
9001	21594.72	69 25N	86 11E	78.5	198.6	1.135	7.00	36.9	SO312	.03070	9.2435	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
333 9002	21937.92	45 57N	73 38E	75.0	189.4	2.390	6.30	58.2	SO312	.03070	9.6974	2.2	F
9003	21943.92	45 55N	73 37E	75.2	189.3	2.390	7.00	58.2	SO312	.03070	9.6397	1.6	A
9004	22005.92	41 11N	73 1E	85.9	188.7	2.181	28.70	62.2	SO312	.03070	8.5008	0.4	F
9005	22024.92	40 26N	71 31E	75.4	188.5	2.530	-12.60	62.3	SO312	.03070	9.6397	0.4	A
9006	22091.32	35 22N	71 20E	81.6	188.0	2.530	23.45	66.4	SO312	.03070	8.9464	0.8	F
9007	22106.12	34 26N	70 31E	74.9	187.9	2.738	2.10	66.6	SO312	.02200	9.7057	1.0	F
9008	22111.52	34 26N	70 30E	75.1	187.9	2.738	2.80	66.6	SO312	.02200	9.6479	1.0	A
9009	22122.12	33 38N	69 14E	87.6	187.8	2.390	-35.35	66.5	SO312	.02200	8.3770	1.0	V
9010	22125.32	33 38N	69 14E	88.3	187.8	2.390	-35.00	66.5	SO312	.02200	8.2367	1.0	A
334 5001	26895.72	69 46N	61 45E	88.9	199.0	0.787	-29.75	36.5	SO312	.02210	8.1219	0.4	F
5002	26899.32	69 44N	61 42E	87.9	198.8	0.787	-29.75	36.6	SO312	.02210	8.3282	0.4	V
5003	26902.52	69 44N	61 43E	88.8	198.6	0.995	-29.75	36.6	SO312	.02210	8.1962	0.4	A
5004	27087.72	57 4N	54 8E	82.6	191.9	1.484	-27.30	48.3	SO312	.04000	8.8977	0.6	V
5005	27090.72	57 4N	54 9E	83.2	191.9	1.690	-26.95	48.3	SO312	.04000	8.7492	0.6	A
5006	27098.52	56 17N	54 16E	77.1	191.7	1.690	-17.50	49.1	SO312	.04000	9.5168	0.4	V
5007	27101.32	56 17N	54 17E	77.9	191.7	1.690	-17.15	49.1	SO312	.04000	9.3435	0.6	A
5008	27118.72	54 41N	55 36E	87.4	191.3	1.690	30.10	50.9	SO312	.03080	8.4108	0.6	V
5009	27121.92	54 41N	55 37E	88.8	191.2	1.690	30.45	50.9	SO312	.03080	8.1714	0.6	A
5010	27266.12	44 40N	50 20E	77.7	189.2	2.181	-19.25	59.0	SO312	.03080	9.3187	0.6	F
5011	27268.92	44 40N	50 20E	76.8	189.1	2.181	-18.90	59.0	SO312	.03080	9.5663	0.6	V
5012	27272.32	44 37N	50 19E	77.5	189.1	2.390	-18.55	59.0	SO312	.03080	9.4012	0.4	A
5013	27342.52	39 37N	48 58E	77.6	188.4	2.390	-20.65	62.8	SO312	.03080	9.4590	0.4	V
5014	27353.12	38 53N	48 49E	77.3	188.3	2.390	-19.60	63.3	SO312	.03080	9.5085	0.6	V
5015	27357.92	38 45N	48 49E	77.7	188.3	2.390	-18.20	63.5	SO312	.03080	9.3765	0.6	A
5016	27749.52	11 37N	43 8E	89.4	186.6	3.092	-26.95	69.6	SO312	.03080	8.2704	0.4	V
5017	27752.72	11 38N	43 9E	89.2	186.6	3.092	-26.25	69.6	SO312	.03080	8.1384	0.4	A
5018	27961.92	2 55S	40 13E	106.5	186.5	3.092	-36.40	60.6	SO312	.02210	6.8425	0.4	V
5019	27965.92	2 56S	40 13E	107.2	186.5	3.092	-35.70	60.6	SO312	.02210	6.7435	0.4	A
9001	27047.52	59 26N	56 46E	76.3	192.9	1.690	6.30	46.4	SO312	.04070	9.5159	0.8	F
9002	27052.92	59 26N	56 45E	76.3	192.8	1.690	6.65	46.4	SO312	.04070	9.5076	0.8	A
9003	27068.72	58 1N	55 55E	75.6	192.4	1.826	3.15	47.7	SO312	.04070	9.6067	1.2	F
9004	27074.12	58 1N	55 54E	75.6	192.3	1.826	3.15	47.7	SO312	.04070	9.6067	1.8	A
9005	27076.52	57 52N	55 50E	75.5	192.2	1.826	3.15	47.8	SO312	.04070	9.6149	0.4	A
9006	27077.92	57 46N	55 47E	75.5	192.2	1.826	3.15	47.9	SO312	.04070	9.6232	0.4	A
9007	27150.32	52 34N	52 50E	77.7	190.7	1.826	-17.85	52.4	SO312	.04070	9.3261	0.8	F
9008	27155.72	52 35N	52 51E	77.5	190.6	2.037	-17.50	52.4	SO312	.04070	9.3838	1.0	A
9009	27163.72	51 40N	52 19E	80.0	190.5	1.826	-23.10	53.1	SO312	.03070	9.0455	1.0	F
9010	27169.52	51 40N	52 18E	79.9	190.4	2.037	-23.10	53.1	SO312	.03070	9.1032	0.8	A
9011	27327.52	40 23N	49 51E	74.7	188.6	2.530	2.45	62.5	SO312	.04070	9.7305	1.0	F
9012	27332.92	40 23N	49 51E	74.9	188.5	2.530	3.50	62.5	SO312	.04070	9.6809	1.0	A
9013	27347.12	39 7N	48 34E	83.8	188.4	2.181	-29.05	63.0	SO312	.03070	8.6576	0.4	F
9014	27556.52	24 59N	46 42E	80.6	187.2	2.738	15.05	71.4	SO312	.03070	8.9629	0.8	A
9015	27691.52	15 22N	44 13E	79.8	186.8	3.232	-12.60	71.1	SO312	.01650	9.0702	1.4	F
9016	27697.32	15 22N	44 13E	79.8	186.7	3.232	-11.55	71.2	SO312	.01650	9.0702	1.4	A
9017	27715.32	13 42N	44 9E	79.8	186.7	3.232	-2.80	70.9	SO312	.01650	9.0785	0.8	F
9018	27720.92	13 43N	44 9E	80.1	186.7	3.232	-1.75	71.0	SO312	.01650	9.0207	1.0	A
9019	27732.32	12 43N	44 8E	80.9	186.7	3.092	4.55	70.8	SO312	.03070	9.0455	1.0	V
9020	27735.52	12 42N	44 8E	82.1	186.7	3.092	4.90	70.8	SO312	.03070	8.7814	0.8	A
9021	27793.92	8 14N	43 34E	85.9	186.6	3.092	12.95	69.0	SO312	.03070	8.4430	0.6	F
9022	27796.92	8 14N	43 34E	85.2	186.6	3.092	13.30	69.0	SO312	.03070	8.5833	0.6	V
9023	27857.92	3 52N	42 34E	85.8	186.5	3.232	3.50	66.2	SO312	.03070	8.4347	1.4	F
9024	27864.12	3 52N	42 34E	86.4	186.5	3.232	4.55	66.3	SO312	.03070	8.3274	1.4	A
9025	28127.12	14 31S	40 41E	131.3	186.7	1.826	40.25	52.6	SO312	.03070	5.5297	0.6	V
9026	28137.52	15 4S	39 15E	97.7	186.7	3.092	4.20	51.4	SO312	.03070	7.4196	1.0	V
9027	28141.32	15 5S	39 16E	99.3	186.7	3.092	4.90	51.4	SO312	.03070	7.1885	1.0	A
335 5001	32320.52	61 55N	34 11E	86.3	193.9	1.135	-29.40	43.9	SO312	.04000	8.3777	0.8	F
5002	32326.72	61 55N	34 10E	86.2	193.7	1.338	-29.40	43.9	SO312	.04000	8.4438	0.8	A
5003	32329.72	61 43N	34 3E	86.4	193.6	1.338	-29.75	44.1	SO312	.04000	8.4273	0.6	A
5004	32341.12	60 44N	33 34E	85.0	193.3	1.338	-29.40	45.0	SO312	.04000	8.6419	0.6	V
5005	32344.12	60 44N	33 35E	85.7	193.2	1.338	-29.05	45.0	SO312	.04000	8.4933	0.6	A
5006	32352.32	59 45N	33 25E	81.7	193.0	1.484	-23.80	45.9	SO312	.04000	8.8565	0.6	F
5007	32355.12	59 45N	33 25E	80.8	192.9	1.484	-23.80	45.9	SO312	.04000	9.0793	0.8	V
5008	32358.12	59 45N	33 25E	81.6	192.8	1.484	-23.45	45.9	SO312	.04000	8.9225	0.6	A
5009	32392.92	57 22N	32 33E	78.7	192.0	1.690	-18.90	48.1	SO312	.04000	9.2527	0.4	A
5010	32404.52	56 27N	31 33E	85.8	191.7	1.484	-31.50	48.9	SO312	.03080	8.5758	0.6	V
5011	32407.72	56 27N	31 33E	86.6	191.7	1.690	-31.50	48.9	SO312	.03080	8.4108	0.6	A
5012	32426.32	54 43N	31 22E	79.6	191.3	1.690	-21.70	50.5	SO312	.04000	9.1041	0.6	F
5013	32432.32	54 41N	31 26E	78.5	191.2	1.826	-19.25	50.5	SO312	.04000	9.2774	0.6	A
5014	32439.32	53 45N	31 50E	74.7	191.1	2.037	-0.35	51.5	SO312	.04000	9.7314	0.4	F
5015	32441.92	53 46N	31 51E	73.9	191.0	2.037	0.00	51.5	SO312	.04000	9.9460	0.4	V
5016	32445.52	53 43N	31 42E	74.7	191.0	2.037	-4.15	51.5	SO312	.04000	9.7314	0.6	A
5017	32454.32	52 49N	30 45E	78.4	190.8	1.826	-19.60	52.2	SO312	.04000	9.2444	0.4	F
5018	32459.52	52 26N	30 54E	75.7	190.7	2.037	-12.25	52.6	SO312	.04000	9.5828	0.4	F
5019	32462.12	52 26N	30 54E	74.9	190.7	2.037	-12.25	52.5	SO312	.04000	9.8057	0.4	V
5020	32464.92	52 26N	30 54E	75.8	190.6	2.037	-11.90	52.6	SO312	.04000	9.6076	0.4	A
5021	32492.32	50 21N	30 23E	73.7	190.2	2.181	-6.30	54.4	SO312	.04000	9.9625	1.4	V
5022	32512.92	48 45N	30 3E	74.3	189.9	2.181	-0.35	55.8	SO312	.04000	9.7892	0.4	F
5023	32515.52	48 45N	30 4E	73.5	189.9	2.181	0.00	55.8	SO312	.04000	10.0038	0.4	V
5024	32521.72	48 15N	30 30E	78.1	189.8	2.037	17.50	56.4	SO312	.03080	9.4177	0.6	V
5025	32523.32	48 9N	30 28E	78.1	189.8	2.037	17.50	56.5	SO312	.03080	9.4177	0.4	V
5026	32526.12	48 9N	30 27E	79.0	189.7	2.037	17.50	56.5	SO312	.03080	9.1866	0.4	A
5027	32551.12	46 5N	29 40E	77.1	189.4	2.390	12.95	58.2	SO312	.03080	9.4508	0.6	F
5028	32553.92	46 5N	29 39E	76.3	189.4	2.181	13.30	58.2	SO312	.03080	9.6406	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
335 5029	32584.92	45 17N	27 58E	85.0	189.3	2.037	-30.80	58.3	SO312	.03080	8.5263	0.6	F
5030	32567.92	45 17N	27 58E	83.8	189.2	2.037	-30.45	58.3	SO312	.03080	8.7857	0.6	V
5031	32575.32	44 52N	28 41E	74.5	189.1	2.390	-5.60	59.0	SO312	.03080	9.7727	0.6	A
5032	32585.72	44 9N	28 34E	74.4	189.0	2.390	-2.80	59.6	SO312	.03080	9.7727	0.6	A
5033	32593.92	43 15N	27 58E	76.1	189.0	2.390	-15.40	60.1	SO312	.03080	9.5333	0.4	F
5034	32635.72	40 37N	26 53E	81.0	188.6	2.390	-26.95	62.0	SO312	.03080	9.0628	0.6	V
5035	32638.72	40 37N	26 53E	81.9	188.5	2.390	-26.60	62.0	SO312	.03080	8.9060	0.6	A
9001	32226.52	68 6N	39 31E	78.4	197.7	1.135	-11.20	38.2	SO312	.05390	9.2353	1.0	F
9002	32232.12	68 6N	39 33E	78.2	197.4	1.135	-10.50	38.2	SO312	.05390	9.2765	1.0	A
9003	32276.72	64 41N	39 12E	87.6	195.4	1.338	28.70	41.6	SO312	.04070	8.3852	1.0	V
9004	32280.32	64 40N	39 12E	89.1	195.3	1.135	29.40	41.6	SO312	.04070	8.1459	0.6	A
9005	32335.72	60 51N	34 13E	79.4	193.4	1.484	-18.90	45.0	SO312	.04070	9.1197	0.4	F
9006	32374.12	58 13N	33 17E	76.3	192.4	1.690	-11.55	47.4	SO312	.04070	9.4994	0.4	F
9007	32376.72	58 13N	33 17E	75.4	192.4	1.690	-11.20	47.4	SO312	.04070	9.7470	1.6	V
9008	32379.32	58 3N	33 12E	75.3	192.3	1.690	-11.20	47.6	SO312	.04070	9.7552	0.4	V
9009	32383.32	57 46N	33 14E	74.6	192.2	1.690	-7.35	47.9	SO312	.04070	9.8460	0.6	V
9010	32386.12	57 46N	33 13E	75.5	192.1	1.690	-7.35	47.9	SO312	.04070	9.8232	0.4	A
9011	32478.92	51 7N	31 53E	84.3	190.4	1.826	26.95	54.0	SO312	.03070	8.7318	0.8	V
9012	32482.12	51 7N	31 53E	85.6	190.3	1.826	27.30	54.0	SO312	.03070	8.4760	0.8	A
9013	32497.52	49 50N	30 2E	75.4	190.1	2.181	-11.55	54.8	SO312	.04070	9.6232	1.0	F
9014	32502.92	49 50N	30 2E	75.3	190.0	2.181	-10.85	54.8	SO312	.04070	9.6479	1.0	A
9015	32539.72	46 54N	29 36E	74.7	189.6	2.390	3.50	57.4	SO312	.03070	9.7305	0.8	F
9016	32545.12	46 54N	29 36E	74.9	189.5	2.181	4.55	57.4	SO312	.03070	9.6892	0.8	A
9017	32579.72	44 11N	28 39E	74.3	189.1	2.390	-1.05	59.6	SO312	.04070	9.7717	0.4	F
9018	32582.32	44 11N	28 39E	73.5	189.1	2.390	-0.70	59.6	SO312	.04070	9.9946	0.4	V
9019	32597.12	43 13N	27 55E	75.7	188.9	2.390	-16.10	60.2	SO312	.04070	9.7057	0.6	V
9020	32599.92	43 13N	27 55E	76.5	188.9	2.390	-15.75	60.2	SO312	.04070	9.4994	0.6	A
9021	32608.52	42 26N	27 41E	76.0	188.8	2.390	-16.80	60.8	SO312	.04070	9.6727	0.4	V
9022	32611.32	42 26N	27 41E	76.8	188.8	2.390	-16.45	60.8	SO312	.04070	9.4664	0.4	A
9023	32668.52	38 23N	26 9E	85.7	188.3	2.181	-32.55	63.5	SO312	.03070	8.5503	0.4	V
9024	32671.72	38 22N	26 8E	86.6	188.3	2.390	-32.55	63.5	SO312	.03070	8.4017	0.4	A
9025	32873.72	24 14N	23 18E	84.7	187.1	2.738	-28.70	70.7	SO312	.03070	8.6576	0.4	V
9026	32876.92	24 14N	23 18E	85.6	187.1	2.738	-28.35	70.7	SO312	.03070	8.4925	0.4	A
9027	33444.52	15 11S	16 4E	109.5	186.7	3.092	-30.10	50.6	SO312	.02200	6.5365	1.4	F
9028	33448.32	15 11S	16 3E	108.1	186.7	3.092	-29.75	50.6	SO312	.03070	6.7099	1.4	V
9029	33471.52	17 2S	15 44E	110.4	186.8	3.092	-29.40	49.0	SO312	.03070	6.4705	0.6	F
9030	33475.52	17 2S	15 44E	108.8	186.8	3.092	-28.70	49.0	SO312	.03070	6.6603	0.6	V
9031	33482.12	17 31S	15 56E	103.0	186.8	3.232	-20.65	48.8	SO312	.03070	7.0317	0.8	V
9032	33486.12	17 32S	15 55E	104.4	186.8	3.439	-20.65	48.8	SO312	.03070	6.8584	0.6	A
9033	33550.72	22 27S	15 3E	107.0	187.0	3.232	-18.20	44.4	SO312	.03070	6.6768	0.4	F
9034	33554.52	22 27S	15 3E	105.8	187.0	3.232	-17.85	44.4	SO312	.03070	6.8254	0.4	V
9035	33562.72	22 57S	14 30E	115.3	187.1	3.092	-29.40	43.7	SO312	.03070	6.2725	0.6	V
9036	33566.92	22 56S	14 30E	116.6	187.1	3.092	-29.05	43.7	SO312	.03070	6.1322	0.8	A
336 5001	37689.12	57 44N	11 59E	77.0	192.2	1.690	13.30	48.0	SO312	.04000	9.5498	0.6	V
5002	37691.92	57 44N	11 60E	78.0	192.2	1.690	13.65	48.0	SO312	.04000	9.3104	0.8	A
5003	37752.52	53 26N	8 25E	84.8	191.0	1.690	-29.75	51.5	SO312	.03080	8.5428	0.6	F
5004	37755.52	53 25N	8 25E	83.5	190.9	1.690	-29.40	51.6	SO312	.03080	8.7904	0.6	V
5005	37761.72	52 57N	8 46E	76.6	190.8	1.826	-17.15	52.1	SO312	.04000	9.5911	0.6	V
5006	37764.52	52 57N	8 46E	77.4	190.7	2.037	-17.15	52.1	SO312	.04000	9.4012	0.6	A
5007	37770.52	52 33N	8 33E	78.2	190.6	2.037	-19.25	52.4	SO312	.04000	9.3104	0.8	A
5008	37777.52	51 55N	8 1E	81.3	190.5	1.826	-26.60	52.9	SO312	.03080	9.0216	0.8	V
5009	37780.52	51 55N	8 1E	82.2	190.5	2.037	-26.60	52.9	SO312	.03080	8.8847	0.8	A
5010	37787.32	51 12N	8 0E	76.8	190.4	2.037	-18.90	53.6	SO312	.04000	9.5663	0.6	V
5011	37790.12	51 13N	8 7E	77.6	190.3	2.037	-18.55	53.6	SO312	.04000	9.3847	0.6	A
5012	37810.72	49 39N	7 10E	83.0	190.0	1.826	-29.40	54.8	SO312	.03080	8.8400	0.8	V
5013	37813.92	49 39N	7 10E	83.9	190.0	2.037	-29.40	54.8	SO312	.03080	8.6914	0.6	A
5014	37857.52	46 15N	6 9E	84.3	189.4	1.826	-30.10	57.6	SO312	.03080	8.5841	0.4	F
5015	37860.52	46 15N	6 8E	83.2	189.4	2.037	-30.10	57.6	SO312	.03080	8.8235	0.4	V
5016	37891.52	44 6N	5 43E	79.9	189.0	2.181	-25.90	59.4	SO312	.03080	9.1784	0.4	V
5017	37894.52	44 6N	5 43E	80.7	189.0	2.181	-25.55	59.4	SO312	.03080	9.0133	0.4	A
5018	37900.12	43 35N	4 57E	94.8	189.0	1.826	-40.60	59.5	SO312	.01660	7.7669	0.8	V
5019	37903.72	43 35N	4 57E	95.3	188.9	2.037	-40.25	59.5	SO312	.01660	7.6514	0.6	A
5020	37993.52	36 47N	5 6E	78.5	188.1	2.530	15.40	65.3	SO312	.03080	9.2692	0.6	F
5021	37999.12	36 47N	5 6E	79.1	188.1	2.530	16.10	65.3	SO312	.03080	9.1619	0.6	A
5022	38016.92	35 15N	4 11E	74.5	188.0	2.738	-4.20	66.1	SO312	.03080	9.7479	0.8	F
5023	38022.32	35 15N	4 11E	74.7	187.9	2.738	-3.50	66.1	SO312	.03080	9.7314	0.6	A
9001	37993.12	36 48N	5 6E	78.6	188.1	2.530	15.40	65.3	SO312	.04070	9.2683	1.4	F
9002	37998.92	36 48N	5 6E	79.1	188.1	2.530	16.10	65.3	SO312	.04070	9.1610	1.0	A
9003	38006.32	36 15N	5 28E	89.4	188.1	2.181	31.15	66.0	SO312	.03070	8.0881	1.8	A
9004	38041.92	33 48N	2 56E	88.1	187.8	2.390	-35.00	66.4	SO312	.01650	8.3357	1.0	V
9005	38045.12	33 49N	2 56E	88.8	187.8	2.390	-34.65	66.4	SO312	.01650	8.1954	1.0	A
9006	38217.92	21 26N	0 56E	81.0	187.0	3.092	-19.60	71.4	SO312	.03070	8.9299	1.4	F
338 5001	49335.12	13 2S	49 48W	105.0	186.7	3.232	-28.35	52.5	SO312	.03080	6.9003	0.8	V
5002	49479.12	23 4S	52 28W	136.2	187.1	2.738	-42.70	43.3	SO312	.02210	5.2247	1.0	F
5003	49518.12	26 5S	49 49W	139.4	187.2	1.826	38.50	42.1	SO312	.02210	5.1422	0.6	F
5004	49556.12	28 11S	51 30W	108.6	187.4	2.738	9.45	39.6	SO312	.03080	6.6361	0.8	V
5005	49576.32	29 55S	51 9W	124.3	187.5	2.181	26.25	38.3	SO312	.02210	5.7530	0.6	F
5006	49580.72	29 55S	51 9W	123.8	187.5	2.181	26.60	38.3	SO312	.02210	5.8107	0.8	V
9001	49222.92	5 29S	47 27W	90.8	186.5	3.232	5.60	59.4	SO312	.03070	8.0138	1.4	V
9002	49233.92	6 22S	48 33W	101.0	186.5	3.232	-28.35	58.0	SO312	.02200	7.0895	1.4	F
9003	49248.52	7 16S	47 27W	96.6	186.6	2.881	16.80	58.2	SO312	.03070	7.5269	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
338 9004	49329.12	12 53S	49 50W	108.1	186.7	3.092	-30.45	52.6	SO312	.02200	6.6191	1.4	F
9005	49342.52	13 23S	49 9W	96.5	186.7	3.232	-4.90	52.6	SO312	.03070	7.4114	1.0	A
9006	49350.72	14 26S	49 10W	96.6	186.7	3.232	0.35	51.8	SO312	.03070	7.4444	1.0	F
9007	49363.12	15 25S	48 28W	112.9	186.7	2.530	27.65	51.4	SO312	.02200	6.3880	1.4	F
9008	49368.32	15 49S	48 19W	119.6	186.7	2.530	32.55	51.2	SO312	.02200	6.0331	1.4	F
9009	49374.92	15 39S	48 50W	105.8	186.8	2.530	19.60	51.1	SO312	.03070	6.7346	0.6	A
9010	49380.72	16 19S	48 55W	104.9	186.8	2.738	19.60	50.5	SO312	.02200	6.9079	1.4	V
9011	49389.32	16 39S	48 37W	117.2	186.8	2.181	30.10	50.4	SO312	.02200	6.0661	1.4	A
9012	49409.72	17 46S	50 55W	115.3	186.8	3.439	-33.25	48.2	SO312	.02200	6.2064	1.4	A
9013	49416.12	18 18S	50 37W	105.8	186.9	3.439	-22.40	48.0	SO312	.03070	6.7594	0.8	A
9014	49421.32	18 57S	50 34W	102.4	186.9	3.232	-17.50	47.5	SO312	.03070	7.0730	1.2	V
9015	49428.52	19 24S	50 55W	107.6	186.9	3.232	-25.20	47.0	SO312	.03070	6.7346	0.6	V
9016	49437.52	19 50S	50 21W	101.4	186.9	3.232	-4.90	46.9	SO312	.03070	7.0317	1.4	A
9017	49446.52	20 53S	51 22W	113.8	187.0	3.092	-29.40	45.6	SO312	.03070	6.2642	3.2	F
9018	49453.12	20 44S	51 33W	119.2	187.0	3.092	-33.60	45.6	SO312	.02200	6.0001	1.4	A
9019	49459.32	21 44S	52 8W	133.3	187.0	2.881	-42.00	44.5	SO312	.02200	5.3564	1.4	F
9020	49464.72	21 27S	52 0W	129.6	187.0	3.092	-39.90	44.8	SO312	.02200	5.5297	1.4	A
9021	49469.92	21 51S	51 53W	123.1	187.0	3.092	-35.70	44.5	SO312	.02200	5.8103	1.4	A
9022	49487.72	23 24S	51 53W	114.6	187.1	3.092	-29.05	43.3	SO312	.03070	6.3055	1.4	V
9023	49494.92	23 51S	52 20W	124.7	187.1	3.092	-36.75	42.7	SO312	.02200	5.7855	3.0	V
9024	49513.52	25 4S	50 9W	123.5	187.2	2.037	29.05	42.8	SO312	.02200	5.7195	0.4	A
9025	49537.52	27 4S	52 38W	118.3	187.3	2.881	-28.00	40.0	SO312	.03070	6.0249	1.8	F
9026	49546.12	27 9S	52 3W	108.5	187.3	3.232	-11.90	40.2	SO312	.03070	6.5613	0.8	A
9027	49564.12	28 29S	50 56W	122.7	187.4	2.181	25.90	39.6	SO312	.03070	5.7525	0.8	A
9028	49576.92	29 58S	51 9W	124.4	187.5	2.181	26.25	38.2	SO312	.03070	5.7525	0.8	F
9029	49601.12	31 20S	54 5W	135.0	187.6	2.738	-37.10	35.8	SO312	.03070	5.2491	1.6	F
9030	49612.92	31 33S	53 38W	121.8	187.7	3.092	-26.60	35.8	SO312	.03070	5.8350	1.0	A
9031	49624.92	32 17S	54 11W	131.9	187.7	3.092	-34.30	35.0	SO312	.03070	5.4059	1.4	A
9032	49653.32	34 50S	55 5W	142.2	187.9	2.530	-38.85	32.5	SO312	.02200	4.9767	1.0	F
9033	49658.52	34 50S	55 5W	139.9	187.9	2.738	-38.50	32.5	SO312	.02200	5.1418	1.0	V
9034	49663.72	34 52S	54 56W	137.2	188.0	3.092	-36.05	32.5	SO312	.03070	5.1913	1.4	A
339 5001	54292.12	10 32N	66 53W	81.8	186.6	3.232	0.00	69.8	SO312	.04000	8.8482	0.6	F
5002	54714.12	17 60S	70 14W	145.2	186.8	1.484	44.10	49.6	SO312	.01250	4.8780	0.8	A
9001	54183.12	18 23N	64 58W	86.1	186.8	2.738	20.65	72.4	SO312	.03070	8.3605	1.4	A
9002	54292.92	10 28N	66 54W	81.9	186.6	3.232	0.00	69.8	SO312	.03070	8.8474	0.4	F
9003	54300.32	10 14N	67 33W	86.3	186.6	3.232	-23.45	69.1	SO312	.03070	8.4595	1.4	V
9004	54307.32	9 56N	67 22W	83.6	186.6	3.439	-14.35	69.2	SO312	.03070	8.6493	0.8	A
9005	54313.92	9 17N	67 42W	86.6	186.6	3.232	-22.75	68.7	SO312	.03070	8.4347	0.8	V
9006	54506.12	4 9S	69 55W	92.6	186.5	3.439	-17.50	66.0	SO312	.03070	7.7662	2.4	F
9007	54623.52	12 15S	70 51W	95.4	186.6	3.232	1.05	53.7	SO312	.03070	7.5434	1.4	F
9008	54650.52	13 30S	71 56W	103.8	186.7	3.439	-26.95	52.1	SO312	.03070	6.9162	1.4	A
9009	54683.72	16 22S	71 30W	97.8	186.8	3.092	4.20	50.2	SO312	.01650	7.3453	1.2	F
9010	54687.12	16 22S	71 30W	97.0	186.8	3.092	4.55	50.2	SO312	.01650	7.4691	1.2	V
9011	54691.72	16 25S	71 34W	98.3	186.8	3.092	3.50	50.1	SO312	.03070	7.2546	0.6	A
9012	54696.52	16 43S	71 50W	98.5	186.8	3.092	-3.85	49.7	SO312	.03070	7.2463	0.6	A
9013	54708.32	18 19S	70 21W	141.0	186.8	1.826	42.35	49.2	SO312	.02200	5.0923	1.2	F
9014	54720.32	18 25S	70 19W	145.5	186.9	1.338	44.10	49.2	SO312	.02200	4.8694	1.4	A
340 5001	59539.92	14 49N	88 9W	81.0	186.7	3.092	4.20	71.4	SO312	.04000	8.9308	0.6	A
9001	59184.32	39 14N	84 28W	93.0	188.4	2.037	-39.55	62.8	SO312	.02200	7.8818	0.6	V
9002	59259.32	33 56N	84 23W	74.2	187.8	2.738	1.75	67.0	SO312	.02200	9.8955	3.0	V
9003	59444.92	20 57N	86 50W	79.9	187.0	3.092	9.80	72.1	SO312	.03070	9.0950	0.6	F
9004	59450.72	20 56N	86 51W	80.4	187.0	2.881	10.85	72.1	SO312	.03070	8.9877	0.6	A
9005	59484.52	18 31N	88 18W	86.6	186.9	3.092	-28.70	71.2	SO312	.03070	8.4595	0.4	V
9006	59487.72	18 31N	88 18W	87.5	186.8	3.092	-28.35	71.2	SO312	.03070	8.2944	0.4	A
9007	59495.32	17 33N	88 11W	82.0	186.8	3.092	-18.55	71.4	SO312	.03070	8.8226	1.0	F
9008	59501.32	17 32N	88 11W	81.8	186.8	3.232	-17.50	71.4	SO312	.03070	8.8556	1.0	A
9009	59521.52	15 53N	87 55W	79.6	186.8	3.092	4.90	71.7	SO312	.04070	9.2023	0.8	V
9010	59524.52	15 53N	87 56W	80.8	186.8	3.092	5.25	71.7	SO312	.04070	8.9382	0.8	A
9011	59550.92	13 44N	89 10W	89.4	186.7	3.092	-29.05	70.3	SO312	.02200	8.0716	0.4	F
9012	59554.12	13 44N	89 10W	88.3	186.7	3.092	-28.70	70.3	SO312	.03070	8.2862	0.4	V
9013	59557.52	13 43N	89 10W	89.2	186.7	3.092	-28.35	70.3	SO312	.02200	8.1294	0.4	A
341 5001	64562.12	33 51N	106 39W	74.1	187.8	2.738	-4.55	67.0	SO312	.02210	9.8057	0.6	F
5002	64567.52	33 50N	106 39W	74.3	187.8	2.738	-3.50	67.0	SO312	.02210	9.7809	0.6	A
9001	64562.12	33 50N	106 39W	74.2	187.8	2.738	-4.55	67.0	SO312	.02200	9.6047	0.6	F
9002	64567.52	33 50N	106 39W	74.3	187.8	2.738	-3.50	67.0	SO312	.02200	9.7800	0.6	A
9003	64593.92	31 46N	106 27W	80.9	187.7	2.530	20.30	68.7	SO312	.03070	9.0785	0.6	V
9004	64596.92	31 45N	106 27W	82.2	187.6	2.530	20.65	68.7	SO312	.03070	8.8061	0.6	A
9005	64641.92	28 25N	106 53W	88.1	187.4	2.390	30.10	70.6	SO312	.03070	8.3357	0.4	V
9006	64645.12	28 26N	106 52W	89.8	187.4	2.181	30.80	70.6	SO312	.02200	8.0551	0.6	A
9007	64685.72	25 29N	108 3W	77.7	187.2	2.881	10.15	71.2	SO312	.03070	9.4416	0.4	V
9008	64688.52	25 29N	108 3W	78.9	187.2	2.881	10.50	71.2	SO312	.03070	9.1693	0.4	A
342 9001	70678.72	21 49S	138 46W	102.7	187.0	2.881	5.95	45.3	SO312	.03070	7.0400	1.0	V
9002	70682.52	21 49S	138 46W	104.3	187.0	2.881	6.30	45.3	SO312	.03070	6.8172	1.2	A
344 5001	81591.72	41 42S	174 11E	149.6	188.7	1.338	33.60	27.3	SO312	.02210	4.7047	0.8	A
9001	91523.32	37 8S	175 33E	156.5	188.2	1.135	39.55	31.7	SO312	.02200	4.4981	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLIT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
344 9002	81540.12	38 15S	175 10E	152.9	188.3	1.135	37.45	30.6	SO312	.02200	4.5971	1.4	A
9003	81620.12	43 33S	172 43E	130.2	189.0	1.826	16.80	25.2	SO312	.04070	5.4059	0.8	A
345 5001	85334.12	64 49N	177 57E	85.5	195.6	1.484	24.15	41.6	SO312	.04000	8.5096	0.6	F
5002	85338.12	64 46N	177 47E	83.4	195.4	1.484	22.40	41.7	SO312	.03080	8.8152	0.6	V
5003	85341.32	64 45N	177 46E	84.4	195.3	1.484	22.40	41.7	SO312	.03080	8.6171	0.6	A
9001	85273.72	68 53N	179 20W	79.4	198.5	1.135	11.20	37.7	SO312	.03070	9.0785	0.6	F
9002	85276.52	68 53N	179 21W	79.0	198.3	1.135	11.20	37.7	SO312	.03070	9.2931	0.6	V
9003	85279.32	68 54N	179 22W	79.8	198.2	1.135	10.85	37.7	SO312	.03070	9.0950	0.4	A
9004	85388.32	61 47N	174 6E	77.0	193.7	1.484	-9.45	44.3	SO312	.02200	9.4334	0.4	A
346 5001	5384.72	12 39S	132 54E	120.4	186.7	3.092	-40.25	52.4	SO312	.02210	6.0336	0.6	V
5002	5389.12	12 39S	132 54E	121.8	186.7	3.092	-39.90	52.4	SO312	.02210	5.9181	0.6	A
9001	5374.12	12 15S	133 20E	110.0	186.7	3.092	-32.20	53.0	SO312	.02200	6.5118	1.0	F
9002	5377.92	12 14S	133 20E	108.6	186.7	3.092	-31.85	53.0	SO312	.02200	6.6851	1.2	V
347 5001	9608.91	61 56N	129 34E	79.1	193.8	1.484	-16.80	44.2	SO312	.03080	9.2114	0.4	A
5002	9883.51	42 45N	123 20E	76.9	188.9	2.390	12.25	61.0	SO312	.03080	9.4755	0.4	F
5003	9891.31	42 18N	122 31E	75.2	188.8	2.390	-10.85	61.1	SO312	.03080	9.6654	0.4	F
5004	9897.11	41 56N	122 6E	78.4	188.8	2.390	-21.00	61.3	SO312	.03080	9.2527	0.4	F
5005	9901.91	41 37N	121 48E	82.5	188.7	2.181	-27.65	61.4	SO312	.02210	8.7657	0.4	F
5006	9927.91	39 59N	121 53E	74.7	188.5	2.390	-11.90	62.9	SO312	.03080	9.6387	0.6	V
5007	9931.51	39 32N	121 52E	74.6	188.5	2.390	-9.10	63.2	SO312	.03080	9.7397	0.6	F
5008	9960.31	37 33N	121 26E	74.9	188.2	2.738	-7.35	64.7	SO312	.03080	9.7066	0.4	F
5009	9962.92	37 33N	121 26E	74.0	188.2	2.738	-7.00	64.7	SO312	.03080	9.9212	0.6	V
5010	9970.91	37 4N	120 48E	79.7	188.1	2.530	-24.50	64.7	SO312	.03080	9.2279	0.6	V
5011	9973.71	37 4N	120 48E	80.6	188.1	2.530	-24.15	64.7	SO312	.03080	9.0546	0.8	A
5012	9975.11	36 59N	120 47E	80.6	188.1	2.530	-24.15	64.8	SO312	.03080	9.0546	0.4	A
5013	9980.51	36 25N	120 35E	81.1	188.1	2.530	-26.60	65.1	SO312	.02210	9.0711	0.6	V
5014	9984.51	36 8N	120 36E	79.7	188.0	2.530	-24.15	65.4	SO312	.04000	9.2114	0.6	V
5015	9987.51	36 8N	120 35E	80.6	188.0	2.738	-24.15	65.4	SO312	.04000	9.0381	0.6	A
5016	10007.92	34 19N	120 16E	79.6	187.9	2.530	-22.05	66.5	SO312	.03080	9.1041	0.6	F
5017	10013.71	34 6N	120 19E	77.0	187.8	2.738	-18.20	66.7	SO312	.03080	9.5416	0.8	V
5018	10018.12	33 48N	120 15E	77.1	187.8	2.738	-18.20	66.9	SO312	.03080	9.5333	0.4	V
5019	10028.11	32 54N	120 20E	75.5	187.8	2.738	-8.05	67.6	SO312	.03080	9.6241	0.4	F
5020	10034.51	32 47N	120 49E	77.9	187.7	2.738	11.90	68.0	SO312	.03080	9.3104	0.4	A
5021	10041.31	31 58N	120 18E	75.3	187.7	2.738	-2.10	68.2	SO312	.03080	9.6571	0.6	F
5022	10044.12	31 58N	120 17E	74.5	187.7	2.738	-1.75	68.2	SO312	.03080	9.8552	0.6	V
5023	10049.31	31 36N	120 13E	74.4	187.6	2.738	-1.75	68.4	SO312	.03080	9.8635	0.8	V
5024	10058.71	30 46N	120 2E	75.4	187.6	2.738	-2.10	68.9	SO312	.03080	9.8324	0.6	F
5025	10061.31	30 47N	120 2E	74.7	187.6	2.738	-1.75	68.9	SO312	.03080	9.8304	0.6	V
5026	10066.11	30 14N	120 6E	76.1	187.5	2.738	4.90	69.3	SO312	.03080	9.5663	0.6	F
5027	10072.31	30 10N	120 16E	78.5	187.5	2.738	12.60	69.4	SO312	.03080	9.2362	0.4	A
5028	10081.11	29 14N	119 38E	75.1	187.5	2.738	-4.90	69.6	SO312	.03080	9.6736	0.6	F
5029	10103.51	28 6N	119 10E	77.2	187.4	3.092	-13.30	69.9	SO312	.03080	9.4095	0.4	A
5030	10111.71	27 7N	119 20E	75.9	187.3	3.092	0.35	70.6	SO312	.03080	9.5746	0.6	F
5031	10117.71	26 53N	119 23E	76.0	187.3	2.881	4.90	70.7	SO312	.03080	9.6736	0.6	V
5032	10120.51	26 53N	119 23E	77.0	187.3	2.881	5.25	70.7	SO312	.03080	9.4177	0.6	A
5033	10125.11	26 11N	119 16E	76.9	187.3	3.092	4.90	71.0	SO312	.03080	9.4590	0.4	F
5034	10126.51	26 5N	119 15E	77.2	187.3	3.092	4.90	71.0	SO312	.03080	9.4260	0.4	F
5035	10129.31	26 4N	119 15E	76.5	187.2	2.881	5.60	71.0	SO312	.03080	9.5993	0.4	V
5036	10137.11	25 32N	119 9E	76.5	187.2	2.881	6.30	71.2	SO312	.03080	9.6076	0.6	V
5037	10139.91	25 32N	119 9E	77.6	187.2	2.881	6.65	71.2	SO312	.03080	9.3517	0.6	A
5038	10420.51	5 58N	116 4E	94.7	186.5	2.881	25.20	68.0	SO312	.02210	7.7257	0.6	V
5039	10424.11	5 58S	116 4E	96.4	186.5	2.530	25.90	68.0	SO312	.02210	7.4615	0.6	A
5040	10552.71	3 26S	114 49E	112.5	186.5	2.530	34.30	61.6	SO312	.02210	6.4546	0.4	F
5041	10556.71	3 26S	114 49E	112.1	186.5	2.181	35.00	61.6	SO312	.02210	6.5041	0.4	V
5042	10561.31	3 45S	114 47E	112.9	186.5	2.181	35.35	61.3	SO312	.02210	6.4546	0.8	V
5043	10565.71	3 45S	114 47E	115.3	186.5	2.181	35.70	61.3	SO312	.02210	6.2152	0.6	A
5044	10613.71	7 11S	112 45E	92.6	186.6	3.439	-13.30	57.6	SO312	.04000	7.8495	0.6	V
5045	10617.11	7 10S	112 45E	93.8	186.6	3.439	-12.60	57.6	SO312	.03080	7.6679	0.8	A
9001	9876.31	43 37N	123 36E	77.4	189.0	2.390	13.30	60.4	SO312	.02200	9.3673	0.8	A
9002	9905.72	41 22N	121 34E	85.9	188.7	2.181	-31.85	61.6	SO312	.02200	8.4100	1.4	F
9003	9917.12	40 39N	122 33E	74.4	188.6	2.390	5.60	62.6	SO312	.03070	9.8790	0.6	V
9004	9920.12	40 39N	122 32E	75.2	188.6	2.390	5.25	62.6	SO312	.03070	9.6397	1.2	A
9005	9936.12	39 24N	121 46E	74.5	188.4	2.390	-10.85	63.3	SO312	.04070	9.8625	0.6	V
9006	9938.91	39 24N	121 46E	75.3	188.4	2.390	-10.50	63.3	SO312	.04070	9.6479	0.4	A
9007	9942.71	38 57N	121 39E	74.6	188.4	2.390	-11.20	63.6	SO312	.04070	9.8460	0.4	V
9008	9945.51	38 57N	121 39E	75.4	188.3	2.738	-10.85	63.6	SO312	.04070	9.6314	0.4	A
9009	9951.92	38 23N	120 55E	83.4	188.3	2.530	-30.10	63.7	SO312	.03070	8.7896	0.6	V
9010	10022.92	33 28N	120 13E	76.8	187.8	2.738	-17.15	67.1	SO312	.02200	9.5654	0.8	V
9011	10041.31	31 58N	120 17E	75.3	187.7	2.738	-2.10	68.2	SO312	.02200	9.6562	0.8	F
9012	10053.31	31 30N	120 16E	75.7	187.6	2.738	1.40	68.6	SO312	.04070	9.5737	0.4	A
9013	10081.71	29 11N	119 38E	75.8	187.5	2.738	-4.90	69.6	SO312	.02200	9.6727	1.0	F
9014	10089.91	28 57N	120 3E	79.5	187.4	2.738	14.35	70.1	SO312	.03070	9.0950	0.4	A
9015	10149.51	24 34N	118 7E	84.1	187.2	2.881	-26.60	70.8	SO312	.03070	8.5915	0.6	F
9016	10150.71	24 29N	118 6E	84.1	187.2	2.881	-26.60	70.8	SO312	.03070	8.5915	0.6	F
9017	10153.71	24 29N	118 6E	82.9	187.1	2.881	-26.25	70.8	SO312	.03070	8.8309	0.6	V
9018	10156.51	24 30N	118 5E	84.2	187.1	3.092	-26.60	70.8	SO312	.03070	8.6328	0.4	A
9019	10158.71	24 21N	118 4E	83.9	187.1	3.092	-26.60	70.8	SO312	.03070	8.6576	0.4	A
9020	10352.51	10 46N	115 48E	83.5	186.6	3.092	-17.15	69.5	SO312	.03070	8.7566	0.8	V
9021	10355.51	10 46N	115 48E	84.5	186.6	3.439	-17.15	69.5	SO312	.03070	8.5585	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
347 9022	10439.11	4 47N	115 1E	84.0	186.5	3.439	-7.00	66.5	SO312	.03070	8.6906	0.6	V
9023	10442.31	4 46N	115 1E	85.1	186.5	3.439	-6.30	66.5	SO312	.03070	8.4678	0.6	A
9024	10622.71	7 48S	112 43E	92.1	186.6	3.439	-10.15	57.1	SO312	.03070	7.8983	0.4	V
9025	10626.12	7 48S	112 43E	93.4	186.6	3.439	-9.80	57.2	SO312	.03070	7.6920	0.4	A
348 5001	15058.51	52 12N	103 59E	74.3	190.6	2.037	5.25	53.1	SO312	.04000	9.8882	0.6	V
5002	15061.31	52 11N	103 59E	75.3	190.6	2.037	5.60	53.1	SO312	.04000	9.6571	0.4	A
5003	15192.71	43 0N	101 20E	76.1	188.9	2.390	14.35	60.9	SO312	.03080	9.6571	0.4	V
5004	15195.51	43 0N	101 20E	77.3	188.9	2.181	15.05	60.9	SO312	.03080	9.4012	0.4	A
5005	15207.51	41 59N	101 4E	76.6	188.8	2.390	14.70	61.7	SO312	.03080	9.5911	0.6	V
5006	15215.51	41 19N	100 20E	73.9	188.7	2.530	-4.20	62.0	SO312	.03080	9.8304	0.6	F
5007	15218.11	41 19N	100 20E	73.1	188.7	2.530	-3.85	62.0	SO312	.03080	10.0451	0.6	V
5008	15220.31	41 10N	100 18E	73.1	188.6	2.530	-3.85	62.1	SO312	.03080	10.0451	1.2	V
5009	15223.71	41 7N	100 17E	74.1	188.6	2.530	-3.50	62.1	SO312	.03080	9.8222	0.4	A
5010	15228.91	40 26N	99 48E	75.7	188.6	2.530	-15.05	62.5	SO312	.03080	9.5746	0.6	F
5011	15249.71	38 50N	100 41E	85.8	188.4	2.390	28.00	64.3	SO312	.02210	8.5016	0.8	F
5012	15260.51	38 9N	100 11E	78.5	188.3	2.530	18.90	64.6	SO312	.03080	9.3022	1.0	F
5013	15266.11	38 9N	100 11E	79.0	188.3	2.390	19.60	64.6	SO312	.03080	9.1784	1.2	A
9001	14977.31	57 24N	107 1E	83.9	192.2	1.826	24.15	48.6	SO312	.03070	8.6906	0.4	F
9002	14982.51	57 17N	106 34E	77.8	192.1	1.826	16.10	48.6	SO312	.04070	9.4499	0.8	V
9003	14985.51	57 17N	106 34E	78.9	192.0	1.826	16.45	48.7	SO312	.04070	9.2023	0.8	A
9004	14993.11	56 49N	105 46E	75.6	191.9	1.826	2.80	49.0	SO312	.02200	9.5984	0.8	A
9005	15046.71	52 55N	103 16E	79.3	190.8	1.826	-21.35	52.3	SO312	.03070	9.1280	0.8	F
9006	15049.51	52 55N	103 16E	78.2	190.8	1.826	-21.00	52.3	SO312	.03070	9.3838	0.8	V
9007	15220.51	41 9N	100 17E	73.1	188.6	2.530	-3.85	62.1	SO312	.03070	10.0441	0.6	V
9008	15228.91	40 26N	99 48E	75.7	188.6	2.530	-15.05	62.5	SO312	.02200	9.5737	0.8	F
9009	15234.31	40 26N	99 47E	75.6	188.5	2.530	-14.35	62.5	SO312	.03070	9.6067	0.8	A
9010	15367.11	31 9N	97 17E	80.4	187.6	2.530	-28.00	68.2	SO312	.03070	9.1280	0.4	V
9011	15445.51	25 24N	97 25E	83.9	187.2	2.738	21.00	71.6	SO312	.03070	8.6741	1.0	F
9012	15451.31	25 25N	97 33E	87.8	187.2	2.530	26.25	71.7	SO312	.03070	8.2202	0.4	A
9013	15467.71	24 17N	97 16E	86.8	187.1	2.530	24.50	72.0	SO312	.03070	8.3109	1.0	A
9014	15479.31	23 7N	96 39E	79.1	187.1	2.881	10.15	71.9	SO312	.03070	9.2023	1.0	F
349 5001	20108.31	69 37N	90 23E	84.9	198.9	0.787	-24.15	37.0	SO312	.03080	8.5098	0.8	F
5002	20111.31	69 37N	90 22E	83.9	198.7	0.995	-24.50	37.0	SO312	.03080	8.7409	0.8	V
5003	20114.71	69 36N	90 20E	84.9	198.5	0.995	-24.50	37.0	SO312	.03080	8.5676	0.4	A
5004	20326.11	54 53N	82 50E	75.3	191.4	2.037	2.80	50.7	SO312	.04000	9.6571	0.4	F
5005	20330.31	54 48N	82 33E	74.2	191.3	2.037	-3.50	50.8	SO312	.03080	9.9047	0.4	V
5006	20333.11	54 48N	82 33E	75.1	191.2	2.037	-3.15	50.8	SO312	.03080	9.6901	0.4	A
5007	20363.31	52 13N	82 44E	85.1	190.7	2.037	26.25	53.3	SO312	.03080	8.5676	0.4	F
5008	20366.91	52 12N	82 37E	82.6	190.6	1.826	24.50	53.3	SO312	.03080	8.9060	0.6	V
5009	20369.91	52 12N	82 36E	83.7	190.6	1.826	24.50	53.3	SO312	.03080	8.6914	0.6	A
5010	20378.11	51 38N	82 36E	87.6	190.5	1.690	29.40	53.8	SO312	.02210	8.2869	0.4	A
5011	20400.11	49 49N	81 14E	76.5	190.1	2.181	11.20	55.2	SO312	.04000	9.5168	0.4	F
5012	20402.91	49 48N	81 13E	75.7	190.1	2.181	11.20	55.3	SO312	.04000	9.7149	0.4	V
5013	20406.51	49 23N	81 0E	75.7	190.0	2.181	8.75	55.6	SO312	.04000	9.6158	0.6	F
5014	20409.31	49 23N	80 59E	74.9	190.0	2.181	8.75	55.6	SO312	.04000	9.8139	0.4	V
5015	20414.91	48 59N	81 2E	76.5	189.9	2.181	14.00	56.0	SO312	.04000	9.6076	0.6	V
5016	20417.71	48 59N	81 2E	77.5	189.9	2.181	14.00	56.0	SO312	.03080	9.3765	0.6	A
5017	20427.71	47 57N	80 26E	74.9	189.8	2.181	5.95	56.8	SO312	.04000	9.7066	0.6	F
5018	20432.71	47 59N	80 23E	75.0	189.7	2.181	4.90	56.7	SO312	.04000	9.6984	0.4	A
5019	20458.51	46 9N	80 49E	90.1	189.4	1.826	32.20	58.6	SO312	.02210	8.0641	0.8	A
5020	20483.51	44 15N	80 1E	84.0	189.1	2.037	26.95	60.1	SO312	.03080	8.7492	0.6	V
5021	20487.11	44 13N	79 59E	85.1	189.1	2.037	26.95	60.1	SO312	.03080	8.5181	0.4	A
5022	20500.31	42 56N	79 24E	79.7	188.9	2.390	20.65	61.0	SO312	.03080	9.1454	0.6	F
5023	20802.51	22 18N	73 13E	90.7	187.0	2.738	-33.60	71.0	SO312	.02210	7.9650	0.8	F
5024	20805.71	22 18N	73 13E	89.5	187.0	2.738	-33.25	71.0	SO312	.02210	8.1879	0.8	V
9001	20297.11	56 39N	84 53E	89.7	192.0	1.690	30.80	49.3	SO312	.02200	8.1211	1.0	F
9002	20300.31	56 39N	84 53E	88.6	191.9	1.690	30.80	49.3	SO312	.03070	8.2862	0.8	V
9003	20384.71	51 11N	82 14E	83.7	190.4	1.826	24.85	54.2	SO312	.02200	8.6658	0.6	A
9004	20406.31	49 24N	81 0E	75.8	190.0	2.181	8.75	55.6	SO312	.04070	9.6149	0.8	F
9005	20409.11	49 23N	80 60E	74.9	190.0	2.181	8.75	55.6	SO312	.04070	9.8130	0.8	V
9006	20413.71	49 3N	81 4E	76.5	189.9	2.181	14.00	55.9	SO312	.03070	9.6149	0.4	V
9007	20426.71	48 1N	80 27E	74.9	189.8	2.181	5.95	56.7	SO312	.04070	9.7057	0.8	F
9008	20453.91	46 14N	80 51E	89.0	189.4	1.826	32.20	58.5	SO312	.02200	8.2697	0.8	V
9009	20457.31	46 13N	80 50E	90.1	189.4	1.826	32.20	58.5	SO312	.02200	8.0386	0.8	A
9010	20474.11	44 50N	78 59E	73.9	189.2	2.390	-10.50	59.2	SO312	.03070	9.8212	0.4	F
9011	20509.51	42 36N	78 17E	73.9	188.8	2.390	-12.95	60.9	SO312	.04070	9.9368	0.4	V
9012	20512.31	42 36N	78 17E	74.8	188.8	2.390	-12.60	60.9	SO312	.04070	9.7222	0.4	A
9013	20623.91	34 34N	76 10E	78.2	187.9	2.738	-18.90	66.5	SO312	.02200	9.2600	0.8	F
9014	20626.71	34 34N	76 10E	77.2	187.9	2.738	-18.55	66.5	SO312	.02200	9.5076	0.8	V
9015	20648.31	32 56N	75 9E	93.1	187.8	2.181	-38.15	67.0	SO312	.02200	7.7415	0.8	F
9016	20651.71	32 55N	75 9E	91.9	187.7	2.390	-38.15	67.0	SO312	.02200	7.9808	0.8	V
9017	20660.11	32 16N	75 39E	77.7	187.7	2.738	-19.25	67.8	SO312	.02200	9.4499	1.0	V
9018	20668.71	31 28N	75 46E	75.8	187.6	2.881	-8.75	68.4	SO312	.02200	9.5654	0.8	F
9019	20679.91	30 44N	76 47E	91.7	187.6	2.181	32.90	69.6	SO312	.02200	8.0138	0.6	V
9020	20683.31	30 44N	76 48E	93.7	187.6	2.181	33.60	69.6	SO312	.02200	7.7085	1.4	A
9021	20735.11	26 58N	75 46E	86.8	187.3	2.390	26.95	71.2	SO312	.03070	8.4512	1.0	V
9022	20738.31	26 58N	75 46E	88.2	187.3	2.390	27.30	71.2	SO312	.02200	8.1789	1.0	A
9023	20834.91	19 58N	73 49E	79.0	186.9	3.092	5.60	72.1	SO312	.03070	9.1940	0.8	F
9024	20837.71	19 58N	73 49E	78.2	186.9	3.092	5.95	72.1	SO312	.03070	9.3673	0.8	V
9025	20851.11	18 56N	72 56E	83.3	186.9	3.092	-22.05	71.4	SO312	.03070	8.6741	0.8	F
9026	20857.11	18 55N	72 56E	83.0	186.9	3.232	-21.00	71.5	SO312	.03070	8.7318	0.8	A
350 5001	25587.51	58 15N	60 41E	86.2	192.4	1.338	-30.10	47.5	SO312	.03080	8.3943	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
350 5002	25590.51	58 15N	60 41E	85.2	192.3	1.338	-30.10	47.5	SO312	.04000	8.6089	0.6	V
5003	25606.91	57 5N	60 43E	78.2	192.0	1.690	-19.60	48.6	SO312	.04000	9.3930	0.4	V
5004	25609.71	57 5N	60 43E	79.0	191.9	1.690	-19.25	48.6	SO312	.04000	9.2197	0.4	A
5005	25632.31	55 10N	59 55E	78.8	191.4	1.690	-19.95	50.3	SO312	.04000	9.2031	0.6	F
5006	25635.11	55 10N	59 55E	77.9	191.4	1.690	-19.95	50.3	SO312	.04000	9.4260	0.6	V
5007	25638.11	55 10N	59 54E	78.9	191.3	1.690	-19.95	50.4	SO312	.04000	9.2279	0.6	A
5008	25659.71	53 9N	60 33E	78.8	190.9	2.037	16.45	52.4	SO312	.04000	9.2362	0.4	F
5009	25664.31	53 2N	60 26E	77.3	190.8	2.037	15.05	52.5	SO312	.04000	9.5085	0.4	V
5010	25667.11	53 2N	60 27E	78.5	190.8	1.826	15.75	52.5	SO312	.04000	9.2609	0.4	A
5011	25668.51	52 57N	60 25E	78.5	190.8	1.826	15.75	52.6	SO312	.04000	9.2609	0.4	A
5012	25866.91	39 17N	55 30E	74.8	188.4	2.530	-6.30	63.5	SO312	.03080	9.9295	0.6	V
5013	26064.51	25 42N	52 25E	76.6	187.2	2.881	-9.80	70.9	SO312	.04000	9.5828	0.6	V
5014	26067.31	25 42N	52 25E	77.5	187.2	3.092	-9.80	70.9	SO312	.04000	9.3682	0.6	A
9001	25466.91	66 40N	66 23E	79.3	196.4	1.338	-15.05	39.8	SO312	.03070	9.1527	0.4	A
9002	25541.11	61 18N	63 10E	77.0	193.7	1.484	-10.85	44.9	SO312	.03070	9.4086	0.8	F
9003	25543.91	61 18N	63 10E	76.0	193.6	1.484	-10.50	44.9	SO312	.03070	9.6562	0.8	V
9004	25595.31	57 58N	60 6E	93.0	192.2	1.338	-37.80	47.7	SO312	.03070	7.8900	0.8	V
9005	25598.71	57 58N	60 6E	93.7	192.1	1.338	-37.45	47.7	SO312	.03070	7.7662	0.8	A
9006	25618.11	56 5N	60 44E	75.8	191.7	1.826	-9.45	49.6	SO312	.04070	9.5654	0.8	F
9007	25623.51	56 6N	60 44E	75.6	191.6	1.826	-8.75	49.6	SO312	.04070	9.6067	0.8	A
9008	25655.11	53 25N	60 58E	82.9	191.0	2.037	23.45	52.2	SO312	.03070	8.7896	0.4	F
9009	25726.11	48 44N	58 6E	74.9	189.9	2.181	-8.05	56.0	SO312	.04070	9.6974	0.6	F
9010	25728.71	48 44N	58 6E	74.0	189.9	2.181	-8.05	56.0	SO312	.04070	9.9285	0.6	V
9011	25731.51	48 33N	58 3E	73.9	189.8	2.181	-7.70	56.2	SO312	.04070	9.9368	0.6	V
9012	25734.31	48 33N	58 3E	74.8	189.8	2.181	-7.35	56.2	SO312	.04070	9.7140	0.6	A
9013	25749.91	47 9N	57 5E	80.6	189.6	2.037	-23.45	57.2	SO312	.03070	9.0537	0.8	F
9014	25752.71	47 9N	57 4E	79.1	189.6	2.037	-23.45	57.2	SO312	.03070	9.2848	1.0	V
9015	25997.51	30 10N	52 38E	88.3	187.5	2.490	-34.30	68.6	SO312	.03070	8.1871	0.8	F
9016	26004.71	29 40N	52 33E	88.1	187.5	2.390	-33.60	68.8	SO312	.03070	8.2037	1.0	F
9017	26007.71	29 41N	52 33E	86.8	187.5	2.390	-33.25	68.8	SO312	.03070	8.4512	1.2	V
351 9001	30655.51	73 50N	54 49E	81.9	204.4	0.995	14.70	32.8	SO312	.04070	8.8474	0.8	F
9002	30658.51	73 50N	54 46E	80.8	204.1	0.787	14.70	32.8	SO312	.05390	9.0702	0.8	V
9003	30664.71	73 22N	54 39E	84.3	203.5	0.995	21.35	33.3	SO312	.04070	8.6988	0.8	V
9004	30667.71	73 22N	54 40E	85.4	203.3	0.787	21.70	33.3	SO312	.04070	8.5008	1.0	A
9005	30824.51	63 2N	41 35E	80.3	194.5	1.338	-19.60	43.2	SO312	.04070	9.0124	0.8	F
9006	30827.31	63 2N	41 35E	79.2	194.4	1.338	-19.25	43.2	SO312	.04070	9.2683	1.2	V
9007	30830.71	63 0N	41 33E	80.1	194.3	1.338	-19.25	43.3	SO312	.04070	9.0702	0.6	A
9008	30848.51	61 39N	40 19E	84.1	193.7	1.338	-28.00	44.5	SO312	.04070	8.7236	0.6	V
9009	30851.51	61 40N	40 19E	85.0	193.6	1.338	-28.00	44.4	SO312	.04070	8.5420	0.6	A
9010	30876.71	59 28N	40 10E	76.3	192.9	1.690	-9.45	46.6	SO312	.04070	9.4994	0.6	F
9011	30883.91	59 25N	39 36E	79.9	192.7	1.690	-20.65	46.5	SO312	.04070	9.0950	0.4	A
9012	30911.51	56 55N	40 36E	86.5	192.1	1.826	27.30	49.1	SO312	.03070	8.4265	0.6	F
9013	30914.51	56 55N	40 36E	85.7	192.0	1.826	27.65	49.1	SO312	.03070	8.5833	0.6	V
9014	30926.51	56 9N	38 10E	79.5	191.7	1.690	-20.65	49.5	SO312	.04070	9.1115	0.8	F
9015	30929.31	56 9N	38 10E	78.4	191.7	1.690	-20.30	49.5	SO312	.04070	9.3673	0.8	V
9016	30934.31	55 36N	38 8E	77.5	191.6	1.690	-16.10	50.0	SO312	.04070	9.3508	1.0	F
9017	30937.31	55 35N	38 8E	76.5	191.5	1.690	-15.75	50.0	SO312	.04070	9.5984	0.4	V
9018	30939.91	55 36N	38 9E	77.3	191.5	1.690	-15.40	50.0	SO312	.04070	9.4086	0.8	A
9019	30945.11	55 5N	37 40E	79.2	191.4	1.690	-22.05	50.4	SO312	.04070	9.2765	0.4	V
9020	30948.11	55 4N	37 40E	79.9	191.3	1.690	-21.70	50.4	SO312	.04070	9.0950	0.4	A
9021	30953.91	54 16N	37 37E	77.3	191.2	1.826	-16.10	51.2	SO312	.04070	9.3756	0.8	F
9022	30956.71	54 16N	37 37E	76.2	191.1	1.826	-15.75	51.2	SO312	.04070	9.6232	1.2	V
9023	30960.11	54 13N	37 36E	77.0	191.1	1.826	-15.40	51.2	SO312	.04070	9.4251	0.6	A
9024	31008.31	50 36N	35 45E	85.0	190.3	1.690	-30.10	54.2	SO312	.03070	8.5090	1.0	F
9025	31011.31	50 36N	35 45E	83.7	190.2	1.690	-29.75	54.2	SO312	.03070	8.7649	1.0	V
9026	31019.11	49 60N	36 17E	74.6	190.1	2.037	-10.85	54.9	SO312	.04070	9.8543	0.6	V
9027	31021.91	49 59N	36 17E	75.4	190.1	2.037	-10.50	54.9	SO312	.04070	9.6397	0.6	A
9028	31031.31	48 56N	36 22E	74.6	189.9	2.181	1.40	55.9	SO312	.04070	9.7387	0.8	F
9029	31033.91	48 56N	36 22E	73.8	189.9	2.181	1.75	55.9	SO312	.04070	9.9615	0.6	V
9030	31038.71	48 27N	35 59E	74.6	189.8	2.181	-5.25	56.3	SO312	.04070	9.7305	0.6	F
9031	31041.31	48 27N	35 60E	73.7	189.8	2.181	-4.90	56.3	SO312	.04070	9.9698	0.6	V
9032	31047.51	47 54N	35 20E	78.2	189.7	2.037	-19.60	56.6	SO312	.03070	9.2765	0.8	F
9033	31050.31	47 54N	35 20E	77.1	189.7	2.037	-19.25	56.6	SO312	.03070	9.5241	0.8	V
9034	31051.71	47 48N	35 18E	77.1	189.7	2.037	-19.25	56.7	SO312	.03070	9.5241	0.6	V
9035	31054.51	47 48N	35 18E	77.9	189.6	2.037	-18.90	56.7	SO312	.03070	9.3343	0.6	A
9036	31061.51	46 55N	35 19E	75.4	189.6	2.181	-11.20	57.5	SO312	.03070	9.6149	0.8	F
9037	31066.91	46 55N	35 18E	75.4	189.5	2.390	-11.20	57.5	SO312	.03070	9.8314	0.8	A
9038	31080.31	45 26N	36 15E	87.4	189.3	2.181	29.05	59.2	SO312	.03070	8.3522	0.8	F
9039	31083.31	45 27N	36 16E	86.7	189.3	2.181	29.40	59.2	SO312	.03070	8.4843	1.0	V
9040	31089.51	45 3N	35 58E	83.3	189.2	2.037	25.55	59.4	SO312	.03070	8.8226	0.4	V
9041	31092.71	45 2N	35 58E	84.6	189.2	2.037	25.90	59.4	SO312	.03070	8.5585	0.4	A
9042	31166.91	39 56N	32 51E	81.9	188.5	2.390	-28.70	62.7	SO312	.03070	8.9629	0.4	V
9043	31169.91	39 56N	32 51E	82.7	188.4	2.390	-28.35	62.7	SO312	.03070	8.7979	0.4	A
9044	31227.71	35 23N	33 20E	84.2	188.0	2.530	24.15	66.7	SO312	.04070	8.6658	1.0	F
9045	31230.71	35 23N	33 20E	83.5	188.0	2.530	24.50	66.7	SO312	.04070	8.8061	0.8	V
9046	31240.31	34 44N	33 1E	80.0	187.9	2.530	19.25	67.0	SO312	.03070	9.1858	0.6	V
9047	31243.31	34 44N	33 1E	81.2	187.9	2.530	19.60	67.0	SO312	.03070	8.9052	0.6	A
9048	31295.71	30 52N	30 56E	82.2	187.6	2.738	-25.55	68.5	SO312	.01650	8.7979	0.8	F
9049	31298.51	30 52N	30 56E	81.1	187.6	2.738	-25.20	68.5	SO312	.01650	9.0455	0.8	V
9050	31305.91	30 9N	30 55E	79.8	187.5	2.738	-21.00	68.9	SO312	.01650	9.0702	1.0	F
9051	31308.91	30 9N	30 55E	78.8	187.5	2.738	-20.65	68.9	SO312	.01650	9.3096	0.8	V
9052	31314.11	29 35N	30 54E	78.6	187.5	2.738	-17.50	69.2	SO312	.01650	9.2188	0.8	F
9053	31316.91	29 35N	30 54E	77.6	187.5	2.738	-17.15	69.2	SO312	.02200	9.4581	0.8	V
9054	31872.11	8 42S	25 1E	102.4	186.6	2.738	23.10	57.0	SO312	.02200	7.0895	0.6	V
9055	31875.91	8 42S	25 2E	104.3	186.6	2.530	23.80	57.0	SO312	.02200	6.8337	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
351 9056	31999.11	17 28S	24 17E	134.5	186.8	1.690	40.60	49.8	SO312	.02200	5.3729	0.8	V
9057	32004.11	17 27S	24 17E	137.8	186.8	1.484	41.30	49.8	SO312	.02200	5.1500	0.8	A
9058	32147.91	27 46S	21 31E	117.0	187.3	2.530	19.60	40.0	SO312	.03070	6.1239	0.6	F
9059	32152.11	27 46S	21 31E	116.3	187.3	2.530	19.95	40.0	SO312	.03070	6.1982	0.6	V
9060	32229.11	33 1S	17 57E	139.6	187.7	2.738	-38.15	34.0	SO312	.03070	5.0840	0.4	F
9061	32234.11	33 1S	17 58E	130.9	187.8	2.881	-37.45	34.0	SO312	.03070	5.2408	0.4	V
9062	32241.31	33 53S	18 32E	120.5	187.8	2.881	-22.75	33.6	SO312	.03070	5.8928	0.6	F
9063	32242.91	33 59S	18 30E	121.0	187.8	2.881	-22.75	33.4	SO312	.03070	5.8681	0.6	F
9064	32245.71	33 53S	18 32E	119.2	187.8	2.881	-22.40	33.6	SO312	.03070	6.0249	0.6	V
9065	32247.31	33 59S	18 30E	119.7	187.9	2.881	-22.40	33.5	SO312	.03070	6.0001	0.6	V
9066	32250.11	34 11S	18 26E	120.2	187.9	2.881	-22.75	33.3	SO312	.04070	5.9753	0.4	V
9067	32254.71	34 11S	18 27E	121.6	187.9	3.092	-22.40	33.3	SO312	.04070	5.8433	0.4	A
352 5001	36264.71	54 1N	16 1E	74.9	191.1	2.037	-0.35	51.5	SO312	.04000	9.7066	0.8	F
5002	36267.51	54 1N	16 1E	74.1	191.1	2.037	0.00	51.6	SO312	.04000	9.9212	0.6	V
5003	36277.31	53 29N	14 30E	85.8	190.9	1.690	-31.85	51.8	SO312	.03080	8.5593	0.8	V
5004	36280.51	53 29N	14 31E	86.5	190.9	1.690	-31.50	51.8	SO312	.03080	8.4190	0.8	A
5005	36293.11	52 22N	14 31E	79.2	190.6	1.690	-22.75	52.8	SO312	.04000	9.2692	0.6	V
5006	36295.91	52 23N	14 31E	80.2	190.6	2.037	-23.10	52.8	SO312	.03080	9.0793	0.8	A
5007	36306.31	51 17N	13 55E	83.7	190.4	1.826	-28.70	53.7	SO312	.03080	8.6336	0.6	F
5008	36309.11	51 18N	13 55E	82.8	190.4	1.826	-28.70	53.7	SO312	.03080	8.8565	0.6	V
5009	36318.51	50 20N	14 55E	75.4	190.2	2.181	7.00	54.8	SO312	.04000	9.6489	1.8	F
5010	36322.51	50 15N	14 53E	74.6	190.2	2.181	7.00	54.9	SO312	.04000	9.8552	0.4	V
5011	36332.91	49 38N	13 43E	77.5	190.0	2.037	-20.65	55.2	SO312	.02210	9.4755	0.4	V
5012	36335.71	49 39N	13 43E	78.3	190.0	2.037	-20.30	55.2	SO312	.02210	9.3022	0.4	A
5013	36345.31	48 53N	14 18E	74.8	189.9	2.181	3.85	56.0	SO312	.04000	9.7231	0.6	A
5014	36376.31	46 16N	14 22E	86.4	189.5	2.037	28.35	58.5	SO312	.03080	8.4438	0.6	F
5015	36379.31	46 17N	14 22E	85.8	189.4	2.037	28.70	58.5	SO312	.03080	8.5758	0.6	V
5016	36385.91	45 41N	13 46E	79.1	189.4	2.181	17.50	58.8	SO312	.03080	9.2031	0.8	F
5017	36388.71	45 41N	13 46E	78.4	189.3	2.181	17.85	58.8	SO312	.03080	9.3600	0.6	V
5018	36517.11	36 50N	10 11E	80.5	188.1	2.390	-23.80	65.0	SO312	.03080	9.0050	0.4	F
5019	36519.91	36 50N	10 10E	79.6	188.1	2.390	-23.80	65.0	SO312	.03080	9.2197	0.6	V
5020	36522.71	36 50N	10 10E	80.5	188.1	2.390	-23.45	65.0	SO312	.03080	9.0546	0.8	A
5021	36548.31	34 45N	10 47E	77.9	187.9	2.530	15.05	66.9	SO312	.04000	9.4343	0.6	V
5022	36551.31	34 45N	10 46E	79.1	187.9	2.530	15.40	66.9	SO312	.04000	9.1701	0.6	A
9001	36188.91	59 21N	18 7E	74.9	192.8	1.690	-6.30	46.7	SO312	.04070	9.8047	0.6	V
9002	36191.71	59 21N	18 8E	75.7	192.7	1.690	-5.95	46.7	SO312	.04070	9.5902	0.6	A
9003	36255.11	54 36N	16 51E	78.5	191.3	2.037	15.05	51.1	SO312	.04070	9.2600	0.4	F
9004	36257.91	54 35N	16 51E	77.7	191.3	1.826	15.40	51.1	SO312	.04070	9.4664	0.4	V
9005	36284.71	52 58N	14 26E	84.0	190.8	1.690	-29.75	52.2	SO312	.03070	8.7401	0.8	V
9006	36287.71	52 58N	14 26E	84.7	190.7	1.690	-29.40	52.2	SO312	.03070	8.5915	0.8	A
9007	36292.91	52 22N	14 32E	79.2	190.6	1.690	-22.75	52.8	SO312	.03070	9.2683	0.6	V
9008	36295.91	52 22N	14 31E	80.2	190.6	2.037	-23.10	52.8	SO312	.03070	9.0785	0.6	A
9009	36299.31	51 57N	14 20E	79.7	190.5	1.826	-23.80	53.2	SO312	.03070	9.2023	0.6	V
9010	36302.31	51 56N	14 19E	80.7	190.5	2.037	-24.15	53.2	SO312	.03070	9.0042	0.6	A
9011	36362.31	47 50N	13 2E	80.0	189.6	2.181	-23.45	56.6	SO312	.02200	9.0950	0.6	A
9012	36395.91	44 56N	13 56E	86.1	189.2	2.181	27.65	59.6	SO312	.03070	8.4512	1.2	F
9013	36402.11	44 56N	13 56E	86.8	189.2	1.826	28.70	59.6	SO312	.03070	8.3192	1.2	A
9014	36535.71	35 51N	10 39E	75.2	188.0	2.738	1.40	66.0	SO312	.03070	9.6314	0.8	A
353 5001	42099.71	18 6N	15 58W	89.2	186.8	2.881	-31.15	71.2	SO312	.02210	8.2044	0.6	V
5002	42102.91	18 7N	15 58W	90.2	186.8	3.092	-31.15	71.2	SO312	.02210	8.0558	0.6	A
354 5001	47752.91	6 9S	40 41W	107.1	186.5	2.530	28.70	59.2	SO312	.02210	6.7435	1.0	F
5002	47979.51	21 23S	45 55W	134.0	187.0	2.738	-42.35	44.6	SO312	.02210	5.3155	1.4	F
5003	47991.91	22 14S	45 56W	129.3	187.0	2.881	-39.20	43.9	SO312	.02210	5.5219	0.6	F
5004	47996.31	22 13S	45 51W	124.7	187.0	3.092	-37.45	44.0	SO312	.02210	5.8025	0.4	V
5005	48000.91	22 13S	45 51W	126.1	187.1	3.092	-37.10	44.0	SO312	.02210	5.6869	0.4	A
5006	48021.31	23 54S	46 20W	130.5	187.1	2.881	-39.55	42.4	SO312	.03080	5.5219	0.8	V
5007	48026.31	23 55S	46 18W	130.5	187.1	3.092	-38.50	42.4	SO312	.03080	5.4888	1.0	A
9001	47707.51	2 50S	41 43W	98.7	186.5	3.232	-28.00	60.7	SO312	.02200	7.2711	1.4	F
9002	47720.71	3 52S	40 46W	93.9	186.5	3.092	13.65	60.7	SO312	.03070	7.6920	1.4	F
9003	47730.71	4 13S	41 46W	93.7	186.5	3.439	-21.00	59.8	SO312	.03070	7.7662	1.4	V
9004	47742.31	5 17S	41 31W	90.8	186.5	3.439	-5.60	59.2	SO312	.03070	7.9313	1.4	F
9005	47769.91	6 48S	43 3W	120.2	186.6	3.092	-43.40	57.1	SO312	.02200	6.0331	1.4	V
9006	47789.51	8 7S	41 9W	105.9	186.6	2.390	25.90	57.5	SO312	.02200	6.7264	1.4	A
9007	47805.91	9 42S	41 50W	96.7	186.6	3.092	11.20	55.9	SO312	.03070	7.4526	1.4	F
9008	47815.91	10 5S	42 25W	93.2	186.6	3.439	-6.65	55.2	SO312	.03070	7.7910	1.4	V
9009	47827.11	11 2S	43 8W	102.5	186.6	3.232	-25.55	54.1	SO312	.03070	6.9822	1.4	F
9010	47838.11	11 23S	42 30W	95.0	186.6	3.232	-1.05	54.2	SO312	.03070	7.5269	1.4	A
9011	47861.91	13 24S	41 26W	128.4	186.7	1.826	39.90	53.3	SO312	.02200	5.6452	1.4	V
9012	47869.11	14 11S	41 43W	124.4	186.7	2.037	36.40	52.5	SO312	.02200	5.7855	1.4	F
9013	47878.91	14 11S	42 46W	98.9	186.7	3.092	7.00	52.0	SO312	.03070	7.2133	1.2	A
9014	47909.11	16 40S	43 48W	100.2	186.8	3.232	-13.30	49.4	SO312	.03070	7.1473	1.4	F
9015	47919.11	17 17S	44 55W	124.7	186.8	2.881	-39.55	48.3	SO312	.02200	5.7112	1.4	F
9016	47925.31	17 9S	44 38W	115.9	186.8	3.439	-33.60	48.6	SO312	.02200	6.1817	1.4	A
9017	47932.31	18 11S	45 11W	128.5	186.8	2.881	-41.30	47.5	SO312	.02200	5.5379	1.4	F
9018	47940.51	18 13S	44 35W	109.9	186.9	3.439	-26.95	47.8	SO312	.03070	6.5200	0.6	A
9019	47944.71	18 45S	44 54W	114.6	186.9	3.232	-32.55	47.2	SO312	.03070	6.3055	1.4	V
9020	47955.31	19 37S	43 54W	100.4	186.9	3.092	2.45	47.1	SO312	.03070	7.2050	1.4	V
9021	47959.31	19 38S	43 55W	101.9	186.9	3.092	2.45	47.0	SO312	.03070	6.9905	0.8	A
9022	47961.91	19 48S	43 57W	102.0	186.9	3.092	2.45	46.9	SO312	.03070	6.9822	2.0	A
9023	47985.71	21 32S	45 28W	116.7	187.0	3.092	-32.20	44.7	SO312	.03070	6.1982	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
354 9024	47991.91	22 14S	45 56W	128.8	187.0	2.881	-39.20	43.9	SO312	.02200	5.5214	1.4	F
9025	48005.71	23 11S	45 51W	121.0	187.1	2.881	-33.25	43.2	SO312	.03070	5.8763	1.4	F
9026	48009.91	23 10S	45 51W	119.7	187.1	3.092	-33.25	43.2	SO312	.03070	6.0331	1.4	V
9027	48014.91	23 13S	45 51W	120.7	187.1	3.092	-32.55	43.2	SO312	.03070	5.9258	0.6	A
9028	48025.71	23 53S	46 17W	130.4	187.1	3.092	-38.50	42.4	SO312	.02200	5.4484	1.4	A
355 5001	52820.71	10 41N	61 31W	91.9	186.6	3.092	-30.80	69.1	SO312	.02210	7.9485	0.4	V
5002	52824.11	10 41N	61 31W	92.7	186.6	3.092	-30.10	69.1	SO312	.02210	7.8247	0.4	A
5003	53130.11	10 48S	65 23W	107.1	186.6	3.232	-30.80	54.2	SO312	.03080	6.6939	0.8	F
5004	53133.91	10 47S	65 23W	105.8	186.6	3.232	-30.45	54.2	SO312	.03080	6.8508	0.8	V
5005	53321.31	24 11S	65 15W	143.6	187.1	1.826	40.95	43.6	SO312	.02210	4.9853	1.4	F
5006	53343.31	25 36S	65 54W	130.1	187.2	2.087	33.95	42.2	SO312	.02210	5.5136	0.6	F
5007	53347.91	25 36S	65 55W	129.3	187.2	1.826	34.30	42.2	SO312	.02210	5.5879	0.6	V
5008	53437.71	31 30S	68 37W	109.4	187.6	2.881	-3.85	36.6	SO312	.03080	6.5454	0.8	V
5009	53445.51	31 38S	69 30W	119.9	187.7	3.232	-25.20	35.6	SO312	.03080	5.9511	0.6	A
5010	53454.91	32 48S	70 37W	143.8	187.7	2.738	-40.95	34.1	SO312	.02210	4.9276	0.6	F
5011	53505.91	35 51S	69 12W	116.0	188.0	2.530	6.65	32.1	SO312	.03080	6.0996	1.0	A
5012	53541.91	38 30S	70 20W	115.6	188.3	2.738	-5.60	29.4	SO312	.03080	6.2069	1.0	V
5013	53546.71	38 31S	70 25W	118.0	188.3	2.738	-7.00	29.4	SO312	.03080	6.0006	0.8	A
5014	53562.91	40 8S	71 21W	123.3	188.5	2.738	-18.90	27.7	SO312	.03080	5.7530	0.8	F
5015	53567.91	39 53S	71 5W	121.3	188.5	2.738	-14.00	28.0	SO312	.03080	5.8603	0.8	A
5016	53570.31	40 3S	71 7W	121.1	188.5	2.738	-14.00	27.8	SO312	.03080	5.8520	0.8	A
5017	53594.11	42 0S	71 9W	118.5	188.8	2.530	-3.50	26.2	SO312	.04000	6.0419	1.0	V
5018	53602.51	42 53S	71 8W	120.4	188.8	2.390	1.40	25.4	SO312	.04000	5.8933	1.0	F
5019	53607.11	42 53S	71 18W	119.6	188.9	2.390	-1.75	25.4	SO312	.04000	5.9841	0.6	V
5020	53614.91	42 54S	72 41W	135.0	188.9	2.738	-28.00	24.9	SO312	.03080	5.2495	1.0	A
5021	53627.31	44 1S	70 26W	133.7	189.1	1.690	22.05	24.7	SO312	.03080	5.2577	1.0	A
5022	53721.91	50 18S	72 13W	138.9	190.2	1.484	21.35	18.7	SO312	.04000	5.0514	1.2	A
9001	52866.11	7 32N	61 53W	88.7	186.6	3.232	-24.50	67.7	SO312	.03070	8.2202	1.4	V
9002	52887.31	5 47N	61 30W	84.0	186.5	3.232	2.10	67.3	SO312	.04070	8.6163	1.2	F
9003	52895.71	5 39N	61 48W	84.3	186.5	3.439	-8.05	67.0	SO312	.03070	8.5503	0.6	A
9004	52904.51	4 47N	61 29W	86.0	186.5	3.092	10.50	66.9	SO312	.03070	8.4925	0.8	V
9005	52908.71	4 30N	61 32W	86.0	186.5	3.092	10.50	66.7	SO312	.03070	8.4925	0.6	V
9006	52913.91	4 23N	61 44W	85.7	186.5	3.232	3.50	66.4	SO312	.03070	8.3852	1.2	A
9007	52935.31	2 51N	60 40W	126.0	186.5	1.690	44.45	66.5	SO312	.01650	5.6617	1.2	A
9008	53098.31	8 44S	63 53W	94.7	186.6	3.232	7.35	56.6	SO312	.03070	7.6094	1.2	F
9009	53104.61	8 41S	63 54W	95.2	186.6	3.092	7.70	56.7	SO312	.03070	7.5021	1.0	A
9010	53129.51	10 46S	65 22W	107.0	186.6	3.232	-30.80	54.2	SO312	.02200	6.6934	1.8	F
9011	53142.11	10 58S	66 3W	128.7	186.6	3.232	-44.80	53.6	SO312	.02200	5.5742	1.4	A
9012	53166.11	13 34S	63 38W	127.1	186.7	2.181	37.80	53.1	SO312	.02200	5.6617	1.2	F
9013	53183.11	13 48S	66 19W	120.4	186.7	3.439	-39.20	51.4	SO312	.02200	5.9753	1.6	A
9014	53189.71	14 15S	66 28W	122.9	186.7	3.232	-40.25	51.0	SO312	.02200	5.8433	1.4	A
9015	53201.71	15 30S	65 33W	97.3	186.7	3.232	-8.05	50.5	SO312	.03070	7.4444	1.4	V
9016	53221.31	16 35S	65 45W	99.5	186.8	3.439	-8.05	49.6	SO312	.03070	7.1720	0.6	A
9017	53233.31	17 22S	66 10W	101.2	186.8	3.439	-16.45	48.7	SO312	.02200	7.0565	1.4	A
9018	53243.71	18 1S	66 40W	108.3	186.9	3.439	-28.00	48.0	SO312	.03070	6.6026	1.4	A
9019	53249.11	18 25S	66 32W	104.1	186.9	3.439	-21.70	47.7	SO312	.03070	6.8867	1.4	A
9020	53256.31	18 53S	66 46W	107.7	186.9	3.439	-25.55	47.2	SO312	.03070	6.6438	0.4	A
9021	53270.71	20 25S	66 50W	104.4	186.9	3.232	-19.95	46.0	SO312	.03070	6.8584	1.4	F
9022	53278.71	20 46S	66 23W	99.1	187.0	3.092	-3.15	45.9	SO312	.03070	7.2958	1.4	V
9023	53292.11	21 30S	64 41W	147.3	187.0	1.484	43.75	46.2	SO312	.02200	4.8034	1.4	A
9024	53306.11	22 39S	66 31W	101.0	187.0	2.738	4.90	44.3	SO312	.03070	7.1555	1.0	V
9025	53312.11	23 19S	66 30W	104.0	187.1	2.881	8.40	43.8	SO312	.03070	6.8914	1.0	F
9026	53367.91	26 38S	66 1W	135.7	187.3	1.690	36.05	41.3	SO312	.02200	5.1996	1.4	A
9027	53377.51	27 36S	66 20W	130.0	187.3	1.826	32.90	40.3	SO312	.02200	5.5462	1.4	V
9028	53397.91	29 11S	67 25W	113.6	187.4	2.738	14.35	38.5	SO312	.03070	6.2972	1.4	F
9029	53408.11	29 20S	66 49W	130.0	187.5	1.826	30.10	38.6	SO312	.03070	5.4306	1.6	A
9030	53460.11	33 10S	70 38W	142.2	187.8	2.738	-39.90	33.8	SO312	.02200	4.9767	0.6	F
9031	53463.91	33 26S	70 32W	137.1	187.8	2.738	-37.10	33.6	SO312	.03070	5.1660	0.4	F
9032	53465.71	33 33S	70 34W	137.5	187.8	2.738	-37.10	33.5	SO312	.03070	5.1500	0.6	F
9033	53468.71	33 25S	70 32W	135.4	187.8	2.738	-36.75	33.6	SO312	.03070	5.3069	0.6	V
9034	53474.91	33 28S	70 41W	141.0	187.8	3.092	-38.85	33.5	SO312	.03070	5.0428	2.0	A
9035	53491.31	34 34S	70 59W	142.8	187.9	3.092	-39.20	32.5	SO312	.03070	4.9767	0.8	A
9036	53529.31	37 52S	71 0W	124.8	188.2	2.738	-24.50	29.7	SO312	.03070	5.6865	1.4	F
9037	53535.31	38 1S	70 36W	117.6	188.3	2.738	-14.70	29.7	SO312	.03070	6.0991	1.4	V
9038	53554.11	38 54S	71 18W	126.4	188.4	2.881	-24.15	28.7	SO312	.02200	5.6040	1.4	A
9039	53567.71	39 53S	71 5W	120.9	188.5	2.738	-14.00	28.0	SO312	.03070	5.8598	1.4	A
9040	53577.11	41 10S	70 51W	118.4	188.6	2.530	-2.45	27.0	SO312	.03070	6.0001	1.4	F
9041	53581.51	41 11S	70 52W	117.3	188.6	2.530	-2.10	27.0	SO312	.03070	6.1074	1.4	V
9042	53585.91	41 10S	70 52W	119.1	188.7	2.530	-1.75	27.0	SO312	.03070	5.9258	1.4	A
356 5001	57711.91	38 55N	76 60W	74.8	188.4	2.530	2.80	64.0	SO312	.02210	9.7231	1.2	F
5002	57717.31	38 55N	76 60W	75.1	188.3	2.530	3.50	64.0	SO312	.02210	9.6736	1.2	A
9001	57711.91	38 55N	76 60W	74.9	188.4	2.530	2.80	64.0	SO312	.02200	9.7222	1.2	F
9002	57717.31	38 55N	76 60W	75.1	188.3	2.530	3.50	64.0	SO312	.02200	9.6727	1.2	A
9003	57898.71	26 17N	80 7W	76.3	187.2	2.881	-9.45	70.8	SO312	.02200	9.6067	7.2	V
9004	57943.11	23 5N	81 14W	85.5	187.1	2.881	-27.65	71.1	SO312	.03070	8.4430	1.4	F
9005	57949.11	23 5N	81 11W	84.1	187.1	3.092	-25.55	71.2	SO312	.03070	8.6246	1.0	A
9006	57960.31	22 12N	80 37W	78.4	187.0	3.092	3.85	72.0	SO312	.03070	9.2188	0.6	A
363 5001	8317.11	49 26N	130 7E	82.9	189.9	2.181	-28.00	55.5	SO312	.03080	8.7822	0.4	A
5002	8386.71	44 33N	129 35E	73.9	189.1	2.390	-1.40	59.7	SO312	.03080	9.7809	0.6	A
5003	8390.71	44 6N	129 20E	73.5	189.1	2.390	-5.60	60.1	SO312	.03080	10.0038	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
363 5004	8404.51	43 27N	128 25E	82.6	188.9	2.390	-28.35	60.3	SO312	.03080	8.8152	0.4	A
5005	8412.71	42 29N	128 9E	83.1	188.8	2.181	-29.05	61.0	SO312	.03080	8.7327	0.4	F
5006	8418.11	42 29N	128 19E	79.7	188.8	2.390	-24.15	61.1	SO312	.03080	9.1371	0.6	A
5007	8433.51	41 25N	128 11E	77.6	188.6	2.390	-19.60	62.0	SO312	.03080	9.3847	0.4	A
5008	8450.51	39 52N	127 38E	81.0	188.5	2.530	-25.55	63.0	SO312	.03080	8.9308	1.0	F
5009	8453.51	39 52N	127 36E	80.4	188.5	2.530	-25.90	63.0	SO312	.03080	9.1289	0.8	V
5010	8457.71	39 23N	127 27E	82.1	188.4	2.530	-27.30	63.3	SO312	.04000	8.8152	0.4	F
5011	8460.51	39 23N	127 27E	81.1	188.4	2.530	-26.95	63.3	SO312	.04000	9.0463	1.2	V
5012	8464.31	39 20N	127 26E	81.9	188.4	2.530	-26.60	63.4	SO312	.04000	8.8695	0.4	A
5013	8468.31	38 39N	127 25E	78.9	188.3	2.530	-22.75	63.9	SO312	.03080	9.1784	0.6	F
5014	8471.11	38 39N	127 25E	77.9	188.3	2.530	-22.40	63.9	SO312	.03080	9.4260	0.4	V
5015	8476.31	38 20N	126 58E	86.4	188.3	2.181	-33.25	64.0	SO312	.02210	8.5181	0.6	V
5016	8512.31	36 1N	126 43E	81.0	188.0	2.738	-24.85	65.7	SO312	.03080	8.9885	1.0	A
9001	8350.31	47 2N	130 14E	74.3	189.5	2.390	-3.85	57.7	SO312	.03070	9.7717	0.4	A
9002	8380.11	44 38N	129 33E	74.1	189.2	2.390	-3.85	59.6	SO312	.03070	9.8047	0.4	F
9003	8381.91	44 31N	129 31E	74.1	189.1	2.390	-3.85	59.7	SO312	.03070	9.8047	0.6	F
9004	8386.11	44 35N	129 35E	74.3	189.1	2.390	-1.40	59.7	SO312	.03070	9.7800	0.6	A
9005	8393.91	44 4N	129 21E	74.3	189.0	2.390	-4.20	60.1	SO312	.03070	9.7717	0.8	A
9006	8422.91	41 56N	128 25E	75.2	188.7	2.390	-16.80	61.6	SO312	.03070	9.7635	0.6	V
9007	8425.71	41 56N	128 25E	76.0	188.7	2.390	-16.45	61.6	SO312	.03070	9.5654	0.6	A
9008	8430.71	41 24N	128 12E	76.4	188.7	2.390	-19.25	62.0	SO312	.03070	9.6149	0.6	V
9009	8437.91	40 43N	128 9E	75.7	188.6	2.390	-15.40	62.5	SO312	.02200	9.5737	0.6	F
9010	8440.71	40 42N	128 9E	74.8	188.6	2.390	-15.05	62.6	SO312	.03070	9.8212	0.6	V
9011	8445.91	40 34N	127 53E	78.6	188.5	2.530	-22.40	62.6	SO312	.02200	9.2435	1.0	A
9012	8477.11	38 16N	126 57E	86.3	188.3	2.181	-33.25	64.0	SO312	.02200	8.5173	0.8	V
9013	8482.11	37 57N	126 38E	92.9	188.2	2.181	-39.20	64.1	SO312	.02200	7.9148	1.0	V
9014	8485.71	37 56N	126 37E	94.1	188.2	2.181	-39.20	64.1	SO312	.02200	7.7250	0.6	A
9015	8499.71	36 27N	127 20E	75.1	188.1	2.738	-8.05	65.7	SO312	.02200	9.6644	0.8	F
9016	8505.11	36 27N	127 20E	75.1	188.1	2.738	-7.35	65.7	SO312	.02200	9.6727	0.8	A
364 5001	13643.11	47 49N	107 11E	89.5	189.7	1.690	-36.05	56.7	SO312	.02210	8.0806	0.4	F
5002	13646.11	47 49N	107 11E	88.1	189.7	1.690	-35.70	56.7	SO312	.02210	8.3282	0.6	V
5003	13652.71	47 33N	107 19E	84.5	189.6	2.037	-31.15	57.0	SO312	.03080	8.6336	0.6	A
5004	13667.51	46 22N	108 25E	76.0	189.4	2.181	11.90	58.4	SO312	.03080	9.5581	0.6	A
5005	13764.51	39 49N	105 45E	76.4	188.4	2.530	-16.80	63.2	SO312	.03080	9.5168	0.6	A
5006	13779.31	38 31N	106 17E	76.3	188.3	2.530	12.95	64.5	SO312	.03080	9.6324	0.6	V
5007	13782.11	38 31N	106 17E	77.5	188.3	2.530	13.30	64.5	SO312	.03080	9.3765	0.6	A
5008	13822.91	35 24N	105 1E	73.7	188.0	2.738	-6.65	66.4	SO312	.03080	9.8470	0.4	F
5009	13830.71	34 60N	105 20E	74.6	187.9	2.738	9.10	66.9	SO312	.03080	9.8387	0.4	V
5010	13897.31	30 31N	103 29E	79.7	187.5	2.738	-23.10	68.9	SO312	.02210	9.2114	0.6	V
5011	13898.91	30 24N	103 27E	79.7	187.5	2.738	-23.10	68.9	SO312	.02210	9.2031	0.6	V
5012	13904.71	29 48N	103 29E	78.5	187.5	2.881	-17.85	69.3	SO312	.02210	9.2279	0.6	F
5013	13907.51	29 48N	103 29E	77.6	187.5	2.881	-17.50	69.3	SO312	.02210	9.4508	0.6	V
5014	13912.91	29 15N	103 4E	83.9	187.5	2.738	-28.35	69.3	SO312	.02210	8.6254	0.4	F
5015	13915.91	29 15N	103 4E	82.8	187.4	2.738	-28.00	69.3	SO312	.02210	8.8565	0.4	V
5016	13963.31	25 56N	102 50E	75.6	187.2	3.092	-12.95	70.9	SO312	.03080	9.6984	0.6	V
5017	13966.11	25 56N	102 49E	76.6	187.2	3.092	-12.60	70.9	SO312	.03080	9.4920	0.6	A
5018	13970.91	25 13N	102 45E	76.3	187.2	3.092	-10.50	71.1	SO312	.03080	9.5085	0.4	F
5019	13974.71	24 57N	102 48E	76.0	187.2	3.092	-6.30	71.3	SO312	.03080	9.5498	0.8	F
5020	13977.51	24 57N	102 48E	75.2	187.2	3.092	-5.95	71.3	SO312	.03080	9.7562	0.8	V
5021	13983.51	24 42N	102 56E	76.5	187.1	3.092	2.10	71.5	SO312	.03080	9.4673	0.4	A
5022	13992.51	23 42N	102 46E	76.7	187.1	3.092	2.10	71.8	SO312	.03080	9.4673	0.6	F
5023	13995.31	23 42N	102 46E	76.0	187.1	3.092	2.45	71.8	SO312	.03080	9.6489	0.6	V
5024	13999.31	23 25N	102 45E	76.3	187.1	3.092	4.55	71.9	SO312	.03080	9.6076	0.6	V
5025	14002.11	23 25N	102 45E	77.4	187.1	3.092	4.90	71.9	SO312	.03080	9.3600	0.6	A
5026	14281.91	3 48N	98 42E	87.5	186.5	3.439	-15.75	65.6	SO312	.03080	8.2374	0.6	F
5027	14284.91	3 49N	98 42E	86.5	186.5	3.439	-15.05	65.6	SO312	.04000	8.4355	0.8	V
9001	13562.91	53 36N	109 54E	76.7	190.9	2.037	-16.10	52.0	SO312	.03070	9.4664	0.4	A
9002	13591.11	51 15N	109 34E	74.1	190.4	2.181	-2.80	54.1	SO312	.03070	9.7965	0.4	F
9003	13597.91	51 12N	109 14E	75.0	190.3	2.181	-11.20	54.1	SO312	.03070	9.6809	0.4	A
9004	13667.71	46 21N	108 25E	76.7	189.4	2.181	11.90	58.4	SO312	.03070	9.5571	0.4	A
9005	13804.31	36 44N	104 35E	84.6	188.1	2.390	-31.15	65.1	SO312	.03070	8.5503	0.6	F
9006	13807.31	36 44N	104 35E	83.4	188.1	2.390	-30.80	65.1	SO312	.03070	8.8061	0.6	V
9007	13838.51	34 37N	105 39E	82.7	187.9	2.390	23.45	67.3	SO312	.03070	8.7401	0.4	A
9008	13875.71	31 44N	104 28E	75.4	187.7	2.881	3.85	68.7	SO312	.03070	9.6397	1.0	F
9009	13881.11	31 44N	104 28E	75.7	187.6	2.881	4.90	68.7	SO312	.03070	9.5654	1.0	A
9010	13890.31	30 48N	103 32E	80.8	187.6	2.738	-23.80	68.7	SO312	.03070	8.9547	0.4	F
9011	13893.11	30 48N	103 32E	79.7	187.6	2.738	-23.45	68.7	SO312	.03070	9.2023	0.4	V
9012	13949.31	27 0N	103 57E	83.5	187.3	2.530	23.10	71.3	SO312	.03070	8.6493	0.4	A
9013	14008.11	23 1N	102 27E	77.6	187.1	3.092	-4.20	71.7	SO312	.03070	9.3261	0.6	A
9014	14033.71	21 19N	101 40E	82.1	187.0	3.092	-22.40	71.5	SO312	.03070	8.8309	0.4	A
9015	14052.51	19 56N	102 9E	79.9	186.9	3.092	7.70	72.3	SO312	.03070	9.0290	1.4	A
9016	14137.11	13 46N	100 33E	81.7	186.7	3.232	-12.25	70.8	SO312	.03070	8.8474	1.0	F
9017	14140.11	13 46N	100 33E	80.9	186.7	3.232	-12.25	70.8	SO312	.03070	9.0455	0.8	V
9018	14143.31	13 45N	100 32E	81.9	186.7	3.232	-11.90	70.8	SO312	.03070	8.8226	0.8	A
9019	14151.51	12 42N	100 56E	83.8	186.7	3.092	11.20	70.9	SO312	.03070	8.6576	0.6	F
9020	14154.31	12 43N	100 56E	83.1	186.7	3.092	11.55	70.9	SO312	.03070	8.8061	0.6	V
9021	14287.91	3 36N	98 41E	86.5	186.5	3.439	-14.70	65.5	SO312	.03070	8.4347	0.6	V
9022	14291.11	3 36N	98 41E	87.5	186.5	3.439	-14.00	65.5	SO312	.02200	8.2367	1.4	A
365 5001	18840.71	55 9N	89 19E	75.6	191.5	2.037	7.35	50.8	SO312	.03080	9.6158	0.6	F
5002	18843.51	55 8N	89 19E	74.8	191.4	2.037	7.70	50.8	SO312	.03080	9.8139	0.6	V
5003	18844.91	55 3N	89 17E	74.8	191.4	2.037	7.70	50.9	SO312	.03080	9.8222	0.6	V
5004	18847.71	55 2N	89 17E	75.8	191.3	2.037	8.05	50.9	SO312	.03080	9.5911	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
365 5005	19108.11	36 58N	82 51E	78.0	188.1	2.530	-21.00	65.1	SO312	.03080	9.2774	0.6	F
5006	19113.91	36 45N	82 53E	75.7	188.1	2.530	-18.20	65.3	SO312	.02210	9.6984	0.4	V
5007	19116.51	36 46N	82 53E	76.6	188.1	2.738	-18.20	65.3	SO312	.02210	9.5085	0.6	A
5008	19262.91	26 41N	80 52E	77.8	187.3	3.092	-12.25	70.7	SO312	.03080	9.3352	0.4	A
9001	19336.31	21 6N	79 34E	82.2	187.0	3.092	-21.35	71.6	SO312	.03070	8.7896	0.4	F
9002	19344.11	21 7N	79 34E	81.9	187.0	3.092	-20.30	71.6	SO312	.03070	8.8474	0.4	A
9003	19460.51	12 36N	78 49E	83.9	186.7	3.092	11.90	70.9	SO312	.03070	8.6493	0.6	F
9004	19463.51	12 36N	78 49E	83.2	186.7	3.092	12.25	70.9	SO312	.03070	8.7896	0.6	V
366 5001	23877.51	73 32N	80 34E	78.9	203.1	0.787	-7.70	33.4	SO312	.05370	9.2114	0.6	A
5002	24108.51	58 11N	68 17E	75.3	192.3	1.826	0.70	48.1	SO312	.04000	9.6654	0.8	A
5003	24198.31	51 38N	66 21E	80.8	190.5	2.037	20.65	54.0	SO312	.03080	9.0133	0.4	F
5004	24201.11	51 38N	66 21E	80.1	190.5	2.037	21.00	54.0	SO312	.03080	9.1784	0.4	V
5005	24202.31	51 33N	66 19E	80.1	190.5	2.037	21.00	54.1	SO312	.03080	9.1784	0.4	V
5006	24205.11	51 34N	66 19E	81.2	190.4	1.826	21.35	54.1	SO312	.03080	8.9390	0.6	A
5007	24210.31	50 59N	66 17E	83.0	190.4	2.037	25.20	54.6	SO312	.03080	8.8647	0.4	V
5008	24213.31	50 60N	66 17E	84.1	190.3	1.826	25.55	54.6	SO312	.03080	8.6419	0.6	A
5009	24282.31	46 3N	63 19E	75.7	189.4	2.181	-13.30	58.5	SO312	.03080	9.5828	1.4	F
5010	24285.91	45 59N	63 18E	74.9	189.4	2.390	-13.30	58.5	SO312	.03080	9.8139	0.4	V
5011	24409.31	37 38N	61 52E	78.0	188.2	2.530	13.65	65.2	SO312	.02210	9.3104	0.6	A
5012	24426.51	36 11N	60 32E	78.8	188.1	2.530	-21.70	65.7	SO312	.02210	9.1866	0.6	F
5013	24429.31	36 10N	60 32E	77.9	188.0	2.530	-21.35	65.7	SO312	.02210	9.4260	0.6	V
9001	24133.31	56 40N	66 17E	84.6	191.7	1.690	-29.05	49.2	SO312	.03070	8.5915	0.4	A
9002	24151.91	55 24N	65 50E	83.5	191.4	1.826	-28.00	50.4	SO312	.03070	8.6988	0.4	A
9003	24201.91	51 34N	66 19E	80.1	190.5	2.037	21.00	54.1	SO312	.03070	9.1775	0.8	V
9004	24204.91	51 34N	66 19E	81.2	190.4	1.826	21.35	54.1	SO312	.03070	8.9382	0.8	A
9005	24286.31	45 57N	63 17E	74.9	189.3	2.390	-13.30	58.5	SO312	.03070	9.8130	0.6	V
9006	24289.11	45 57N	63 17E	75.7	189.3	2.390	-12.95	58.5	SO312	.03070	9.6067	0.6	A
9007	24293.11	45 40N	63 17E	75.1	189.3	2.390	-10.50	58.8	SO312	.03070	9.6727	1.0	A
9008	24382.31	39 27N	62 51E	88.2	188.4	2.037	29.75	64.1	SO312	.03070	8.1954	0.6	A
9009	24403.31	37 39N	61 54E	78.1	188.2	2.530	14.35	65.2	SO312	.02200	9.3261	0.8	F
9010	24406.11	37 39N	61 54E	77.3	188.2	2.530	14.35	65.2	SO312	.02200	9.5159	0.8	V
9011	24409.51	37 37N	61 51E	77.9	188.2	2.530	13.65	65.2	SO312	.03070	9.3096	0.8	A
9012	24440.51	35 12N	60 23E	77.6	188.0	2.738	-19.60	66.3	SO312	.03070	9.3343	1.0	F
9013	24610.31	23 38N	58 36E	77.5	187.1	2.881	5.60	71.9	SO312	.03070	9.4746	0.6	V
9014	24613.11	23 38N	58 36E	78.5	187.1	2.881	5.95	71.9	SO312	.03070	9.2105	0.6	A
367 5001	29409.11	58 28N	45 31E	77.4	192.4	1.690	-17.85	47.7	SO312	.04000	9.4920	0.6	V
5002	29412.11	58 28N	45 31E	78.2	192.4	1.690	-17.50	47.7	SO312	.04000	9.3187	0.6	A
5003	29428.71	57 7N	45 9E	75.4	192.0	1.826	-12.25	49.0	SO312	.04000	9.7397	0.6	V
5004	29453.51	55 43N	43 53E	83.2	191.5	1.690	-27.30	50.1	SO312	.03080	8.7657	0.8	A
5005	29531.91	49 60N	43 21E	76.4	190.1	2.181	13.30	55.4	SO312	.04000	9.6324	0.6	V
5006	29534.71	49 60N	43 21E	77.5	190.1	2.181	13.65	55.4	SO312	.03080	9.3847	0.6	A
5007	29570.51	47 44N	41 9E	83.1	189.6	2.181	-28.35	56.9	SO312	.03080	8.7574	0.6	A
5008	29745.31	35 41N	38 27E	77.2	188.0	2.738	-16.45	66.1	SO312	.03080	9.4343	0.4	A
5009	30270.51	0 32S	30 42E	113.2	186.5	2.881	-42.35	61.9	SO312	.02210	6.4215	1.0	V
5010	30274.91	0 33S	30 42E	114.0	186.5	3.092	-42.00	61.9	SO312	.02210	6.3473	0.8	A
5011	30487.31	15 23S	28 22E	111.1	186.8	3.232	-31.50	50.0	SO312	.02210	6.5123	0.8	V
5012	30491.51	15 24S	28 21E	112.6	186.8	3.439	-31.50	50.0	SO312	.02210	6.3803	2.2	A
5013	30688.11	29 4S	26 11E	110.6	187.4	3.092	-14.70	38.0	SO312	.03080	6.5123	0.8	V
5014	30692.31	29 4S	26 11E	112.2	187.5	3.092	-14.35	38.0	SO312	.03080	6.3473	0.8	A
5015	30744.11	33 17S	26 33E	119.9	187.7	2.390	17.85	34.6	SO312	.03080	5.9511	0.8	F
5016	30748.51	33 17S	26 33E	119.3	187.8	2.390	18.20	34.6	SO312	.03080	6.0254	0.8	V
5017	30759.71	33 57S	25 38E	112.4	187.8	2.738	-0.70	33.6	SO312	.03080	6.3885	0.8	V
5018	30764.11	33 58S	25 38E	114.3	187.9	2.738	0.00	33.6	SO312	.03080	6.2089	0.6	A
9001	29135.71	76 15N	62 40E	81.8	208.4	0.438	-15.40	30.7	SO312	.05390	8.8391	1.2	F
9002	29141.71	76 15N	62 38E	81.8	207.6	0.636	-15.75	30.7	SO312	.05390	8.8721	1.2	A
9003	29224.51	70 50N	53 45E	82.5	199.9	0.787	-22.40	36.1	SO312	.03070	8.8804	1.0	V
9004	29227.71	70 49N	53 44E	83.3	199.7	0.995	-22.40	36.1	SO312	.03070	8.7153	0.8	A
9005	29268.31	67 42N	53 6E	78.5	197.4	1.135	13.30	39.2	SO312	.03070	9.3591	0.4	V
9006	29271.11	67 42N	53 6E	79.4	197.2	1.135	13.30	39.2	SO312	.03070	9.1445	0.4	A
9007	29368.31	61 1N	46 54E	77.9	193.5	1.484	-15.40	45.4	SO312	.04070	9.3013	0.8	F
9008	29371.11	61 1N	46 53E	76.9	193.4	1.484	-15.40	45.4	SO312	.04070	9.5406	0.8	V
9009	29441.51	56 21N	43 49E	87.7	191.7	1.484	-33.60	49.5	SO312	.03070	8.3522	0.8	V
9010	29444.71	56 21N	43 49E	88.5	191.6	1.690	-33.60	49.5	SO312	.03070	8.2202	1.0	A
9011	29452.71	55 46N	43 54E	83.1	191.5	1.690	-27.30	50.1	SO312	.03070	8.7649	1.2	A
9012	29460.31	54 51N	43 17E	87.9	191.3	1.484	-32.90	50.8	SO312	.03070	8.2202	1.2	F
9013	29466.51	54 51N	43 18E	87.3	191.2	1.690	-32.55	50.8	SO312	.03070	8.3357	1.2	A
9014	29560.71	48 11N	41 17E	82.4	189.7	2.037	-28.70	56.5	SO312	.03070	8.9134	0.8	V
9015	29563.71	48 12N	41 17E	83.1	189.7	2.037	-28.35	56.6	SO312	.03070	8.7566	0.8	A
9016	29614.31	44 33N	40 1E	87.1	189.1	2.037	-34.30	59.4	SO312	.03070	8.4265	0.6	V
9017	29617.51	44 33N	40 1E	87.8	189.1	2.037	-33.95	59.4	SO312	.03070	8.2944	0.6	A
9018	29738.31	35 46N	38 34E	76.3	188.0	2.738	-14.00	66.1	SO312	.02200	9.5076	0.4	F
9019	29740.91	35 47N	38 34E	75.4	188.0	2.738	-13.65	66.1	SO312	.02200	9.7470	0.6	V
9020	29759.71	34 33N	37 38E	87.5	187.9	2.390	-34.30	66.5	SO312	.01650	8.3770	1.0	V
9021	29762.91	34 33N	37 38E	88.3	187.9	2.390	-33.95	66.5	SO312	.01650	8.2367	1.0	A
9022	29768.71	33 44N	37 13E	96.2	187.8	2.181	-40.60	66.8	SO312	.01650	7.5269	1.4	F
9023	29772.11	33 44N	37 13E	94.7	187.8	2.181	-40.25	66.8	SO312	.01650	7.7662	1.4	V
9024	29794.11	32 11N	37 9E	87.1	187.7	2.530	-33.60	67.8	SO312	.01650	8.4100	0.8	V
9025	29797.31	32 11N	37 9E	87.9	187.7	2.530	-33.25	67.8	SO312	.01650	8.2614	0.8	A
9026	29845.71	28 24N	36 38E	82.9	187.4	2.738	-26.25	69.8	SO312	.01650	8.7236	1.0	F
9027	29848.71	28 24N	36 38E	81.8	187.4	2.738	-25.90	69.8	SO312	.01650	8.9712	1.0	V
9028	29912.91	24 1N	35 28E	90.9	187.1	2.738	-35.00	70.8	SO312	.01650	8.0634	1.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
367 9029	29916.31	24 0N	35 28E	91.8	187.1	2.738	-34.65	70.9	SO312	.01650	7.9231	1.0	A
9030	30554.71	20 7S	28 36E	101.0	186.9	3.092	3.50	46.5	SO312	.03070	7.1555	0.6	V
9031	30558.51	20 7S	28 37E	102.6	186.9	3.092	4.20	46.5	SO312	.03070	6.9327	0.8	A
9032	30632.71	25 44S	28 2E	112.5	187.2	2.738	17.15	41.6	SO312	.03070	6.3632	0.6	F
9033	30636.71	25 44S	28 2E	111.9	187.2	2.530	17.85	41.6	SO312	.03070	6.4458	0.8	V
9034	30641.71	26 6S	28 16E	118.9	187.2	2.181	25.55	41.4	SO312	.03070	6.0661	1.0	V
9035	30646.51	26 7S	28 16E	121.1	187.3	2.181	25.90	41.4	SO312	.03070	5.8433	0.6	A
368 5001	34553.11	68 53N	33 43E	92.0	198.5	1.135	32.55	38.1	SO312	.03080	7.9733	0.6	V
5002	34556.51	68 53N	33 45E	93.9	198.3	1.135	33.25	38.1	SO312	.03080	7.7504	0.6	A
5003	34695.91	59 29N	24 41E	75.3	192.9	1.690	-0.35	46.9	SO312	.05370	9.6489	0.6	F
5004	34698.71	59 28N	24 40E	74.4	192.8	1.690	-0.35	46.9	SO312	.05370	9.8635	0.4	V
5005	34731.51	56 60N	24 8E	78.3	192.1	1.826	14.70	49.3	SO312	.04000	9.3022	0.4	F
5006	34734.31	56 59N	24 8E	77.5	192.0	1.826	15.05	49.3	SO312	.04000	9.4838	0.4	V
5007	34738.91	56 40N	24 5E	78.6	191.9	1.826	17.50	49.6	SO312	.04000	9.3600	0.6	V
5008	34741.91	56 40N	24 5E	79.8	191.8	1.826	17.85	49.6	SO312	.04000	9.1123	1.2	A
5009	34746.91	55 59N	23 30E	76.7	191.7	1.826	10.85	50.1	SO312	.04000	9.4920	0.6	F
5010	34749.71	55 58N	23 30E	76.0	191.7	1.826	11.20	50.2	SO312	.04000	9.6819	1.2	V
5011	34753.11	55 56N	23 29E	77.0	191.6	1.826	11.55	50.2	SO312	.04000	9.4425	0.6	A
5012	34759.91	55 11N	22 22E	75.4	191.5	1.826	-9.45	50.7	SO312	.04000	9.6241	0.6	F
5013	34763.71	54 56N	22 11E	75.8	191.4	1.826	-11.55	50.9	SO312	.04000	9.5663	0.6	F
5014	34766.51	54 56N	22 11E	74.9	191.3	1.826	-11.20	50.9	SO312	.04000	9.8057	0.4	V
5015	34770.71	54 40N	21 49E	76.8	191.2	1.826	-17.50	51.1	SO312	.04000	9.5581	1.2	V
5016	34774.31	54 37N	21 48E	77.6	191.2	1.826	-17.15	51.2	SO312	.04000	9.3765	0.6	A
5017	34780.31	53 52N	20 57E	85.4	191.1	1.484	-30.45	51.7	SO312	.03080	8.4603	0.6	F
5018	34783.31	53 52N	20 57E	84.3	191.0	1.690	-30.45	51.7	SO312	.03080	8.7079	0.6	V
5019	34789.91	53 13N	20 43E	85.2	190.9	1.690	-30.45	52.3	SO312	.03080	8.4933	0.4	F
5020	34792.91	53 13N	20 44E	84.0	190.8	1.690	-30.10	52.3	SO312	.03080	8.7409	0.4	V
5021	34797.51	52 41N	20 46E	81.3	190.8	1.690	-25.20	52.8	SO312	.03080	8.9060	0.4	F
5022	34800.91	52 27N	20 42E	81.4	190.7	1.690	-25.20	53.0	SO312	.03080	8.9060	0.4	F
5023	34803.91	52 27N	20 42E	80.3	190.7	1.690	-24.85	53.0	SO312	.03080	9.1454	0.4	V
5024	34808.91	52 16N	20 52E	78.1	190.6	2.037	-19.25	53.2	SO312	.04000	9.3270	0.4	A
5025	34810.51	52 10N	20 49E	78.1	190.5	2.037	-19.25	53.3	SO312	.04000	9.3187	0.6	A
5026	34822.31	50 57N	22 18E	87.3	190.4	1.826	30.45	54.8	SO312	.03080	8.4273	0.6	V
5027	34825.51	50 57N	22 17E	88.4	190.3	1.826	30.45	54.8	SO312	.03080	8.2127	0.6	A
5028	34828.31	50 33N	22 8E	87.3	190.3	1.826	30.45	55.1	SO312	.03080	8.4273	0.6	V
5029	34831.51	50 33N	22 9E	88.8	190.2	1.826	30.80	55.1	SO312	.03080	8.1796	0.6	A
5030	34848.11	49 9N	20 26E	74.0	190.0	2.181	-2.10	56.0	SO312	.02210	9.8222	0.6	F
5031	34850.71	49 9N	20 26E	73.2	189.9	2.181	-1.75	56.0	SO312	.02210	10.0368	0.6	V
5032	34879.51	47 11N	19 51E	73.5	189.6	2.181	-0.70	57.7	SO312	.04000	9.9955	0.6	V
5033	34882.31	47 11N	19 50E	74.4	189.5	2.390	-0.70	57.7	SO312	.04000	9.7727	0.6	A
5034	34889.31	46 16N	20 8E	78.5	189.5	2.181	16.45	58.6	SO312	.03080	9.2857	0.6	F
5035	34892.11	46 16N	20 8E	77.8	189.4	2.181	16.80	58.6	SO312	.03080	9.4590	0.6	V
5036	34903.91	45 16N	19 50E	78.4	189.3	2.390	16.10	59.4	SO312	.03080	9.2939	0.4	F
5037	34906.71	45 16N	19 50E	77.8	189.3	2.181	16.80	59.4	SO312	.03080	9.4508	0.4	V
5038	34910.31	45 1N	19 50E	78.9	189.2	2.181	18.90	59.7	SO312	.03080	9.3270	0.4	V
5039	34913.31	45 0N	19 50E	80.1	189.2	2.181	19.25	59.7	SO312	.03080	9.0711	0.4	A
5040	34945.11	42 43N	18 21E	73.8	188.9	2.390	-7.70	61.2	SO312	.03080	9.9625	0.4	V
5041	34947.71	42 44N	18 21E	74.7	188.8	2.390	-7.35	61.2	SO312	.03080	9.7479	0.6	A
9001	34545.51	69 16N	33 20E	85.0	198.9	1.338	23.10	37.7	SO312	.05390	8.5503	0.4	F
9002	34548.51	69 16N	33 20E	84.1	198.8	1.135	23.45	37.7	SO312	.05390	8.7236	0.4	V
9003	34581.91	66 59N	30 22E	79.0	197.0	1.338	12.95	39.9	SO312	.04070	9.1858	0.8	F
9004	34584.71	66 60N	30 21E	78.1	196.8	1.338	12.95	39.9	SO312	.04070	9.4003	0.8	V
9005	34688.11	60 11N	24 59E	74.5	193.1	1.690	-1.75	46.2	SO312	.04070	9.8625	0.6	V
9006	34690.91	60 11N	24 58E	75.3	193.0	1.690	-1.75	46.3	SO312	.04070	9.6397	0.6	A
9007	34705.11	58 56N	23 31E	79.6	192.7	1.484	-20.30	47.3	SO312	.04070	9.0950	0.8	F
9008	34707.91	58 56N	23 30E	78.6	192.6	1.484	-20.30	47.3	SO312	.04070	9.3343	0.8	V
9009	34714.91	58 24N	23 51E	74.6	192.4	1.690	-7.00	47.8	SO312	.04070	9.8460	0.4	V
9010	34717.71	58 24N	23 51E	75.4	192.4	1.690	-6.65	47.9	SO312	.04070	9.6314	0.4	A
9011	34800.71	52 28N	20 42E	81.4	190.7	1.690	-25.20	53.0	SO312	.03070	8.9052	1.0	F
9012	34803.71	52 27N	20 42E	80.3	190.7	1.690	-24.85	53.0	SO312	.03070	9.1445	0.8	V
9013	34810.11	52 11N	20 50E	78.1	190.6	2.037	-19.25	53.3	SO312	.03070	9.3178	0.6	A
9014	34837.31	49 47N	21 26E	80.3	190.1	2.037	19.95	55.7	SO312	.02200	9.0702	0.6	F
9015	34840.11	49 47N	21 25E	79.3	190.1	2.037	19.95	55.7	SO312	.02200	9.2600	0.6	V
9016	34859.71	48 40N	19 9E	85.7	189.8	1.826	-32.55	56.1	SO312	.02200	8.5585	0.8	V
9017	34862.71	48 40N	19 9E	86.5	189.8	2.037	-32.55	56.1	SO312	.02200	8.4100	1.6	A
9018	34934.31	43 20N	17 49E	83.6	189.0	2.181	-29.05	60.5	SO312	.02200	8.6493	0.8	F
9019	34937.11	43 20N	17 49E	82.4	188.9	2.181	-28.70	60.5	SO312	.02200	8.8969	1.0	V
9020	35108.31	31 11N	16 33E	86.6	187.6	2.530	26.25	69.5	SO312	.03070	8.4265	0.4	F
9021	35111.31	31 12N	16 34E	86.0	187.6	2.530	26.60	69.5	SO312	.03070	8.5503	0.4	V
9022	35170.91	27 2N	14 30E	79.1	187.3	2.881	-17.15	70.5	SO312	.03070	9.1527	0.4	F
9023	35173.71	27 2N	14 30E	78.1	187.3	2.881	-16.80	70.5	SO312	.03070	9.3838	0.4	V
9024	35561.11	0 25N	9 27E	92.2	186.5	3.232	-22.75	63.1	SO312	.03070	7.8983	0.6	V
9025	35564.51	0 25N	9 27E	93.2	186.5	3.439	-22.40	63.1	SO312	.03070	7.7332	0.8	A
369 5001	40148.31	49 43N	1 53W	75.0	190.1	2.037	-13.30	55.5	SO312	.04000	9.7974	0.6	V
5002	40151.11	49 42N	1 53W	75.9	190.0	2.037	-12.95	55.5	SO312	.04000	9.5993	0.6	A
5003	40282.11	40 27N	3 41W	76.9	188.6	2.390	15.05	63.2	SO312	.03080	9.5581	0.6	V
5004	40284.91	40 28N	3 41W	78.1	188.5	2.390	15.40	63.2	SO312	.03080	9.2939	0.6	A
5005	40348.71	35 48N	5 49W	78.5	188.0	2.530	-19.95	66.0	SO312	.03080	9.2197	0.6	F
5006	40351.51	35 48N	5 49W	77.6	188.0	2.530	-19.60	66.0	SO312	.03080	9.4508	0.6	V
5007	40373.91	34 19N	6 35W	86.9	187.9	2.390	-33.25	66.7	SO312	.01660	8.4355	0.4	V
5008	40377.11	34 19N	6 36W	87.8	187.8	2.390	-32.90	66.7	SO312	.01660	8.3035	0.4	A
9001	40325.71	37 25N	5 58W	89.7	188.2	2.181	-35.35	64.6	SO312	.03070	8.0468	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
369 9002	40328.91	37 25N	5 58W	88.3	188.2	2.181	-35.00	64.7	SO312	.03070	8.2944	0.8	V
9003	40775.31	6 21N	10 48W	85.9	186.6	3.232	7.70	67.7	SO312	.03070	8.4347	1.0	F
9004	40778.31	6 21N	10 49W	85.2	186.5	3.232	8.05	67.7	SO312	.03070	8.5750	1.0	V
370 5001	46256.51	5 46S	35 14W	91.3	186.5	3.439	-1.05	58.7	SO312	.04000	7.8908	0.4	F
5002	46259.71	5 46S	35 13W	90.6	186.5	3.232	0.00	58.8	SO312	.04000	8.0311	0.6	V
5003	46281.91	7 6S	34 50W	102.5	186.6	2.530	22.40	58.1	SO312	.02210	6.9828	0.6	A
5004	46287.91	8 2S	34 54W	104.2	186.6	2.738	24.15	57.3	SO312	.02210	6.9250	0.6	F
5005	46292.51	8 5S	34 55W	103.6	186.6	2.530	24.50	57.3	SO312	.02210	7.0241	1.0	V
5006	46296.31	8 5S	34 55W	105.5	186.6	2.530	24.85	57.3	SO312	.02210	6.7765	1.0	A
9001	46250.91	5 21S	35 32W	92.9	186.5	3.439	-14.70	58.8	SO312	.03070	7.7497	0.6	F
9002	46261.51	5 54S	35 15W	90.7	186.5	3.232	0.00	58.7	SO312	.03070	8.0221	0.4	V
9003	46264.91	5 54S	35 14W	92.0	186.5	3.232	0.70	58.7	SO312	.03070	7.7828	0.4	A
9004	46274.91	7 7S	34 57W	98.7	186.6	2.881	17.85	58.0	SO312	.03070	7.3206	0.8	F
9005	46288.71	8 5S	34 54W	104.4	186.6	2.738	24.15	57.3	SO312	.02200	6.9244	0.8	F
9006	46292.51	8 6S	34 55W	103.6	186.6	2.530	24.50	57.3	SO312	.02200	7.0235	0.6	V
9007	46309.11	8 49S	36 27W	99.9	186.6	3.587	-24.15	55.8	SO312	.03070	7.1968	1.4	A
9008	46322.11	10 13S	36 32W	98.3	186.6	3.439	-19.60	54.7	SO312	.03070	7.2958	1.4	F
9009	46330.31	10 14S	36 50W	104.2	186.6	3.439	-27.65	54.5	SO312	.02200	6.8914	0.6	A
9010	46340.71	10 56S	37 3W	107.0	186.6	3.439	-30.10	53.9	SO312	.02200	6.7099	1.4	A
371 5001	51806.11	22 0S	60 37W	104.4	187.0	3.232	-10.15	44.5	SO312	.03080	6.8425	1.0	A
5002	51948.31	31 52S	62 42W	111.2	187.7	2.881	-10.85	35.4	SO312	.03080	6.4711	0.6	V
5003	51953.11	32 26S	63 11W	116.8	187.7	2.881	-19.95	34.7	SO312	.03080	6.0914	0.6	F
5004	51957.31	32 26S	63 11W	115.6	187.7	2.881	-19.60	34.7	SO312	.03080	6.2234	0.6	V
5005	51961.71	33 0S	63 30W	120.4	187.7	2.881	-24.15	34.1	SO312	.03080	5.9015	0.6	F
5006	51981.51	33 48S	63 15W	115.3	187.9	2.881	-12.95	33.5	SO312	.03080	6.1657	0.6	A
5007	52005.91	35 29S	63 16W	114.8	188.0	2.738	-3.50	32.1	SO312	.03080	6.1822	0.8	A
5008	52011.91	35 57S	62 46W	118.6	188.1	2.530	11.20	31.9	SO312	.03080	5.9676	0.8	A
5009	52024.91	36 39S	64 21W	122.9	188.1	2.881	-22.05	30.7	SO312	.03080	5.7777	0.6	A
5010	52065.31	39 15S	65 37W	136.9	188.5	2.881	-32.90	28.0	SO312	.03080	5.1917	0.8	A
5011	52097.71	41 33S	65 20W	122.9	188.7	2.738	-15.40	26.2	SO312	.03080	5.7612	1.0	A
5012	52157.71	45 45S	67 28W	138.1	189.4	2.390	-30.10	21.8	SO312	.03080	5.1752	1.2	V
5013	52188.31	47 43S	65 53W	127.7	189.7	2.037	9.45	20.7	SO312	.05370	5.5136	0.8	A
9001	51390.91	5 51N	55 10W	85.2	186.5	3.232	4.55	67.3	SO312	.03070	8.5008	0.6	F
9002	51393.91	5 51N	55 10W	84.4	186.5	3.232	4.90	67.3	SO312	.03070	8.6493	0.6	V
9003	51566.91	6 11S	57 46W	93.3	186.5	3.439	-14.70	58.1	SO312	.03070	7.7085	1.4	F
9004	51686.31	13 52S	59 9W	98.5	186.7	3.439	-13.30	51.7	SO312	.03070	7.2628	0.6	A
9005	51713.31	15 46S	58 59W	99.4	186.8	3.092	4.20	50.3	SO312	.03070	7.1720	0.8	A
9006	51750.91	18 17S	59 45W	100.6	186.9	3.232	-5.60	47.9	SO312	.03070	7.0895	1.4	A
9007	51797.71	22 2S	59 57W	105.6	187.0	2.881	9.80	44.8	SO312	.03070	6.7924	0.8	F
9008	51818.71	22 58S	59 31W	119.9	187.1	2.181	26.95	44.2	SO312	.02200	5.9093	0.8	A
9009	51936.91	31 17S	64 11W	149.5	187.6	2.530	-44.10	35.2	SO312	.01650	4.7374	1.4	F
9010	51967.91	33 3S	64 16W	137.3	187.8	2.738	-38.15	33.7	SO312	.02200	5.2408	1.2	V
9011	51973.11	33 3S	64 15W	138.2	187.8	3.092	-37.80	33.7	SO312	.02200	5.1583	1.2	A
9012	51989.11	34 57S	62 60W	113.7	187.9	2.738	-0.70	32.6	SO312	.03070	6.2642	1.4	F
9013	51995.11	34 48S	62 49W	114.8	187.9	2.738	3.50	32.8	SO312	.03070	6.1569	1.4	A
9014	52000.71	35 28S	62 59W	113.6	188.0	2.530	3.15	32.2	SO312	.03070	6.3220	1.4	V
9015	52040.91	38 40S	62 17W	141.3	188.3	1.826	31.85	29.7	SO312	.03070	5.0345	0.8	F
9016	52042.51	38 46S	62 18W	141.4	188.3	1.826	31.85	29.6	SO312	.03070	5.0262	1.0	F
9017	52047.11	38 44S	62 23W	138.4	188.3	1.826	30.80	29.6	SO312	.03070	5.1666	1.0	V
9018	52092.71	41 32S	65 21W	121.4	188.7	2.738	-16.10	26.2	SO312	.04070	5.9011	1.4	V
9019	52109.31	42 42S	65 6W	119.1	188.9	2.530	-3.85	25.2	SO312	.04070	6.0166	1.6	V
9020	52114.31	42 45S	65 1W	120.9	188.9	2.530	-1.75	25.2	SO312	.04070	5.8268	1.4	A
9021	52120.91	43 10S	65 17W	121.3	189.0	2.530	-4.55	24.8	SO312	.03070	5.8103	1.4	A
9022	52152.91	45 46S	67 27W	139.4	189.3	2.390	-30.10	21.8	SO312	.03070	5.0675	0.4	F
9023	52171.11	47 6S	66 30W	124.1	189.5	2.390	-6.30	21.0	SO312	.04070	5.7030	1.0	F
9024	52178.31	47 40S	65 56W	126.1	189.6	2.181	7.70	20.7	SO312	.04070	5.6122	1.4	F
9025	52214.11	49 16S	67 48W	130.0	190.1	2.390	-15.75	18.8	SO312	.04070	5.4141	1.4	A
9026	52225.91	49 58S	68 34W	136.9	190.2	2.530	-24.15	17.9	SO312	.04070	5.1500	1.4	A
9027	52241.11	51 38S	69 13W	136.7	190.4	2.181	-24.50	16.3	SO312	.04070	5.1666	0.6	F
9028	52246.11	51 38S	69 13W	135.2	190.5	2.181	-24.15	16.3	SO312	.04070	5.2903	0.6	V
9029	52251.11	51 37S	69 14W	138.6	190.6	2.390	-24.15	16.3	SO312	.04070	5.0840	0.6	A
9030	52256.91	52 42S	69 21W	135.1	190.7	2.181	-19.95	15.3	SO312	.04070	5.2243	1.0	F
9031	52264.91	53 23S	68 10W	129.2	190.8	1.826	2.80	15.1	SO312	.04070	5.4637	1.4	F
9032	52268.51	53 19S	68 10W	128.0	190.9	1.826	2.45	15.2	SO312	.04070	5.5709	1.4	V
9033	52274.11	53 44S	67 46W	131.5	191.0	1.826	11.20	14.9	SO312	.04070	5.4141	1.4	V
9034	52281.71	53 46S	69 6W	130.9	191.1	2.037	-9.10	14.5	SO312	.04070	5.3646	1.0	A
9035	52295.11	54 46S	68 22W	132.8	191.4	1.690	8.40	13.9	SO312	.04070	5.2738	1.4	A
372 5001	56485.31	20 41N	74 54W	78.8	186.9	3.232	-7.35	72.0	SO312	.04000	9.2114	0.6	A
5002	56803.51	1 38S	78 37W	87.5	186.5	3.232	2.45	62.0	SO312	.01660	8.2622	0.6	F
5003	56837.51	3 57S	79 12W	88.5	186.5	3.439	-4.55	60.1	SO312	.01660	8.1549	0.6	F
5004	56842.91	4 18S	79 36W	92.7	186.5	3.439	-17.15	59.6	SO312	.01660	7.7669	0.4	F
5005	56856.31	5 10S	80 36W	116.9	186.5	2.881	-41.30	58.3	SO312	.01660	6.1161	0.8	F
5006	56860.51	5 10S	80 36W	115.6	186.5	3.092	-41.30	58.3	SO312	.01660	6.2977	0.8	V
5007	56864.51	5 9S	80 37W	117.4	186.5	3.092	-41.30	58.3	SO312	.02210	6.1574	1.2	A
5008	56903.31	8 4S	79 1W	108.1	186.6	2.390	27.65	57.4	SO312	.02210	6.6031	0.6	A
9001	56479.71	20 40N	74 56W	78.6	187.0	3.092	-9.10	71.9	SO312	.03070	9.2188	1.0	F
9002	56489.51	19 60N	75 6W	79.1	186.9	3.232	-11.20	71.9	SO312	.03070	9.1527	0.6	F
9003	56492.31	19 60N	75 6W	78.2	186.9	3.232	-10.85	71.9	SO312	.03070	9.3673	0.6	V
9004	56495.91	19 57N	75 4W	79.0	186.9	3.232	-8.75	71.9	SO312	.03070	9.1610	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
372 9005	56784.11	0 5S	78 28W	85.4	186.5	3.232	-1.75	63.1	SO312	.03070	8.5338	2.0	V
9006	56788.71	0 11S	78 29W	87.8	186.5	3.439	-1.40	63.1	SO312	.03070	8.1871	0.4	A
9007	56798.51	0 51S	78 36W	87.1	186.5	3.439	-1.40	62.6	SO312	.01650	8.2449	1.4	A
9008	56809.11	1 36S	78 38W	88.0	186.5	3.232	2.45	62.1	SO312	.01650	8.1624	1.4	A
9009	56851.71	4 52S	80 40W	121.9	186.5	2.881	-44.10	58.5	SO312	.02200	5.8598	0.8	F
9010	56877.31	6 40S	79 54W	93.2	186.5	3.439	-12.95	57.8	SO312	.03070	7.7167	0.6	F
9011	56881.71	6 45S	79 49W	91.5	186.5	3.439	-8.75	57.8	SO312	.02200	7.9561	0.8	V
9012	56885.11	6 45S	79 49W	92.7	186.6	3.439	-8.40	57.8	SO312	.02200	7.7415	0.8	A
373 5001	61541.31	37 15N	93 23W	74.5	188.2	2.738	-3.15	65.3	SO312	.02210	9.7562	0.6	F
5002	61546.51	37 16N	93 22W	74.7	188.1	2.738	-2.10	65.3	SO312	.02210	9.7231	0.8	A
5003	61853.51	15 53N	97 3W	89.8	186.8	2.530	25.20	72.3	SO312	.02210	8.1631	0.6	V
5004	61856.91	15 53N	97 3W	91.4	186.8	2.530	25.55	72.3	SO312	.02210	7.8990	0.6	A
9001	61541.11	37 16N	93 23W	74.6	188.2	2.738	-3.15	65.3	SO312	.02200	9.7552	0.6	F
9002	61546.51	37 16N	93 23W	74.7	188.1	2.738	-2.10	65.3	SO312	.02200	9.7222	0.6	A
9003	61801.11	19 33N	96 55W	77.8	186.9	3.092	4.55	72.2	SO312	.03070	9.4168	0.4	V
9004	61803.91	19 33N	96 55W	78.9	186.9	3.092	4.90	72.2	SO312	.03070	9.1527	0.4	A
9005	61813.91	18 30N	97 22W	78.4	186.9	3.232	-7.00	71.9	SO312	.03070	9.2518	0.6	F
9006	61816.71	18 30N	97 22W	77.5	186.9	3.232	-6.65	71.9	SO312	.03070	9.4581	0.6	V
374 5001	66912.51	32 33N	117 1W	79.1	187.7	2.738	-20.30	68.0	SO312	.03080	9.1619	0.8	F
5002	66915.31	32 33N	117 1W	78.2	187.7	2.738	-19.95	68.0	SO312	.03080	9.3930	0.8	V
5003	66924.71	31 50N	116 34W	75.1	187.7	2.738	3.15	68.8	SO312	.03080	9.7727	0.6	V
5004	66927.51	31 50N	116 34W	76.2	187.6	2.738	3.50	68.8	SO312	.03080	9.5250	0.6	A
378 9001	1202.11	69 44N	171 53E	79.3	198.9	0.995	11.55	37.4	SO312	.03070	9.1445	0.4	A
9002	1375.91	57 57N	162 2E	79.4	192.3	1.690	-19.95	48.3	SO312	.03070	9.1115	0.8	F
9003	1378.71	57 57N	162 2E	78.5	192.3	1.690	-19.95	48.3	SO312	.03070	9.3508	0.8	V
9004	1383.71	57 26N	161 39E	81.0	192.1	1.484	-23.10	48.8	SO312	.04070	8.9217	1.4	F
9005	1389.51	57 26N	161 39E	80.9	192.0	1.690	-23.10	48.8	SO312	.04070	8.9959	1.6	A
379 5001	6891.31	43 55N	135 31E	74.5	189.1	2.390	-7.35	60.5	SO312	.03080	9.7479	0.4	F
5002	6893.91	43 55N	135 31E	73.7	189.0	2.390	-7.00	60.5	SO312	.03080	9.9708	0.6	V
5003	7653.71	8 27S	126 25E	115.4	186.6	2.181	34.30	57.1	SO312	.02210	6.2977	0.8	V
5004	7658.31	8 28S	126 24E	117.3	186.6	2.181	34.30	57.1	SO312	.02210	6.0914	0.6	A
9001	6799.11	50 24N	137 20E	74.8	190.2	2.037	-11.90	55.1	SO312	.03070	9.8212	0.4	V
9002	6801.91	50 24N	137 20E	75.6	190.2	2.037	-11.55	55.1	SO312	.03070	9.6149	0.4	A
380 5001	11786.91	71 43N	128 56E	78.3	201.3	0.995	-3.15	35.5	SO312	.04000	9.2527	0.6	F
5002	11789.71	71 43N	128 57E	77.4	201.1	0.995	-2.80	35.5	SO312	.04000	9.4838	1.4	V
5003	12086.51	52 1N	116 36E	76.7	190.5	2.037	11.55	53.9	SO312	.04000	9.4673	0.6	A
5004	12094.91	51 3N	116 22E	77.3	190.4	2.181	14.00	54.7	SO312	.04000	9.4260	1.2	F
9001	11790.31	71 41N	128 54E	77.4	201.0	0.995	-2.80	35.5	SO312	.05390	9.4829	0.6	V
9002	11793.31	71 40N	128 54E	78.2	200.8	0.995	-2.45	35.5	SO312	.05390	9.2765	0.4	A
9003	12075.51	52 22N	116 49E	77.2	190.7	2.037	13.30	53.6	SO312	.03070	9.4168	1.4	F
9004	12081.11	52 22N	116 50E	77.5	190.6	2.037	14.00	53.6	SO312	.03070	9.3508	1.4	A
9005	12094.31	51 5N	116 23E	77.3	190.4	2.181	14.00	54.7	SO312	.03070	9.4251	0.6	F
9006	12098.91	50 47N	116 15E	77.3	190.3	2.181	13.65	55.0	SO312	.03070	9.4168	0.6	F
9007	12101.71	50 46N	116 15E	76.5	190.3	2.181	14.00	55.0	SO312	.03070	9.6067	0.6	V
9008	12106.31	50 26N	116 22E	79.4	190.2	2.181	19.95	55.3	SO312	.03070	9.2683	0.8	V
9009	12109.31	50 26N	116 22E	80.6	190.2	2.181	20.30	55.3	SO312	.03070	9.0042	0.8	A
9010	12139.91	48 5N	114 28E	75.3	189.8	2.181	-12.25	57.0	SO312	.03070	9.6314	0.6	F
9011	12146.11	48 1N	114 30E	74.9	189.7	2.181	-10.15	57.1	SO312	.03070	9.7057	0.4	A
9012	12214.51	43 20N	113 10E	74.5	188.9	2.530	-9.45	60.9	SO312	.03070	9.7387	0.4	A
9013	12246.91	40 47N	111 59E	80.9	188.6	2.181	-25.90	62.6	SO312	.03070	8.9382	0.6	F
9014	12249.71	40 47N	111 59E	79.8	188.6	2.390	-25.90	62.6	SO312	.03070	9.1940	1.2	V
9015	12253.11	40 46N	111 58E	80.8	188.6	2.390	-25.90	62.6	SO312	.03070	9.0042	0.8	A
9016	12257.71	40 26N	112 1E	78.2	188.5	2.390	-22.05	62.9	SO312	.03070	9.3013	0.6	A
9017	12269.91	39 25N	111 36E	80.6	188.4	2.390	-27.30	63.6	SO312	.03070	9.1032	1.2	V
9018	12274.71	38 52N	111 37E	79.1	188.4	2.390	-23.10	64.0	SO312	.03070	9.1527	0.8	F
9019	12277.51	38 52N	111 37E	78.1	188.3	2.390	-22.75	64.0	SO312	.03070	9.4086	1.2	V
9020	12280.91	38 50N	111 37E	78.8	188.3	2.390	-22.40	64.1	SO312	.03070	9.2270	0.6	A
9021	12292.71	37 54N	112 34E	80.0	188.2	2.390	18.90	65.3	SO312	.03070	9.0372	0.4	A
9022	12296.11	37 27N	112 33E	80.5	188.2	2.390	21.35	65.7	SO312	.03070	9.1197	0.6	V
9023	12299.11	37 27N	112 33E	81.7	188.2	2.390	21.70	65.7	SO312	.03070	8.8474	0.6	A
9024	12311.31	36 27N	111 52E	74.1	188.1	2.738	6.30	66.1	SO312	.03070	9.9120	0.4	V
9025	12315.91	36 10N	111 35E	73.9	188.1	2.738	-1.75	66.2	SO312	.03070	9.9368	0.8	V
9026	12320.11	36 4N	111 30E	74.8	188.0	2.738	-3.50	66.2	SO312	.02200	9.6974	0.8	A
9027	12332.71	34 54N	110 29E	84.5	187.9	2.390	-29.75	66.5	SO312	.03070	8.5585	1.0	F
9028	12335.71	34 54N	110 29E	83.4	187.9	2.390	-29.40	66.5	SO312	.03070	8.8061	0.8	V
9029	12345.51	33 57N	111 3E	74.8	187.9	2.738	-3.15	67.6	SO312	.03070	9.7057	0.6	F
9030	12348.31	33 57N	111 3E	74.0	187.8	2.738	-2.80	67.6	SO312	.03070	9.9285	0.4	V
9031	12358.51	33 26N	110 55E	74.9	187.8	2.881	-2.80	67.9	SO312	.03070	9.6809	0.6	A
9032	12365.51	32 56N	110 58E	75.5	187.7	2.738	3.15	68.3	SO312	.03070	9.5984	0.4	A
9033	12373.71	32 0N	110 40E	75.5	187.7	2.881	-1.05	68.7	SO312	.03070	9.6149	1.2	F
9034	12379.11	32 1N	110 40E	75.7	187.7	2.881	-0.35	68.7	SO312	.03070	9.5737	1.2	A
9035	12390.91	30 50N	110 16E	75.1	187.6	2.881	-7.00	69.2	SO312	.03070	9.6644	0.6	F
9036	12410.31	29 36N	110 45E	81.1	187.5	2.530	21.70	70.3	SO312	.03070	9.0702	0.4	V
9037	12413.31	29 36N	110 45E	82.3	187.5	2.530	22.05	70.3	SO312	.03070	8.7896	0.4	A
9038	12428.71	28 21N	110 21E	80.1	187.4	2.738	16.80	70.8	SO312	.03070	9.1693	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
380 9039	12431.71	28 21N	110 21E	81.3	187.4	2.738	17.15	70.8	S0312	.03070	8.8887	0.8	A
9040	12468.51	25 28N	109 28E	77.6	187.2	3.092	5.25	71.6	S0312	.03070	9.3591	0.8	F
9041	12474.11	25 27N	109 28E	78.1	187.2	2.881	6.65	71.6	S0312	.03070	9.2683	0.8	A
9042	12480.11	24 39N	109 21E	78.3	187.2	3.092	7.00	71.8	S0312	.03070	9.2848	0.6	F
9043	12483.71	24 36N	109 19E	77.4	187.2	2.881	6.65	71.8	S0312	.03070	9.4829	0.6	V
9044	12490.11	23 57N	109 16E	78.9	187.1	3.092	9.10	72.0	S0312	.03070	9.2105	0.4	F
9045	12495.71	23 58N	109 16E	79.4	187.1	2.881	10.15	72.0	S0312	.03070	9.1115	0.4	A
9046	12505.71	22 57N	108 28E	79.3	187.1	3.092	-15.05	71.7	S0312	.03070	9.1280	0.6	F
9047	12511.51	22 57N	108 28E	79.3	187.1	3.092	-14.35	71.7	S0312	.03070	9.1362	0.6	A
9048	12516.51	22 37N	108 17E	80.9	187.0	3.092	-16.90	71.6	S0312	.03070	8.9712	0.6	A
9049	12603.51	16 4N	108 13E	91.1	186.8	2.738	25.55	72.3	S0312	.02200	7.9808	0.6	F
9050	12606.71	16 4N	108 13E	90.6	186.8	2.530	26.25	72.4	S0312	.02200	8.0881	0.6	V
9051	12609.71	16 6N	108 13E	92.1	186.8	2.530	26.60	72.4	S0312	.02200	7.8158	1.4	A
9052	12635.71	14 3N	108 1E	96.3	186.7	2.390	31.50	72.0	S0312	.02200	7.5929	1.2	V
9053	12639.31	14 3N	108 1E	98.1	186.7	2.390	31.85	72.0	S0312	.01650	7.3206	1.2	A
9054	12680.91	10 49N	106 44E	83.1	186.6	3.232	5.25	70.0	S0312	.03070	8.7236	1.2	F
9055	12684.11	10 48N	106 43E	82.4	186.6	3.232	5.60	70.0	S0312	.04070	8.8804	0.6	V
9056	12686.91	10 49N	106 43E	83.6	186.6	3.232	5.95	70.0	S0312	.03070	8.6246	0.6	A
9057	12693.51	10 24N	106 21E	82.8	186.6	3.439	-6.30	69.5	S0312	.03070	8.7236	0.6	A
9058	12699.91	9 57N	106 21E	82.8	186.6	3.439	-3.15	69.4	S0312	.03070	8.7071	0.6	A
9059	12705.31	9 37N	105 59E	84.9	186.6	3.439	-15.40	69.0	S0312	.03070	8.5090	0.6	A
9060	12710.31	9 18N	105 45E	87.9	186.6	3.439	-22.05	68.6	S0312	.03070	8.2284	0.6	A
9061	12883.31	2 56S	104 47E	97.9	186.5	2.738	21.70	61.3	S0312	.03070	7.4361	1.2	V
381 5001	17331.11	56 9N	94 31E	84.0	191.7	1.484	-28.00	49.9	S0255	.02210	8.6006	1.0	F
9001	17331.11	56 9N	94 31E	84.1	191.7	1.484	-28.00	49.9	S0312	.03070	8.5998	0.8	F
9002	17337.11	56 9N	94 30E	83.9	191.6	1.690	-28.00	49.9	S0312	.03070	8.6741	0.8	A
9003	17399.11	51 44N	94 31E	78.0	190.5	2.037	15.40	54.2	S0312	.03070	9.2931	0.4	A
9004	17558.31	40 49N	89 45E	82.6	188.6	2.181	-29.40	62.6	S0312	.02200	8.8721	0.8	V
9005	17561.31	40 50N	89 44E	83.5	188.6	2.390	-29.40	62.6	S0312	.02200	8.7153	1.0	A
9006	17760.71	26 43N	88 19E	91.0	187.3	2.390	30.80	71.8	S0312	.02200	8.0551	0.6	V
9007	17764.11	26 43N	88 20E	92.8	187.3	2.181	31.50	71.8	S0312	.02200	7.7828	0.6	A
382 5001	22694.91	52 28N	72 2E	73.7	190.7	2.037	-2.45	53.4	S0255	.03080	9.9625	0.6	V
5002	22845.11	42 20N	69 33E	80.4	188.8	2.181	19.95	62.0	S0255	.02210	9.0210	0.6	A
5003	22851.11	41 29N	69 34E	84.8	188.7	2.390	26.25	62.8	S0255	.01660	8.5923	0.6	F
5004	22865.91	40 53N	69 33E	89.4	188.6	2.037	31.15	63.3	S0255	.02210	8.0971	0.6	A
5005	22900.31	38 35N	68 14E	76.3	188.3	2.530	9.80	64.7	S0255	.01660	9.5168	0.8	A
9001	22562.91	61 9N	76 32E	77.4	193.6	1.690	9.80	45.6	S0312	.02200	9.3838	0.4	F
9002	22566.31	61 6N	76 37E	77.2	193.5	1.690	12.25	45.7	S0312	.02200	9.5159	0.4	V
9003	22570.51	61 1N	76 23E	77.0	193.4	1.690	8.75	45.8	S0312	.02200	9.4168	0.4	A
9004	22654.51	54 59N	73 26E	76.1	191.4	2.037	8.05	51.3	S0312	.04070	9.5489	0.6	F
9005	22657.11	54 60N	73 25E	75.2	191.4	2.037	7.70	51.2	S0312	.04070	9.7717	1.0	V
9006	22660.51	54 57N	73 23E	76.1	191.3	2.037	7.70	51.3	S0312	.02200	9.5406	1.4	A
9007	22694.91	52 28N	72 2E	73.7	190.7	2.037	-2.45	53.4	S0312	.04070	9.9615	0.6	V
9008	22697.71	52 28N	72 2E	74.6	190.6	2.037	-2.10	53.4	S0312	.04070	9.7305	0.6	A
9009	22777.71	47 1N	70 10E	74.3	189.5	2.390	-3.50	58.0	S0312	.03070	9.7800	0.6	A
9010	22787.31	46 16N	70 55E	84.1	189.4	2.037	25.55	58.9	S0312	.02200	8.6081	0.8	A
9011	22819.71	43 47N	69 10E	74.4	189.0	2.390	-6.30	60.6	S0312	.03070	9.7552	0.4	F
9012	22828.91	43 25N	70 10E	86.2	188.9	2.037	28.35	61.3	S0312	.03070	8.3852	0.4	A
9013	22834.51	42 24N	69 30E	78.9	188.8	2.390	17.15	62.0	S0312	.02200	9.2188	0.8	F
9014	22841.31	42 24N	69 30E	78.2	188.8	2.390	17.50	62.0	S0312	.02200	9.3921	0.8	V
9015	22845.11	42 20N	69 33E	80.4	188.8	2.181	19.95	62.0	S0312	.03070	9.0207	0.4	A
9016	22846.11	42 16N	69 31E	80.4	188.8	2.181	19.95	62.1	S0312	.03070	9.0124	0.4	A
9017	22851.11	41 29N	69 34E	84.8	188.7	2.390	26.25	62.8	S0312	.02200	8.5915	0.8	F
9018	22856.11	41 22N	69 25E	81.7	188.7	2.181	23.45	62.8	S0312	.02200	8.9959	1.0	V
9019	22859.31	41 21N	69 24E	83.0	188.6	2.181	23.80	62.9	S0312	.02200	8.7236	1.2	A
9020	22865.91	40 53N	69 33E	89.3	188.6	2.037	31.15	63.3	S0312	.03070	8.0964	0.6	A
9021	22874.11	40 18N	69 37E	95.4	188.5	1.826	36.40	63.9	S0312	.02200	7.5764	0.4	A
9022	22893.51	38 34N	68 50E	85.9	188.4	2.390	27.30	65.0	S0312	.02200	8.4843	0.8	F
9023	22900.31	38 34N	68 14E	76.3	188.3	2.530	9.80	64.7	S0312	.02200	9.5159	0.6	A
9024	22996.91	31 39N	65 45E	80.5	187.6	2.738	-23.45	68.5	S0312	.03070	8.9959	0.6	F
9025	23001.51	31 31N	65 54E	76.9	187.6	2.738	-17.15	68.7	S0312	.03070	9.5489	0.4	V
9026	23017.31	30 15N	67 3E	92.0	187.5	2.181	33.60	70.3	S0312	.02200	7.9891	1.2	V
9027	23020.71	30 15N	67 3E	93.6	187.5	2.181	33.95	70.3	S0312	.02200	7.7167	1.2	A
9028	23038.31	28 49N	64 56E	86.2	187.4	2.530	-30.80	69.7	S0312	.02200	8.3770	0.6	F
9029	23041.51	28 48N	64 55E	85.3	187.4	2.738	-31.15	69.7	S0312	.02200	8.6081	0.6	V
9030	23044.91	28 47N	64 54E	86.1	187.4	2.738	-30.80	69.7	S0312	.02200	8.4512	0.4	A
9031	23748.31	20 7S	57 30E	110.4	186.9	2.738	18.90	46.5	S0312	.03070	6.5035	1.2	F
9032	23752.31	20 7S	57 30E	109.8	186.9	2.530	19.60	46.5	S0312	.03070	6.5861	1.2	V
383 5001	27906.71	58 50N	52 14E	76.4	192.7	1.690	-11.55	47.7	S0255	.03080	9.5003	0.6	F
5002	27920.51	58 11N	52 40E	76.1	192.3	1.826	6.30	48.4	S0255	.03080	9.5498	0.8	A
5003	28061.51	48 17N	48 32E	74.5	189.8	2.181	-1.40	57.0	S0255	.03080	9.7562	0.4	F
5004	28575.51	13 33N	39 29E	105.5	186.7	2.881	-42.70	69.8	S0255	.01660	6.8755	0.8	A
9001	27814.91	65 5N	56 41E	76.0	195.6	1.338	4.55	41.9	S0312	.03070	9.6727	0.6	V
9002	27817.71	65 5N	56 42E	76.9	195.5	1.338	4.90	42.0	S0312	.03070	9.4416	0.6	A
9003	27833.11	64 12N	54 51E	79.5	194.9	1.338	-17.85	42.7	S0312	.02200	9.1362	0.4	A
9004	27837.51	63 45N	54 10E	82.3	194.7	1.135	-24.85	43.1	S0312	.04070	8.9299	0.4	V
9005	27843.31	63 36N	53 50E	85.8	194.5	1.338	-28.70	43.2	S0312	.04070	8.4678	0.6	A
9006	27906.51	58 51N	52 14E	76.5	192.7	1.690	-11.55	47.7	S0312	.04070	9.4994	0.8	F
9007	27909.31	58 50N	52 14E	75.6	192.6	1.690	-11.55	47.7	S0312	.04070	9.7222	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
383 9008	27917.71	58 11N	52 40E	75.1	192.4	1.826	5.95	48.4	SO312	.04070	9.7882	0.6	V
9009	27920.51	58 11N	52 40E	76.1	192.3	1.826	6.30	48.4	SO312	.04070	9.5489	0.6	A
9010	28039.91	50 11N	48 34E	77.6	190.1	2.181	-17.85	55.3	SO312	.03070	9.3673	0.4	A
9011	28048.11	49 27N	48 10E	78.8	190.0	2.037	-22.40	55.8	SO312	.03070	9.3261	0.6	V
9012	28050.91	49 27N	48 10E	79.5	190.0	2.037	-22.05	55.8	SO312	.03070	9.1527	0.8	A
9013	28061.51	48 16N	48 32E	74.6	189.8	2.181	-1.40	57.0	SO312	.04070	9.7552	0.4	F
9014	28067.51	47 55N	47 54E	77.2	189.7	2.181	-17.15	57.2	SO312	.03070	9.3838	1.0	F
9015	28073.11	47 54N	47 54E	77.0	189.7	2.181	-16.45	57.2	SO312	.03070	9.4416	0.8	A
9016	28134.51	43 22N	46 5E	85.9	189.0	2.037	-31.50	60.6	SO312	.03070	8.4265	0.4	F
9017	28140.91	43 15N	46 41E	75.8	188.9	2.390	-12.60	61.0	SO312	.03070	9.5984	0.4	A
9018	28183.51	39 50N	46 46E	80.6	188.5	2.530	19.25	64.0	SO312	.04070	9.0455	1.2	F
9019	28186.71	39 49N	46 46E	79.9	188.5	2.530	19.60	64.0	SO312	.04070	9.2105	0.8	V
9020	28197.51	38 59N	45 38E	75.5	188.4	2.530	-11.90	64.2	SO312	.03070	9.6144	1.0	F
9021	28208.11	38 10N	46 17E	79.0	188.3	2.530	17.50	65.1	SO312	.02200	9.2270	0.6	F
9022	28211.71	38 6N	46 19E	79.3	188.3	2.530	19.60	65.2	SO312	.03070	9.2765	0.6	V
9023	28214.71	38 6N	46 19E	80.5	188.2	2.530	19.95	65.2	SO312	.03070	9.0042	0.6	A
9024	28219.11	37 23N	46 11E	80.9	188.2	2.530	20.65	65.7	SO312	.03070	9.0124	0.8	F
9025	28222.11	37 23N	46 11E	80.2	188.2	2.530	21.00	65.7	SO312	.03070	9.1693	0.6	V
9026	28235.51	36 39N	44 20E	87.9	188.1	2.390	-35.00	65.4	SO312	.03070	8.3443	0.6	V
9027	28238.71	36 39N	44 20E	88.7	188.1	2.390	-34.65	65.4	SO312	.03070	8.2037	0.6	A
9028	28251.51	35 31N	44 22E	81.4	188.0	2.530	-26.60	66.3	SO312	.01650	9.0042	1.2	V
9029	28256.51	35 11N	44 9E	84.9	187.9	2.530	-31.15	66.4	SO312	.01650	8.6658	1.0	V
9030	28266.71	34 43N	44 46E	75.3	187.9	2.738	-3.15	67.5	SO312	.03070	9.6397	1.0	F
9031	28272.91	33 47N	44 42E	75.4	187.8	2.881	-2.10	67.7	SO312	.03070	9.6314	0.6	F
9032	28275.71	33 46N	44 41E	74.6	187.8	2.881	-1.75	67.7	SO312	.03070	9.8460	0.4	V
9033	28279.71	33 20N	44 29E	75.6	187.8	2.881	-6.30	67.9	SO312	.03070	9.5984	0.6	F
9034	28285.11	33 20N	44 29E	75.7	187.8	2.881	-5.60	67.9	SO312	.03070	9.5819	0.8	A
9035	28291.71	32 44N	43 51E	80.2	187.7	2.738	-23.80	68.0	SO312	.03070	9.1527	0.4	V
9036	28300.71	32 3N	44 18E	74.9	187.7	2.881	-2.10	68.7	SO312	.03070	9.8130	0.6	V
9037	28636.91	8 46N	39 2E	94.9	186.6	2.881	-32.20	68.1	SO312	.02200	7.5764	1.2	F
9038	28642.31	8 36N	39 15E	88.1	186.6	3.092	-23.10	68.2	SO312	.03070	8.2944	1.2	V
9039	28645.71	8 36N	39 15E	88.9	186.6	3.439	-22.75	68.2	SO312	.03070	8.1294	1.0	A
9040	28771.11	0 27S	37 28E	98.3	186.5	3.092	-29.40	62.2	SO312	.02200	7.3123	2.0	F
9041	28778.11	0 27S	37 30E	97.3	186.5	3.439	-28.00	62.2	SO312	.02200	7.4196	2.0	A
9042	28792.71	1 27S	37 17E	97.9	186.5	3.439	-29.05	61.5	SO312	.02200	7.3701	1.6	A
9043	28798.91	1 47S	36 48E	112.7	186.5	3.232	-40.60	60.9	SO312	.02200	6.4210	1.4	A
9044	28927.11	10 37S	35 35E	106.2	186.6	3.439	-29.40	54.0	SO312	.02200	6.7676	1.6	A
9045	28956.51	13 9S	37 30E	132.2	186.7	1.826	40.95	53.2	SO312	.02200	5.4884	0.6	V
9046	28961.71	13 10S	37 29E	134.7	186.7	1.690	41.30	53.2	SO312	.02200	5.2656	0.4	A
9047	29051.91	19 45S	34 55E	102.6	186.9	3.092	2.45	46.6	SO312	.02200	6.9905	0.8	F
9048	29056.11	19 47S	34 50E	101.4	186.9	3.092	0.70	46.5	SO312	.04070	7.1308	0.8	V
9049	29059.91	19 47S	34 51E	103.0	186.9	3.092	1.40	46.5	SO312	.04070	6.9079	0.8	A
9050	29143.31	25 51S	32 33E	120.1	187.2	2.881	-29.40	40.4	SO312	.03070	5.9176	0.8	F
9051	29148.51	25 55S	32 35E	117.5	187.2	3.092	-28.00	40.4	SO312	.03070	6.1404	1.0	V
9052	29152.91	25 55S	32 36E	118.6	187.3	3.092	-27.30	40.4	SO312	.03070	6.0166	1.0	A
9053	29178.31	27 58S	32 27E	113.1	187.4	3.092	-20.30	38.7	SO312	.03070	6.3715	0.8	V
9054	29182.51	27 58S	32 27E	114.6	187.4	3.092	-19.95	38.7	SO312	.03070	6.2064	0.8	A
384 5001	33178.71	61 35N	31 29E	77.2	193.6	1.484	-12.25	45.2	SO255	.03080	9.4260	0.6	A
5002	33407.11	45 44N	24 43E	83.4	189.3	2.037	-29.05	58.8	SO255	.02210	8.6914	0.6	F
5003	33414.11	45 45N	24 6E	97.6	189.3	2.037	-42.00	58.6	SO255	.02210	7.4698	0.6	A
9001	33069.71	68 23N	38 41E	84.3	198.0	1.135	23.80	38.8	SO312	.04070	8.7236	0.8	V
9002	33072.71	68 24N	38 42E	85.5	197.8	1.135	24.15	38.8	SO312	.04070	8.4925	0.8	A
9003	33085.31	67 33N	34 19E	87.9	197.2	0.995	-29.75	39.5	SO312	.03070	8.2367	0.8	F
9004	33088.31	67 33N	34 20E	86.5	197.0	0.995	-29.40	39.5	SO312	.03070	8.4843	0.8	V
9005	33090.51	67 24N	34 13E	86.5	196.9	0.995	-29.40	39.6	SO312	.03070	8.4843	0.6	V
9006	33093.71	67 24N	34 14E	87.2	196.8	0.995	-29.05	39.7	SO312	.03070	8.3357	0.6	A
9007	33100.51	66 40N	34 20E	80.2	196.5	1.135	-19.95	40.4	SO312	.05390	9.1445	0.4	V
9008	33103.51	66 40N	34 20E	81.0	196.3	1.338	-19.95	40.4	SO312	.05390	8.9712	0.4	A
9009	33121.71	64 57N	34 17E	76.4	195.6	1.484	0.70	42.1	SO312	.03070	9.4911	0.8	F
9010	33127.11	64 57N	34 17E	76.4	195.4	1.484	1.05	42.1	SO312	.03070	9.4994	1.0	A
9011	33178.51	61 35N	31 29E	77.1	193.6	1.484	-12.25	45.2	SO312	.04070	9.4251	0.6	A
9012	33192.71	60 19N	30 11E	82.5	193.2	1.338	-24.85	46.3	SO312	.04070	8.7731	0.6	F
9013	33195.51	60 19N	30 12E	81.3	193.1	1.338	-24.50	46.3	SO312	.04070	9.0290	0.6	V
9014	33199.91	59 48N	30 11E	79.7	193.0	1.338	-19.95	46.8	SO312	.04070	9.0867	0.8	F
9015	33202.71	59 48N	30 11E	78.8	192.9	1.338	-19.95	46.8	SO312	.04070	9.3178	0.8	V
9016	33214.11	58 39N	31 24E	80.7	192.6	1.826	18.90	48.0	SO312	.04070	9.0207	0.8	F
9017	33216.91	58 39N	31 24E	80.0	192.6	1.826	19.25	48.0	SO312	.04070	9.2023	0.8	V
9018	33220.91	58 35N	31 19E	80.5	192.5	1.826	18.55	48.1	SO312	.04070	9.0207	1.2	A
9019	33234.91	57 46N	29 43E	75.8	192.1	1.826	-9.10	48.7	SO312	.04070	9.5902	0.6	A
9020	33245.31	56 45N	28 39E	80.9	191.9	1.690	-23.45	49.5	SO312	.04070	8.9464	0.6	F
9021	33248.11	56 45N	28 39E	80.0	191.9	1.690	-23.45	49.5	SO312	.04070	9.1775	0.4	V
9022	33251.11	56 44N	28 41E	80.3	191.8	1.690	-22.40	49.5	SO312	.04070	9.0537	0.4	A
9023	33255.91	56 2N	28 19E	81.4	191.7	1.690	-24.50	50.1	SO312	.03070	8.8887	0.4	F
9024	33258.71	56 2N	28 18E	80.5	191.6	1.690	-24.50	50.1	SO312	.04070	9.1197	0.4	V
9025	33263.91	55 27N	28 35E	76.4	191.5	1.826	-12.95	50.7	SO312	.04070	9.4994	0.8	F
9026	33266.71	55 26N	28 34E	75.5	191.5	1.826	-12.95	50.7	SO312	.04070	9.7387	0.6	V
9027	33272.71	54 59N	28 47E	74.0	191.4	1.826	-2.80	51.2	SO312	.04070	9.9285	0.4	V
9028	33275.31	54 60N	28 47E	74.9	191.3	2.037	-2.45	51.2	SO312	.04070	9.7057	0.6	A
9029	33285.91	53 59N	27 39E	79.5	191.1	1.826	-21.70	52.0	SO312	.03070	9.1197	1.0	F
9030	33289.11	53 57N	27 38E	78.4	191.0	1.826	-21.35	52.0	SO312	.04070	9.3756	0.6	V
9031	33291.31	53 48N	27 35E	78.4	191.0	1.826	-21.35	52.1	SO312	.04070	9.3756	0.6	V
9032	33294.31	53 48N	27 34E	79.4	191.0	1.826	-21.35	52.1	SO312	.04070	9.1775	0.6	A
9033	33301.51	53 16N	27 43E	76.1	190.8	2.037	-12.95	52.7	SO312	.04070	9.5489	0.6	A
9034	33305.11	53 1N	27 37E	76.2	190.8	2.037	-13.30	52.9	SO312	.04070	9.5406	0.6	A
9035	33310.51	52 14N	27 49E	74.7	190.7	2.037	-0.35	53.7	SO312	.04070	9.7222	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
384 9036	33313.11	52 14N	27 49E	73.9	190.6	2.037	0.00	53.7	SO312	.04070	9.9450	1.0	V
9037	33322.31	51 20N	28 11E	79.8	190.5	2.037	18.55	54.6	SO312	.03070	9.1280	0.6	F
9038	33327.71	51 10N	28 1E	77.6	190.4	2.037	16.10	54.7	SO312	.04070	9.4664	0.8	V
9039	33330.71	51 10N	28 1E	78.7	190.4	2.037	16.45	54.7	SO312	.03070	9.2105	0.8	A
9040	33334.71	50 54N	27 49E	77.5	190.3	2.037	13.65	54.9	SO312	.03070	9.3591	0.8	A
9041	33342.71	50 15N	26 44E	74.6	190.2	2.037	-11.20	55.3	SO312	.04070	9.8543	0.6	V
9042	33349.51	49 32N	27 12E	76.0	190.1	2.181	9.45	56.1	SO312	.03070	9.5654	0.6	F
9043	33352.11	49 32N	27 13E	75.2	190.0	2.181	9.80	56.1	SO312	.04070	9.7635	1.2	V
9044	33354.31	49 23N	27 10E	75.2	190.0	2.181	9.80	56.2	SO312	.04070	9.7635	0.6	V
9045	33357.11	49 23N	27 10E	76.2	190.0	2.181	10.15	56.2	SO312	.03070	9.5076	0.6	A
9046	33360.91	48 56N	26 60E	75.1	189.9	2.181	9.45	56.6	SO312	.04070	9.7800	0.6	V
9047	33363.71	48 56N	26 60E	76.1	189.9	2.181	9.80	56.6	SO312	.03070	9.5241	0.6	A
9048	33375.51	47 45N	26 41E	76.6	189.7	2.181	11.20	57.6	SO312	.03070	9.5159	0.6	F
9049	33380.51	47 47N	26 41E	76.8	189.7	2.181	11.90	57.6	SO312	.03070	9.4416	1.0	A
9050	33422.71	44 60N	24 59E	76.3	189.2	2.390	-15.05	59.6	SO312	.03070	9.5406	1.2	A
9051	33430.11	44 48N	24 21E	82.2	189.1	2.181	-26.95	60.1	SO312	.03070	8.7979	0.4	F
9052	33432.91	44 9N	24 22E	81.1	189.1	2.181	-26.60	60.1	SO312	.03070	9.0537	0.6	V
9053	33443.71	43 10N	24 43E	74.8	188.9	2.390	-8.05	61.1	SO312	.03070	9.7057	0.4	F
9054	33446.31	43 10N	24 43E	73.9	188.9	2.390	-7.70	61.1	SO312	.03070	9.9368	0.4	V
9055	33452.71	42 41N	24 59E	74.1	188.9	2.390	5.95	61.6	SO312	.03070	9.9203	0.4	V
9056	33455.31	42 41N	24 59E	75.0	188.8	2.390	6.30	61.6	SO312	.03070	9.6644	0.4	A
9057	33460.51	42 9N	24 44E	73.9	188.8	2.390	2.10	62.0	SO312	.03070	9.9450	0.4	V
9058	33463.11	42 10N	24 44E	74.8	188.8	2.390	2.45	62.0	SO312	.03070	9.6892	0.6	A
9059	33468.31	41 37N	24 41E	73.9	188.7	2.390	5.25	62.5	SO312	.03070	9.9450	0.6	V
9060	33471.11	41 36N	24 41E	74.8	188.7	2.390	5.60	62.5	SO312	.03070	9.6892	0.6	A
9061	33482.91	40 46N	23 3E	91.4	188.6	2.037	-37.80	62.5	SO312	.01650	8.0221	0.8	V
9062	33486.31	40 46N	23 3E	92.2	188.5	2.037	-37.45	62.5	SO312	.01650	7.8983	0.8	A
9063	33515.11	38 13N	23 48E	75.3	188.3	2.530	4.55	64.9	SO312	.03070	9.6562	0.6	F
9064	33517.71	38 13N	23 48E	74.5	188.3	2.530	4.90	64.9	SO312	.03070	9.8625	0.6	V
9065	33520.91	38 0N	23 46E	74.8	188.3	2.530	5.60	65.1	SO312	.03070	9.8295	0.6	V
9066	33523.71	38 0N	23 46E	75.8	188.2	2.530	5.95	65.1	SO312	.03070	9.5654	0.6	A
9067	34133.11	4 16S	15 19E	91.0	186.5	3.439	-7.00	59.7	SO312	.03070	7.9231	0.8	F
9068	34136.51	4 17S	15 18E	90.1	186.5	3.439	-7.00	59.7	SO312	.03070	8.0716	1.2	V
9069	34140.11	4 18S	15 18E	91.3	186.5	3.439	-6.65	59.7	SO312	.03070	7.8653	1.0	A
9070	34182.51	7 44S	15 16E	97.2	186.6	3.092	13.30	57.2	SO312	.03070	7.4279	0.6	F
9071	34186.11	7 44S	15 16E	96.5	186.6	2.881	14.00	57.2	SO312	.03070	7.5357	0.6	V
9072	34199.31	8 44S	13 20E	122.1	186.6	2.881	-42.00	55.3	SO312	.02200	5.8433	0.8	F
9073	34200.91	8 51S	13 19E	122.2	186.6	2.881	-42.00	55.2	SO312	.02200	5.8433	0.6	F
9074	34203.71	8 44S	13 19E	120.6	186.6	3.092	-42.00	55.3	SO312	.02200	6.0249	2.0	V
9075	34209.51	8 49S	13 17E	122.6	186.6	3.092	-42.00	55.2	SO312	.02200	5.8763	0.6	A
9076	34288.11	14 53S	13 32E	97.1	186.7	3.232	-3.15	50.8	SO312	.03070	7.3949	1.2	F
9077	34291.51	14 53S	13 32E	96.4	186.7	3.232	-2.80	50.8	SO312	.03070	7.5187	0.6	V
9078	34300.91	15 36S	14 3E	104.8	186.8	2.738	18.90	50.5	SO312	.03070	6.9079	0.6	V
9079	34304.71	15 35S	14 4E	106.7	186.8	2.530	19.60	50.6	SO312	.03070	6.6768	0.6	A
385 5001	38662.51	49 9N	4 27E	74.6	190.0	2.181	-5.95	56.3	SO255	.03080	9.7314	1.0	F
9001	38628.71	51 57N	4 27E	84.4	190.5	1.826	-29.40	53.7	SO312	.03070	8.6328	0.6	A
9002	38643.91	50 52N	4 22E	80.0	190.3	2.037	-23.10	54.7	SO312	.03070	9.0867	0.8	A
9003	38662.51	49 9N	4 27E	74.6	190.0	2.181	-5.95	56.3	SO312	.04070	9.7305	1.0	F
9004	38667.91	49 9N	4 27E	74.6	189.9	2.181	-5.25	56.3	SO312	.04070	9.7305	0.8	A
9005	38683.31	47 37N	4 53E	81.3	189.7	2.181	21.35	57.8	SO312	.03070	8.9712	1.0	F
9006	38689.11	47 37N	4 53E	81.7	189.6	2.037	22.05	57.8	SO312	.03070	8.8721	1.0	A
9007	38748.31	43 15N	2 59E	74.9	189.0	2.390	3.50	61.2	SO312	.03070	9.7057	1.0	F
9008	38753.71	43 15N	2 59E	75.1	188.9	2.390	4.20	61.2	SO312	.03070	9.6562	1.0	A
9009	38853.11	36 14N	1 20E	75.9	188.1	2.530	9.45	66.4	SO312	.03070	9.6892	0.6	V
9010	38855.91	36 14N	1 20E	76.9	188.0	2.530	9.80	66.4	SO312	.03070	9.4168	0.6	A
9011	38866.51	35 25N	0 8E	81.2	188.0	2.530	-26.60	66.4	SO312	.03070	9.0537	0.6	V
9012	38869.31	35 26N	0 8E	81.9	188.0	2.738	-26.25	66.4	SO312	.03070	8.8804	0.8	A
9013	38889.31	33 43N	1 2E	79.7	187.8	2.530	19.25	68.1	SO312	.03070	9.2270	0.6	V
9014	38892.31	33 42N	1 1E	80.9	187.8	2.530	19.60	68.1	SO312	.03070	8.9464	0.6	A
387 9001	49988.11	0 5N	51 4W	104.2	186.5	3.092	-35.00	62.4	SO312	.02200	6.8914	1.8	F
9002	50048.31	3 44S	49 43W	113.2	186.5	2.181	34.30	60.9	SO312	.02200	6.2972	1.0	A
9003	50092.71	6 36S	51 59W	100.5	186.6	3.567	-26.25	57.4	SO312	.02200	7.1638	1.4	A
9004	50168.11	11 57S	53 20W	113.3	186.7	3.092	-35.70	52.7	SO312	.02200	6.4045	1.4	V
9005	50274.91	18 50S	55 3W	133.3	186.9	3.092	-42.70	46.5	SO312	.02200	5.3811	1.4	A
9006	50288.11	20 26S	54 39W	112.5	186.9	3.092	-27.65	45.4	SO312	.03070	6.3385	1.4	F
9007	50296.51	20 27S	54 38W	111.7	187.0	3.232	-26.25	45.4	SO312	.03070	6.3962	0.4	A
9008	50364.11	25 43S	54 28W	108.5	187.2	2.881	8.40	41.2	SO312	.03070	6.6026	1.0	F
9009	50370.91	25 53S	54 41W	106.3	187.2	2.881	3.85	40.9	SO312	.03070	6.7841	1.0	V
9010	50385.91	27 6S	55 30W	109.3	187.3	3.092	-13.30	39.5	SO312	.03070	6.5283	0.8	F
9011	50394.11	27 21S	55 58W	114.2	187.3	3.092	-23.45	39.1	SO312	.03070	6.3137	1.4	V
9012	50401.71	27 54S	55 45W	109.6	187.4	3.092	-14.70	38.8	SO312	.03070	6.5778	0.6	V
9013	50408.71	28 38S	55 59W	112.5	187.4	3.092	-17.50	38.1	SO312	.03070	6.3302	0.6	F
9014	50415.91	28 33S	56 3W	113.6	187.4	3.232	-18.90	38.1	SO312	.03070	6.2559	0.6	A
9015	50420.71	29 7S	56 32W	119.4	187.5	3.232	-27.65	37.4	SO312	.03070	6.0249	0.6	V
9016	50425.51	29 43S	57 4W	132.1	187.5	2.881	-36.05	36.7	SO312	.03070	5.3646	0.8	F
9017	50429.51	29 39S	57 8W	132.6	187.5	2.881	-37.10	36.7	SO312	.03070	5.4224	1.4	V
9018	50438.51	30 22S	56 26W	113.6	187.5	3.092	-18.55	36.4	SO312	.03070	6.3385	0.6	V
9019	50448.51	30 52S	55 33W	113.2	187.6	2.738	8.40	36.4	SO312	.03070	6.2477	0.6	A
9020	50465.71	32 21S	55 33W	116.8	187.7	2.390	15.75	35.1	SO312	.03070	6.1487	0.8	V
9021	50473.91	32 48S	56 31W	111.6	187.7	2.881	-6.30	34.3	SO312	.03070	6.4458	0.6	V
9022	50481.31	33 19S	56 30W	111.8	187.8	2.881	-3.15	33.9	SO312	.03070	6.4293	1.4	V
9023	50492.71	34 15S	57 57W	130.4	187.9	2.738	-31.50	32.5	SO312	.03070	5.4389	1.0	F
9024	50497.71	34 34S	58 22W	139.6	187.9	2.530	-37.10	32.1	SO312	.03070	5.0675	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
387 9025	50505.71	34 50S	57 52W	124.1	187.9	2.881	-26.60	32.1	SO312	.04070	5.7855	0.6	V
9026	50510.31	34 50S	57 53W	125.7	188.0	3.092	-26.60	32.1	SO312	.04070	5.6452	0.6	A
9027	50511.71	34 55S	57 54W	125.8	188.0	3.092	-26.60	32.0	SO312	.04070	5.6452	1.4	A
9028	50517.91	35 56S	58 34W	136.8	188.0	2.530	-34.65	30.9	SO312	.03070	5.1666	1.4	F
9029	50526.31	36 17S	57 42W	117.3	188.1	2.881	-15.40	30.9	SO312	.03070	6.1156	1.4	V
9030	50530.51	36 51S	57 50W	118.8	188.1	2.881	-15.40	30.4	SO312	.03070	5.9753	1.4	F
9031	50538.31	37 17S	59 8W	143.6	188.2	2.530	-37.80	29.5	SO312	.03070	4.9272	0.6	F
9032	50546.71	37 56S	57 47W	117.2	188.2	2.738	-7.70	29.5	SO312	.03070	6.0579	0.6	F
9033	50550.51	37 57S	57 39W	115.8	188.3	2.738	-4.20	29.5	SO312	.03070	6.1982	0.6	V
9034	50555.71	38 1S	57 32W	117.6	188.3	2.738	-0.70	29.5	SO312	.04070	6.0084	0.6	A
9035	50563.71	38 26S	58 31W	124.0	188.4	2.881	-20.65	28.8	SO312	.03070	5.7112	0.6	A
388 9001	55031.11	18 29N	69 18W	81.4	186.8	3.232	-15.75	71.8	SO312	.03070	8.8887	0.8	A
9002	55133.71	10 52N	69 37W	92.6	186.6	2.738	24.85	70.5	SO312	.02200	7.8405	1.4	F
9003	55146.71	10 14N	70 3W	85.2	186.6	3.092	13.65	69.9	SO312	.03070	8.5750	1.4	V
9004	55156.91	9 20N	70 13W	85.7	186.6	3.092	13.30	69.4	SO312	.03070	8.4678	1.4	F
9005	55166.31	8 40N	70 13W	89.0	186.6	3.092	17.50	69.2	SO312	.03070	8.1541	0.8	F
9006	55202.71	6 30N	71 45W	91.1	186.5	3.232	-26.60	66.9	SO312	.03070	8.0056	1.4	V
9007	55207.71	5 58N	71 52W	93.1	186.5	3.232	-27.65	66.6	SO312	.02200	7.7250	1.4	F
9008	55213.91	5 29N	71 39W	87.4	186.5	3.439	-17.15	66.5	SO312	.03070	8.2532	1.4	F
9009	55219.71	5 20N	71 58W	92.1	186.5	3.232	-26.95	66.2	SO312	.03070	7.9231	1.4	V
9010	55229.91	4 46N	71 18W	86.1	186.5	3.232	2.80	66.5	SO312	.03070	8.3605	1.4	A
9011	55232.31	4 36N	71 20W	86.1	186.5	3.232	2.80	66.4	SO312	.03070	8.3522	0.8	A
9012	55259.31	2 50N	72 17W	91.6	186.5	3.439	-22.05	64.7	SO312	.03070	7.8818	0.8	A
9013	55301.51	0 22S	72 7W	88.3	186.5	3.232	5.25	62.9	SO312	.03070	8.2614	1.0	V
9014	55330.51	2 3S	73 7W	94.3	186.5	3.439	-21.35	61.1	SO312	.03070	7.6425	1.0	A
9015	55347.51	3 42S	73 11W	91.9	186.5	3.439	-14.00	60.0	SO312	.03070	7.8323	0.6	F
9016	55350.71	3 41S	73 11W	90.9	186.5	3.439	-13.65	60.0	SO312	.03070	8.0056	1.4	V
9017	55354.91	3 44S	73 15W	92.6	186.5	3.439	-15.05	59.9	SO312	.03070	7.7662	0.6	A
9018	55409.11	7 33S	72 45W	106.3	186.6	2.530	25.90	57.6	SO312	.02200	6.7181	1.4	A
9019	55466.11	11 46S	75 30W	117.0	186.6	2.881	-38.85	52.8	SO312	.02200	6.1074	0.4	F
9020	55473.91	12 3S	75 12W	106.3	186.7	3.232	-29.40	52.7	SO312	.01650	6.8254	0.6	V
9021	55477.71	12 2S	75 12W	107.3	186.7	3.439	-29.05	52.8	SO312	.01650	6.6934	0.6	A
9022	55498.71	13 40S	73 21W	125.2	186.7	1.826	37.80	52.6	SO312	.01220	5.6700	1.0	A
389 9001	60015.91	39 59N	86 5W	76.7	188.5	2.530	11.20	63.8	SO312	.02200	9.4911	3.6	F
9002	60023.31	39 51N	86 7W	77.1	188.4	2.530	11.90	63.9	SO312	.02200	9.4003	3.8	A
9003	60346.51	17 30N	91 23W	79.1	186.8	3.232	-8.40	71.8	SO312	.03070	9.2600	0.6	V
9004	60349.51	17 29N	91 24W	80.1	186.8	3.232	-8.05	71.8	SO312	.03070	9.0290	0.6	A
9005	60362.51	16 14N	92 7W	87.5	186.8	3.092	-28.00	71.1	SO312	.03070	8.2532	0.4	F
9006	60365.51	16 14N	92 8W	86.4	186.8	3.092	-27.65	71.1	SO312	.03070	8.4760	0.6	V
9007	60377.71	15 3N	91 8W	86.9	186.7	2.881	18.90	71.9	SO312	.03070	8.3522	0.6	F
9008	60380.71	15 3N	91 9W	86.2	186.7	2.881	19.25	71.9	SO312	.03070	8.4760	0.6	V
390 9001	65332.11	39 8N	108 31W	75.1	188.4	2.530	7.35	64.4	SO312	.02200	9.6974	0.6	F
9002	65334.71	39 8N	108 31W	74.3	188.4	2.530	7.70	64.4	SO312	.03070	9.8955	0.8	V
9003	65337.51	39 8N	108 31W	75.3	188.4	2.530	8.05	64.4	SO312	.04070	9.6232	0.6	A
9004	65436.31	31 60N	110 18W	75.5	187.7	2.881	3.15	68.9	SO312	.02200	9.6314	0.6	F
9005	65441.71	31 60N	110 18W	75.8	187.7	2.738	4.20	68.9	SO312	.02200	9.5571	0.6	A
9006	65477.91	29 8N	110 57W	76.4	187.5	2.881	2.10	70.3	SO312	.03070	9.5159	0.6	F
9007	65480.71	29 8N	110 57W	75.6	187.4	2.881	2.45	70.3	SO312	.03070	9.7057	0.4	V
394 9001	1250.51	35 15S	149 10E	122.8	187.9	2.390	17.50	32.3	SO312	.03070	5.8020	1.2	F
9002	1259.71	35 16S	149 11E	124.3	188.0	2.181	18.55	32.3	SO312	.03070	5.6700	1.0	A
395 5001	5370.11	46 41N	142 49E	74.6	189.5	2.390	1.75	58.6	SO255	.02210	9.7562	0.4	A
9001	5297.31	51 50N	143 9E	87.2	190.5	1.826	-32.90	53.9	SO312	.02200	8.3522	0.4	A
9002	5320.91	49 46N	142 52E	80.9	190.1	1.826	-24.85	55.7	SO312	.03070	8.9629	0.8	F
9003	5326.51	49 47N	142 52E	80.6	190.0	2.037	-24.50	55.7	SO312	.03070	9.0207	1.0	A
9004	5335.31	49 8N	142 58E	76.8	189.9	2.181	-16.45	56.4	SO312	.03070	9.4581	0.6	A
9005	5355.91	47 19N	142 47E	74.4	189.6	2.181	-5.60	58.0	SO312	.03070	9.7552	0.6	F
9006	5360.71	46 59N	142 41E	74.4	189.6	2.390	-5.95	58.2	SO312	.03070	9.7635	0.8	F
9007	5363.71	46 58N	142 40E	73.5	189.5	2.181	-5.60	58.3	SO312	.03070	9.9946	0.4	V
9008	5369.91	46 42N	142 49E	74.5	189.5	2.390	1.75	58.6	SO312	.03070	9.7552	0.4	A
9009	5376.11	45 58N	142 6E	76.0	189.4	2.181	-14.35	59.0	SO312	.03070	9.5324	0.8	F
9010	5378.91	45 57N	142 6E	75.1	189.4	2.181	-14.00	59.0	SO312	.03070	9.7800	1.0	V
9011	5382.31	45 54N	142 5E	75.9	189.3	2.390	-14.00	59.0	SO312	.03070	9.5737	0.4	A
9012	5512.31	36 30N	140 37E	81.0	188.1	2.530	19.60	66.5	SO312	.02200	9.0042	0.8	F
9013	5515.11	36 30N	140 37E	80.3	188.1	2.530	19.95	66.5	SO312	.02200	9.1610	1.0	V
396 9001	10586.31	53 2N	122 25E	75.3	190.8	2.037	-9.80	53.1	SO312	.03070	9.6479	0.4	A
9002	10640.91	48 51N	121 49E	77.0	189.9	2.181	14.00	56.9	SO312	.03070	9.4499	0.8	F
9003	10647.11	48 47N	121 54E	78.9	189.9	2.037	17.85	57.0	SO312	.03070	9.1858	0.4	A
9004	10733.91	42 58N	119 4E	76.5	188.9	2.390	-16.45	61.4	SO312	.03070	9.4994	0.4	A
9005	10757.91	40 55N	118 48E	74.3	188.6	2.530	-8.40	63.0	SO312	.03070	9.7717	0.8	F
9006	10760.71	40 55N	118 47E	73.6	188.6	2.530	-8.40	63.0	SO312	.03070	9.9780	0.6	V
9007	10770.31	40 8N	117 43E	88.9	188.5	2.037	-34.65	63.2	SO312	.02200	8.1294	0.6	F
9008	10772.71	39 58N	117 41E	88.9	188.5	2.037	-34.65	63.3	SO312	.02200	8.1294	0.4	F
9009	10775.71	39 59N	117 38E	88.6	188.5	2.037	-35.35	63.3	SO312	.02200	8.2774	0.6	V
9010	10782.31	39 18N	117 48E	82.3	188.4	2.390	-27.30	63.9	SO312	.03070	8.7979	0.4	F
9011	10786.11	39 2N	117 45E	82.3	188.4	2.390	-26.95	64.1	SO312	.04070	8.7979	1.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
396 9012	10789.31	39 1N	117 43E	81.6	188.4	2.390	-27.30	64.1	SO312	.04070	8.9959	0.4	V
9013	10792.31	39 1N	117 43E	82.4	188.3	2.390	-26.95	64.1	SO312	.04070	8.8309	0.4	A
9014	10806.51	37 29N	118 41E	79.8	188.2	2.530	17.50	65.8	SO312	.04070	9.1362	0.6	F
9015	10823.51	36 26N	117 31E	76.5	188.1	2.738	-14.70	66.1	SO312	.03070	9.4746	1.2	F
9016	10826.71	36 24N	117 31E	75.6	188.1	2.738	-14.35	66.1	SO312	.03070	9.7140	0.6	V
9017	10835.71	35 37N	117 1E	81.4	188.0	2.530	-25.20	66.4	SO312	.02200	8.8804	0.6	F
9018	10838.51	35 26N	116 59E	81.2	188.0	2.530	-24.85	66.5	SO312	.02200	8.8969	0.4	F
9019	10842.71	35 7N	117 8E	77.8	188.0	2.738	-17.85	66.8	SO312	.02200	9.3096	0.6	F
9020	10846.91	34 49N	117 13E	76.2	187.9	2.738	-12.60	67.1	SO312	.03070	9.5076	0.6	F
9021	10853.91	34 29N	117 29E	74.4	187.9	2.738	0.70	67.5	SO312	.02200	9.8625	0.6	V
9022	10859.91	34 17N	117 14E	75.5	187.9	2.738	-6.65	67.5	SO312	.02200	9.6067	0.6	A
9023	10864.51	33 36N	117 2E	75.7	187.8	2.738	-8.75	67.9	SO312	.03070	9.5819	0.4	F
9024	10867.11	33 36N	117 1E	75.0	187.8	2.738	-9.10	67.9	SO312	.02200	9.7965	0.4	V
9025	10877.31	32 32N	118 2E	93.0	187.7	2.390	32.90	69.3	SO312	.02200	7.8405	0.6	F
9026	10882.91	32 36N	118 7E	96.0	187.7	2.181	35.35	69.3	SO312	.02200	7.4939	0.6	A
9027	10890.51	31 56N	117 10E	76.8	187.7	2.738	10.15	69.2	SO312	.03070	9.5654	0.8	V
9028	10896.31	31 45N	117 0E	76.6	187.6	2.738	6.30	69.2	SO312	.03070	9.4499	0.6	A
9029	10902.11	31 23N	116 37E	75.7	187.6	2.861	-5.60	69.2	SO312	.03070	9.5737	0.4	A
9030	10915.31	30 30N	116 15E	77.0	187.5	2.881	-12.25	69.5	SO312	.03070	9.4251	0.6	A
9031	10924.71	29 30N	115 42E	82.4	187.5	2.738	-25.20	69.7	SO312	.02200	8.7649	0.6	F
9032	10927.51	29 30N	115 42E	81.3	187.5	2.738	-24.85	69.7	SO312	.02200	9.0124	0.6	V
9033	10945.51	28 22N	116 15E	77.2	187.4	2.881	5.25	70.8	SO312	.03070	9.3673	0.6	A
9034	10950.51	27 40N	115 58E	76.4	187.4	2.881	-1.40	70.9	SO312	.03070	9.4911	0.6	F
9035	10953.11	27 40N	115 58E	75.6	187.3	2.881	-1.05	70.9	SO312	.03070	9.6974	0.6	V
9036	11003.11	24 23N	115 49E	83.3	187.1	2.738	19.25	72.3	SO312	.03070	8.8658	0.4	A
9037	11017.11	23 7N	114 28E	83.7	187.1	2.881	-24.50	71.5	SO312	.03070	8.6246	0.4	F
9038	11023.51	23 5N	114 36E	80.9	187.1	3.092	-18.55	71.7	SO312	.03070	8.9629	0.4	A
9039	11029.11	22 18N	114 10E	87.1	187.0	2.881	-29.05	71.5	SO312	.03070	8.2779	0.6	F
9040	11032.31	22 18N	114 10E	85.9	187.0	2.881	-28.70	71.5	SO312	.03070	8.5173	0.6	V
9041	11038.31	22 4N	114 18E	82.7	187.0	3.092	-22.05	71.7	SO312	.03070	8.7649	0.4	A
9042	11229.91	8 40N	111 55E	86.4	186.6	3.232	-19.95	68.3	SO312	.03070	8.4512	0.8	V
9043	11233.11	8 40N	111 55E	87.5	186.6	3.439	-19.95	68.3	SO312	.03070	8.2614	0.8	A
9044	11452.51	6 60S	110 25E	104.5	186.5	2.738	24.50	57.9	SO312	.02200	6.9079	1.0	F
9045	11456.31	7 0S	110 26E	104.0	186.6	2.530	25.20	57.9	SO312	.02200	6.9905	0.8	V
9046	11462.91	7 27S	110 14E	101.2	186.6	2.738	21.35	57.5	SO312	.02200	7.1720	1.0	V
9047	11466.71	7 27S	110 14E	103.0	186.6	2.738	21.70	57.5	SO312	.02200	6.9162	1.0	A
397 5001	15848.51	56 9N	101 28E	75.9	191.6	1.826	-11.55	50.3	SO255	.03080	9.5911	0.6	A
9001	15819.51	58 3N	102 50E	75.0	192.3	1.826	1.05	48.7	SO312	.04070	9.6727	0.6	A
9002	15840.51	56 18N	101 41E	75.2	191.8	1.826	-8.40	50.2	SO312	.04070	9.6397	0.4	F
9003	15841.91	56 13N	101 38E	75.1	191.8	1.826	-8.40	50.3	SO312	.04070	9.6479	0.4	F
9004	15844.71	56 12N	101 38E	74.2	191.7	1.826	-8.05	50.3	SO312	.04070	9.8955	0.2	V
9005	15848.51	56 9N	101 28E	75.8	191.6	1.826	-11.55	50.3	SO312	.04070	9.5902	0.6	A
9006	15872.71	53 57N	102 5E	84.3	191.2	2.037	25.55	52.6	SO312	.03070	8.6328	0.6	F
9007	15880.91	53 47N	102 15E	89.2	191.0	1.690	31.15	52.8	SO312	.02200	8.1211	0.4	A
9008	16116.11	37 31N	97 3E	88.0	188.2	2.037	32.55	66.0	SO312	.03070	8.3440	0.6	V
9009	16119.31	37 31N	97 3E	89.6	188.2	2.037	32.90	66.1	SO312	.03070	8.0634	0.6	A
9010	16276.51	26 45N	94 11E	83.0	187.3	2.530	19.25	71.6	SO312	.02200	8.7071	0.8	A
9011	16300.91	24 51N	93 57E	85.6	187.2	2.530	24.50	72.3	SO312	.03070	8.5750	1.0	V
9012	16304.11	24 51N	93 57E	87.1	187.2	2.530	24.85	72.3	SO312	.03070	8.2862	0.8	A
398 5001	20952.51	69 21N	88 17E	77.0	198.8	1.135	-2.45	38.1	SO255	.03080	9.4177	0.8	F
5002	20958.51	69 19N	88 12E	76.8	198.4	1.135	-2.80	38.1	SO255	.03080	9.4590	1.0	A
5003	21161.31	55 29N	78 24E	83.2	191.5	1.484	-27.30	50.8	SO255	.02210	8.6996	0.6	F
5004	21202.11	52 58N	78 37E	74.8	190.8	2.037	2.45	53.3	SO255	.03080	9.7149	0.6	A
5005	21214.51	52 17N	77 3E	85.7	190.6	1.826	-31.15	53.6	SO255	.02210	8.5181	0.6	A
5006	21458.71	35 8N	71 60E	99.4	188.0	2.037	-43.05	66.3	SO255	.01660	7.2635	1.0	F
5007	21462.71	34 51N	71 59E	98.2	187.9	2.037	-42.00	66.5	SO255	.01660	7.3542	0.8	F
5008	21471.51	34 25N	72 34E	79.4	187.9	2.530	-23.45	67.2	SO255	.02210	9.2279	0.4	V
5009	21474.51	34 13N	72 31E	79.6	187.9	2.530	-23.45	67.3	SO255	.02210	9.2114	0.6	V
9001	20952.51	69 21N	88 16E	77.0	198.8	1.135	-2.45	38.1	SO312	.04070	9.4168	1.0	F
9002	20958.31	69 20N	88 13E	76.8	198.5	1.135	-2.80	38.1	SO312	.04070	9.4581	1.0	A
9003	20992.71	66 41N	85 58E	76.5	196.7	1.338	-1.05	40.7	SO312	.03070	9.4829	0.8	F
9004	20998.11	66 42N	85 58E	76.4	196.4	1.338	-0.70	40.6	SO312	.03070	9.4911	1.0	A
9005	21161.31	55 28N	78 24E	83.2	191.5	1.484	-27.30	50.8	SO312	.03070	8.6988	0.6	F
9006	21202.11	52 57N	78 37E	74.8	190.8	2.037	2.45	53.3	SO312	.04070	9.7140	0.6	A
9007	21214.51	52 17N	77 3E	85.7	190.6	1.826	-31.15	53.6	SO312	.03070	8.5173	0.6	A
9008	21227.11	50 48N	78 31E	80.7	190.4	2.181	20.30	55.3	SO312	.03070	9.0042	0.6	F
9009	21230.11	50 47N	78 31E	80.0	190.3	2.181	20.65	55.3	SO312	.03070	9.1775	0.8	V
9010	21233.11	50 47N	78 31E	81.2	190.3	2.181	21.00	55.3	SO312	.03070	8.9134	0.8	A
9011	21244.51	49 49N	78 0E	77.5	190.1	2.037	16.80	56.1	SO312	.03070	9.4829	0.8	V
9012	21247.51	49 49N	78 0E	78.6	190.1	2.037	17.15	56.1	SO312	.03070	9.2270	0.8	A
9013	21338.51	43 20N	74 57E	76.3	189.0	2.390	-16.80	61.1	SO312	.03070	9.5076	0.6	F
9014	21341.31	43 20N	74 57E	75.3	188.9	2.390	-16.45	61.1	SO312	.03070	9.7552	0.4	V
9015	21347.71	42 55N	74 35E	78.9	188.9	2.181	-23.80	61.3	SO312	.02200	9.2931	0.4	V
9016	21350.71	42 55N	74 36E	79.6	188.8	2.390	-23.45	61.3	SO312	.02200	9.1445	1.0	A
9017	21418.31	38 12N	73 58E	73.1	188.2	2.738	-4.90	65.1	SO312	.03070	9.9285	0.6	A
9018	21471.51	34 25N	72 34E	79.4	187.9	2.530	-23.45	67.2	SO312	.03070	9.2270	1.8	V
9019	21474.51	34 12N	72 31E	79.7	187.9	2.530	-23.45	67.3	SO312	.03070	9.2105	0.4	V
9020	21483.71	33 52N	71 55E	93.0	187.8	2.530	-38.50	67.2	SO312	.02200	7.8075	1.0	A
9021	21521.71	30 47N	73 21E	91.3	187.6	2.181	32.20	70.2	SO312	.02200	8.0468	1.2	V
9022	21525.11	30 47N	73 21E	92.9	187.6	2.181	32.55	70.2	SO312	.02200	7.7745	1.0	A
9023	21573.51	27 8N	71 43E	77.1	187.3	2.881	2.45	71.2	SO312	.03070	9.4251	1.0	F
9024	21579.11	27 7N	71 44E	77.4	187.3	2.881	3.50	71.2	SO312	.03070	9.3508	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
398 9025	21594.91	25 50N	71 30E	76.8	187.2	2.881	4.20	71.6	S0312	.02200	9.5489	0.6	V
9026	21597.71	25 51N	71 30E	77.8	187.2	2.881	4.55	71.6	S0312	.02200	9.2931	0.6	A
9027	21641.91	22 29N	70 5E	84.7	187.0	2.881	-25.55	71.6	S0312	.03070	8.5173	1.0	F
9028	21648.11	22 29N	70 4E	84.6	187.0	3.092	-25.20	71.6	S0312	.03070	8.5750	0.8	A
399 5001	26406.91	59 49N	60 12E	79.4	192.9	1.484	16.80	47.2	S0255	.03080	9.1619	0.6	A
5002	26427.51	58 22N	60 6E	87.8	192.4	1.484	29.40	48.6	S0255	.02210	8.2767	0.6	A
5003	26433.31	57 58N	60 6E	91.6	192.3	1.338	33.25	49.0	S0255	.02210	7.9238	0.8	A
5004	26442.31	57 20N	60 5E	97.4	192.1	1.338	37.80	49.6	S0255	.02210	7.4533	1.0	A
5005	26449.51	56 50N	60 0E	101.0	191.9	1.338	40.25	50.1	S0255	.02210	7.1809	0.6	A
5006	26499.71	53 41N	55 59E	78.0	190.9	2.037	-18.55	52.5	S0255	.03080	9.3435	0.6	A
9001	26298.31	67 7N	62 39E	83.1	196.8	1.135	-25.55	40.2	S0312	.03070	8.8474	0.8	V
9002	26301.31	67 7N	62 38E	84.0	196.8	1.135	-25.55	40.2	S0312	.02200	8.6576	0.8	A
9003	26406.91	59 48N	60 12E	79.3	192.9	1.484	16.80	47.2	S0312	.04070	9.1610	0.6	A
9004	26418.11	58 40N	59 40E	79.6	192.6	1.690	17.50	48.3	S0312	.04070	9.1362	0.8	F
9005	26420.91	58 40N	59 40E	78.9	192.6	1.690	17.85	48.3	S0312	.04070	9.3178	1.8	V
9006	26427.31	58 23N	60 6E	87.8	192.4	1.484	29.40	48.6	S0312	.03070	8.2779	0.6	A
9007	26474.31	55 4N	56 3E	84.5	191.4	1.484	-29.05	51.2	S0312	.03070	8.5585	0.6	F
9008	26478.11	55 0N	56 4E	82.6	191.3	1.690	-28.00	51.3	S0312	.03070	8.8969	0.4	V
9009	26481.11	55 0N	56 4E	83.3	191.3	1.690	-27.65	51.3	S0312	.03070	8.7401	0.4	A
9010	26484.71	54 46N	55 55E	84.4	191.2	1.690	-29.05	51.4	S0312	.03070	8.6246	0.6	A
9011	26499.71	53 41N	55 59E	77.9	190.9	2.037	-18.55	52.5	S0312	.04070	9.3426	0.6	A
9012	26503.51	53 25N	55 53E	77.9	190.9	2.037	-18.55	52.7	S0312	.04070	9.3426	0.6	A
9013	26518.51	52 0N	55 33E	76.4	190.6	2.037	-14.70	54.0	S0312	.04070	9.4911	0.8	F
9014	26521.31	51 60N	55 33E	75.4	190.6	2.037	-14.35	54.0	S0312	.04070	9.7387	0.8	V
9015	26690.91	40 6N	53 1E	79.7	188.5	2.390	17.85	64.0	S0312	.02200	9.1362	0.8	F
9016	26693.71	40 6N	53 1E	79.0	188.5	2.390	18.20	64.0	S0312	.02200	9.3013	0.8	V
9017	26697.31	40 3N	53 3E	80.8	188.5	2.181	19.95	64.1	S0312	.03070	8.9712	0.6	A
9018	26755.11	35 46N	51 27E	74.7	188.0	2.738	1.05	66.8	S0312	.02200	9.7387	0.6	F
9019	26757.71	35 46N	51 27E	73.9	188.0	2.738	1.40	66.8	S0312	.02200	9.9450	1.0	V
9020	26760.91	35 44N	51 27E	74.9	188.0	2.738	1.75	66.8	S0312	.02200	9.6809	0.6	A
9021	26792.31	33 29N	50 1E	84.3	187.8	2.530	-30.80	67.6	S0312	.03070	8.6906	1.0	V
9022	26881.51	27 5N	49 25E	76.9	187.3	2.881	-5.25	71.1	S0312	.03070	9.4334	0.8	F
9023	26888.11	26 58N	49 43E	78.6	187.3	2.881	8.40	71.4	S0312	.03070	9.2023	0.8	A
9024	27038.11	16 28N	47 36E	79.8	186.8	3.092	4.90	71.9	S0312	.03070	9.1858	0.6	V
9025	27041.11	16 27N	47 36E	80.9	186.8	3.092	5.25	72.0	S0312	.03070	8.9217	0.6	A
9026	27054.31	15 24N	46 55E	81.4	186.7	3.232	-15.75	71.2	S0312	.03070	8.9877	0.6	V
9027	27057.31	15 24N	46 54E	82.4	186.7	3.232	-15.40	71.2	S0312	.03070	8.7814	0.6	A
9028	27063.31	14 35N	46 50E	81.7	186.7	3.232	-13.30	71.0	S0312	.03070	8.8556	0.8	F
9029	27066.11	14 35N	46 50E	80.8	186.7	3.232	-12.95	71.0	S0312	.03070	9.0620	1.0	V
9030	27242.91	2 8N	45 17E	90.6	186.5	3.092	12.60	64.8	S0312	.03070	7.9891	0.8	F
9031	27246.11	2 8N	45 17E	89.9	186.5	3.092	12.95	64.8	S0312	.03070	8.1129	0.8	V
9032	27492.31	14 31S	40 40E	121.8	186.7	3.092	-39.20	50.2	S0312	.03070	5.9506	0.6	V
400 5001	31637.91	64 37N	39 50E	76.4	195.3	1.338	-7.70	42.6	S0255	.04000	9.4838	0.8	F
5002	31643.31	64 37N	39 50E	76.4	195.1	1.338	-7.35	42.6	S0255	.04000	9.5085	1.0	A
5003	31664.51	62 55N	41 46E	105.9	194.4	0.995	42.70	44.4	S0255	.01660	6.8508	1.0	A
5004	31751.31	56 47N	37 8E	86.2	192.0	1.690	27.65	50.1	S0255	.02210	8.4520	1.0	F
5005	31754.31	56 47N	37 8E	85.5	191.9	1.690	28.00	50.1	S0255	.02210	8.6006	0.6	V
5006	31768.11	55 31N	37 20E	101.9	191.6	1.690	40.60	51.3	S0255	.02210	7.1479	0.6	F
5007	31775.51	55 30N	37 20E	102.9	191.5	1.484	41.30	51.3	S0255	.02210	7.0571	0.6	A
5008	31863.51	49 33N	34 52E	103.7	190.0	1.484	42.00	56.7	S0255	.02210	7.0076	0.4	A
9001	31637.11	64 39N	39 51E	76.5	195.4	1.338	-7.70	42.6	S0312	.05390	9.4829	1.8	F
9002	31642.71	64 39N	39 51E	76.4	195.2	1.338	-7.35	42.6	S0312	.05390	9.5076	1.8	A
9003	31655.91	63 2N	41 31E	99.2	194.7	1.484	38.15	44.3	S0312	.02200	7.3618	1.6	F
9004	31713.91	59 21N	37 59E	80.4	192.9	1.690	18.90	47.7	S0312	.04070	9.0455	0.6	F
9005	31719.31	59 10N	38 3E	81.5	192.8	1.690	22.40	47.8	S0312	.04070	9.0124	0.8	V
9006	31722.31	59 10N	38 3E	82.6	192.7	1.484	22.75	47.8	S0312	.04070	8.7814	0.8	A
9007	31738.51	57 46N	36 40E	76.0	192.3	1.826	7.70	49.0	S0312	.04070	9.5654	1.0	F
9008	31744.11	57 45N	36 40E	76.1	192.2	1.690	8.40	49.1	S0312	.04070	9.5241	0.8	A
9009	31751.11	56 47N	37 8E	86.2	192.0	1.690	27.65	50.1	S0312	.03070	8.4512	0.8	F
9010	31754.31	56 46N	37 8E	85.5	191.9	1.690	28.00	50.1	S0312	.03070	8.5998	1.0	V
9011	31757.91	56 45N	37 8E	87.0	191.9	1.484	28.70	50.1	S0312	.03070	8.3440	0.6	A
9012	31765.91	55 39N	37 24E	102.0	191.7	1.690	40.60	51.2	S0312	.02200	7.1473	3.8	F
9013	31773.11	55 40N	37 24E	102.8	191.5	1.484	41.30	51.2	S0312	.02200	7.0565	3.8	A
9014	31785.51	54 33N	35 36E	78.7	191.3	1.826	16.45	52.0	S0312	.04070	9.2600	1.4	F
9015	31790.91	54 24N	35 17E	75.5	191.2	1.826	10.50	52.1	S0312	.04070	9.7387	0.6	V
9016	31792.11	54 19N	35 15E	75.5	191.2	1.826	10.50	52.2	S0312	.04070	9.7387	0.6	V
9017	31795.71	54 4N	35 11E	75.8	191.1	1.826	11.55	52.4	S0312	.04070	9.6974	1.2	V
9018	31799.31	54 0N	35 10E	76.8	191.0	1.826	11.90	52.4	S0312	.04070	9.4499	0.4	A
9019	31804.91	53 19N	34 24E	74.5	190.9	2.037	-1.75	53.0	S0312	.04070	9.7470	1.4	F
9020	31810.11	53 19N	34 25E	74.6	190.9	2.037	-1.05	53.0	S0312	.04070	9.7305	1.4	A
9021	31828.11	51 45N	33 44E	74.5	190.6	2.037	-4.20	54.3	S0312	.04070	9.7470	0.4	F
9022	31830.71	51 45N	33 43E	73.6	190.5	2.037	-4.20	54.3	S0312	.04070	9.9780	0.4	V
9023	31834.51	51 42N	33 32E	75.0	190.5	2.037	-8.75	54.3	S0312	.04070	9.6892	1.6	A
9024	31846.11	50 34N	34 29E	84.5	190.3	1.826	27.30	55.6	S0312	.03070	8.7071	0.4	V
9025	31849.31	50 33N	34 29E	85.8	190.2	1.826	27.65	55.6	S0312	.03070	8.4430	0.4	A
9026	31855.11	49 42N	34 29E	91.8	190.1	1.826	33.60	56.4	S0312	.03070	7.9561	0.6	F
9027	31858.31	49 42N	34 29E	91.2	190.1	1.826	33.95	56.4	S0312	.03070	8.0716	0.6	V
9028	31875.71	48 23N	33 29E	81.2	189.9	2.037	21.35	57.4	S0312	.03070	8.9712	0.4	F
9029	31878.51	48 23N	33 29E	80.5	189.8	2.037	21.70	57.4	S0312	.03070	9.1280	0.4	V
9030	31885.11	47 55N	33 33E	84.5	189.7	1.826	27.30	57.9	S0312	.03070	8.7153	0.8	V
9031	31888.11	47 55N	33 33E	85.8	189.7	1.826	27.65	57.9	S0312	.03070	8.4430	0.8	A
9032	31897.91	47 0N	32 0E	75.0	189.6	2.181	-9.45	58.3	S0312	.04070	9.6727	1.0	F

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
400 9033	31903.31	47 0N	31 60E	75.0	189.5	2.390	-9.10	58.3	SO312	.04070	9.6809	1.0	A
9034	31905.51	46 51N	31 57E	75.0	189.5	2.390	-9.10	58.4	SO312	.04070	9.6809	0.4	A
9035	31917.11	45 32N	32 42E	83.8	189.3	2.181	24.85	59.8	SO312	.04070	8.7071	0.6	F
9036	31920.11	45 32N	32 43E	83.1	189.3	2.181	25.20	59.8	SO312	.04070	8.8556	0.4	V
9037	31922.11	45 24N	32 40E	83.1	189.3	2.181	25.20	60.0	SO312	.03070	8.8474	0.4	V
9038	31925.11	45 24N	32 41E	84.7	189.2	2.181	25.90	60.0	SO312	.03070	8.5503	0.4	A
9039	31989.71	40 45N	29 49E	80.5	188.6	2.390	-24.15	63.8	SO312	.04070	9.0042	0.8	F
9040	31992.51	40 45N	29 49E	79.4	188.6	2.390	-23.80	63.8	SO312	.04070	9.2518	0.6	V
401 5001	37122.71	52 12N	13 48E	102.9	190.7	1.690	41.30	54.3	SO255	.02210	7.0901	0.8	F
9001	37091.11	54 31N	13 39E	80.8	191.3	1.826	20.30	52.1	SO312	.04070	9.0207	0.6	F
9002	37093.91	54 32N	13 39E	80.1	191.3	1.826	20.65	52.1	SO312	.04070	9.1858	0.6	V
9003	37101.11	53 56N	14 13E	94.6	191.1	1.484	36.75	52.7	SO312	.03070	7.7828	0.4	V
9004	37104.71	53 56N	14 12E	95.7	191.1	1.484	36.75	52.7	SO312	.03070	7.5764	0.4	A
9005	37111.51	53 4N	13 33E	89.2	190.9	1.690	31.15	53.5	SO312	.03070	8.1706	1.0	F
9006	37114.51	53 4N	13 34E	88.5	190.9	1.690	31.50	53.5	SO312	.03070	8.3027	1.2	V
9007	37129.91	52 3N	12 60E	85.5	190.6	1.826	28.35	54.3	SO312	.03070	8.6081	1.2	V
9008	37133.31	52 2N	12 59E	86.9	190.6	1.826	28.70	54.4	SO312	.03070	8.3440	1.0	A
9009	37139.51	51 24N	12 44E	85.5	190.5	1.826	28.35	54.9	SO312	.03070	8.6163	0.4	V
9010	37142.51	50 59N	12 34E	85.6	190.4	2.037	27.30	55.3	SO312	.03070	8.5090	0.6	F
9011	37145.51	50 59N	12 33E	84.8	190.4	1.826	27.65	55.3	SO312	.03070	8.6823	0.6	V
9012	37148.71	50 46N	12 30E	85.3	190.3	1.826	28.35	55.4	SO312	.03070	8.6246	1.0	V
9013	37151.91	50 46N	12 29E	86.4	190.3	1.826	28.35	55.5	SO312	.03070	8.3935	1.0	A
9014	37158.31	50 6N	12 22E	87.5	190.2	1.826	30.80	56.1	SO312	.03070	8.4100	0.8	V
9015	37161.51	50 6N	12 23E	88.9	190.1	1.826	31.15	56.1	SO312	.03070	8.1459	1.0	A
9016	37182.31	48 24N	10 52E	75.1	189.8	2.181	6.65	57.3	SO312	.03070	9.6892	0.4	F
9017	37190.31	48 9N	11 38E	87.7	189.7	1.826	30.10	57.7	SO312	.03070	8.2532	0.8	A
9018	37228.31	45 31N	9 13E	76.0	189.3	2.181	-16.80	59.4	SO312	.03070	9.6562	0.6	V
9019	37231.11	45 31N	9 12E	76.9	189.2	2.390	-16.80	59.4	SO312	.03070	9.4499	0.6	A
9020	37353.91	36 54N	7 1E	76.5	188.1	2.530	-16.45	65.8	SO312	.03070	9.5902	0.6	V
9021	37356.71	36 54N	7 1E	77.4	188.1	2.738	-16.45	65.8	SO312	.03070	9.3838	0.6	A
9022	37362.91	36 8N	6 23E	85.6	188.1	2.530	-31.50	66.1	SO312	.03070	8.4347	0.6	F
9023	37365.91	36 8N	6 23E	84.4	188.0	2.530	-31.15	66.1	SO312	.03070	8.6823	0.8	V
9024	37374.11	35 34N	6 12E	85.7	188.0	2.390	-32.55	66.4	SO312	.03070	8.5585	0.6	V
9025	37377.31	35 34N	6 12E	86.5	188.0	2.390	-32.20	66.4	SO312	.03070	8.4100	0.6	A
9026	37385.51	34 49N	5 44E	94.2	187.9	2.181	-39.55	66.7	SO312	.01650	7.7993	0.6	V
9027	37389.11	34 48N	5 45E	94.7	187.9	2.390	-39.20	66.7	SO312	.01650	7.6837	0.6	A
9028	37406.11	33 8N	6 3E	79.5	187.8	2.738	-20.65	68.0	SO312	.03070	9.1032	0.6	F
9029	37408.91	33 8N	6 3E	78.5	187.8	2.738	-20.30	68.0	SO312	.03070	9.3426	0.6	V
9030	37426.71	31 57N	5 25E	86.5	187.7	2.530	-32.20	68.4	SO312	.01650	8.4595	0.8	V
9031	37429.71	31 58N	5 25E	87.4	187.6	2.738	-32.20	68.4	SO312	.01650	8.3109	1.0	A
9032	37693.71	13 33N	2 5E	87.6	186.7	3.092	-25.90	70.4	SO312	.03070	8.3522	0.8	V
9033	37697.11	13 32N	2 5E	88.3	186.7	3.092	-25.20	70.4	SO312	.03070	8.1954	0.6	A
9034	37800.71	6 8N	1 14E	84.5	186.5	3.439	-8.05	67.1	SO312	.03070	8.6411	0.6	V
9035	37803.91	6 8N	1 14E	85.6	186.5	3.439	-7.70	67.1	SO312	.03070	8.4182	0.4	A
403 9001	48576.31	5 27S	45 13W	94.0	186.5	3.439	-16.10	58.4	SO312	.03070	7.6425	1.4	F
9002	48590.71	6 44S	43 35W	129.0	186.5	2.181	41.30	58.5	SO312	.02200	5.5875	1.4	F
9003	48598.11	6 35S	44 6W	110.4	186.6	2.181	30.10	58.3	SO312	.02200	6.4458	0.8	A
9004	48614.11	7 30S	46 3W	105.1	186.6	3.439	-30.45	56.4	SO312	.02200	6.8502	1.4	A
9005	48673.71	12 2S	45 0W	112.8	186.6	2.390	29.75	53.7	SO312	.02200	6.4293	1.4	V
9006	48685.31	12 44S	45 56W	96.4	186.7	3.092	4.90	52.6	SO312	.03070	7.5187	1.4	V
9007	48694.51	13 0S	46 53W	104.5	186.7	3.587	-24.85	51.9	SO312	.03070	6.8667	1.0	A
9008	48707.51	14 6S	47 31W	115.6	186.7	3.232	-36.40	50.6	SO312	.02200	6.2725	1.4	V
9009	48726.51	15 51S	46 5W	105.4	186.8	2.881	17.15	50.1	SO312	.03070	6.8172	1.4	F
9010	48735.71	16 19S	45 20W	130.4	186.8	1.826	38.50	50.1	SO312	.02200	5.5379	1.2	V
9011	48739.51	16 54S	45 22W	134.0	186.8	2.037	39.20	49.6	SO312	.02200	5.3811	0.8	F
9012	48749.91	16 55S	46 13W	108.7	186.8	2.530	19.95	49.2	SO312	.03070	6.5283	1.4	A
9013	48769.31	18 35S	48 43W	132.3	186.9	2.881	-42.70	46.5	SO312	.02200	5.3894	1.0	F
9014	48783.11	18 59S	48 13W	113.4	186.9	3.439	-29.40	46.5	SO312	.03070	6.3055	0.6	A
9015	48796.31	20 33S	47 23W	102.9	186.9	3.092	3.85	45.6	SO312	.03070	6.9657	1.4	F
9016	48805.31	20 42S	46 39W	118.0	187.0	2.181	26.60	45.9	SO312	.02200	6.0084	1.4	A
9017	48814.11	21 57S	46 30W	128.4	187.0	2.181	33.95	44.9	SO312	.02200	5.6040	0.6	F
9018	48818.71	21 57S	46 30W	127.9	187.0	2.181	34.30	44.9	SO312	.02200	5.6535	0.6	V
9019	48823.51	22 31S	46 58W	118.7	187.0	2.390	25.90	44.2	SO312	.03070	6.0414	0.8	F
9020	48826.31	22 25S	46 59W	116.9	187.0	2.390	25.55	44.3	SO312	.03070	6.1734	0.8	V
9021	48834.51	23 23S	46 27W	140.8	187.1	1.826	39.55	43.7	SO312	.02200	5.1088	1.4	F
9022	48842.31	23 33S	46 43W	131.9	187.1	1.826	35.70	43.5	SO312	.02200	5.4802	0.4	V
9023	48847.31	23 33S	46 45W	133.7	187.1	1.690	35.70	43.5	SO312	.02200	5.2821	0.4	A
9024	48917.51	28 15S	48 41W	112.5	187.4	2.738	10.15	38.6	SO312	.03070	6.2890	1.0	A
9025	48924.91	28 41S	49 25W	110.3	187.4	3.092	-7.70	38.8	SO312	.03070	6.4293	1.4	A
404 9001	53639.71	10 60N	63 49W	83.9	186.6	3.232	7.35	70.1	SO312	.03070	8.6411	0.8	F
9002	53647.71	10 29N	64 11W	82.6	186.6	3.232	-3.50	69.6	SO312	.03070	8.7484	0.8	F
9003	53656.31	10 9N	64 40W	85.9	186.6	3.232	-20.30	69.0	SO312	.03070	8.5008	0.8	V
9004	53664.71	9 43N	64 11W	83.6	186.6	3.232	3.15	69.3	SO312	.03070	8.6081	0.6	A
9005	53673.71	9 3N	63 44W	93.7	186.6	2.530	24.15	69.5	SO312	.02200	7.6590	1.0	A
9006	53810.11	0 6S	66 58W	104.8	186.5	3.232	-35.00	62.1	SO312	.02200	6.8667	1.4	A
9007	53927.51	8 31S	67 22W	93.2	186.6	3.232	2.10	56.2	SO312	.03070	7.7910	1.4	V
9008	53948.31	9 56S	67 47W	93.8	186.6	3.232	-4.20	54.9	SO312	.03070	7.7415	1.6	V
9009	53961.51	10 60S	68 47W	108.0	186.6	3.232	-30.80	53.4	SO312	.02200	6.6191	1.0	F
9010	53984.11	12 32S	69 14W	113.8	186.7	3.092	-34.65	52.0	SO312	.02200	6.2725	1.6	F
9011	54002.51	13 49S	66 46W	138.3	186.7	1.690	43.40	52.4	SO312	.02200	5.2243	1.4	V
9012	54005.71	14 2S	66 48W	138.7	186.7	1.690	43.40	52.3	SO312	.02200	5.2161	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
404 9013	54023.11	15 11S	69 45W	114.4	186.7	3.092	-35.00	49.7	SO312	.02200	6.2559	0.6	F
9014	54035.31	16 12S	68 14W	106.3	186.8	2.881	17.85	49.8	SO312	.03070	6.7676	1.0	F
9015	54039.31	16 29S	68 12W	108.4	186.8	2.881	20.30	49.5	SO312	.03070	6.8356	0.4	F
9016	54043.11	16 29S	68 7W	109.5	186.8	2.530	23.10	49.6	SO312	.03070	6.6108	0.6	V
9017	54047.31	16 30S	68 7W	111.5	186.8	2.530	23.45	49.6	SO312	.02200	6.3715	0.6	A
9018	54062.51	17 53S	70 10W	114.7	186.8	3.092	-31.85	47.4	SO312	.01650	6.2812	0.6	F
9019	54068.51	18 0S	70 13W	114.4	186.8	3.232	-32.20	47.3	SO312	.01650	6.3220	0.6	V
9020	54071.51	18 30S	70 17W	115.7	186.9	3.232	-31.85	46.8	SO312	.02200	6.1652	0.4	F
9021	54074.71	18 26S	70 17W	114.6	186.9	3.232	-31.85	46.9	SO312	.03070	6.3055	1.4	V
9022	54086.71	19 34S	69 54W	103.8	186.9	3.232	-15.40	46.2	SO312	.02200	6.8832	1.4	F
9023	54094.31	20 7S	69 45W	102.6	186.9	3.232	-7.35	45.8	SO312	.03070	7.0152	0.6	F
9024	54098.11	20 7S	69 44W	101.0	186.9	3.232	-6.65	45.8	SO312	.03070	7.1555	0.4	V
9025	54103.91	20 12S	70 9W	106.5	186.9	3.439	-18.20	45.6	SO312	.03070	6.7016	0.6	A
9026	54108.11	20 29S	70 10W	106.3	187.0	3.439	-17.15	45.3	SO312	.02200	6.7099	1.2	A
9027	54146.51	23 24S	70 26W	104.4	187.1	3.092	-8.40	42.8	SO312	.02200	6.9162	1.2	V
9028	54150.51	23 24S	70 26W	105.8	187.1	3.092	-7.70	42.8	SO312	.02200	6.7264	1.2	A
9029	54154.51	23 41S	70 26W	105.8	187.1	3.092	-5.95	42.6	SO312	.03070	6.7181	0.6	A
9030	54225.71	28 33S	70 45W	113.7	187.4	2.530	12.95	38.4	SO312	.03070	6.2229	1.4	A
9031	54237.31	29 52S	71 11W	111.9	187.5	2.738	7.35	37.1	SO312	.02200	6.3797	1.4	F
9032	54245.71	29 54S	71 16W	112.2	187.5	2.738	6.30	37.0	SO312	.03070	6.3055	0.6	A
9033	54273.91	32 25S	71 16W	120.4	187.7	2.390	18.55	34.9	SO312	.03070	5.9258	1.0	F
9034	54279.31	32 45S	71 31W	117.7	187.7	2.390	14.35	34.5	SO312	.03070	6.0579	1.2	F
9035	54283.11	32 60S	71 37W	117.2	187.7	2.390	13.30	34.2	SO312	.04070	6.0826	1.0	F
9036	54287.31	32 60S	71 37W	116.4	187.7	2.390	13.65	34.2	SO312	.04070	6.1652	1.0	V
9037	54291.51	32 59S	71 33W	119.2	187.8	2.390	15.40	34.3	SO312	.03070	5.9176	0.6	A
9038	54300.51	33 36S	71 38W	120.5	187.8	2.390	16.45	33.7	SO312	.03070	5.8515	0.8	A
9039	54310.31	34 57S	71 15W	135.2	187.9	2.037	29.75	32.7	SO312	.03070	5.2738	0.8	F
9040	54317.71	35 24S	71 38W	128.4	187.9	2.181	24.15	32.2	SO312	.03070	5.5544	0.8	F
9041	54323.51	35 49S	71 36W	131.6	188.0	2.037	26.60	31.8	SO312	.03070	5.4141	0.6	F
9042	54331.31	35 57S	72 19W	118.1	188.0	2.390	12.25	31.4	SO312	.03070	6.0744	0.6	V
9043	54338.71	36 40S	73 5W	115.8	188.1	2.738	-2.45	30.5	SO312	.04070	6.1404	1.2	F
9044	54342.91	36 40S	73 5W	114.8	188.1	2.738	-2.10	30.5	SO312	.04070	6.2477	1.2	V
9045	54348.91	36 47S	73 1W	116.8	188.1	2.738	0.70	30.5	SO312	.03070	6.0414	0.8	A
9046	54353.91	37 41S	73 22W	116.7	188.2	2.738	-3.50	29.6	SO312	.03070	6.0909	1.4	F
9047	54362.71	37 46S	72 41W	122.4	188.2	2.181	14.00	29.8	SO312	.03070	5.7525	0.6	A
9048	54369.51	38 13S	72 39W	124.8	188.3	2.181	16.80	29.4	SO312	.03070	5.6452	0.8	A
9049	54376.51	38 40S	73 10W	120.0	188.4	2.390	7.70	28.8	SO312	.03070	5.8681	1.6	A
9050	54382.91	39 24S	73 11W	120.4	188.4	2.390	10.85	28.2	SO312	.03070	5.9506	0.8	V
9051	54388.31	40 2S	73 31W	120.1	188.5	2.530	6.65	27.5	SO312	.03070	5.9176	0.8	F
9052	54393.11	39 47S	73 13W	123.3	188.5	2.181	12.60	27.8	SO312	.03070	5.7112	0.6	A
9053	54400.51	40 17S	73 25W	122.8	188.6	2.181	10.85	27.3	SO312	.03070	5.7278	1.0	A
9054	54407.31	41 6S	73 3W	129.9	188.6	1.826	22.05	26.7	SO312	.03070	5.5132	0.8	V
9055	54412.11	41 26S	72 55W	134.2	188.7	1.826	25.55	26.5	SO312	.03070	5.3316	0.8	V
9056	54419.71	41 52S	73 47W	122.5	188.7	2.181	11.20	25.8	SO312	.04070	5.8433	1.0	V
9057	54425.11	41 56S	73 32W	128.2	188.8	2.181	16.80	25.9	SO312	.03070	5.4802	0.8	A
9058	54435.31	42 37S	73 47W	127.6	188.9	2.037	15.40	25.2	SO312	.03070	5.5049	0.6	A
405 9001	58768.31	22 56N	83 5W	92.1	187.1	2.530	29.40	72.9	SO312	.02200	7.9148	0.8	F
9002	58771.51	22 56N	83 5W	91.5	187.1	2.530	29.75	72.9	SO312	.02200	8.0138	0.8	V
9003	58782.31	22 7N	84 9W	78.1	187.0	3.092	-4.20	72.2	SO312	.04070	9.2765	0.6	F
9004	58788.91	22 3N	84 16W	78.6	187.0	3.092	-7.35	72.1	SO312	.03070	9.2023	0.4	A
9005	58916.71	13 7N	86 22W	86.5	186.7	3.092	-24.85	70.2	SO312	.03070	8.4512	0.4	V
9006	58919.91	13 7N	86 21W	87.3	186.7	3.092	-24.15	70.2	SO312	.03070	8.2944	0.4	A
9007	58926.91	12 10N	86 10W	82.7	186.7	3.232	-11.20	70.2	SO312	.03070	8.7314	0.8	F
9008	58930.91	12 6N	86 14W	82.3	186.6	3.232	-12.95	70.1	SO312	.03070	8.8721	0.4	V
9009	58933.91	12 6N	86 14W	83.4	186.6	3.439	-12.95	70.1	SO312	.03070	8.6658	0.4	A
9010	59125.91	0 53S	89 33W	117.5	186.5	3.092	-43.05	61.3	SO312	.03070	6.1404	0.6	A
406 5001	63895.11	35 12N	103 36W	74.7	188.0	2.738	-7.35	67.1	SO255	.01660	9.7149	0.6	F
5002	63900.31	35 13N	103 36W	74.8	187.9	2.738	-6.65	67.1	SO255	.01660	9.7066	0.8	A
9001	63894.91	35 13N	103 36W	74.7	188.0	2.738	-7.35	67.1	SO312	.02200	9.7140	0.8	F
9002	63900.31	35 12N	103 36W	74.8	187.9	2.738	-6.65	67.1	SO312	.02200	9.7057	0.6	A
9003	64001.71	28 4N	105 18W	76.3	187.4	2.881	-12.95	70.6	SO312	.03070	9.6149	0.4	V
9004	64004.51	28 4N	105 18W	77.2	187.4	2.881	-12.60	70.6	SO312	.03070	9.4003	0.4	A
9005	64069.11	23 15N	106 24W	81.0	187.1	2.881	-18.90	71.7	SO312	.03070	8.9217	1.4	F
9006	64075.11	23 14N	106 24W	80.9	187.1	3.092	-18.20	71.8	SO312	.03070	8.9712	0.4	A
409 9001	80885.90	37 8S	175 33E	123.0	188.2	2.881	-17.85	29.8	SO312	.02200	5.7525	0.6	A
9002	80902.90	38 16S	175 9E	125.4	188.3	2.881	-19.95	28.7	SO312	.02200	5.6370	1.4	A
410 9001	84698.70	64 48N	177 53E	82.3	195.3	1.135	-24.85	42.5	SO312	.04070	8.9382	0.6	V
9002	84701.70	64 48N	177 54E	82.8	195.2	1.338	-24.50	42.6	SO312	.04070	8.7731	0.6	A
9003	84734.50	62 33N	176 57E	78.7	194.0	1.484	-17.15	44.7	SO312	.02200	9.2270	0.8	A
411 9001	3517.10	70 39N	162 24E	76.4	199.9	0.995	-0.70	37.0	SO312	.03070	9.5984	0.4	V
9002	3519.90	70 40N	162 24E	77.3	199.7	0.995	-0.70	37.0	SO312	.03070	9.3838	0.4	A
9003	3547.50	68 45N	161 25E	80.2	198.1	1.135	15.05	38.9	SO312	.04070	9.0537	0.4	A
9004	3847.30	44 58N	147 38E	82.0	189.2	2.037	-26.95	59.9	SO312	.02200	8.8226	1.0	F
9005	3900.30	44 57N	147 38E	80.9	189.2	2.037	-26.60	59.9	SO312	.02200	9.0785	1.0	V
412 9001	9104.10	51 55N	128 11E	75.6	190.6	2.037	-12.60	54.3	SO312	.04070	9.5902	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
412 9002	9105.30	51 50N	128 9E	75.6	190.6	2.037	-12.60	54.4	S0312	.04070	9.5902	1.0	F
9003	9108.30	51 48N	128 9E	74.7	190.5	2.037	-12.25	54.4	S0312	.04070	9.8377	1.0	V
9004	9116.10	51 12N	128 35E	74.3	190.4	2.037	6.30	55.1	S0312	.03070	9.6955	0.6	V
9005	9118.90	51 12N	128 35E	75.2	190.4	2.037	8.65	55.1	S0312	.03070	9.6479	0.6	A
9006	9198.10	45 37N	126 40E	73.7	189.3	2.390	2.80	59.7	S0312	.03070	9.9698	0.6	V
9007	9200.90	45 37N	126 40E	74.6	189.3	2.390	3.15	59.7	S0312	.03070	9.7222	0.6	A
9008	9810.50	3 20N	117 36E	86.7	186.5	3.439	-6.30	65.2	S0312	.03070	8.3274	1.4	F
9009	9816.70	3 20N	117 36E	86.9	186.5	3.439	-5.25	65.2	S0312	.03070	8.2779	1.4	A
413 9001	14410.10	51 52N	107 39E	86.9	190.6	1.826	29.05	54.7	S0312	.03070	8.3687	1.2	F
9002	14413.70	51 50N	107 38E	86.2	190.6	1.826	29.40	54.7	S0312	.03070	8.5090	0.6	V
9003	14416.90	51 50N	107 41E	88.2	190.5	1.826	30.45	54.7	S0312	.03070	8.2284	0.6	A
9004	14425.30	51 21N	106 27E	74.7	190.4	2.037	4.55	54.9	S0312	.04070	9.7140	0.6	A
9005	14429.50	50 43N	106 6E	74.1	190.3	2.037	0.00	55.4	S0312	.03070	9.8047	0.4	F
9006	14435.70	50 25N	106 25E	75.5	190.2	2.037	12.25	55.8	S0312	.04070	9.7305	0.4	V
9007	14438.50	50 25N	106 24E	76.4	190.2	2.037	12.25	55.8	S0312	.03070	9.4911	0.4	A
9008	14470.10	47 58N	106 26E	89.8	189.7	1.826	33.60	58.1	S0312	.02200	8.2037	0.6	V
9009	14473.30	47 59N	106 26E	91.3	189.7	1.826	33.95	58.1	S0312	.02200	7.9396	0.6	A
9010	14535.30	43 36N	104 26E	77.8	189.0	2.181	18.20	61.5	S0312	.02200	9.4581	0.6	V
9011	14613.70	38 31N	102 12E	75.1	188.3	2.738	-12.25	65.0	S0312	.03070	9.6727	0.6	A
9012	14621.50	37 55N	102 38E	75.6	188.2	2.530	8.75	65.7	S0312	.03070	9.5902	0.4	A
9013	14636.30	36 51N	101 6E	86.0	188.1	2.390	-34.65	65.7	S0312	.03070	8.5338	0.6	V
9014	14827.30	23 27N	98 46E	81.3	187.1	2.881	-21.00	71.7	S0312	.03070	8.8804	0.8	F
9015	14836.90	23 13N	98 36E	83.6	187.1	3.092	-24.50	71.7	S0312	.03070	8.6741	1.0	A
9016	14897.90	18 54N	98 49E	83.6	186.9	2.738	16.80	72.7	S0312	.03070	8.6163	0.6	A
414 5001	19651.90	56 39N	84 53E	86.9	191.9	1.484	-31.85	50.8	S0255	.02210	8.3035	0.8	F
5002	19656.90	56 43N	84 56E	86.2	191.8	1.690	-31.15	49.9	S0255	.02210	8.4520	0.6	A
5003	19742.90	50 23N	83 30E	74.8	190.2	2.037	-10.50	55.7	S0255	.03080	9.7066	0.8	F
5004	19751.30	50 3N	82 46E	81.1	190.1	1.826	-26.95	55.8	S0255	.02210	9.0628	0.6	V
5005	19755.10	50 1N	82 38E	84.1	190.1	2.037	-29.75	55.8	S0255	.02210	8.6584	0.8	A
9001	19651.70	56 39N	84 53E	87.0	191.9	1.484	-31.85	50.0	S0312	.03070	8.3027	1.0	F
9002	19657.90	56 39N	84 54E	86.2	191.7	1.690	-31.15	50.0	S0312	.03070	8.4430	1.0	A
9003	19693.50	53 48N	83 58E	83.8	191.0	1.690	-28.70	52.5	S0312	.03070	8.6328	0.6	F
9004	19696.90	53 34N	83 50E	84.6	191.0	1.690	-29.75	52.7	S0312	.03070	8.5503	0.4	F
9005	19709.70	52 32N	85 5E	76.7	190.8	2.037	11.90	54.0	S0312	.04070	9.4746	1.4	F
9006	19715.30	52 32N	85 5E	77.0	190.7	2.037	12.60	54.0	S0312	.04070	9.4168	1.2	A
9007	19724.50	51 59N	84 9E	74.6	190.5	2.037	-7.35	54.3	S0312	.03070	9.7305	0.6	A
9008	19742.90	50 22N	83 30E	74.8	190.2	2.037	-10.50	55.7	S0312	.04070	9.7057	0.6	F
9009	19751.30	50 3N	82 46E	81.2	190.1	1.826	-26.95	55.8	S0312	.03070	9.0620	0.6	V
9010	19755.10	50 0N	82 38E	84.1	190.1	2.037	-29.75	55.8	S0312	.03070	8.6576	0.6	A
9011	19842.70	44 0N	80 54E	83.5	189.0	2.181	-29.40	60.7	S0312	.03070	8.6988	0.6	A
9012	20061.10	28 35N	77 6E	94.2	187.4	2.390	-37.80	69.9	S0312	.02200	7.6590	0.6	F
9013	20064.50	28 35N	77 6E	92.8	187.4	2.390	-37.45	69.9	S0312	.02200	7.8983	1.6	V
9014	20068.70	28 32N	77 5E	93.6	187.4	2.738	-37.45	70.0	S0312	.02200	7.7662	0.8	A
415 5001	25022.90	52 26N	64 4E	96.8	190.7	1.484	37.80	54.3	S0255	.02210	7.4946	0.6	A
5002	25126.90	45 10N	59 20E	80.3	189.2	2.181	-24.15	59.8	S0255	.02210	9.0050	1.0	F
5003	25133.30	45 8N	59 18E	80.2	189.2	2.181	-23.80	59.9	S0255	.02210	9.0711	0.8	A
9001	24999.30	54 9N	61 33E	90.6	191.1	1.484	-36.75	52.2	S0312	.02200	8.1211	0.8	V
9002	25002.70	54 8N	61 33E	91.0	191.0	1.690	-36.40	52.2	S0312	.02200	7.9891	0.8	A
9003	25127.50	45 8N	59 19E	80.3	189.2	2.181	-24.15	59.9	S0312	.03070	9.0042	0.8	F
9004	25130.30	45 8N	59 19E	79.2	189.2	2.181	-23.80	59.9	S0312	.03070	9.2600	0.8	V
9005	25167.30	42 20N	59 13E	74.5	188.8	2.530	-3.85	62.3	S0312	.03070	9.7470	1.2	F
9006	25172.70	42 20N	59 13E	74.5	188.8	2.530	-2.80	62.3	S0312	.03070	9.7387	1.0	A
9007	25231.10	38 26N	57 27E	83.4	188.3	2.530	-28.35	64.8	S0312	.03070	8.7153	0.4	A
9008	25241.50	37 30N	57 20E	80.1	188.2	2.530	-25.55	65.5	S0312	.03070	9.1527	0.6	V
9009	25244.50	37 30N	57 20E	80.9	188.2	2.530	-25.20	65.5	S0312	.03070	8.9794	0.6	A
9010	25347.90	29 58N	55 57E	78.7	187.5	2.881	-17.15	69.9	S0312	.03070	9.1940	0.6	F
9011	25350.70	29 58N	55 56E	77.7	187.5	2.881	-16.80	69.9	S0312	.03070	9.4334	0.6	V
9012	25427.90	24 29N	54 21E	90.6	187.2	2.530	-33.25	71.2	S0312	.02200	7.9478	0.6	F
9013	25431.10	24 29N	54 21E	89.5	187.1	2.738	-33.25	71.2	S0312	.03070	8.1871	0.6	V
9014	25538.30	16 59N	53 59E	80.5	186.8	3.092	6.30	72.1	S0312	.03070	9.0950	0.6	V
9015	25541.30	16 59N	53 59E	81.6	186.8	3.092	6.65	72.1	S0312	.03070	8.8391	0.6	A
416 5001	30266.10	57 2N	40 56E	84.7	191.9	1.690	-29.40	49.7	S0255	.03080	8.6089	0.6	A
5002	30275.90	55 58N	40 20E	87.7	191.7	1.484	-32.90	50.6	S0255	.02210	8.2292	0.8	F
5003	30278.90	55 58N	40 20E	86.7	191.6	1.484	-32.90	50.6	S0255	.02210	8.4520	1.0	V
5004	30377.30	49 1N	38 26E	79.1	189.9	2.037	-22.05	56.7	S0255	.02210	9.1619	0.6	F
5005	30380.90	48 57N	38 27E	77.6	189.9	2.037	-20.65	56.8	S0255	.02210	9.4673	0.6	V
5006	30390.10	48 25N	39 9E	75.0	189.8	2.181	5.25	57.5	S0255	.03080	9.6901	0.6	A
5007	30652.10	30 26N	34 55E	83.0	187.5	2.530	20.65	70.4	S0255	.02210	8.7327	0.4	A
9001	30012.70	73 21N	54 52E	78.1	203.3	0.787	-7.35	34.4	S0312	.05390	9.2683	0.8	F
9002	30015.50	73 21N	54 51E	77.2	203.1	0.787	-7.35	34.4	S0312	.05390	9.4994	0.8	V
9003	30050.30	70 52N	53 46E	82.6	200.3	0.995	21.35	36.9	S0312	.03070	8.8887	0.8	V
9004	30053.30	70 52N	53 46E	83.5	200.1	0.995	21.35	36.9	S0312	.03070	8.6823	0.8	A
9005	30242.30	58 13N	41 39E	82.1	192.4	1.484	-25.55	48.7	S0312	.04070	8.8061	1.8	F
9006	30247.70	57 52N	41 15E	85.8	192.3	1.484	-30.45	49.0	S0312	.03070	8.4265	0.4	F
9007	30250.70	57 52N	41 15E	84.5	192.2	1.484	-30.10	49.0	S0312	.03070	8.6823	0.6	V
9008	30252.50	57 45N	41 12E	84.5	192.2	1.484	-30.10	49.1	S0312	.03070	8.6823	0.4	V
9009	30253.50	57 41N	41 10E	84.5	192.1	1.484	-30.10	49.1	S0312	.03070	8.6823	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
416 9010	30256.70	57 40N	41 10E	85.3	192.1	1.690	-30.10	49.1	SO312	.03070	8.5338	0.4	A
9011	30261.70	56 55N	40 50E	86.0	192.0	1.484	-30.80	49.8	SO312	.03070	8.4017	0.4	F
9012	30265.90	57 2N	40 56E	84.6	191.9	1.690	-29.40	49.7	SO312	.03070	8.6081	0.6	A
9013	30269.10	56 50N	40 50E	84.9	191.8	1.690	-29.75	49.9	SO312	.03070	8.5668	0.4	A
9014	30275.90	55 57N	40 20E	87.8	191.7	1.484	-32.90	50.6	SO312	.03070	8.2284	0.8	F
9015	30278.90	55 58N	40 20E	86.7	191.6	1.484	-32.90	50.6	SO312	.03070	8.4512	0.8	V
9016	30326.90	52 40N	39 27E	80.7	190.7	1.826	-25.90	53.6	SO312	.03070	9.0950	0.8	V
9017	30329.90	52 39N	39 28E	81.4	190.7	1.826	-25.55	53.6	SO312	.03070	8.9299	0.8	A
9018	30338.50	51 40N	39 16E	79.5	190.5	1.826	-22.40	54.5	SO312	.03070	9.0950	0.8	F
9019	30341.30	51 40N	39 16E	78.4	190.5	1.826	-22.05	54.5	SO312	.03070	9.3508	0.8	V
9020	30377.30	49 1N	38 25E	79.2	189.9	2.037	-22.05	56.7	SO312	.03070	9.1610	0.6	F
9021	30380.70	48 58N	38 27E	77.6	189.9	2.037	-20.65	56.8	SO312	.03070	9.4664	0.6	V
9022	30390.10	48 25N	39 9E	75.0	189.8	2.181	5.25	57.5	SO312	.03070	9.6892	0.6	A
9023	30393.90	48 10N	38 58E	74.4	189.7	2.181	2.45	57.7	SO312	.03070	9.7470	0.4	A
9024	30402.10	47 18N	39 45E	87.9	189.6	1.826	31.15	58.7	SO312	.03070	8.3605	1.2	V
9025	30405.50	47 17N	39 44E	89.0	189.6	1.826	31.15	58.7	SO312	.03070	8.1376	1.0	A
9026	30419.30	46 5N	38 14E	74.4	189.4	2.390	-1.05	59.4	SO312	.03070	9.7635	0.6	F
9027	30421.90	46 5N	38 14E	73.6	189.4	2.390	-0.70	59.4	SO312	.03070	9.9863	0.6	V
9028	30431.30	45 6N	38 58E	86.7	189.3	2.181	28.35	60.5	SO312	.03070	8.4182	0.8	F
9029	30434.30	45 7N	38 57E	85.7	189.2	2.181	28.35	60.5	SO312	.03070	8.5833	0.8	V
9030	30438.30	45 3N	39 1E	89.1	189.2	1.826	31.15	60.6	SO312	.03070	8.1294	0.6	A
9031	30446.10	44 35N	37 59E	75.2	189.1	2.390	5.60	60.6	SO312	.04070	9.6397	0.4	A
9032	30552.10	37 1N	35 20E	78.2	188.2	2.530	-18.90	65.9	SO312	.03070	9.2600	0.6	F
9033	30554.90	37 1N	35 20E	77.2	188.1	2.530	-18.55	65.9	SO312	.03070	9.4994	0.6	V
9034	30573.90	35 37N	35 47E	76.2	188.0	2.530	9.80	67.2	SO312	.04070	9.6479	0.6	V
9035	30576.70	35 38N	35 47E	77.2	188.0	2.530	10.15	67.2	SO312	.04070	9.3756	0.6	A
9036	30578.10	35 32N	35 46E	77.3	188.0	2.530	10.15	67.3	SO312	.04070	9.3756	0.6	A
9037	30583.70	34 55N	35 53E	80.0	187.9	2.530	18.55	67.8	SO312	.04070	9.1858	0.8	V
9038	30586.70	34 55N	35 53E	81.2	187.9	2.530	18.90	67.8	SO312	.04070	8.9134	0.8	A
9039	30600.10	33 45N	36 0E	88.5	187.8	2.181	30.80	68.8	SO312	.03070	8.3109	0.4	V
9040	30603.30	33 45N	36 0E	90.0	187.8	2.181	31.15	68.8	SO312	.02200	8.0386	0.4	A
9041	30611.90	32 51N	34 60E	76.1	187.8	2.738	3.50	68.8	SO312	.04070	9.5489	0.6	F
9042	30614.50	32 51N	34 60E	75.3	187.7	2.738	3.85	68.8	SO312	.04070	9.7387	1.4	V
9043	30618.10	32 48N	34 58E	76.3	187.7	2.738	3.85	68.8	SO312	.03070	9.4911	0.6	A
9044	30623.10	32 5N	34 45E	75.9	187.7	2.738	0.35	69.2	SO312	.03070	9.5654	1.0	F
9045	30625.30	31 56N	34 43E	76.0	187.7	2.738	0.35	69.3	SO312	.02200	9.5654	0.8	F
9046	30628.10	31 56N	34 42E	75.2	187.7	2.738	0.70	69.3	SO312	.02200	9.7635	0.8	V
9047	30636.30	31 21N	34 42E	75.8	187.6	2.738	5.25	69.6	SO312	.03070	9.6809	0.4	V
9048	30639.10	31 21N	34 42E	76.8	187.6	2.738	5.60	69.6	SO312	.03070	9.4251	0.4	A
9049	30657.30	29 37N	34 58E	87.9	187.5	2.530	26.95	70.9	SO312	.03070	8.2944	1.6	F
9050	30660.90	29 35N	34 57E	87.3	187.5	2.530	27.30	70.9	SO312	.03070	8.4100	1.2	V
9051	30682.10	28 15N	33 37E	76.7	187.4	2.881	-11.20	70.7	SO312	.04070	9.5654	0.6	V
9052	30684.90	28 15N	33 37E	77.6	187.4	3.092	-11.20	70.7	SO312	.04070	9.3426	0.6	A
9053	30693.70	27 13N	33 49E	77.5	187.3	2.881	4.20	71.4	SO312	.01650	9.3756	0.8	F
9054	30696.50	27 13N	33 49E	76.7	187.3	2.881	4.55	71.4	SO312	.02200	9.5654	0.8	V
9055	30734.50	24 26N	32 58E	77.9	187.2	3.092	-7.70	71.9	SO312	.01650	9.3096	0.8	F
9056	30740.10	24 26N	32 57E	78.0	187.1	3.092	-7.00	71.9	SO312	.01650	9.2848	0.8	A
9057	30749.70	23 53N	32 11E	88.7	187.1	2.881	-31.15	71.4	SO312	.02200	8.1954	0.4	A
417 5001	35378.30	69 26N	30 16E	84.8	198.9	1.135	25.20	38.4	SO255	.03080	8.6419	0.4	V
5002	35609.90	53 52N	20 57E	106.9	191.1	1.338	44.45	53.1	SO255	.02210	6.8838	0.6	V
5003	35613.90	53 52N	20 56E	107.8	191.0	1.135	44.45	53.1	SO255	.02210	6.7352	0.6	A
5004	35651.70	51 33N	17 18E	77.2	190.4	2.181	-17.50	54.6	SO255	.03080	9.4260	0.6	A
9001	35375.30	69 25N	30 14E	85.6	199.1	1.135	24.85	38.4	SO312	.04070	8.4760	0.4	F
9002	35595.70	54 58N	20 17E	82.8	191.4	1.826	24.85	52.0	SO312	.03070	8.8887	0.4	V
9003	35598.70	54 58N	20 17E	84.0	191.3	1.826	25.20	52.0	SO312	.03070	8.6328	0.4	A
9004	35602.90	54 30N	19 59E	81.3	191.2	1.826	22.75	52.4	SO312	.03070	9.0537	0.4	V
9005	35624.30	53 7N	18 49E	74.8	190.9	2.037	8.05	53.5	SO312	.04070	9.8295	0.4	V
9006	35626.90	53 7N	18 49E	75.8	190.8	2.037	8.40	53.5	SO312	.04070	9.5737	0.6	A
9007	35643.50	51 43N	17 27E	76.5	190.5	2.037	-15.75	54.5	SO312	.04070	9.4746	0.6	F
9008	35646.30	51 42N	17 27E	75.6	190.5	2.037	-15.40	54.5	SO312	.04070	9.7222	0.6	V
9009	35651.70	51 32N	17 18E	77.2	190.4	2.181	-17.50	54.7	SO312	.03070	9.4251	0.4	A
9010	35722.10	46 12N	16 51E	80.1	189.4	2.181	19.60	59.5	SO312	.03070	9.0950	0.6	F
9011	35724.90	46 13N	16 51E	79.4	189.4	2.181	19.95	59.5	SO312	.03070	9.2800	0.8	V
9012	35728.70	45 56N	16 51E	80.7	189.4	2.181	22.05	59.7	SO312	.03070	9.1115	0.8	V
9013	35731.70	45 56N	16 51E	82.0	189.3	2.181	22.40	59.7	SO312	.03070	8.8391	0.8	A
9014	35743.50	44 49N	15 53E	74.5	189.2	2.390	2.45	60.4	SO312	.03070	9.7635	0.8	F
9015	35746.30	44 49N	15 52E	73.7	189.2	2.390	2.80	60.4	SO312	.03070	9.9698	0.6	V
9016	35753.50	44 4N	16 13E	80.4	189.1	2.390	19.95	61.2	SO312	.03070	9.0620	0.8	F
9017	35756.50	44 3N	16 13E	79.6	189.1	2.181	20.30	61.3	SO312	.03070	9.2435	0.6	V
9018	35761.30	43 45N	15 52E	76.3	189.0	2.390	12.60	61.4	SO312	.04070	9.6314	0.6	V
9019	35764.10	43 45N	15 52E	77.3	189.0	2.390	12.95	61.4	SO312	.04070	9.3673	0.6	A
418 9001	41291.30	28 28N	11 5W	85.5	187.4	2.738	-30.10	70.2	SO312	.03070	8.5750	0.8	V
9002	41294.50	28 27N	11 5W	86.3	187.4	2.738	-29.75	70.3	SO312	.03070	8.4182	0.6	A
419 9001	47060.10	3 44S	38 32W	91.7	186.5	3.439	-11.20	59.7	SO312	.03070	7.8405	1.4	F
9002	47063.70	3 45S	38 32W	90.5	186.5	3.439	-10.85	59.7	SO312	.03070	8.0386	0.4	V
9003	47067.10	3 45S	38 34W	92.1	186.5	3.439	-11.20	59.7	SO312	.03070	7.7910	0.6	A
9004	47125.90	8 31S	37 41W	129.2	186.6	2.181	40.60	56.8	SO312	.02200	5.6040	0.8	F
9005	47194.10	12 52S	38 19W	135.5	186.7	1.690	42.35	53.1	SO312	.02200	5.3316	1.4	V
9006	47268.90	17 36S	39 15W	137.0	186.8	1.690	39.90	48.8	SO312	.02200	5.1583	1.4	A
9007	47284.70	18 40S	39 50W	123.8	186.9	2.037	31.85	47.6	SO312	.02200	5.7112	1.4	A
9008	47307.50	20 13S	40 16W	119.6	186.9	2.181	27.65	46.1	SO312	.02200	5.9176	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
419	9009	47337.50	22 35S	43 17W	135.7	187.0	2.881	-41.65	42.7	S0312	.02200	5.2326	0.6	F
	9010	47341.10	22 50S	43 24W	138.1	187.0	2.881	-42.70	42.4	S0312	.02200	5.1335	1.0	F
	9011	47346.10	22 51S	43 13W	129.8	187.1	3.092	-39.20	42.5	S0312	.02200	5.5627	0.8	V
	9012	47350.90	22 51S	43 14W	131.2	187.1	3.092	-38.85	42.5	S0312	.02200	5.4554	0.4	A
420	9001	52259.70	3 28N	59 46W	93.8	186.5	3.232	-25.90	64.8	S0312	.02200	7.6590	1.0	F
	9002	52263.50	3 27N	59 47W	93.0	186.5	3.232	-25.90	64.8	S0312	.03070	7.8323	1.4	V
	9003	52273.50	3 7N	60 28W	113.9	186.5	3.092	-42.70	64.1	S0312	.02200	6.3467	1.4	A
	9004	52518.10	13 33S	63 37W	129.2	186.7	3.092	-43.05	50.7	S0312	.02200	5.5544	1.4	A
	9005	52554.10	16 20S	60 58W	142.7	186.8	1.484	43.40	50.0	S0312	.02200	4.9520	1.4	A
	9006	52802.50	33 17S	66 21W	112.7	187.8	2.881	-9.45	33.4	S0312	.03070	6.3632	0.6	V
	9007	52811.50	33 42S	65 22W	121.6	187.8	2.181	17.85	33.4	S0312	.03070	5.7938	1.0	A
	9008	52818.10	34 7S	65 47W	117.3	187.9	2.390	10.15	32.9	S0312	.03070	6.0084	1.0	A
	9009	52852.30	36 8S	68 18W	138.4	188.1	2.881	-35.35	30.2	S0312	.03070	5.1335	1.0	A
	9010	52891.70	38 54S	68 8W	123.2	188.4	2.881	-18.20	27.9	S0312	.03070	5.7278	1.4	A
	9011	52904.10	40 29S	67 12W	122.3	188.5	2.390	10.50	26.9	S0312	.03070	5.8020	0.8	F
	9012	52918.90	41 16S	69 35W	139.6	188.6	2.530	-32.90	25.4	S0312	.03070	5.0510	1.0	F
	9013	52926.70	41 15S	68 41W	123.8	188.7	2.738	-16.10	25.7	S0312	.03070	5.7030	1.0	A
421	5001	57298.10	21 40S	77 52W	78.5	187.0	3.092	1.05	72.4	S0255	.01660	9.2444	2.0	F
	5002	57303.70	21 40S	77 52W	78.8	187.0	3.092	1.75	72.4	S0255	.01660	9.1701	2.0	A
	9001	57020.10	41 1N	74 8W	75.8	188.6	2.530	-16.10	63.2	S0312	.03070	9.6892	7.2	V
	9002	57297.90	21 40N	77 52W	78.5	187.0	3.092	1.05	72.4	S0312	.02200	9.2435	2.0	F
	9003	57303.70	21 40N	77 53W	78.8	187.0	3.092	1.75	72.4	S0312	.02200	9.1693	2.0	A
	9004	57323.50	20 15N	77 21W	94.5	186.9	2.390	30.45	73.2	S0312	.02200	7.6094	1.0	A
422	9001	62621.30	20 33N	101 4W	88.6	186.9	2.881	-32.20	71.6	S0312	.03070	8.2614	0.6	V
	9002	62624.70	20 32N	101 5W	89.6	186.9	3.092	-32.20	71.6	S0312	.02200	8.1046	0.4	A
	9003	62651.70	18 21N	100 38W	78.1	186.8	3.092	-0.35	72.2	S0312	.03070	9.3756	0.4	V
	9004	62654.50	18 22N	100 38W	79.1	186.8	3.092	0.00	72.2	S0312	.03070	9.1280	0.6	A
427	9001	2271.90	53 3N	158 42E	87.9	190.9	1.826	29.75	53.9	S0312	.04070	8.2779	0.6	F
	9002	2278.30	53 3N	158 43E	88.8	190.8	1.690	30.80	53.9	S0312	.04070	8.1624	0.6	A
428	5001	7654.90	48 23N	135 5E	94.3	189.8	1.690	35.70	58.0	S0255	.02210	7.6927	0.4	A
	9001	7645.90	48 33N	135 2E	91.1	189.9	2.037	32.90	57.8	S0312	.02200	8.0056	0.4	F
	9002	7649.70	48 31N	134 55E	88.0	189.8	1.826	31.15	57.8	S0312	.03070	8.3687	0.6	V
	9003	7711.70	44 11N	132 53E	77.1	189.1	2.390	13.30	61.2	S0312	.03070	9.4334	0.6	F
	9004	7717.30	44 11N	132 53E	77.5	189.0	2.390	14.00	61.2	S0312	.03070	9.3508	0.6	A
	9005	7728.10	43 9N	131 56E	74.6	188.9	2.530	-8.05	61.8	S0312	.03070	9.7305	1.6	F
	9006	7733.30	43 9N	131 56E	74.6	188.9	2.530	-7.35	61.8	S0312	.03070	9.7305	1.8	A
	9007	7742.90	42 34N	131 13E	80.7	188.8	2.530	-25.20	62.8	S0312	.03070	9.0207	0.4	A
	9008	7871.10	33 37N	130 28E	84.0	187.8	2.390	23.45	68.9	S0312	.03070	8.5998	1.4	A
429	9001	12891.30	53 1N	114 15E	83.0	190.9	1.826	26.25	53.9	S0312	.03070	8.8639	0.4	V
	9002	12894.30	53 1N	114 15E	84.3	190.8	1.826	26.60	53.9	S0312	.03070	8.6081	0.6	A
	9003	12903.50	52 5N	113 12E	75.4	190.6	2.037	8.75	54.6	S0312	.03070	9.6479	0.8	F
	9004	12905.70	51 56N	113 9E	75.4	190.6	2.037	8.75	54.7	S0312	.03070	9.6397	0.8	F
	9005	12911.10	51 56N	113 8E	75.6	190.6	2.037	9.10	54.7	S0312	.03070	9.5984	0.8	A
	9006	12915.90	51 26N	112 53E	74.1	190.4	2.037	7.00	55.1	S0312	.04070	9.9203	0.8	V
	9007	12918.90	51 25N	112 52E	75.0	190.4	2.037	7.00	55.1	S0312	.04070	9.6809	0.8	A
	9008	13028.50	43 39N	109 39E	77.1	189.0	2.390	-17.85	61.3	S0312	.03070	9.4003	0.8	F
	9009	13152.10	34 58N	108 57E	90.2	188.0	2.390	30.80	68.2	S0312	.02200	8.0881	0.6	F
	9010	13155.30	34 58N	108 58E	89.7	187.9	2.181	31.50	68.2	S0312	.02200	8.1954	0.6	V
	9011	13169.90	33 58N	106 47E	88.0	187.8	2.390	-33.95	67.7	S0312	.03070	8.2202	0.6	F
	9012	13173.10	33 57N	106 47E	86.7	187.8	2.390	-33.60	67.7	S0312	.03070	8.4678	0.6	V
	9013	13185.10	32 59N	107 58E	78.2	187.8	2.738	15.40	69.1	S0312	.03070	9.3838	0.4	V
	9014	13187.90	32 59N	107 58E	79.2	187.7	2.738	15.40	69.1	S0312	.03070	9.1280	0.4	A
	9015	13195.70	31 59N	108 11E	88.6	187.7	2.530	29.05	69.9	S0312	.03070	8.2367	0.8	F
	9016	13198.90	31 59N	108 11E	88.0	187.7	2.530	29.40	69.9	S0312	.03070	8.3522	0.8	V
	9017	13213.50	31 14N	107 30E	78.7	187.6	2.738	12.60	70.0	S0312	.03070	9.1858	0.6	A
	9018	13222.50	30 17N	106 50E	75.8	187.5	3.092	-6.30	70.1	S0312	.03070	9.5737	1.4	F
	9019	13231.70	29 46N	107 19E	80.0	187.5	2.738	17.15	70.8	S0312	.04070	9.1693	0.4	V
	9020	13234.70	29 46N	107 19E	81.2	187.5	2.738	17.50	70.8	S0312	.04070	8.8887	0.4	A
	9021	13243.90	29 11N	106 41E	75.7	187.4	3.092	-1.75	70.7	S0312	.03070	9.5737	0.4	A
	9022	13253.90	28 1N	107 8E	84.6	187.4	2.738	23.10	71.6	S0312	.03070	8.6081	0.6	F
	9023	13256.90	28 1N	107 7E	83.8	187.4	2.530	23.45	71.6	S0312	.03070	8.7649	0.4	V
	9024	13259.30	27 51N	107 5E	83.8	187.4	2.530	23.45	71.7	S0312	.03070	8.7649	0.8	V
	9025	13262.30	27 51N	107 5E	85.2	187.3	2.530	23.80	71.7	S0312	.03070	8.4843	0.8	A
	9026	13268.10	27 16N	106 50E	80.9	187.3	2.738	18.55	71.8	S0312	.03070	9.0620	0.6	V
	9027	13271.10	27 16N	106 49E	82.2	187.3	2.738	18.90	71.8	S0312	.03070	8.7814	0.6	A
	9028	13281.70	26 14N	105 49E	77.4	187.3	3.092	-13.30	71.5	S0312	.03070	9.3673	0.6	F
	9029	13284.30	26 14N	105 49E	76.5	187.2	3.092	-12.95	71.5	S0312	.03070	9.5902	0.6	V
	9030	13296.50	25 13N	105 27E	79.7	187.2	3.092	-19.25	71.6	S0312	.03070	9.0785	0.4	F
	9031	13319.70	24 3N	105 3E	83.0	187.1	3.092	-24.85	71.7	S0312	.03070	8.7566	0.4	A
	9032	13340.30	22 8N	105 33E	79.5	187.0	3.092	8.40	72.6	S0312	.03070	9.1362	0.4	F
	9033	13345.90	22 8N	105 33E	80.1	187.0	2.881	9.80	72.7	S0312	.03070	9.0290	0.4	A
	9034	13354.70	21 3N	105 49E	89.3	187.0	2.738	25.55	73.1	S0312	.02200	8.1459	0.4	F
	9035	13357.90	21 3N	105 49E	88.9	187.0	2.530	26.25	73.1	S0312	.03070	8.2614	1.2	V
	9036	13361.90	21 0N	105 48E	90.1	187.0	2.530	26.25	73.1	S0312	.02200	8.0056	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
429 9037	13374.50	19 55N	105 29E	86.1	186.9	2.738	22.05	73.0	SO312	.02200	8.5090	0.6	V
9038	13377.70	19 55N	105 28E	87.5	186.9	2.738	22.40	73.0	SO312	.02200	8.2284	0.6	A
9039	13385.30	19 1N	105 2E	81.8	186.9	3.092	11.55	72.6	SO312	.02200	8.8804	0.6	F
9040	13391.30	19 0N	105 2E	82.5	186.9	2.881	12.95	72.7	SO312	.02200	8.7401	0.6	A
430 9001	18329.90	44 1N	87 30E	79.0	189.1	2.390	-22.40	61.0	SO312	.04070	9.1775	0.6	F
9002	18332.70	44 1N	87 30E	77.9	189.0	2.390	-22.05	61.0	SO312	.03070	9.4251	0.6	V
9003	18337.90	43 50N	87 39E	75.9	189.0	2.530	-15.40	61.2	SO312	.03070	9.5737	1.2	A
9004	18342.50	43 19N	87 35E	73.5	188.9	2.530	-13.65	61.7	SO312	.03070	10.0028	0.6	V
9005	18364.90	41 36N	88 42E	91.9	188.7	2.037	35.00	63.6	SO312	.02200	7.9973	1.2	V
9006	18368.30	41 36N	88 42E	93.2	188.7	1.826	35.35	63.6	SO312	.02200	7.7662	1.2	A
9007	18383.70	26 47N	83 28E	82.5	187.3	2.881	-25.55	71.8	SO312	.02200	8.8804	1.0	V
431 5001	23678.10	41 33N	64 30E	83.3	188.6	2.390	-29.05	62.8	SO255	.02210	8.7492	0.6	A
9001	23478.50	54 56N	69 11E	75.6	191.3	1.826	-14.70	51.9	SO312	.04070	9.7140	0.6	V
9002	23481.30	54 55N	69 11E	76.5	191.3	2.037	-14.70	51.9	SO312	.04070	9.5076	0.6	A
9003	23523.70	51 55N	67 22E	84.7	190.5	1.826	-31.50	54.4	SO312	.02200	8.6576	0.6	V
9004	23526.90	51 55N	67 22E	85.5	190.5	2.037	-31.50	54.4	SO312	.02200	8.5090	0.6	A
9005	23677.90	41 34N	64 30E	83.3	188.6	2.390	-29.05	62.8	SO312	.03070	8.7484	0.6	A
9006	23697.50	39 36N	65 43E	84.9	188.5	2.390	25.90	65.0	SO312	.03070	8.5915	0.6	F
9007	23700.50	39 36N	65 43E	84.1	188.4	2.181	26.25	65.0	SO312	.03070	8.7566	1.2	V
9008	23704.50	39 33N	65 42E	85.4	188.4	2.181	26.60	65.0	SO312	.03070	8.4843	0.4	A
9009	23710.70	38 52N	65 56E	94.8	188.4	2.037	36.40	65.7	SO312	.02200	7.7497	0.6	V
9010	23714.30	38 51N	65 56E	96.7	188.3	1.826	37.10	65.7	SO312	.02200	7.4939	0.6	A
432 5001	28807.10	53 14N	45 5E	99.9	190.9	1.338	-42.70	53.1	SO255	.02210	7.2464	0.6	F
9001	28716.50	59 13N	49 47E	75.4	192.8	1.690	4.20	48.2	SO312	.04070	9.6397	0.6	F
9002	28719.10	59 13N	49 48E	74.6	192.8	1.690	4.55	48.2	SO312	.04070	9.8625	0.6	V
9003	28720.50	59 7N	49 45E	74.5	192.7	1.690	4.55	48.3	SO312	.04070	9.8708	0.4	V
9004	28723.10	59 8N	49 45E	75.4	192.6	1.690	4.90	48.3	SO312	.04070	9.6232	0.6	A
9005	28727.10	58 40N	49 37E	74.9	192.5	1.690	7.00	48.7	SO312	.04070	9.8130	0.6	V
9006	28729.90	58 40N	49 38E	75.9	192.5	1.690	7.35	48.7	SO312	.04070	9.5737	1.0	A
9007	28764.10	55 55N	48 52E	79.9	191.7	1.826	18.90	51.3	SO312	.04070	9.1115	0.6	F
9008	28766.90	55 55N	48 52E	79.2	191.7	1.826	19.25	51.3	SO312	.04070	9.2931	0.6	V
9009	28820.50	52 7N	47 8E	77.8	190.7	2.181	14.70	54.6	SO312	.03070	9.3591	2.0	F
9010	28825.90	52 8N	47 8E	78.2	190.6	2.181	15.40	54.6	SO312	.03070	9.2848	2.2	A
9011	28874.90	48 21N	46 14E	84.8	189.8	2.181	26.25	58.0	SO312	.03070	8.6081	0.6	F
9012	28877.90	48 21N	46 15E	84.1	189.8	2.181	26.60	58.0	SO312	.03070	8.7484	0.8	V
9013	28912.70	46 19N	44 13E	75.4	189.4	2.390	-13.65	59.3	SO312	.03070	9.5902	0.4	A
9014	28928.30	44 51N	44 1E	74.5	189.2	2.390	-7.00	60.5	SO312	.03070	9.7470	0.6	F
9015	28930.90	44 51N	44 1E	73.6	189.2	2.390	-6.65	60.5	SO312	.03070	9.9780	0.6	V
9016	28939.70	44 8N	42 58E	85.6	189.1	2.037	-31.85	60.8	SO312	.03070	8.4595	0.6	F
9017	28942.70	44 8N	42 58E	84.3	189.0	2.037	-31.50	60.8	SO312	.03070	8.7071	0.6	V
9018	28950.90	43 30N	43 29E	74.2	189.0	2.390	-11.55	61.6	SO312	.03070	9.9120	0.6	V
9019	28953.70	43 30N	43 29E	75.0	188.9	2.390	-11.20	61.6	SO312	.03070	9.6892	0.4	A
9020	29093.70	33 51N	41 27E	75.5	187.8	2.738	1.05	68.4	SO312	.02200	9.5984	1.0	A
9021	29873.70	20 2S	30 52E	105.8	186.9	3.232	-18.55	45.4	SO312	.03070	6.7429	0.6	F
9022	29877.50	20 2S	30 52E	104.7	186.9	3.232	-18.20	45.4	SO312	.03070	6.8997	0.6	V
9023	29909.70	22 42S	32 3E	124.0	187.0	2.390	29.75	43.7	SO312	.02200	5.7855	0.8	F
9024	29914.10	22 42S	32 4E	123.6	187.0	2.181	30.45	43.8	SO312	.02200	5.8433	0.8	V
433 5001	33907.30	67 14N	32 27E	76.3	196.8	1.135	-3.85	40.7	SO255	.03080	9.5333	0.8	A
5002	34215.30	45 45N	24 6E	105.0	189.4	1.826	42.70	60.4	SO255	.01660	6.9746	0.6	F
9001	33898.10	67 29N	32 32E	76.5	197.2	1.135	-6.65	40.4	SO312	.04070	9.4664	0.6	F
9002	33901.70	67 14N	32 28E	76.3	197.1	1.135	-4.20	40.7	SO312	.04070	9.5076	1.0	F
9003	33907.30	67 13N	32 27E	76.2	196.8	1.135	-3.85	40.7	SO312	.04070	9.5324	0.6	A
9004	34041.70	57 50N	26 51E	74.8	192.3	1.826	0.00	49.5	SO312	.04070	9.7057	1.4	F
9005	34046.90	57 51N	26 50E	74.8	192.2	1.826	0.35	49.5	SO312	.04070	9.6974	1.6	A
9006	34068.90	55 56N	26 30E	77.1	191.7	1.826	12.60	51.3	SO312	.04070	9.4416	0.8	F
9007	34074.50	55 56N	26 30E	77.4	191.6	1.826	13.30	51.3	SO312	.04070	9.3756	0.8	A
9008	34082.10	55 7N	27 1E	88.4	191.4	1.690	31.50	52.1	SO312	.03070	8.3109	0.4	V
9009	34085.30	55 7N	27 1E	90.0	191.4	1.484	32.20	52.1	SO312	.03070	8.0551	0.6	A
9010	34137.50	51 16N	24 43E	77.8	190.5	2.181	15.05	55.4	SO312	.03070	9.3591	0.4	F
9011	34143.50	50 54N	24 20E	75.4	190.4	2.181	8.05	55.7	SO312	.04070	9.6397	0.8	F
9012	34148.90	50 54N	24 20E	75.7	190.3	2.037	9.10	55.7	SO312	.03070	9.5737	0.6	A
9013	34157.90	49 59N	23 25E	74.8	190.2	2.181	-9.45	56.3	SO312	.04070	9.6974	1.0	F
9014	34163.70	49 35N	23 21E	74.5	190.1	2.181	-7.35	56.7	SO312	.04070	9.7470	0.8	F
9015	34168.90	49 35N	23 21E	74.4	190.0	2.181	-6.65	56.7	SO312	.04070	9.7552	0.8	A
9016	34178.10	48 39N	22 19E	82.5	189.9	2.037	-27.65	57.2	SO312	.03070	8.7731	1.0	F
9017	34186.90	48 9N	23 2E	73.4	189.8	2.181	-2.80	57.9	SO312	.04070	10.0111	0.6	V
9018	34196.50	47 9N	23 53E	87.7	189.6	2.037	29.75	59.1	SO312	.03070	8.3192	0.6	F
9019	34199.70	47 9N	23 54E	87.2	189.6	1.826	30.45	59.1	SO312	.03070	8.4512	0.4	V
9020	34204.90	46 34N	23 47E	89.8	189.5	2.037	31.85	59.6	SO312	.03070	8.1211	0.6	F
9021	34208.10	46 34N	23 48E	89.3	189.5	1.826	32.55	59.6	SO312	.03070	8.2449	0.6	V
9022	34229.90	45 5N	23 18E	88.9	189.2	2.037	31.85	60.8	SO312	.03070	8.2697	0.8	V
9023	34233.30	45 4N	23 19E	90.5	189.2	1.826	32.55	60.8	SO312	.03070	8.0056	0.6	A
9024	34248.30	43 52N	20 36E	90.4	189.0	2.037	-36.40	61.0	SO312	.01650	8.0056	1.0	F
9025	34251.50	43 52N	20 36E	89.0	189.0	2.037	-36.05	61.0	SO312	.01650	8.2532	1.0	V
9026	34259.10	43 18N	20 50E	80.8	188.9	2.390	-26.60	61.5	SO312	.03070	9.0867	0.6	V
9027	34264.70	42 41N	21 9E	75.3	188.9	2.530	-12.60	62.2	SO312	.03070	9.6414	0.6	F
9028	34267.30	42 41N	21 9E	74.4	188.8	2.530	-12.25	62.2	SO312	.03070	9.8708	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
433 9029	34273.30	42 3N	21 26E	74.6	188.8	2.530	2.45	62.9	SO312	.03070	9.7470	0.6	F
9030	34275.90	42 3N	21 26E	73.8	188.8	2.530	2.80	62.9	SO312	.03070	9.9533	0.6	V
9031	34281.10	41 33N	20 58E	74.9	188.7	2.530	-8.75	63.1	SO312	.03070	9.6892	0.6	F
9032	34283.70	41 33N	20 58E	74.0	188.7	2.530	-8.40	63.1	SO312	.03070	9.9285	0.6	V
9033	34290.90	41 8N	20 7E	84.4	188.6	2.181	-31.15	63.1	SO312	.03070	8.6823	0.6	V
9034	34293.90	41 9N	20 7E	85.0	188.6	2.390	-30.80	63.1	SO312	.03070	8.5585	0.6	A
9035	34298.10	40 38N	20 6E	82.1	188.6	2.390	-28.35	63.5	SO312	.03070	8.9464	0.8	V
9036	34302.30	40 8N	20 8E	80.1	188.5	2.390	-23.80	63.9	SO312	.03070	9.0372	0.8	F
9037	34305.10	40 8N	20 8E	79.0	188.5	2.390	-23.45	63.9	SO312	.03070	9.2931	0.8	V
9038	34307.30	39 59N	20 6E	79.1	188.5	2.390	-23.45	64.0	SO312	.03070	9.2848	0.6	V
9039	34310.10	39 59N	20 6E	79.9	188.5	2.390	-23.10	64.0	SO312	.03070	9.1032	0.8	A
434 9001	39544.90	44 33N	1 7W	84.5	189.1	2.181	-31.50	60.5	SO312	.03070	8.6741	0.4	V
9002	39547.90	44 34N	1 7W	85.3	189.1	2.181	-31.15	60.5	SO312	.03070	8.5173	0.6	A
9003	39680.30	35 2N	1 27W	92.3	188.0	2.037	33.95	68.3	SO312	.01650	7.9561	0.6	V
9004	39683.70	35 2N	1 27W	93.5	187.9	2.037	33.95	68.3	SO312	.01650	7.7167	0.6	A
9005	39729.30	31 41N	2 15W	92.4	187.7	2.181	33.60	70.3	SO312	.01650	7.9561	0.6	V
9006	39732.70	31 41N	2 15W	94.0	187.6	2.181	33.95	70.3	SO312	.01650	7.6837	0.8	A
435 9001	45550.90	3 48S	32 25W	92.9	186.5	3.439	-18.55	59.4	SO312	.03070	7.4323	1.4	V
436 9001	50936.10	9 17S	54 57W	94.5	186.6	3.232	1.40	55.2	SO312	.03070	7.5764	1.4	A
9002	51018.90	14 44S	57 11W	118.3	186.7	3.232	-36.40	49.7	SO312	.02200	6.0579	1.4	A
9003	51297.70	34 31S	58 31W	135.9	187.8	2.037	30.80	32.7	SO312	.03070	5.2491	1.8	F
9004	51302.70	34 32S	58 29W	136.1	187.9	1.826	31.85	32.7	SO312	.03070	5.2821	0.8	V
9005	51304.70	34 40S	58 31W	136.3	187.9	1.826	31.85	32.6	SO312	.03070	5.2738	0.6	V
9006	51306.30	34 46S	58 32W	136.4	187.9	1.826	31.85	32.5	SO312	.03070	5.2656	1.2	V
9007	51311.70	34 47S	58 33W	136.5	187.9	1.826	31.85	32.5	SO312	.03070	5.0840	0.6	A
9008	51320.70	35 21S	59 27W	121.5	188.0	2.181	16.45	31.6	SO312	.03070	5.8103	1.0	A
9009	51325.70	35 42S	59 22W	124.4	188.0	2.181	19.60	31.4	SO312	.03070	5.6700	1.4	A
9010	51334.90	36 51S	60 13W	116.6	188.1	2.738	5.25	30.0	SO312	.03070	6.1074	1.8	F
9011	51339.50	36 52S	60 16W	115.4	188.1	2.530	4.90	30.0	SO312	.03070	6.2229	0.6	V
9012	51347.50	37 11S	59 13W	136.3	188.2	1.826	29.05	30.1	SO312	.03070	5.1666	1.2	A
9013	51359.70	38 9S	61 20W	117.4	188.3	2.881	-12.95	28.5	SO312	.03070	6.1156	0.8	V
9014	51365.90	38 12S	61 49W	124.9	188.3	3.092	-22.75	28.3	SO312	.03070	5.6782	1.4	A
9015	51370.90	38 50S	62 5W	125.7	188.4	2.881	-24.85	27.7	SO312	.04070	5.7030	1.4	V
9016	51375.70	38 50S	62 6W	127.4	188.4	3.092	-24.85	27.7	SO312	.04070	5.5627	1.4	A
9017	51382.70	39 19S	62 5W	125.4	188.5	2.881	-21.70	27.3	SO312	.03070	5.6452	1.4	A
437 5001	55935.70	11 9N	72 54W	90.2	186.6	2.738	22.75	70.4	SO255	.02210	8.1054	0.8	V
5002	56227.50	9 13S	75 54W	118.6	186.6	2.390	35.00	55.9	SO255	.01660	6.0914	0.8	F
5003	56230.50	9 8S	75 54W	117.7	186.6	2.181	35.35	55.9	SO255	.01660	6.1739	0.8	V
5004	56236.10	9 13S	75 49W	124.0	186.6	1.826	38.15	55.9	SO255	.01660	5.7612	0.8	A
9001	55935.50	11 10N	72 54W	90.2	186.6	2.738	22.75	70.4	SO312	.02200	8.1046	1.0	V
9002	56165.70	4 25S	77 38W	120.7	186.5	2.881	-44.10	58.2	SO312	.02200	6.0084	0.4	V
9003	56170.10	4 25S	77 38W	121.4	186.5	3.092	-43.75	58.3	SO312	.02200	5.9423	0.6	A
9004	56187.70	5 53S	76 6W	96.4	186.5	2.881	14.35	58.2	SO312	.03070	7.4114	0.4	A
9005	56227.30	9 13S	75 54W	118.6	186.6	2.390	35.00	55.9	SO312	.02200	6.0909	1.0	F
9006	56235.90	9 12S	75 49W	123.8	186.6	1.826	38.15	55.9	SO312	.02200	5.7608	1.0	A
9007	56270.50	12 3S	77 0W	102.9	186.6	2.881	18.20	53.0	SO312	.03070	7.0070	0.6	F
9008	56274.30	12 4S	76 60W	102.5	186.6	2.881	18.90	53.0	SO312	.03070	7.0812	1.8	V
9009	56279.10	12 8S	76 60W	104.6	186.7	2.881	19.60	53.0	SO312	.02200	6.8172	0.8	A
438 9001	61138.70	17 60N	94 31W	78.9	186.8	3.232	-7.70	72.1	SO312	.03070	9.2848	0.4	V
9002	61141.50	18 0N	94 31W	79.9	186.8	3.232	-7.35	72.1	SO312	.03070	9.0537	0.6	A
9003	61154.90	16 54N	94 54W	80.7	186.8	3.232	-15.05	71.7	SO312	.03070	9.0785	0.4	V
9004	61157.70	16 55N	94 54W	81.6	186.8	3.232	-14.70	71.7	SO312	.03070	8.8839	0.6	A
439 9001	66114.70	40 12N	113 12W	100.0	188.5	1.826	-43.75	63.6	SO312	.02200	7.2050	1.2	F
9002	66121.90	40 12N	113 13W	99.2	188.5	2.037	-43.40	63.6	SO312	.02200	7.3453	1.2	A
9003	66159.50	37 2N	112 32W	74.0	188.2	2.738	-2.45	66.5	SO312	.02200	9.8212	0.6	F
9004	66164.70	37 3N	112 32W	74.1	188.1	2.738	-1.75	66.5	SO312	.02200	9.7882	0.8	A
9005	66206.50	33 50N	113 33W	76.2	187.8	2.738	-12.95	68.3	SO312	.02200	9.5159	0.6	F
9006	66211.90	33 50N	113 33W	76.1	187.8	2.881	-12.25	68.3	SO312	.02200	9.5324	0.8	A
444 9001	6058.90	53 38N	142 56E	84.0	191.1	2.037	24.85	53.6	SO312	.02200	8.6741	0.4	F
9002	6072.30	53 9N	140 44E	80.6	190.8	1.826	-25.55	53.6	SO312	.04070	9.1197	0.4	V
9003	6075.10	53 9N	140 44E	81.3	190.8	2.037	-25.20	53.6	SO312	.04070	8.9464	0.6	A
445 9001	11368.90	53 45N	119 45E	74.3	191.1	2.037	-2.45	53.3	SO312	.03070	9.7635	0.4	F
9002	11374.30	53 45N	119 47E	74.3	191.0	2.037	-1.05	53.3	SO312	.04070	9.7635	0.6	A
9003	11502.10	44 53N	116 23E	75.0	189.2	2.390	-15.75	60.6	SO312	.03070	9.7882	0.4	V
9004	11509.70	44 28N	117 4E	75.7	189.1	2.390	10.50	61.2	SO312	.03070	9.5654	0.4	A
9005	11519.90	43 54N	115 50E	79.3	189.0	2.390	-23.80	61.3	SO312	.03070	9.1693	0.4	A
9006	11543.30	42 16N	115 33E	77.1	188.8	2.390	-19.25	62.6	SO312	.03070	9.4251	0.4	A
9007	11561.50	40 26N	116 41E	89.5	188.6	2.390	30.80	64.6	SO312	.03070	8.1541	0.6	F
9008	11564.70	40 26N	116 40E	88.6	188.6	2.181	31.15	64.6	SO312	.03070	8.2697	0.6	V
9009	11569.10	39 56N	116 25E	86.5	188.5	2.390	27.65	65.0	SO312	.03070	8.4347	0.4	F
9010	11570.70	39 49N	116 23E	86.5	188.5	2.390	27.65	65.0	SO312	.03070	8.4347	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
445 9011	11573.70	39 50N	116 23E	85.8	188.5	2.390	28.00	65.0	SO312	.03070	8.5585	0.6	V
9012	11578.70	39 31N	115 59E	79.1	188.4	2.390	18.55	65.1	SO312	.03070	9.2848	0.4	V
9013	11581.50	39 32N	115 59E	80.3	188.4	2.390	18.90	65.1	SO312	.03070	9.0124	0.4	A
9014	11586.10	39 14N	115 45E	77.9	188.4	2.390	14.00	65.3	SO312	.02200	9.2931	0.4	A
9015	11591.30	38 54N	115 20E	75.0	188.3	2.738	2.45	65.3	SO312	.02200	9.6644	1.6	A
9016	11667.30	33 38N	114 40E	83.8	187.8	2.530	23.10	69.1	SO312	.03070	8.6246	0.4	A
9017	11679.70	32 49N	114 1E	76.6	187.7	2.738	7.00	69.3	SO312	.02200	9.4499	0.4	A
9018	11764.90	26 47N	112 36E	76.0	187.3	3.092	1.05	71.8	SO312	.03070	9.6479	0.6	V
9019	11772.70	26 25N	112 49E	80.1	187.3	2.881	13.30	72.1	SO312	.03070	9.0207	1.2	A
9020	11980.10	12 2N	109 14E	85.7	186.6	3.092	-21.70	69.8	SO312	.03070	8.5338	0.8	V
9021	11983.50	12 1N	109 14E	86.5	186.6	3.439	-21.35	69.8	SO312	.03070	8.3687	0.4	A
9022	11984.70	11 56N	109 13E	86.5	186.6	3.439	-21.35	69.8	SO312	.03070	8.3687	0.8	A
446 9001	16648.50	55 60N	97 50E	77.6	191.6	1.826	-19.60	51.2	SO312	.04070	9.4499	0.6	V
9002	18021.50	37 50S	77 33E	119.6	188.2	2.738	-15.05	28.6	SO312	.03070	6.0001	0.6	V
9003	18026.10	37 51S	77 34E	121.1	188.3	2.738	-14.35	28.7	SO312	.03070	5.8433	0.4	A
9004	18244.70	53 5S	73 44E	131.4	190.7	2.181	1.05	14.3	SO312	.04070	5.3729	0.6	F
9005	18249.50	53 5S	73 45E	130.3	190.8	2.181	1.40	14.3	SO312	.04070	5.4637	0.6	V
447 5001	22100.30	45 52N	73 35E	80.1	189.4	2.390	19.60	60.2	SO255	.01660	9.0958	1.0	F
5002	22106.10	45 52N	73 35E	80.5	189.3	2.181	20.30	60.2	SO255	.01660	8.9885	0.8	A
5003	22246.10	35 48N	71 21E	91.8	188.0	2.390	34.95	68.0	SO255	.02210	7.9485	1.0	F
5004	22250.90	35 42N	71 21E	92.0	188.0	2.181	35.00	68.1	SO255	.02210	8.0063	0.8	V
5005	22254.50	35 38N	71 21E	93.6	188.0	2.181	36.40	68.3	SO255	.02210	7.8660	2.0	V
5006	22263.50	35 4N	71 22E	100.1	187.9	1.826	39.20	68.6	SO255	.01250	7.2387	0.8	A
5007	22270.10	34 38N	70 47E	85.9	187.9	2.390	26.60	68.6	SO255	.02210	8.4273	0.8	A
9001	21969.90	55 14N	75 59E	74.8	191.4	2.037	-4.90	52.0	SO312	.04070	9.7057	0.4	A
9002	22089.10	46 59N	72 31E	78.4	189.5	2.181	-22.40	58.9	SO312	.03070	9.3508	0.8	V
9003	22099.70	45 55N	73 36E	80.1	189.4	2.390	19.60	60.2	SO312	.02200	9.0950	1.8	F
9004	22105.50	45 54N	73 36E	80.4	189.3	2.181	20.30	60.2	SO312	.02200	8.9877	1.8	A
9005	22149.90	43 1N	71 23E	79.4	188.9	2.530	-23.45	62.0	SO312	.03070	9.1693	0.4	A
9006	22407.30	24 56N	66 56E	93.7	187.2	2.738	-36.75	71.3	SO312	.02200	7.6920	1.2	F
9007	22413.70	24 56N	67 8E	87.5	187.2	3.092	-30.45	71.5	SO312	.03070	8.3027	0.6	A
448 5001	27207.50	59 29N	56 51E	79.8	193.0	1.826	17.50	48.3	SO255	.03080	9.1206	1.0	F
5002	27214.10	59 26N	56 46E	79.5	192.8	1.826	16.80	48.3	SO255	.03080	9.1454	0.8	A
5003	27256.30	56 45N	53 57E	78.3	191.8	1.826	-18.55	50.6	SO255	.03080	9.2774	1.0	A
5004	27262.10	56 18N	54 16E	75.1	191.7	2.037	-6.30	51.1	SO255	.03080	9.6901	0.6	A
9001	27207.50	59 29N	56 51E	79.8	193.0	1.826	17.50	48.3	SO312	.04070	9.1197	0.8	F
9002	27211.10	59 26N	56 46E	78.4	192.9	1.826	16.45	48.3	SO312	.04070	9.3838	0.8	V
9003	27214.10	59 26N	56 46E	79.5	192.8	1.826	16.80	48.3	SO312	.04070	9.1445	0.8	A
9004	27228.10	58 4N	56 20E	82.2	192.4	1.826	22.05	49.6	SO312	.04070	8.8556	0.8	F
9005	27230.90	58 4N	56 20E	81.3	192.4	1.826	22.05	49.6	SO312	.04070	9.0455	1.0	V
9006	27235.70	57 47N	55 51E	77.5	192.3	1.826	15.05	49.8	SO312	.04070	9.4911	0.4	V
9007	27236.90	57 42N	55 49E	77.5	192.2	1.826	15.05	49.9	SO312	.04070	9.4911	0.4	V
9008	27239.70	57 43N	55 49E	78.5	192.2	1.826	15.40	49.9	SO312	.04070	9.2353	0.4	A
9009	27248.90	57 4N	54 0E	78.3	192.0	1.826	-20.65	50.3	SO312	.04070	9.3673	0.6	V
9010	27251.70	57 4N	54 0E	79.0	191.9	1.826	-20.30	50.3	SO312	.04070	9.1858	0.6	A
9011	27256.30	56 45N	53 57E	78.3	191.8	1.826	-18.55	50.6	SO312	.04070	9.2765	1.0	A
9012	27311.30	52 35N	52 51E	74.6	190.8	2.037	-5.60	54.3	SO312	.04070	9.7305	1.0	F
9013	27316.70	52 34N	52 51E	74.6	190.7	2.037	-4.90	54.3	SO312	.04070	9.7305	0.8	A
9014	27427.30	44 39N	50 19E	74.4	189.2	2.390	-4.90	61.0	SO312	.03070	9.7552	0.6	F
9015	27429.90	44 39N	50 19E	73.6	189.1	2.390	-4.55	61.0	SO312	.03070	9.9863	0.6	V
9016	27485.50	40 38N	49 34E	75.6	188.6	2.738	6.30	64.2	SO312	.02200	9.6232	1.0	F
9017	27490.90	40 38N	49 35E	75.9	188.5	2.530	7.70	64.2	SO312	.02200	9.5489	1.0	A
9018	27499.70	39 41N	49 0E	74.7	188.5	2.738	-4.90	64.7	SO312	.02200	9.7222	1.2	F
9019	27505.10	39 41N	48 60E	74.8	188.4	2.738	-4.20	64.7	SO312	.02200	9.7057	1.0	A
9020	27648.10	29 20N	47 39E	91.3	187.5	2.530	30.45	71.5	SO312	.02200	7.9973	0.6	F
9021	27651.30	29 20N	47 39E	90.7	187.5	2.530	30.80	71.5	SO312	.02200	8.1046	0.6	V
9022	27678.10	27 55N	45 32E	88.7	187.3	2.738	-32.90	70.7	SO312	.03070	8.1789	0.8	A
9023	27852.70	15 22N	44 13E	80.6	186.8	3.092	6.65	71.7	SO312	.03070	9.0124	0.4	F
9024	27855.50	15 22N	44 12E	79.8	186.7	3.092	7.00	71.8	SO312	.03070	9.1693	0.4	V
9025	27865.70	14 47N	42 59E	94.7	186.7	3.092	-35.00	70.5	SO312	.01650	7.7167	1.0	V
9026	27869.30	14 47N	42 59E	95.3	186.7	3.092	-34.30	70.5	SO312	.01650	7.6094	0.8	A
9027	27894.70	12 42N	43 28E	81.0	186.7	3.439	-3.85	70.5	SO312	.03070	9.0372	0.4	V
9028	27897.70	12 42N	43 28E	82.1	186.7	3.439	-3.50	70.5	SO312	.03070	8.7979	0.4	A
9029	27910.50	11 37N	43 10E	81.8	186.6	3.439	-8.40	69.9	SO312	.03070	8.9464	0.4	V
9030	27913.50	11 38N	43 10E	82.8	186.6	3.439	-8.05	69.9	SO312	.03070	8.7153	0.4	A
9031	27922.10	10 37N	43 3E	82.5	186.6	3.439	-8.30	69.5	SO312	.03070	8.7649	0.6	F
9032	27925.10	10 37N	43 3E	81.7	186.6	3.439	-5.95	69.5	SO312	.03070	8.9547	0.6	V
9033	27931.90	9 54N	43 14E	83.4	186.6	3.232	6.65	69.4	SO312	.03070	8.6906	0.8	F
9034	27934.90	9 54N	43 14E	82.7	186.6	3.232	7.00	69.4	SO312	.03070	8.8391	0.8	V
9035	27943.10	9 23N	42 48E	81.8	186.6	3.439	-7.00	68.8	SO312	.03070	8.9382	0.6	V
9036	27946.10	9 23N	42 48E	82.9	186.6	3.439	-6.65	68.8	SO312	.03070	8.7071	0.6	A
9037	28022.30	3 51N	42 34E	93.8	186.5	2.881	21.35	65.9	SO312	.02200	7.7828	1.2	V
9038	28025.70	3 51N	42 34E	95.4	186.5	2.881	21.70	65.9	SO312	.02200	7.5187	1.4	A
9039	28123.10	2 56S	40 13E	94.8	186.5	3.439	-22.40	59.9	SO312	.03070	7.6837	0.4	V
9040	28126.50	2 55S	40 13E	95.7	186.5	3.439	-21.70	59.9	SO312	.03070	7.5269	0.6	A
449 5001	32646.70	50 38N	30 13E	74.3	190.3	2.390	-1.05	56.1	SO255	.03080	9.7727	0.8	F
5002	32651.90	50 38N	30 13E	74.5	190.2	2.390	-0.35	56.1	SO255	.03080	9.7562	1.0	A
5003	32689.10	48 7N	29 9E	74.6	189.7	2.390	-7.35	58.1	SO255	.03080	9.7479	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
449 9001	32568.30	55 52N	32 55E	78.8	191.7	2.037	16.45	51.6	SO312	.04070	9.2353	0.4	F
9002	32586.90	54 50N	32 3E	74.5	191.3	2.037	6.30	52.4	SO312	.04070	9.8708	0.6	V
9003	32589.70	54 50N	32 3E	75.4	191.3	2.037	6.65	52.5	SO312	.04070	9.8149	0.6	A
9004	32592.10	54 40N	31 59E	75.5	191.2	2.037	6.65	52.6	SO312	.04070	9.8149	0.4	A
9005	32599.50	53 46N	31 56E	77.6	191.1	2.181	14.00	53.5	SO312	.04070	9.3756	0.8	F
9006	32602.30	53 45N	31 56E	76.9	191.0	2.181	14.35	53.5	SO312	.04070	9.5654	0.8	V
9007	32615.90	53 10N	30 27E	77.7	190.8	2.181	-18.55	53.7	SO312	.04070	9.3591	0.4	A
9008	32622.70	52 26N	30 53E	73.7	190.7	2.181	0.35	54.5	SO312	.04070	9.9780	0.6	V
9009	32635.50	51 25N	30 7E	75.4	190.5	2.181	-11.55	55.3	SO312	.04070	9.6149	1.0	F
9010	32637.10	51 19N	30 5E	75.4	190.4	2.181	-11.55	55.4	SO312	.04070	9.6149	0.4	F
9011	32639.70	51 19N	30 5E	74.5	190.4	2.181	-11.20	55.4	SO312	.04070	9.8625	0.6	V
9012	32646.70	50 37N	30 12E	74.3	190.3	2.390	-1.05	56.1	SO312	.04070	9.7717	0.8	F
9013	32651.90	50 38N	30 13E	74.4	190.2	2.390	-0.35	56.1	SO312	.04070	9.7552	0.8	A
9014	32658.30	49 49N	30 2E	74.5	190.1	2.390	1.75	56.8	SO312	.04070	9.7552	0.8	F
9015	32663.50	49 50N	30 2E	74.6	190.1	2.390	2.45	56.8	SO312	.04070	9.7305	1.0	A
9016	32671.30	48 58N	29 31E	74.3	189.9	2.390	-4.90	57.5	SO312	.03070	9.7717	0.8	F
9017	32672.90	48 51N	29 29E	74.3	189.9	2.390	-4.90	57.6	SO312	.03070	9.7600	0.4	F
9018	32675.50	48 51N	29 29E	73.4	189.9	2.390	-4.55	57.6	SO312	.04070	10.0111	0.6	V
9019	32680.70	48 42N	29 13E	75.1	189.8	2.390	-10.85	57.6	SO312	.03070	9.6727	0.6	A
9020	32686.30	48 8N	29 9E	73.7	189.7	2.390	-7.70	58.1	SO312	.04070	9.9780	0.6	V
9021	32689.10	48 7N	29 9E	74.5	189.7	2.390	-7.35	58.1	SO312	.03070	9.7470	0.6	A
9022	32698.50	47 7N	28 43E	75.3	189.6	2.390	-11.90	58.9	SO312	.04070	9.6397	0.4	F
9023	32701.10	47 8N	28 43E	74.4	189.6	2.390	-11.55	58.9	SO312	.04070	9.8790	0.4	V
9024	32710.10	46 15N	29 12E	76.7	189.4	2.390	11.55	59.9	SO312	.03070	9.4911	0.4	F
9025	32716.30	45 58N	29 23E	79.3	189.4	2.181	19.60	60.2	SO312	.03070	9.2606	0.8	V
9026	32719.30	45 58N	29 23E	80.5	189.3	2.181	19.95	60.2	SO312	.03070	8.9877	0.8	A
9027	32726.10	45 20N	28 53E	75.5	189.3	2.390	10.50	60.6	SO312	.04070	9.7387	0.6	V
9028	32728.90	45 20N	28 53E	76.5	189.2	2.390	10.85	60.6	SO312	.04070	9.4746	0.6	A
9029	32733.10	44 52N	28 42E	75.1	189.2	2.390	9.45	61.0	SO312	.04070	9.7882	0.6	V
9030	32735.90	44 52N	28 42E	76.1	189.2	2.490	9.80	61.0	SO312	.03070	9.5241	0.6	A
9031	32744.50	44 16N	28 47E	77.1	189.1	2.390	12.60	61.5	SO312	.03070	9.4003	2.6	A
9032	32751.30	43 27N	28 11E	75.1	189.0	2.390	5.60	62.0	SO312	.02200	9.6892	0.8	F
9033	32754.10	43 26N	28 11E	74.3	189.0	2.390	5.95	62.1	SO312	.02200	9.8955	0.6	V
9034	32764.90	42 51N	26 37E	89.1	188.9	2.181	-36.40	62.0	SO312	.03070	8.2542	0.4	V
9035	32768.30	42 50N	26 37E	89.6	188.8	2.390	-36.05	62.0	SO312	.03070	8.1211	0.4	A
9036	32771.70	42 23N	26 34E	87.5	188.8	2.181	-34.65	62.4	SO312	.01650	8.4017	0.8	V
9037	32774.90	42 23N	26 35E	88.0	188.8	2.390	-34.30	62.4	SO312	.01650	8.2697	0.8	A
9038	32781.10	41 43N	26 34E	84.0	188.7	2.390	-30.80	62.9	SO312	.03070	8.7401	0.6	V
9039	32784.10	41 43N	26 34E	84.7	188.7	2.390	-30.45	62.9	SO312	.03070	8.5515	0.6	A
9040	32924.50	31 46N	25 6E	74.9	187.6	2.881	-2.45	69.7	SO312	.04070	9.7965	0.4	V
9041	32927.30	31 46N	25 5E	75.9	187.6	3.092	-2.45	69.7	SO312	.04070	9.5489	0.4	A
9042	33522.70	9 29S	16 22E	115.9	186.6	3.092	-38.15	54.1	SO312	.02200	6.1734	1.6	F
9043	33527.50	9 32S	16 22E	113.9	186.6	3.092	-37.45	54.1	SO312	.02200	6.3797	0.8	V
9044	33531.30	9 30S	16 21E	115.6	186.6	3.439	-37.80	54.1	SO312	.02200	6.2394	0.8	A
9045	33647.10	17 47S	15 43E	100.4	186.8	3.439	-11.55	47.3	SO312	.03070	7.2050	0.6	V
9046	33650.90	17 47S	15 43E	101.7	186.8	3.439	-10.85	47.3	SO312	.03070	7.0235	0.6	A
450 9001	37912.30	53 43N	7 55E	86.0	191.0	1.826	-32.55	53.1	SO312	.03070	8.5255	0.6	V
9002	37915.50	53 43N	7 54E	87.0	190.9	1.826	-32.55	53.1	SO312	.03070	8.3440	0.6	A
9003	37927.90	52 32N	8 33E	73.9	190.7	2.181	-7.00	54.4	SO312	.04070	9.9450	0.6	V
9004	37930.70	52 32N	8 33E	74.7	190.7	2.181	-6.65	54.4	SO312	.04070	9.7222	0.6	A
9005	38048.70	44 9N	5 30E	77.4	189.1	2.390	-19.60	61.2	SO312	.03070	9.3591	0.6	F
9006	38051.49	44 8N	5 30E	76.4	189.1	2.390	-19.25	61.2	SO312	.03070	9.6149	1.4	V
9007	38055.10	44 5N	5 29E	77.2	189.0	2.390	-18.90	61.3	SO312	.03070	9.4168	0.6	A
9008	38060.29	43 34N	4 58E	83.2	189.0	2.181	-29.75	61.5	SO312	.02200	8.8144	0.6	V
9009	38063.30	43 35N	4 58E	84.0	188.9	2.390	-29.75	61.5	SO312	.01650	8.6576	0.8	A
9010	38156.30	36 47N	3 7E	89.7	188.1	2.390	-35.35	66.2	SO312	.03070	8.0551	1.2	F
9011	38159.49	36 47N	3 7E	88.4	188.1	2.390	-35.00	66.2	SO312	.03070	8.3027	1.2	V
9012	38177.29	35 33N	2 53E	87.1	188.0	2.390	-33.95	67.0	SO312	.01650	8.4265	1.0	V
9013	38180.50	35 33N	2 53E	87.9	188.0	2.390	-33.60	67.0	SO312	.01650	8.2779	1.0	A
9014	38199.10	33 49N	2 51E	80.4	187.8	2.738	-24.15	68.2	SO312	.03070	9.0042	0.6	F
9015	38201.90	33 50N	2 51E	79.3	187.8	2.738	-23.80	68.2	SO312	.03070	9.2518	0.8	V
452 9001	49502.89	13 28S	48 44W	109.4	186.7	2.530	24.15	51.7	SO312	.02200	6.4953	1.4	A
9002	49509.69	14 26S	49 10W	102.6	186.7	3.092	15.05	50.7	SO312	.03070	7.0070	1.0	F
9003	49521.89	15 26S	48 28W	129.4	186.7	2.181	37.80	50.3	SO312	.02200	5.5709	1.4	F
9004	49527.09	15 50S	48 19W	138.0	186.7	2.181	41.65	50.0	SO312	.02200	5.2326	1.4	F
9005	49535.29	15 42S	48 40W	125.4	186.8	2.037	35.35	50.0	SO312	.02200	5.6452	0.6	A
9006	49540.09	16 19S	48 55W	118.5	186.8	2.037	31.85	49.3	SO312	.02200	6.0991	1.4	V
9007	49548.49	16 35S	49 13W	113.6	186.8	2.390	25.90	49.0	SO312	.02200	6.2394	1.4	A
9008	49575.09	18 24S	49 12W	125.5	186.9	2.037	33.60	47.5	SO312	.02200	5.6370	1.4	A
9009	49586.89	19 12S	48 55W	142.1	186.9	1.484	42.00	47.0	SO312	.02200	4.9850	1.0	A
9010	49602.09	20 14S	49 11W	139.7	186.9	1.690	40.25	46.0	SO312	.02200	5.0510	1.4	A
9011	49711.29	28 4S	52 25W	108.4	187.4	3.092	-4.90	37.9	SO312	.03070	6.5778	0.6	F
9012	49720.69	28 37S	53 35W	124.0	187.4	3.092	-31.15	37.0	SO312	.03070	5.7278	0.6	F
9013	49731.09	29 4S	53 12W	113.2	187.4	3.232	-19.60	36.8	SO312	.03070	6.3550	1.4	V
9014	49740.49	29 40S	53 41W	120.4	187.5	3.092	-27.65	36.1	SO312	.03070	5.9753	1.4	V
9015	49745.29	29 40S	53 49W	124.9	187.5	3.092	-30.10	36.0	SO312	.03070	5.7030	0.6	A
9016	49756.09	30 19S	54 18W	134.6	187.6	3.232	-36.75	35.2	SO312	.03070	5.2821	0.4	A
453 9001	54548.09	4 1N	68 10W	88.6	186.5	3.092	13.30	65.8	SO312	.03070	8.2284	0.8	V
9002	54557.09	3 24N	68 15W	89.2	186.5	3.092	14.00	65.3	SO312	.03070	8.1624	1.0	V
9003	54569.89	2 52N	69 20W	92.5	186.5	3.587	-23.80	64.2	SO312	.03070	7.7993	1.0	A
9004	54842.89	16 23S	71 49W	100.6	186.8	3.232	8.40	48.9	SO312	.02200	7.1390	1.2	F
9005	54849.29	16 49S	71 54W	101.8	186.8	3.092	8.75	48.5	SO312	.03070	7.0482	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
453 9006	54855.49	16 59S	72 6W	99.6	186.8	3.232	3.50	48.2	SO312	.04070	7.2628	0.6	V
9007	54859.49	17 0S	71 59W	102.3	186.8	3.232	8.05	48.3	SO312	.03070	6.9492	1.0	A
454 9001	59607.89	20 42N	88 11W	84.0	187.0	3.092	-23.80	72.0	SO312	.03070	8.5998	0.4	F
9002	59613.89	20 42N	88 11W	83.6	186.9	3.092	-22.75	72.1	SO312	.03070	8.6741	0.4	A
9003	59642.09	18 31N	88 18W	79.4	186.9	3.092	-11.90	72.1	SO312	.03070	9.2270	0.4	V
9004	59644.89	18 31N	88 18W	80.3	186.8	3.439	-11.90	72.1	SO312	.03070	9.0124	0.6	A
9005	59653.09	17 32N	88 10W	79.7	186.8	3.232	0.00	72.2	SO312	.03070	9.1032	0.8	F
9006	59661.69	17 13N	89 2W	88.7	186.8	3.232	-30.10	71.4	SO312	.03070	8.2449	0.6	V
9007	59664.89	17 13N	89 1W	89.3	186.8	3.232	-29.40	71.4	SO312	.02200	8.1129	0.6	A
9008	59682.29	15 43N	88 37W	79.5	186.8	3.232	-3.85	71.6	SO312	.04070	9.2105	0.8	V
9009	59685.29	15 43N	88 37W	80.5	186.7	3.439	-3.85	71.6	SO312	.04070	8.9712	0.8	A
9010	59694.29	14 50N	88 9W	87.5	186.7	2.881	21.00	71.9	SO312	.03070	8.3687	0.8	V
455 9001	64662.89	37 44N	106 21W	74.0	188.2	2.738	-10.50	66.1	SO312	.02200	9.8047	0.6	F
9002	64668.09	37 44N	106 21W	74.0	188.2	2.738	-9.45	66.1	SO312	.02200	9.8212	0.8	A
9003	64699.49	35 11N	106 35W	74.6	188.0	2.738	3.15	68.0	SO312	.02200	9.7552	0.6	F
9004	64702.09	35 11N	106 36W	73.7	188.0	2.738	3.15	68.0	SO312	.02200	9.9615	0.6	V
9005	64704.89	35 11N	106 37W	74.7	187.9	2.738	3.15	68.0	SO312	.02200	9.6974	0.6	A
9006	64821.69	26 47N	108 31W	76.4	187.3	3.092	-1.40	71.8	SO312	.03070	9.4994	1.0	F
9007	64824.49	26 47N	108 32W	75.6	187.3	3.092	-1.40	71.8	SO312	.03070	9.7057	0.8	V
9008	64828.29	26 31N	108 34W	74.4	187.3	3.092	-1.05	71.9	SO312	.03070	9.8625	0.6	V
9009	64830.89	26 32N	108 34W	75.4	187.3	3.092	-0.70	71.9	SO312	.03070	9.6067	0.8	A
456 9001	70829.89	21 45S	138 51W	109.1	187.0	2.881	15.75	44.1	SO312	.03070	6.5861	1.2	F
9002	70833.89	21 46S	138 50W	108.5	187.0	2.881	16.45	44.1	SO312	.03070	6.6603	2.0	V
9003	70839.29	21 51S	138 51W	110.5	187.0	2.881	16.80	44.0	SO312	.03070	6.4293	1.6	A
460 9001	5531.69	12 14S	133 21E	99.4	186.7	3.439	-18.90	52.0	SO312	.03070	7.2958	1.2	V
9002	5535.49	12 15S	133 20E	100.7	186.7	3.439	-18.55	52.0	SO312	.03070	7.1225	1.2	A
461 5001	9991.49	46 2N	122 28E	83.7	189.4	2.037	-29.40	59.8	SO255	.02210	8.6584	0.4	F
5002	9997.89	45 46N	122 40E	77.9	189.3	2.390	-21.70	60.1	SO255	.02210	9.4343	0.6	V
9001	9880.69	53 46N	127 13E	86.6	191.0	1.690	28.35	53.8	SO312	.02200	8.3605	0.4	A
9002	9901.69	52 27N	125 26E	74.6	190.6	2.037	-3.85	54.7	SO312	.03070	9.7387	0.6	A
9003	9968.09	47 38N	122 58E	82.9	189.7	2.037	-28.35	58.5	SO312	.03070	8.7318	0.6	F
9004	9971.09	47 37N	122 58E	81.7	189.6	2.037	-28.00	58.5	SO312	.03070	8.9877	0.6	V
9005	9973.09	47 29N	122 55E	81.8	189.6	2.037	-28.00	58.6	SO312	.03070	8.9794	0.4	V
9006	9976.09	47 29N	122 55E	82.8	189.6	2.037	-28.00	58.6	SO312	.03070	8.7896	0.4	A
9007	9991.49	46 2N	122 28E	83.7	189.4	2.037	-29.40	59.8	SO312	.03070	8.6576	0.4	F
9008	9997.89	45 46N	122 40E	77.9	189.3	2.390	-21.70	60.1	SO312	.03070	9.4334	0.6	V
9009	10000.69	45 46N	122 40E	78.6	189.3	2.390	-21.35	60.1	SO312	.03070	9.2518	0.6	A
9010	10055.49	41 34N	122 11E	74.4	188.7	2.738	-1.05	63.6	SO312	.03070	9.7717	0.4	F
9011	10060.69	41 37N	121 48E	75.9	188.7	2.738	-14.00	63.4	SO312	.02200	9.5737	0.4	A
9012	10064.89	41 22N	121 32E	78.2	188.6	2.738	-20.30	63.5	SO312	.02200	9.3013	2.0	A
9013	10072.09	40 43N	120 53E	86.9	188.6	2.530	-34.30	63.7	SO312	.03070	8.4595	0.8	V
9014	10075.29	40 43N	120 53E	87.7	188.5	2.530	-33.95	63.8	SO312	.03070	8.3192	0.8	A
9015	10175.49	33 19N	120 14E	75.4	187.8	2.738	1.05	69.1	SO312	.03070	9.6314	0.4	F
9016	10181.89	33 13N	120 29E	78.0	187.8	2.738	11.90	69.3	SO312	.03070	9.2765	0.4	A
9017	10195.89	31 58N	119 14E	81.9	187.7	2.738	-25.20	69.3	SO312	.03070	8.8474	0.6	F
9018	10198.69	31 59N	119 14E	80.8	187.7	2.738	-24.85	69.3	SO312	.03070	9.0867	0.6	V
9019	10207.09	31 20N	119 45E	74.6	187.6	3.092	-1.05	70.1	SO312	.03070	9.8460	0.6	V
9020	10215.09	30 56N	120 2E	79.3	187.6	2.881	14.00	70.6	SO312	.02200	9.1197	0.8	A
9021	10304.29	24 29N	118 4E	78.1	187.2	3.092	-11.90	72.1	SO312	.04070	9.2765	0.6	F
9022	10307.09	24 29N	118 4E	77.3	187.1	3.092	-11.55	72.1	SO312	.04070	9.4994	0.6	V
462 5001	15213.69	52 13N	104 6E	80.2	190.6	2.037	19.60	55.1	SO255	.02210	9.0546	0.6	A
9001	14994.49	66 29N	112 26E	84.6	196.7	1.338	23.45	41.9	SO312	.02200	8.5915	0.6	F
9002	14997.49	66 29N	112 25E	83.5	196.5	1.338	23.45	41.9	SO312	.02200	8.7979	0.6	V
9003	15135.29	57 17N	106 33E	82.7	192.1	1.690	25.20	50.6	SO312	.03070	8.8804	0.8	V
9004	15138.49	57 17N	106 33E	84.0	192.0	1.690	25.55	50.6	SO312	.03070	8.6246	0.8	A
9005	15145.89	56 50N	105 47E	77.9	191.9	1.826	13.65	50.9	SO312	.02200	9.3178	1.0	A
9006	15197.89	52 50N	104 44E	86.2	190.9	2.037	28.00	54.6	SO312	.02200	8.4512	0.4	F
9007	15201.29	52 37N	104 33E	84.4	190.8	2.037	25.55	54.8	SO312	.02200	8.6246	0.6	F
9008	15207.29	52 25N	104 26E	82.9	190.7	2.037	25.20	54.9	SO312	.03070	8.8721	0.4	V
9009	15209.09	52 18N	104 23E	82.9	190.7	2.037	25.20	55.0	SO312	.03070	8.8639	0.4	V
9010	15213.69	52 13N	104 6E	80.1	190.6	2.037	19.60	55.1	SO312	.03070	9.0537	0.6	A
9011	15367.49	41 22N	100 20E	75.8	188.7	2.530	10.15	63.9	SO312	.03070	9.6067	0.4	F
9012	15370.09	41 22N	100 20E	75.1	188.7	2.530	10.50	63.9	SO312	.03070	9.7882	1.6	V
9013	15373.89	41 18N	100 19E	76.1	188.6	2.530	10.85	63.9	SO312	.03070	9.5241	0.6	A
9014	15378.89	40 48N	99 55E	73.2	188.6	2.738	1.05	64.2	SO312	.03070	10.0358	0.4	V
9015	15381.69	40 48N	99 54E	74.1	188.6	2.738	1.40	64.2	SO312	.03070	9.7882	0.4	A
9016	15394.29	39 38N	98 52E	79.7	188.5	2.530	-24.50	64.7	SO312	.03070	9.0702	0.6	F
9017	15400.29	39 36N	98 54E	78.8	188.4	2.738	-22.75	64.7	SO312	.03070	9.2353	0.4	A
9018	15412.09	38 14N	99 60E	83.0	188.3	2.530	25.20	66.4	SO312	.03070	8.7731	0.4	F
9019	15415.09	38 14N	100 0E	82.5	188.3	2.530	25.90	66.4	SO312	.03070	8.8969	1.2	V
9020	15418.89	38 11N	99 59E	83.8	188.3	2.181	26.60	66.4	SO312	.03070	8.6163	0.6	A
9021	15446.89	36 25N	98 4E	79.6	188.0	2.738	-25.55	66.8	SO312	.03070	9.1362	0.4	A
9022	15591.29	26 23N	96 44E	77.6	187.2	3.092	4.90	72.1	SO312	.03070	9.3261	1.0	A
9023	15638.29	23 7N	96 40E	89.1	187.1	2.530	26.60	73.2	SO312	.02200	8.0964	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
463 5001	20475.09	55 5N	82 60E	78.3	191.4	2.037	15.40	52.5	S0255	.01660	9.2774	0.4	F
5002	20480.69	55 5N	83 0E	78.8	191.3	1.826	16.45	52.5	S0255	.01660	9.2114	0.6	A
5003	20552.29	50 2N	78 56E	93.7	190.1	1.690	-38.85	56.4	S0255	.02210	7.7257	1.0	F
5004	20555.69	50 1N	78 57E	92.2	190.1	1.690	-38.50	56.4	S0255	.02210	7.9650	0.8	V
9001	20474.89	55 6N	82 60E	78.4	191.5	2.037	15.40	52.5	S0312	.02200	9.2765	0.6	F
9002	20480.49	55 6N	83 1E	78.8	191.3	1.826	16.45	52.5	S0312	.02200	9.2105	0.6	A
9003	20528.29	51 42N	81 13E	74.0	190.5	2.181	4.20	55.4	S0312	.04070	9.9285	0.4	V
9004	20530.89	51 43N	81 13E	75.0	190.5	2.181	4.55	55.4	S0312	.04070	9.6809	0.6	A
9005	20544.29	50 34N	79 12E	91.7	190.3	1.690	-37.10	56.0	S0312	.02200	7.8900	0.6	F
9006	20547.69	50 33N	79 12E	90.2	190.2	1.690	-36.75	56.0	S0312	.02200	8.1376	0.6	V
9007	20555.69	50 1N	78 57E	92.2	190.1	1.690	-38.50	56.4	S0312	.03070	7.9643	0.8	V
9008	20558.89	50 2N	78 56E	93.3	190.0	1.690	-38.50	56.4	S0312	.03070	7.7993	1.0	A
9009	20573.29	48 46N	80 52E	82.1	189.8	2.037	23.45	58.1	S0312	.03070	8.8391	0.4	A
9010	20578.89	48 0N	80 28E	79.3	189.8	2.390	18.55	58.7	S0312	.03070	9.1940	1.4	F
9011	20585.09	47 59N	80 23E	78.8	189.7	2.181	17.50	58.7	S0312	.03070	9.1940	0.4	A
9012	20627.29	45 1N	78 21E	75.9	189.2	2.390	-17.85	60.8	S0312	.03070	9.6809	0.4	V
9013	20632.49	44 30N	77 57E	80.5	189.1	2.390	-25.55	61.1	S0312	.03070	8.9959	0.6	F
9014	20635.29	44 30N	77 57E	79.6	189.1	2.390	-25.55	61.1	S0312	.03070	9.2270	0.6	V
9015	20638.29	44 30N	77 57E	80.4	189.1	2.390	-25.20	61.1	S0312	.03070	9.0620	0.6	A
9016	20647.09	43 45N	77 7E	93.9	189.0	2.037	-40.25	61.4	S0312	.02200	7.8158	0.8	V
9017	20650.49	43 46N	77 7E	94.6	188.9	2.037	-39.90	61.4	S0312	.02200	7.7085	0.8	A
9018	20856.29	29 9N	75 50E	87.4	187.4	2.530	27.65	71.7	S0312	.02200	8.4100	1.0	V
9019	20859.49	29 9N	75 50E	88.9	187.4	2.530	28.00	71.7	S0312	.02200	8.1294	1.0	A
9020	20953.49	22 25N	73 10E	82.6	187.0	3.092	-22.05	72.1	S0312	.03070	8.7566	1.0	F
9021	20959.49	22 24N	73 9E	82.4	187.0	3.232	-21.35	72.1	S0312	.03070	8.8061	0.8	A
9022	20990.49	19 56N	73 50E	86.3	186.9	2.738	22.75	73.1	S0312	.03070	8.4925	1.0	V
9023	20993.69	19 56N	73 49E	87.7	186.9	2.738	23.10	73.1	S0312	.02200	8.2119	1.0	A
9024	21010.09	18 34N	73 46E	92.5	186.9	2.530	29.40	73.1	S0312	.02200	7.9313	0.8	V
9025	21013.49	18 34N	73 46E	94.1	186.9	2.530	29.75	73.2	S0312	.02200	7.6507	0.8	A
464 5001	25739.89	58 11N	60 57E	77.4	192.4	1.690	-16.10	49.5	S0255	.03080	9.3517	0.6	F
5002	25762.69	56 48N	60 36E	74.6	191.9	1.826	-9.45	50.8	S0255	.03080	9.8470	0.6	V
5003	25777.49	55 45N	60 34E	74.0	191.6	2.037	1.05	51.8	S0255	.03080	9.9377	0.4	V
5004	25781.69	55 29N	60 13E	73.9	191.5	2.037	-5.25	52.0	S0255	.03080	9.9460	0.6	V
9001	25618.49	66 39N	66 24E	76.9	196.4	1.338	-7.70	41.7	S0312	.04070	9.4334	0.4	A
9002	25739.89	58 11N	60 56E	77.5	192.4	1.690	-16.10	49.5	S0312	.04070	9.3508	0.6	F
9003	25742.69	58 11N	60 56E	76.5	192.3	1.690	-15.75	49.5	S0312	.04070	9.6067	0.6	V
9004	25747.09	57 54N	60 32E	79.1	192.2	1.690	-22.05	49.7	S0312	.04070	9.2848	0.8	V
9005	25750.09	57 54N	60 32E	79.8	192.2	1.690	-21.70	49.7	S0312	.04070	9.1032	0.8	A
9006	25758.69	56 53N	60 39E	75.5	192.0	1.826	-9.45	50.7	S0312	.04070	9.6067	0.6	F
9007	25761.29	56 53N	60 38E	74.6	191.9	1.826	-9.45	50.7	S0312	.04070	9.8460	0.8	V
9008	25768.09	56 13N	60 40E	74.0	191.8	2.037	-1.75	51.4	S0312	.04070	9.8212	0.8	F
9009	25773.49	56 12N	60 41E	74.0	191.7	2.037	-1.05	51.4	S0312	.04070	9.8130	0.8	A
9010	25777.29	55 45N	60 35E	74.0	191.6	2.037	1.05	51.8	S0312	.04070	9.9368	0.6	V
9011	25781.69	55 29N	60 13E	73.9	191.5	2.037	-5.25	52.0	S0312	.04070	9.9460	0.6	V
9012	25787.49	55 8N	59 43E	75.4	191.4	2.037	-14.35	52.3	S0312	.04070	9.7387	0.6	V
9013	25790.29	55 8N	59 43E	76.2	191.3	2.037	-14.00	52.3	S0312	.04070	9.5406	0.6	A
9014	25806.49	53 24N	60 58E	90.4	191.0	2.037	32.20	54.2	S0312	.02200	8.0634	0.4	F
9015	25811.09	53 10N	60 25E	82.4	190.9	2.037	23.10	54.3	S0312	.03070	8.8309	0.4	F
9016	25813.49	52 60N	60 22E	82.7	190.9	2.037	23.45	54.4	S0312	.03070	8.6144	1.0	F
9017	25816.49	52 60N	60 22E	81.9	190.8	2.037	23.80	54.4	S0312	.03070	8.9712	0.4	V
9018	25821.09	52 38N	60 37E	89.2	190.8	1.826	32.20	54.8	S0312	.03070	8.2532	0.6	V
9019	25824.49	52 38N	60 37E	90.7	190.7	1.826	32.55	54.8	S0312	.03070	7.9973	0.4	A
9020	25841.49	51 3N	59 53E	87.5	190.4	2.037	29.40	56.2	S0312	.03070	8.3357	0.8	F
9021	25844.49	51 4N	59 52E	86.5	190.4	2.037	29.40	56.2	S0312	.03070	8.5008	0.8	V
9022	25848.89	50 47N	59 36E	83.4	190.3	2.037	25.90	56.4	S0312	.03070	8.8061	0.6	V
9023	25852.09	50 46N	59 36E	84.8	190.3	1.826	26.60	56.4	S0312	.03070	8.5420	0.6	A
9024	26149.49	30 9N	52 37E	78.9	187.5	2.881	-21.00	70.3	S0312	.03070	9.1693	0.6	F
9025	26155.69	29 44N	52 36E	77.6	187.5	2.881	-18.55	70.5	S0312	.03070	9.3261	0.6	F
9026	26158.49	29 43N	52 36E	76.7	187.5	2.881	-18.20	70.5	S0312	.03070	9.5654	0.6	V
465 5001	30976.29	62 59N	41 25E	77.6	194.4	1.484	-14.35	45.1	S0255	.03080	9.3352	0.6	F
5002	30978.89	62 60N	41 25E	76.8	194.4	1.484	-14.35	45.1	S0255	.03080	9.5581	0.6	V
5003	31073.09	56 27N	38 11E	76.2	191.8	1.826	-13.30	51.1	S0255	.03080	9.5003	0.6	F
5004	31081.29	55 56N	37 25E	82.0	191.7	1.690	-25.90	51.5	S0255	.02210	8.8235	0.6	F
5005	31088.49	55 38N	37 23E	79.8	191.5	1.690	-23.80	51.8	S0255	.03080	9.2031	0.4	V
5006	31091.29	55 39N	37 23E	80.6	191.5	1.690	-23.45	51.8	S0255	.03080	9.0463	0.4	A
5007	31093.49	55 30N	37 20E	80.6	191.4	1.690	-23.45	51.9	S0255	.03080	9.0463	0.4	A
5008	31106.09	54 6N	38 13E	76.8	191.2	2.181	11.90	53.4	S0255	.03080	9.4755	0.4	F
5009	31111.49	54 6N	38 14E	77.2	191.1	2.037	12.95	53.4	S0255	.03080	9.4012	1.0	A
9001	30806.29	73 50N	54 47E	83.1	204.5	0.995	18.90	34.7	S0312	.04070	8.7318	0.8	F
9002	30809.29	73 49N	54 47E	82.3	204.2	0.995	19.25	34.7	S0312	.04070	8.9217	0.8	V
9003	30815.49	73 22N	54 39E	86.5	203.6	0.995	25.55	35.1	S0312	.04070	8.4925	0.8	V
9004	30818.69	73 22N	54 37E	87.3	203.3	0.787	25.55	35.1	S0312	.04070	8.2944	0.8	A
9005	30978.89	62 60N	41 25E	76.8	194.4	1.484	-14.35	45.1	S0312	.04070	9.5571	0.6	V
9006	30981.69	62 60N	41 25E	77.5	194.3	1.484	-14.00	45.1	S0312	.04070	9.3591	0.6	A
9007	31032.69	59 14N	38 51E	82.4	192.8	1.484	-25.55	48.5	S0312	.04070	8.7814	1.0	F
9008	31035.89	59 13N	38 50E	81.4	192.7	1.484	-25.55	48.5	S0312	.04070	9.0124	0.8	V
9009	31048.09	58 11N	40 12E	77.8	192.4	1.826	15.75	49.7	S0312	.04070	9.4499	0.4	V
9010	31054.09	57 35N	39 57E	79.0	192.3	1.826	16.45	50.3	S0312	.04070	9.2105	0.4	F
9011	31056.89	57 35N	39 56E	78.1	192.2	1.826	16.45	50.3	S0312	.04070	9.4168	0.4	V
9012	31063.09	56 59N	39 39E	78.9	192.0	2.037	16.10	50.8	S0312	.04070	9.2188	1.4	F
9013	31073.09	56 27N	38 11E	76.3	191.8	1.826	-13.30	51.1	S0312	.04070	9.4994	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
465 9014	31075.69	56 27N	38 12E	75.3	191.8	1.826	-12.95	51.1	S0312	.04070	9.7470	0.6	V
9015	31081.09	55 57N	37 25E	82.1	191.7	1.690	-25.90	51.5	S0312	.03070	8.8226	0.6	F
9016	31085.09	55 40N	37 25E	80.7	191.6	1.690	-23.80	51.7	S0312	.03070	8.9712	0.8	F
9017	31087.89	55 40N	37 24E	79.8	191.5	1.690	-23.80	51.7	S0312	.04070	9.2023	0.8	V
9018	31093.29	55 30N	37 20E	80.5	191.4	1.690	-23.45	51.9	S0312	.03070	9.0455	0.6	A
9019	31100.49	54 54N	38 3E	74.7	191.3	2.037	0.00	52.6	S0312	.04070	9.7222	0.4	A
9020	31105.89	54 7N	38 13E	76.8	191.2	2.181	11.90	53.4	S0312	.04070	9.4746	0.6	F
9021	31111.29	54 7N	38 14E	77.2	191.1	2.037	12.95	53.4	S0312	.04070	9.4003	1.2	A
9022	31113.09	53 60N	38 11E	77.2	191.0	2.037	12.95	53.5	S0312	.04070	9.3921	0.4	A
9023	31128.49	52 57N	36 2E	85.0	190.8	1.826	-31.50	54.0	S0312	.03070	8.6246	0.6	V
9024	31131.69	52 56N	36 2E	85.8	190.7	2.037	-31.50	54.1	S0312	.03070	8.4843	0.6	A
9025	31146.69	51 42N	35 37E	84.6	190.5	1.826	-31.15	55.1	S0312	.03070	8.6658	0.6	V
9026	31158.09	50 36N	36 38E	75.0	190.3	2.390	4.90	56.4	S0312	.04070	9.8892	0.4	F
9027	31160.89	50 36N	36 38E	74.2	190.3	2.181	5.25	56.4	S0312	.04070	9.9120	0.4	V
9028	31166.09	50 4N	36 17E	74.4	190.2	2.390	0.00	56.8	S0312	.04070	9.7717	0.6	F
9029	31168.69	50 4N	36 16E	73.5	190.1	2.390	0.00	56.8	S0312	.04070	9.9946	1.0	V
9030	31171.89	50 2N	36 16E	74.4	190.1	2.390	0.35	56.8	S0312	.04070	9.7552	1.0	A
9031	31181.89	48 56N	36 22E	77.4	190.0	2.390	13.65	57.9	S0312	.03070	9.4086	0.6	F
9032	31184.69	48 56N	36 22E	76.5	189.9	2.181	14.00	57.9	S0312	.03070	9.6067	0.6	V
9033	31189.29	48 28N	35 58E	75.3	189.9	2.390	6.65	58.2	S0312	.03070	9.6562	0.6	F
9034	31191.89	48 28N	35 58E	74.5	189.8	2.390	7.00	58.2	S0312	.03070	9.8625	0.6	V
9035	31198.29	47 54N	35 19E	74.6	189.7	2.390	-7.70	58.6	S0312	.03070	9.7305	0.8	F
9036	31203.69	47 54N	35 19E	74.6	189.7	2.390	-7.00	58.6	S0312	.03070	9.7387	0.8	A
9037	31212.29	46 55N	35 19E	74.5	189.6	2.530	1.40	59.5	S0312	.03070	9.7552	0.8	F
9038	31217.69	46 54N	35 18E	74.6	189.5	2.390	2.10	59.5	S0312	.03070	9.7305	0.8	A
9039	31232.09	45 24N	35 53E	88.5	189.3	2.181	30.45	61.0	S0312	.03070	8.2532	1.0	F
9040	31238.29	45 2N	35 24E	81.4	189.3	2.390	21.35	61.2	S0312	.04070	8.9464	0.6	F
9041	31241.09	45 3N	35 24E	80.6	189.2	2.181	21.70	61.2	S0312	.04070	9.1280	0.8	V
9042	31244.49	45 1N	35 24E	82.0	189.2	2.181	22.40	61.2	S0312	.04070	8.8391	1.2	A
9043	31440.69	31 20N	30 3E	97.4	187.6	2.181	-40.60	69.3	S0312	.01650	7.3949	0.4	F
9044	31444.29	31 19N	30 3E	96.1	187.6	2.390	-40.60	69.3	S0312	.01650	7.6342	0.4	V
9045	31450.69	30 51N	30 12E	88.7	187.6	2.530	-34.30	69.7	S0312	.01650	8.2614	0.8	V
9046	31453.89	30 51N	30 12E	89.6	187.5	2.738	-34.30	69.7	S0312	.01650	8.1211	1.0	A
9047	31474.49	28 60N	31 42E	91.1	187.4	2.390	31.50	71.8	S0312	.01650	8.0468	0.8	V
9048	31477.89	28 60N	31 42E	92.7	187.4	2.390	31.85	71.9	S0312	.01650	7.7828	0.8	A
9049	32023.09	8 43S	25 2E	116.7	186.6	2.181	34.65	56.0	S0312	.02200	6.2312	0.6	V
9050	32027.49	8 43S	25 2E	119.0	186.6	2.181	35.00	56.0	S0312	.02200	5.9836	0.6	A
466 9001	36446.09	52 13N	13 49E	82.5	190.6	2.037	-28.70	54.7	S0312	.03070	8.8969	1.0	V
9002	36459.09	51 6N	13 47E	78.5	190.4	2.037	-20.65	55.8	S0312	.03070	9.2270	0.8	F
9003	36461.89	51 6N	13 47E	77.5	190.3	2.037	-20.30	55.8	S0312	.03070	9.4829	0.8	V
9004	36467.29	50 31N	13 51E	75.6	190.3	2.181	-13.65	56.3	S0312	.03070	9.5819	0.6	F
9005	36470.09	50 31N	13 51E	74.7	190.2	2.181	-13.30	56.3	S0312	.04070	9.8377	0.4	V
9006	36475.49	50 6N	14 6E	73.3	190.1	2.390	-2.10	56.8	S0312	.04070	10.0193	0.6	V
9007	36478.29	50 6N	14 6E	74.2	190.1	2.390	-1.75	56.8	S0312	.04070	9.7800	0.6	A
9008	36481.49	49 41N	13 60E	73.2	190.1	2.390	-1.05	57.1	S0312	.04070	10.0358	0.4	V
9009	36484.09	49 42N	13 60E	74.1	190.0	2.390	-0.70	57.1	S0312	.04070	9.7965	0.4	A
9010	36493.89	48 45N	14 30E	80.5	189.9	2.181	22.05	58.1	S0312	.03070	9.1445	0.4	V
9011	36496.89	48 45N	14 30E	81.7	189.8	2.181	22.40	58.1	S0312	.03070	8.8804	0.4	A
9012	36512.09	47 49N	13 3E	75.2	189.6	2.390	-11.20	58.6	S0312	.02200	9.6562	0.6	A
9013	36535.09	45 54N	13 55E	87.8	189.4	2.037	30.80	60.6	S0312	.03070	8.3687	0.4	V
9014	36538.29	45 54N	13 55E	89.3	189.3	2.037	31.15	60.6	S0312	.03070	8.1046	0.4	A
9015	36569.09	43 48N	11 14E	83.4	189.0	2.181	-30.10	61.6	S0312	.02200	8.8226	0.6	V
9016	36572.29	43 48N	11 15E	84.0	189.0	2.390	-29.75	61.6	S0312	.02200	8.6658	0.6	A
9017	36661.09	37 16N	9 56E	79.4	188.2	2.530	-21.70	66.4	S0312	.03070	9.1197	0.6	F
9018	36663.89	37 16N	9 55E	78.4	188.2	2.738	-21.70	66.4	S0312	.03070	9.3673	0.6	V
9019	36681.09	36 20N	9 20E	86.5	188.0	2.530	-32.20	66.8	S0312	.03070	8.3935	0.4	A
468 9001	47860.69	2 50S	40 6W	122.9	186.5	1.826	40.25	51.1	S0312	.02200	5.7938	1.4	A
9002	47986.29	11 23S	42 31W	99.7	186.6	3.092	12.95	53.2	S0312	.03070	7.1473	1.4	A
9003	48055.49	16 27S	45 22W	132.0	186.8	2.881	-43.40	47.6	S0312	.02200	5.3811	1.4	F
9004	48061.89	16 36S	45 3W	118.2	186.8	3.092	-36.05	47.7	S0312	.02200	6.1239	0.6	V
9005	48068.69	16 47S	45 2W	117.8	186.8	3.439	-34.65	47.6	S0312	.02200	6.0909	0.8	A
9006	48086.09	18 11S	43 39W	106.1	186.9	2.881	15.40	47.2	S0312	.03070	6.6934	1.4	A
9007	48102.49	19 9S	45 1W	107.7	186.9	3.439	-22.05	45.7	S0312	.03070	6.6356	1.4	A
9008	48112.49	20 9S	44 52W	102.4	186.9	3.439	-12.25	44.9	S0312	.03070	7.0647	1.0	V
9009	48122.69	20 23S	45 60W	128.7	187.0	3.232	-39.55	44.2	S0312	.02200	5.5792	1.4	A
9010	48127.69	20 40S	46 20W	138.7	187.0	3.232	-44.45	43.8	S0312	.02200	5.1831	1.2	A
469 5001	53724.09	41 10S	70 52W	120.3	188.6	2.530	5.95	25.5	S0255	.02210	5.8933	1.4	F
5002	53728.49	41 10S	70 52W	119.5	188.6	2.530	6.30	25.5	S0255	.02210	5.9923	1.4	V
5003	53732.89	41 10S	70 52W	121.4	188.7	2.530	6.65	25.5	S0255	.02210	5.8025	1.4	A
9001	53529.89	27 37S	66 20W	147.1	187.3	1.484	40.25	39.0	S0312	.02200	4.7952	1.4	A
9002	53584.89	31 33S	68 32W	112.8	187.6	2.738	9.10	34.7	S0312	.03070	6.3715	1.4	V
9003	53595.89	32 30S	69 20W	111.7	187.7	3.092	-7.00	33.5	S0312	.03070	6.3797	1.4	F
9004	53598.09	32 39S	69 22W	112.9	187.7	3.092	-7.00	33.4	S0312	.03070	6.3055	0.8	F
9005	53606.69	32 48S	70 36W	130.6	187.7	3.092	-33.60	32.8	S0312	.03070	5.5049	0.6	V
9006	53610.49	32 42S	70 43W	135.7	187.8	3.092	-35.70	32.8	S0312	.03070	5.2491	1.0	A
9007	53615.49	33 25S	70 39W	128.8	187.8	3.092	-31.85	32.2	S0312	.03070	5.5792	2.8	V
9008	53620.49	33 25S	70 40W	130.3	187.8	3.092	-31.50	32.2	S0312	.03070	5.4554	2.8	A
9009	53632.89	35 2S	69 32W	114.3	187.9	2.881	2.45	31.3	S0312	.03070	6.2312	1.4	F
9010	53644.09	34 58S	71 14W	136.2	188.0	3.092	-34.65	30.7	S0312	.03070	5.2161	0.6	A
9011	53658.09	36 33S	72 2W	149.4	188.1	2.530	-40.95	29.0	S0312	.02200	4.7374	0.8	F
9012	53672.09	37 9S	72 3W	143.5	188.2	2.738	-38.50	28.5	S0312	.03070	5.0015	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
469 9013	53680.49	38 7S	71 25W	125.2	188.2	2.881	-23.45	27.9	S0312	.03070	5.0617	0.8	F
9014	53687.89	38 12S	72 19W	143.8	188.3	2.738	-38.15	27.5	S0312	.03070	4.9850	1.0	V
9015	53692.09	38 29S	72 23W	143.7	188.3	2.738	-37.80	27.3	S0312	.03070	4.9850	0.8	V
9016	53698.29	39 17S	72 12W	136.0	188.4	2.738	-31.85	26.7	S0312	.03070	5.1996	1.0	F
9017	53709.69	40 8S	71 20W	120.0	188.5	2.738	-10.15	26.2	S0312	.03070	5.9093	0.6	F
9018	53714.29	39 52S	71 4W	119.5	188.5	2.738	-4.90	26.6	S0312	.03070	5.9011	1.4	A
9019	53716.89	40 3S	71 7W	119.3	188.5	2.738	-4.90	26.4	S0312	.04070	5.9176	0.8	A
9020	53723.89	41 10S	70 52W	120.4	188.6	2.530	5.95	25.5	S0312	.03070	5.8928	1.4	F
9021	53728.29	41 10S	70 52W	119.5	188.6	2.530	6.30	25.5	S0312	.03070	5.9919	1.4	V
9022	53732.89	41 10S	70 52W	121.4	188.7	2.530	6.65	25.5	S0312	.03070	5.8020	1.4	A
470 5001	57856.89	38 56N	76 59W	78.9	188.4	2.530	16.45	65.9	S0255	.01660	9.2362	1.2	F
5002	57862.69	38 55N	76 60W	79.5	188.3	2.530	17.15	65.9	S0255	.01660	9.1289	1.2	A
5003	58010.49	28 30N	80 34W	84.0	187.4	2.738	-27.30	70.8	S0255	.01660	8.6006	1.2	F
5004	58016.49	28 30N	80 34W	83.7	187.4	2.881	-26.60	70.9	S0255	.01660	8.6831	1.2	A
9001	57856.89	38 55N	76 59W	78.9	188.4	2.530	16.45	65.9	S0312	.02200	9.2353	1.2	F
9002	57862.49	38 56N	76 59W	79.4	188.3	2.530	17.15	65.9	S0312	.02200	9.1280	1.2	A
9003	58010.49	28 29N	80 34W	84.1	187.4	2.738	-27.30	70.8	S0312	.02200	8.5994	1.2	F
9004	58016.49	28 29N	80 34W	83.7	187.4	2.881	-26.60	70.9	S0312	.02200	8.6823	1.2	A
9005	58043.69	26 19N	80 7W	77.1	187.3	3.092	6.30	72.2	S0312	.02200	9.5159	7.4	V
9006	58088.49	23 7N	81 33W	83.8	187.1	3.092	-24.85	72.1	S0312	.03070	8.6246	0.8	F
9007	58090.09	22 60N	81 34W	83.8	187.1	3.092	-24.85	72.1	S0312	.03070	8.6246	0.6	F
9008	58103.09	22 10N	80 27W	87.0	187.0	2.738	24.50	73.3	S0312	.03070	8.4182	0.4	V
9009	58106.29	22 10N	80 27W	88.6	187.0	2.530	25.20	73.3	S0312	.03070	8.1459	0.4	A
471 9001	63360.29	25 33N	103 20W	85.3	187.2	2.881	-30.10	71.6	S0312	.03070	8.5915	0.4	V
9002	63363.49	25 43N	103 21W	86.2	187.2	3.092	-30.10	71.6	S0312	.03070	8.4265	0.4	A
9003	63395.29	22 47N	102 34W	83.0	187.1	2.881	19.25	73.1	S0312	.03070	8.7896	0.4	F
9004	63401.09	22 48N	102 35W	83.5	187.0	2.738	19.95	73.1	S0312	.03070	8.6411	0.6	A
9005	63426.49	20 42N	103 22W	79.2	187.0	3.232	4.20	72.8	S0312	.03070	9.1775	0.6	F
9006	63429.29	20 42N	103 22W	78.4	186.9	3.232	4.55	72.8	S0312	.03070	9.3508	0.6	V
9007	63433.69	20 35N	103 19W	79.5	186.9	3.232	8.05	72.8	S0312	.03070	9.0867	1.4	A
9008	63441.29	19 53N	103 36W	77.3	186.9	3.232	1.05	72.6	S0312	.03070	9.4911	0.4	V
9009	63444.09	19 53N	103 37W	78.4	186.9	3.232	1.40	72.6	S0312	.03070	9.2270	0.6	A
9010	63450.29	19 16N	103 43W	78.2	186.9	3.232	1.40	72.6	S0312	.03070	9.3756	0.6	V
9011	63453.29	19 15N	103 43W	79.3	186.9	3.232	1.75	72.6	S0312	.03070	9.1197	0.4	A
472 5001	68486.29	37 27N	122 1W	74.8	188.2	2.881	-0.35	66.7	S0255	.01660	9.7149	1.2	F
5002	68491.69	37 27N	122 2W	75.0	188.2	2.881	0.35	66.7	S0255	.01660	9.6736	1.2	A
9001	68486.29	37 27N	122 2W	74.8	188.2	2.881	-0.35	66.7	S0312	.02200	9.7140	1.2	F
9002	68491.49	37 28N	122 2W	75.0	188.2	2.881	0.35	66.7	S0312	.02200	9.6727	1.4	A
477 9001	8493.89	47 3N	130 14E	75.5	189.5	2.390	8.40	59.6	S0312	.03070	9.5902	0.4	A
9002	8521.29	44 52N	129 3E	74.2	189.2	2.390	-9.80	61.2	S0312	.03070	9.7635	0.6	F
9003	8526.29	44 30N	129 40E	74.6	189.1	2.390	9.10	61.7	S0312	.03070	9.8377	0.4	V
9004	8531.09	44 30N	129 30E	75.6	189.1	2.390	9.45	61.7	S0312	.03070	9.5737	0.4	A
9005	8538.69	43 41N	130 16E	93.1	189.0	2.181	35.70	62.7	S0312	.02200	7.8900	0.4	V
9006	8543.09	43 12N	129 49E	86.5	189.0	2.390	28.35	62.9	S0312	.02200	8.4182	0.6	F
9007	8549.49	43 1N	129 22E	78.0	188.9	2.390	18.20	62.9	S0312	.03070	9.4003	0.4	V
9008	8555.49	42 50N	129 5E	76.2	188.8	2.390	11.20	63.0	S0312	.02200	9.4911	0.6	A
478 5001	13935.69	37 25N	106 8E	86.3	188.2	2.390	28.35	67.2	S0255	.02210	8.4603	0.8	F
5002	13959.69	35 57N	104 11E	80.7	188.0	2.530	-26.25	67.3	S0255	.02210	8.9720	0.4	F
5003	14023.89	31 37N	104 19E	77.7	187.6	2.738	14.35	70.4	S0255	.02210	9.4425	0.4	V
5004	14026.69	31 37N	104 19E	78.9	187.6	2.738	14.70	70.4	S0255	.02210	9.1784	0.4	A
5005	14037.09	30 43N	103 58E	76.1	187.6	2.881	8.75	70.7	S0255	.02210	9.6571	0.6	V
5006	14039.89	30 43N	103 58E	77.2	187.5	2.881	9.10	70.7	S0255	.02210	9.4012	0.6	A
5007	14070.49	28 20N	102 25E	85.4	187.4	2.738	-30.80	70.9	S0255	.02210	8.4685	0.6	F
5008	14073.49	28 20N	102 25E	84.3	187.4	2.738	-30.45	70.9	S0255	.02210	8.6996	0.6	V
9001	13585.49	61 29N	112 52E	79.3	193.7	1.484	-19.60	46.7	S0312	.04070	9.1280	0.8	F
9002	13588.79	61 29N	112 52E	78.2	193.6	1.484	-19.25	46.7	S0312	.04070	9.3838	0.8	V
9003	13706.29	53 36N	109 55E	74.3	190.9	2.181	-5.60	53.9	S0312	.03070	9.7800	0.4	A
9004	13726.29	51 57N	108 21E	84.3	190.6	1.826	-30.10	55.1	S0312	.03070	8.5750	0.6	F
9005	13729.29	51 57N	108 21E	83.0	190.5	1.826	-29.75	55.1	S0312	.03070	8.8391	0.6	V
9006	13735.69	51 40N	108 41E	77.4	190.4	2.037	-19.25	55.5	S0312	.03070	9.3921	0.4	A
9007	13785.29	47 56N	106 56E	87.0	189.7	1.826	-33.95	58.4	S0312	.03070	8.2944	0.4	F
9008	13788.29	47 56N	106 55E	85.8	189.7	2.037	-33.95	58.4	S0312	.03070	8.5585	0.4	V
9009	13795.29	47 23N	107 28E	74.6	189.6	2.390	-15.75	59.1	S0312	.03070	9.8543	0.6	V
9010	13798.09	47 23N	107 28E	75.3	189.6	2.390	-15.40	59.1	S0312	.03070	9.6479	0.6	A
9011	13925.69	38 32N	106 7E	80.6	188.3	2.390	20.65	66.3	S0312	.03070	8.9794	0.6	A
9012	13949.09	36 40N	104 32E	77.4	188.1	2.738	-19.95	67.0	S0312	.03070	9.3756	0.4	F
9013	13951.69	36 40N	104 32E	76.4	188.1	2.738	-19.60	67.0	S0312	.03070	9.6232	0.4	V
9014	13959.69	35 57N	104 11E	80.7	188.0	2.530	-26.25	67.3	S0312	.03070	8.9712	0.4	F
9015	13962.49	35 57N	104 10E	79.7	188.0	2.738	-26.25	67.3	S0312	.03070	9.2188	0.4	V
9016	13968.69	35 45N	103 59E	82.5	188.0	2.738	-30.45	67.4	S0312	.03070	8.8309	0.4	A
9017	13973.89	35 23N	103 59E	81.7	187.9	2.738	-28.00	67.6	S0312	.03070	8.9134	0.4	A
9018	13980.89	34 40N	104 8E	75.0	187.9	2.881	-17.85	68.2	S0312	.03070	9.7965	0.6	V
9019	14036.89	30 44N	103 58E	76.1	187.6	2.881	8.75	70.7	S0312	.03070	9.6562	0.6	V
9020	14039.89	30 43N	103 58E	77.1	187.5	2.881	9.10	70.8	S0312	.03070	9.4003	0.6	A
9021	14046.09	30 18N	103 52E	77.2	187.5	2.681	8.75	70.9	S0312	.02200	9.3838	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG KM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
478 9022	14051.69	29 34N	103 26E	75.8	187.5	3.092	-3.15	71.0	SO312	.02200	9.5819	0.4	F
9023	14056.69	29 15N	103 4E	77.1	187.5	3.092	-14.70	70.9	SO312	.02200	9.4086	0.4	F
9024	14059.49	29 14N	103 4E	76.1	187.4	3.092	-14.35	70.9	SO312	.02200	9.6397	0.4	V
9025	14070.49	28 20N	102 25E	85.5	187.4	2.738	-30.80	70.9	SO312	.03070	8.4678	0.4	F
9026	14073.49	28 20N	102 25E	84.3	187.4	2.738	-30.45	70.9	SO312	.03070	8.6988	0.4	V
9027	14079.29	27 57N	102 12E	87.8	187.4	2.738	-34.30	70.9	SO312	.02200	8.3605	0.6	V
9028	14093.49	27 0N	103 37E	86.3	187.3	2.530	24.85	72.5	SO312	.03070	8.3605	0.6	A
9029	14106.09	26 2N	102 27E	75.7	187.2	3.092	-12.60	72.0	SO312	.03070	9.6974	0.6	V
9030	14109.09	26 1N	102 27E	76.6	187.2	3.092	-12.25	72.0	SO312	.03070	9.4746	0.4	A
9031	14112.89	25 22N	102 23E	76.2	187.2	3.092	-10.50	72.1	SO312	.03070	9.5159	0.4	F
9032	14118.49	24 57N	102 38E	76.0	187.2	3.092	3.15	72.5	SO312	.03070	9.5571	0.4	F
9033	14122.29	25 3N	102 42E	76.9	187.2	3.092	5.60	72.5	SO312	.03070	9.4086	0.4	A
9034	14125.69	24 50N	102 36E	76.5	187.2	3.092	3.15	72.5	SO312	.03070	9.4581	0.6	A
9035	14134.69	23 45N	102 53E	84.0	187.1	2.881	21.35	73.1	SO312	.03070	8.6741	0.6	F
9036	14139.49	23 25N	102 50E	84.2	187.1	2.881	21.70	73.1	SO312	.03070	8.6576	0.4	F
9037	14142.49	23 25N	102 49E	83.4	187.1	2.881	21.70	73.1	SO312	.03070	8.7979	0.8	V
9038	14145.89	23 24N	102 48E	84.5	187.1	2.881	21.70	73.2	SO312	.03070	8.5420	0.6	A
9039	14157.09	22 42N	101 54E	77.1	187.0	3.232	-8.40	72.5	SO312	.03070	9.3921	0.4	A
479 5001	18966.09	56 16N	90 26E	87.6	191.8	1.826	29.40	51.8	SO255	.02210	8.3035	0.8	F
5002	18984.09	55 21N	89 10E	75.7	191.5	2.037	11.55	52.5	SO255	.02210	9.7149	0.4	V
5003	18986.89	55 21N	89 10E	76.7	191.4	2.037	11.90	52.5	SO255	.02210	9.4673	0.4	A
9001	18963.09	56 28N	90 32E	88.0	191.9	1.826	29.75	51.6	SO312	.03070	8.2614	0.4	F
9002	18965.89	56 17N	90 26E	87.6	191.8	1.826	29.40	51.8	SO312	.03070	8.4027	1.0	F
9003	18970.49	56 10N	90 26E	87.8	191.7	1.826	30.45	51.9	SO312	.02200	8.3522	0.6	V
9004	18977.29	55 36N	89 32E	78.9	191.6	2.037	17.15	52.3	SO312	.04070	9.2188	0.6	F
9005	18980.09	55 36N	89 31E	78.1	191.5	1.826	17.50	52.3	SO312	.04070	9.4251	0.4	V
9006	18986.69	55 22N	89 11E	76.7	191.4	2.037	11.90	52.5	SO312	.03070	9.4664	0.6	A
9007	18991.09	55 3N	89 18E	79.2	191.3	1.826	18.20	52.8	SO312	.03070	9.1610	0.6	A
9008	19142.09	44 20N	85 47E	83.4	189.1	2.390	24.85	62.0	SO312	.03070	8.7401	0.8	F
9009	19150.29	44 11N	85 48E	85.0	189.0	2.037	27.30	62.2	SO312	.03070	8.5090	0.8	A
9010	19454.09	23 12N	79 60E	76.4	187.1	3.232	-4.55	72.6	SO312	.03070	9.5902	0.6	V
9011	19456.89	23 12N	79 59E	77.4	187.1	3.232	-4.20	72.6	SO312	.03070	9.3508	0.6	A
9012	19667.49	8 34N	76 53E	86.7	186.6	3.439	-21.35	67.9	SO312	.03070	8.4182	0.6	V
9013	19670.69	8 34N	76 52E	87.7	186.6	3.439	-21.00	67.9	SO312	.03070	8.2367	0.6	A
480 5001	24295.89	55 25N	65 13E	87.2	191.4	1.690	-32.55	52.1	SO255	.02210	8.3612	0.6	A
5002	24428.69	45 58N	63 40E	75.3	189.4	2.530	10.50	60.5	SO255	.02210	9.7727	0.6	V
5003	24431.49	45 58N	63 40E	76.3	189.3	2.530	10.85	60.5	SO255	.02210	9.5085	0.6	A
9001	24020.69	73 32N	80 34E	77.9	203.1	0.787	-3.15	35.2	SO312	.05390	9.3096	0.6	A
9002	24267.69	56 54N	65 52E	86.8	191.9	1.484	-31.85	50.8	SO312	.03070	8.3192	0.4	F
9003	24270.69	56 55N	65 52E	85.5	191.9	1.484	-31.50	50.8	SO312	.03070	8.5750	0.6	V
9004	24290.69	55 33N	65 17E	86.0	191.5	1.484	-32.20	52.0	SO312	.03070	8.5173	0.4	V
9005	24293.89	55 33N	65 16E	87.1	191.4	1.690	-32.55	52.0	SO312	.03070	8.3522	0.4	A
9006	24338.09	51 52N	66 14E	83.7	190.6	2.037	25.20	55.7	SO312	.02200	8.6988	0.4	F
9007	24342.09	51 34N	66 20E	87.7	190.5	2.037	29.75	56.0	SO312	.03070	8.3109	0.8	F
9008	24345.09	51 34N	66 20E	86.8	190.5	1.826	30.10	56.0	SO312	.03070	8.4843	0.8	V
9009	24347.29	51 26N	66 16E	86.8	190.5	1.826	30.10	56.1	SO312	.03070	8.4843	0.4	V
9010	24350.89	51 11N	66 9E	86.1	190.4	1.826	29.40	56.3	SO312	.03070	8.5503	0.4	V
9011	24354.09	51 11N	66 9E	87.4	190.4	1.826	29.75	56.3	SO312	.03070	8.2944	0.4	A
9012	24355.69	51 5N	66 6E	87.4	190.3	1.826	29.75	56.4	SO312	.03070	8.2944	0.4	A
9013	24358.49	50 53N	66 1E	87.1	190.3	1.826	29.40	56.6	SO312	.03070	8.3274	0.4	A
9014	24425.69	45 59N	63 40E	76.0	189.4	2.530	10.15	60.5	SO312	.03070	9.5737	0.6	F
9015	24428.29	45 60N	63 40E	75.3	189.4	2.530	10.50	60.5	SO312	.03070	9.7717	1.0	V
9016	24431.49	45 58N	63 40E	76.3	189.3	2.530	10.85	60.5	SO312	.03070	9.5076	0.6	A
9017	24545.89	37 38N	62 11E	92.6	188.2	2.390	33.60	67.2	SO312	.01650	7.8818	0.6	F
9018	24552.29	37 25N	62 5E	90.5	188.2	2.181	32.90	67.3	SO312	.01650	8.1294	0.4	V
9019	24555.69	37 25N	62 5E	92.1	188.2	2.181	33.25	67.3	SO312	.01650	7.8570	0.4	A
9020	24618.29	32 53N	59 13E	83.4	187.7	2.738	-28.00	69.0	SO312	.03070	8.6741	0.6	F
9021	24621.29	32 53N	59 13E	82.2	187.7	2.738	-27.65	69.0	SO312	.03070	8.9217	0.6	V
9022	24750.49	23 39N	58 34E	83.3	187.1	2.881	18.55	73.1	SO312	.03070	8.7484	0.6	F
9023	24756.49	23 39N	58 34E	84.0	187.1	2.738	19.60	73.1	SO312	.03070	8.5833	0.6	A
481 5001	29581.69	56 21N	43 48E	82.4	191.8	1.690	-26.60	51.3	SO255	.02210	8.7822	1.0	F
5002	29587.69	56 21N	43 48E	82.2	191.7	1.826	-26.25	51.4	SO255	.03080	8.8565	0.8	A
5003	29603.69	54 51N	43 17E	81.2	191.3	1.826	-25.20	52.7	SO255	.02210	8.9225	1.0	F
5004	29609.49	54 51N	43 18E	80.9	191.2	1.826	-24.50	52.7	SO255	.03080	9.0050	1.0	A
5005	29653.49	51 30N	43 29E	76.1	190.5	2.037	13.30	55.9	SO255	.03080	9.6571	0.6	V
5006	29656.29	51 30N	43 29E	77.2	190.4	2.037	13.65	55.9	SO255	.02210	9.4095	0.6	A
5007	29714.49	47 32N	42 8E	77.4	189.6	2.181	14.00	59.3	SO255	.02210	9.3930	0.6	A
5008	29758.89	44 27N	39 55E	80.3	189.1	2.390	-26.60	61.4	SO255	.02210	9.1454	0.6	V
5009	29761.89	44 27N	39 55E	81.1	189.1	2.390	-26.25	61.4	SO255	.02210	8.9885	0.6	A
5010	29791.49	42 12N	41 41E	103.8	188.8	1.690	42.00	64.0	SO255	.01660	6.9663	0.6	A
9001	29362.49	70 59N	53 50E	81.2	200.3	0.787	-18.90	37.8	SO312	.03070	8.9052	0.8	F
9002	29365.49	70 59N	53 48E	80.3	200.1	0.995	-19.25	37.8	SO312	.03070	9.1362	0.8	V
9003	29571.69	57 7N	45 10E	73.8	192.0	1.826	-2.45	50.8	SO312	.04070	9.9533	0.6	V
9004	29581.49	56 22N	43 49E	82.4	191.8	1.690	-26.60	51.3	SO312	.03070	8.7814	1.0	F
9005	29587.29	56 22N	43 49E	82.1	191.7	1.826	-26.25	51.3	SO312	.03070	8.8556	1.2	A
9006	29591.69	55 52N	43 34E	81.8	191.6	1.826	-27.30	51.8	SO312	.03070	8.9712	0.6	V
9007	29597.69	55 35N	44 9E	75.5	191.5	2.037	-11.20	52.2	SO312	.04070	9.6232	0.6	A
9008	29603.49	54 52N	43 17E	81.2	191.3	1.826	-25.20	52.7	SO312	.03070	8.9217	1.2	F
9009	29609.29	54 52N	43 18E	80.8	191.2	1.826	-24.50	52.7	SO312	.03070	9.0042	1.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
481 9010	29629.89	52 59N	43 26E	74.3	190.9	2.037	-3.85	54.5	S0312	.04070	9.7717	0.4	F
9011	29637.89	52 41N	42 42E	77.4	190.7	2.037	-20.30	54.6	S0312	.04070	9.4994	0.6	V
9012	29640.69	52 42N	42 42E	78.1	190.7	2.037	-19.95	54.6	S0312	.03070	9.3096	0.6	A
9013	29653.49	51 30N	43 29E	76.1	190.5	2.037	13.30	55.9	S0312	.04070	9.6562	0.6	V
9014	29656.29	51 30N	43 29E	77.1	190.4	2.037	13.65	55.9	S0312	.03070	9.4086	0.6	A
9015	29674.89	49 60N	43 21E	81.4	190.1	2.037	23.45	57.3	S0312	.03070	9.0290	0.4	V
9016	29677.89	49 60N	43 21E	82.6	190.1	2.037	23.80	57.3	S0312	.03070	8.7649	0.4	A
9017	29714.09	47 33N	42 9E	77.3	189.6	2.181	14.00	59.3	S0312	.03070	9.3921	1.0	A
9018	29734.69	45 55N	40 7E	85.7	189.4	2.037	-31.85	60.1	S0312	.03070	8.4430	1.0	F
9019	29737.69	45 55N	40 7E	84.4	189.3	2.037	-31.50	60.1	S0312	.03070	8.6988	1.0	V
9020	29743.69	45 30N	40 7E	82.1	189.3	2.181	-28.70	60.5	S0312	.03070	8.9382	0.6	V
9021	29746.69	45 30N	40 7E	82.9	189.2	2.390	-28.70	60.5	S0312	.03070	8.7731	0.6	A
9022	29754.09	44 33N	39 58E	81.2	189.1	2.181	-26.25	61.3	S0312	.03070	8.9052	0.6	F
9023	29757.09	44 34N	39 57E	80.4	189.1	2.390	-26.60	61.3	S0312	.03070	9.1362	0.4	V
9024	29758.89	44 27N	39 55E	80.3	189.1	2.390	-26.60	61.4	S0312	.03070	9.1445	0.6	V
9025	29761.69	44 27N	39 55E	81.1	189.1	2.390	-26.25	61.4	S0312	.03070	8.9877	0.6	A
9026	29776.49	43 7N	40 36E	74.3	188.9	2.530	6.30	62.8	S0312	.02200	9.8955	0.6	V
9027	29779.29	43 7N	40 35E	75.3	188.9	2.530	6.65	62.8	S0312	.02200	9.6397	0.6	A
9028	29905.09	34 39N	37 14E	99.0	187.9	2.738	-35.00	67.9	S0312	.03070	8.1706	0.8	A
9029	29942.09	31 52N	36 47E	84.8	187.6	2.738	-31.15	69.5	S0312	.01650	8.6493	1.0	V
9030	29945.29	31 52N	36 47E	85.6	187.6	2.738	-30.80	69.5	S0312	.01650	8.5004	1.0	A
9031	29989.09	28 24N	36 35E	77.2	187.4	3.092	-14.00	71.3	S0312	.03070	9.3838	0.8	F
9032	29994.49	28 24N	36 35E	77.2	187.4	3.092	-13.30	71.3	S0312	.03070	9.4086	1.0	A
9033	30409.89	0 33S	30 42E	101.2	186.5	3.232	-32.90	61.2	S0312	.02200	7.0812	0.8	F
9034	30413.49	0 33S	30 42E	99.6	186.5	3.232	-32.20	61.3	S0312	.02200	7.3041	0.8	V
9035	30594.09	12 55S	28 38E	103.7	186.7	3.439	-26.60	51.0	S0312	.03070	6.9905	0.8	V
9036	30598.09	12 55S	28 38E	104.7	186.7	3.439	-25.90	51.1	S0312	.03070	6.8502	0.6	A
9037	30630.09	15 23S	28 16E	103.4	186.7	3.439	-23.45	48.9	S0312	.03070	7.0070	0.8	V
9038	30633.89	15 22S	28 17E	104.4	186.8	3.439	-22.75	48.9	S0312	.03070	6.8584	0.8	A
482 5001	34884.29	56 44N	21 57E	80.1	191.8	1.690	-24.50	51.0	S0255	.03080	9.1701	0.4	V
5002	34887.09	56 44N	21 57E	80.9	191.8	1.690	-24.15	51.0	S0255	.03080	9.0050	0.6	A
5003	35000.49	48 35N	19 23E	76.3	189.9	2.181	-16.45	58.2	S0255	.02210	9.5085	0.6	F
5004	35003.29	48 35N	19 23E	75.3	189.8	2.181	-16.10	58.2	S0255	.03080	9.7479	0.6	V
5005	35021.49	47 31N	19 10E	75.4	189.6	2.390	-12.60	59.1	S0255	.02210	9.6654	0.6	A
5006	35097.89	42 8N	19 28E	101.2	188.8	1.690	40.60	64.0	S0255	.01860	7.1396	0.8	A
9001	34841.89	59 25N	24 44E	75.8	192.8	1.690	10.50	48.8	S0312	.04070	9.6892	0.6	V
9002	34846.49	59 20N	24 24E	75.4	192.7	1.690	4.55	48.9	S0312	.04070	9.6314	0.6	A
9003	34915.89	54 24N	20 38E	87.3	191.2	1.690	-32.90	53.0	S0312	.03070	8.2862	0.6	F
9004	34922.09	54 24N	20 38E	86.8	191.1	1.820	-32.55	53.0	S0312	.03070	8.3687	0.6	A
9005	35000.49	48 35N	19 23E	76.3	189.9	2.181	-16.45	58.2	S0312	.03070	9.5076	0.6	F
9006	35003.29	48 34N	19 23E	75.3	189.8	2.181	-16.10	58.2	S0312	.03070	9.7470	0.4	V
9007	35012.29	47 48N	18 45E	81.8	189.7	2.037	-26.95	58.7	S0312	.03070	8.8474	1.0	F
9008	35015.29	47 48N	18 45E	80.7	189.7	2.037	-26.60	58.7	S0312	.03070	9.1032	0.8	V
9009	35021.49	47 30N	19 10E	75.3	189.6	2.390	-12.60	59.1	S0312	.03070	9.6644	0.6	A
9010	35025.69	46 51N	18 54E	76.0	189.5	2.390	-15.05	59.6	S0312	.03070	9.5489	0.4	F
9011	35028.49	46 51N	18 54E	75.0	189.5	2.390	-14.70	59.6	S0312	.03070	9.7965	0.4	V
9012	35031.49	46 27N	18 47E	76.0	189.5	2.390	-15.05	59.9	S0312	.03070	9.5489	0.6	F
9013	35034.09	46 28N	18 48E	75.0	189.4	2.390	-14.70	59.9	S0312	.03070	9.7965	0.8	V
9014	35039.89	46 6N	18 18E	80.1	189.4	2.181	-25.90	60.1	S0312	.03070	9.1610	0.4	V
9015	35042.89	46 6N	18 17E	80.9	189.3	2.390	-25.90	60.1	S0312	.03070	8.9959	0.4	A
9016	35047.69	45 21N	18 26E	76.5	189.3	2.390	-16.45	60.8	S0312	.03070	9.4829	0.8	F
9017	35053.09	45 21N	18 26E	76.2	189.2	2.530	-15.75	60.8	S0312	.03070	9.5324	0.8	A
9018	35059.49	44 45N	18 5E	77.5	189.1	2.390	-21.35	61.2	S0312	.03070	9.4746	0.6	V
9019	35062.49	44 44N	18 5E	78.3	189.1	2.390	-21.00	61.2	S0312	.03070	9.2931	0.4	A
9020	35068.09	44 11N	17 39E	82.0	189.1	2.181	-29.05	61.5	S0312	.03070	8.9382	0.6	V
9021	35071.09	44 11N	17 39E	82.9	189.0	2.390	-29.05	61.5	S0312	.03070	8.7814	0.6	A
9022	35076.69	43 22N	17 49E	77.1	189.0	2.390	-18.20	62.3	S0312	.02200	9.4003	1.2	F
9023	35082.09	43 23N	17 49E	76.9	188.9	2.390	-17.50	62.3	S0312	.02200	9.4499	1.4	A
9024	35236.49	32 23N	15 13E	77.9	187.7	2.881	-17.50	69.5	S0312	.04070	9.2931	0.4	F
9025	35239.29	32 23N	15 13E	77.0	187.7	2.881	-17.15	69.5	S0312	.04070	9.5324	0.4	V
9026	35244.49	32 2N	15 3E	78.2	187.7	2.881	-20.30	69.6	S0312	.03070	9.3756	0.6	V
9027	35313.89	27 2N	14 27E	76.3	187.3	3.092	-4.20	71.9	S0312	.03070	9.5159	0.8	F
9028	35316.69	27 1N	14 27E	75.5	187.3	3.092	-3.85	71.9	S0312	.03070	9.7222	0.8	V
483 9001	40290.69	49 40N	1 37W	74.0	190.1	2.390	5.60	57.5	S0312	.04070	9.9285	0.4	V
9002	40293.29	49 41N	1 37W	75.0	190.0	2.390	5.95	57.4	S0312	.04070	9.6727	0.6	A
9003	40385.49	43 20N	2 58W	83.3	188.9	2.181	24.50	62.9	S0312	.03070	8.6988	0.6	A
9004	40607.69	27 49N	8 3W	82.5	187.4	2.881	-25.20	71.2	S0312	.03070	8.7566	0.8	F
9005	40610.69	27 49N	8 3W	81.4	187.3	2.881	-24.85	71.2	S0312	.03070	8.9959	0.6	V
484 9001	46398.29	5 46S	35 13W	95.6	186.5	3.092	13.65	57.9	S0312	.03070	7.5517	0.4	F
9002	46401.69	5 46S	35 13W	94.9	186.5	3.092	14.00	57.9	S0312	.03070	7.6672	0.4	V
9003	46403.49	5 54S	35 15W	94.9	186.5	3.092	14.00	57.8	S0312	.03070	7.6590	0.4	V
9004	46407.09	5 54S	35 15W	96.5	186.5	3.092	14.35	57.8	S0312	.03070	7.4031	0.4	A
9005	46491.49	11 44S	37 56W	117.5	186.6	3.092	-38.85	51.8	S0312	.02200	6.1734	0.6	V
485 9001	52080.69	31 25S	64 15W	138.3	187.6	2.738	-38.85	33.8	S0312	.03070	5.1335	0.8	F
9002	52085.68	31 25S	64 16W	136.5	187.6	2.738	-38.50	33.8	S0312	.03070	5.2738	0.8	V
9003	52091.28	31 47S	64 23W	137.8	187.7	2.881	-39.20	33.4	S0312	.03070	5.2161	1.0	V
9004	52096.49	31 47S	64 24W	139.6	187.7	3.092	-39.20	33.4	S0312	.03070	5.1088	1.0	A
9005	52114.48	33 59S	62 3W	127.6	187.8	2.181	25.20	32.5	S0312	.03070	5.5792	1.4	F
9006	52116.68	34 8S	62 5W	127.8	187.8	2.181	25.20	32.3	S0312	.03070	5.5709	1.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
485 9007	52121.08	34 25S	62 9W	127.6	187.8	2.181	24.85	32.0	SO312	.03070	5.5792	1.4	F
9008	52124.69	34 40S	62 11W	128.3	187.9	2.181	25.20	31.8	SO312	.03070	5.5462	1.4	F
9009	52129.88	34 44S	61 55W	135.0	187.9	1.826	31.15	31.9	SO312	.03070	5.2986	1.4	V
9010	52135.09	35 4S	62 12W	129.5	187.9	2.037	26.95	31.5	SO312	.03070	5.5379	1.4	V
9011	52140.48	35 5S	62 30W	125.1	188.0	2.037	21.35	31.3	SO312	.03070	5.6287	1.4	A
9012	52149.09	35 36S	63 29W	115.2	188.0	2.738	1.05	30.5	SO312	.03070	6.1322	1.4	A
9013	52164.28	36 33S	64 16W	117.4	188.1	3.092	-12.60	29.4	SO312	.03070	6.0249	1.4	A
9014	52194.68	38 57S	64 9W	116.8	188.4	2.530	3.85	27.4	SO312	.04070	6.1322	1.0	V
9015	52206.08	39 14S	65 36W	128.5	188.4	3.092	-25.90	26.6	SO312	.03070	5.5132	1.0	A
9016	52398.88	52 50S	68 24W	128.8	190.7	2.037	1.75	14.0	SO312	.04070	5.4802	1.4	F
9017	52405.28	53 19S	68 10W	130.9	190.8	2.037	8.05	13.7	SO312	.04070	5.3894	1.4	F
9018	52413.48	53 46S	69 6W	129.3	190.9	2.037	-3.85	13.0	SO312	.05390	5.4554	1.0	F
9019	52419.09	53 52S	68 48W	128.5	191.0	2.037	1.75	13.0	SO312	.05390	5.5379	0.8	V
9020	52424.89	53 57S	68 30W	131.9	191.1	1.826	7.35	13.0	SO312	.04070	5.3069	0.8	A
486 9001	56619.68	20 48N	75 39W	83.5	187.0	3.092	-23.45	72.2	SO312	.03070	8.6658	0.8	F
9002	56628.68	20 7N	75 10W	78.6	186.9	3.232	1.05	72.7	SO312	.04070	9.2353	0.8	F
9003	56630.28	20 1N	75 11W	78.6	186.9	3.232	1.05	72.7	SO312	.04070	9.2353	0.4	F
9004	56633.68	20 0N	75 11W	77.8	186.9	3.232	1.40	72.7	SO312	.03070	9.4168	0.4	V
9005	56968.88	3 14S	79 56W	95.0	186.5	3.439	-22.40	59.3	SO312	.03070	7.5682	0.4	F
9006	56971.68	3 26S	79 58W	94.6	186.5	3.439	-22.05	59.2	SO312	.03070	7.6012	0.4	F
9007	56973.08	3 31S	79 59W	94.9	186.5	3.439	-22.05	59.1	SO312	.03070	7.5682	0.6	F
9008	56976.68	3 32S	80 4W	95.3	186.5	3.439	-24.50	59.0	SO312	.03070	7.6425	0.4	V
9009	56981.48	3 33S	80 27W	106.6	186.5	3.439	-35.00	58.8	SO312	.02200	6.7759	0.6	A
488 9001	66929.68	41 8N	114 55W	72.4	188.6	2.738	-4.20	64.3	SO312	.03070	10.1431	0.6	V
9002	67036.68	33 55N	117 52W	96.4	187.8	2.390	-41.65	68.2	SO312	.02200	7.6012	3.0	V
493 5001	7033.28	44 23N	135 49E	76.7	189.1	2.530	11.55	62.0	SO255	.02210	9.4673	0.6	A
9001	6932.28	51 1N	136 52E	78.1	190.4	2.037	-19.60	56.2	SO312	.03070	9.2765	0.4	F
9002	6933.88	50 54N	136 50E	78.2	190.3	2.037	-19.60	56.3	SO312	.03070	9.2683	0.4	F
9003	6936.48	50 55N	136 50E	77.1	190.3	2.037	-19.25	56.3	SO312	.03070	9.5241	0.6	V
9004	6941.28	50 33N	137 3E	74.4	190.2	2.037	-10.15	56.7	SO312	.04070	9.8790	0.4	V
9005	6944.08	50 33N	137 3E	75.2	190.2	2.390	-10.15	56.7	SO312	.04070	9.6644	0.4	A
9006	6949.48	50 2N	136 28E	78.1	190.1	2.181	-21.70	57.0	SO312	.03070	9.3921	0.6	V
9007	6952.48	50 2N	136 27E	78.9	190.1	2.181	-21.35	57.0	SO312	.03070	9.2105	0.4	A
9008	6967.48	48 39N	135 39E	85.3	189.9	2.037	-31.15	58.1	SO312	.03070	8.4843	1.0	F
9009	6973.28	48 28N	135 23E	88.7	189.8	2.037	-35.70	58.2	SO312	.02200	8.2779	0.6	V
9010	6976.48	48 29N	135 23E	89.4	189.7	2.037	-35.45	58.2	SO312	.02200	8.1459	0.6	A
9011	7033.28	44 23N	135 49E	76.7	189.1	2.530	11.55	62.0	SO312	.03070	9.4664	0.4	A
9012	7822.28	10 9S	123 36E	111.1	186.6	3.232	-34.30	53.2	SO312	.02200	6.4375	0.6	F
9013	7826.28	10 9S	123 35E	109.7	186.6	3.232	-33.95	53.2	SO312	.02200	6.6191	0.6	V
494 5001	12246.28	50 52N	115 49E	75.9	190.3	2.181	12.25	56.7	SO255	.03080	9.7149	0.6	V
5002	12249.08	50 52N	115 49E	76.9	190.3	2.181	12.60	56.7	SO255	.02210	9.4590	0.6	A
5003	12420.48	38 42N	112 37E	84.0	188.4	2.530	25.20	66.5	SO255	.02210	8.6914	0.6	F
5004	12423.48	38 42N	112 37E	83.4	188.3	2.530	25.55	66.5	SO255	.02210	8.8317	0.4	V
5005	12637.88	23 58N	109 16E	85.7	187.1	2.738	24.15	73.3	SO255	.02210	8.5676	0.4	V
5006	12641.08	23 58N	109 16E	87.2	187.1	2.738	24.50	73.3	SO255	.02210	8.2952	0.4	A
9001	12220.28	52 22N	116 51E	82.6	190.7	2.037	23.45	55.4	SO312	.02200	8.8144	0.8	F
9002	12223.28	52 22N	116 50E	81.7	190.7	2.037	23.45	55.4	SO312	.03070	9.0042	1.4	V
9003	12227.28	52 18N	116 48E	82.7	190.6	1.826	23.80	55.5	SO312	.02200	8.7731	0.4	A
9004	12231.68	52 0N	116 36E	81.5	190.5	2.037	21.70	55.7	SO312	.03070	8.8969	0.4	A
9005	12237.28	51 17N	115 58E	76.6	190.5	2.181	11.90	56.3	SO312	.03070	9.4994	1.0	F
9006	12240.88	51 2N	115 53E	76.4	190.4	2.181	11.90	56.5	SO312	.03070	9.5324	0.4	F
9007	12242.68	50 55N	115 50E	76.5	190.4	2.181	11.90	56.6	SO312	.03070	9.5241	0.4	F
9008	12245.28	50 55N	115 50E	75.7	190.3	2.181	12.25	56.6	SO312	.04070	9.7140	1.6	V
9009	12249.08	50 51N	115 49E	76.9	190.3	2.181	12.60	56.7	SO312	.03070	9.4581	0.6	A
9010	12253.28	50 33N	115 50E	78.2	190.2	2.181	16.10	56.9	SO312	.03070	9.2765	0.2	A
9011	12285.48	48 2N	114 31E	74.2	189.8	2.390	1.75	58.9	SO312	.03070	9.7965	0.8	F
9012	12290.48	48 4N	114 27E	74.1	189.7	2.390	0.35	58.9	SO312	.03070	9.7965	0.4	A
9013	12389.48	40 60N	111 42E	79.3	188.6	2.530	-24.50	64.2	SO312	.03070	9.1280	0.4	F
9014	12394.08	40 52N	111 42E	78.1	188.6	2.530	-23.10	64.3	SO312	.03070	9.3921	0.6	V
9015	12395.48	40 46N	111 41E	78.1	188.6	2.530	-23.10	64.3	SO312	.03070	9.4003	0.4	V
9016	12406.48	39 53N	112 44E	79.0	188.5	2.530	19.95	65.6	SO312	.03070	9.3178	0.4	V
9017	12410.88	39 33N	112 49E	82.6	188.4	2.530	24.85	65.9	SO312	.02200	8.9134	0.6	V
9018	12415.28	39 3N	112 41E	82.8	188.4	2.530	24.50	66.2	SO312	.03070	8.8144	0.4	F
9019	12420.48	38 41N	112 37E	84.0	188.4	2.530	25.20	66.5	SO312	.03070	8.6906	0.4	F
9020	12423.48	38 41N	112 37E	83.4	188.3	2.530	25.55	66.5	SO312	.03070	8.8309	0.4	V
9021	12425.88	38 31N	112 34E	83.1	188.3	2.530	25.20	66.6	SO312	.03070	8.8556	0.4	V
9022	12428.88	38 32N	112 34E	84.4	188.3	2.530	25.55	66.6	SO312	.03070	8.5833	0.6	A
9023	12433.08	38 1N	112 33E	85.9	188.3	2.530	28.35	67.0	SO312	.03070	8.5750	0.8	V
9024	12436.28	38 1N	112 33E	87.3	188.2	2.530	28.70	67.0	SO312	.03070	8.3027	1.2	A
9025	12441.68	37 15N	112 8E	81.8	188.2	2.738	21.70	67.4	SO312	.03070	8.9134	0.4	F
9026	12444.88	37 15N	112 3E	79.7	188.2	2.530	19.95	67.4	SO312	.03070	9.2353	0.4	V
9027	12449.28	37 10N	111 47E	77.0	188.1	2.738	11.90	67.3	SO312	.02200	9.4168	0.4	A
9028	12453.28	36 53N	111 50E	78.6	188.1	2.738	15.75	67.6	SO312	.02200	9.2188	0.6	A
9029	12482.88	34 23N	111 40E	87.5	187.9	2.530	28.35	69.4	SO312	.03070	8.3522	1.8	F
9030	12487.28	34 18N	111 38E	86.5	187.9	2.530	28.35	69.4	SO312	.03070	8.5090	0.4	V
9031	12492.28	33 60N	111 11E	78.4	187.8	2.738	16.80	69.4	SO312	.03070	9.3756	0.4	V
9032	12495.08	34 0N	111 11E	79.5	187.8	2.738	17.15	69.4	SO312	.03070	9.0950	0.4	A
9033	12541.48	30 50N	110 16E	76.7	187.6	2.881	9.45	70.9	SO312	.03070	9.4416	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
494 9034	12573.68	28 21N	110 21E	89.4	187.4	2.530	29.75	72.3	SO312	.02200	8.2284	0.8	V
9035	12577.08	28 21N	110 21E	90.9	187.4	2.530	30.10	72.4	SO312	.02200	7.9478	0.6	A
9036	12591.68	27 21N	110 9E	91.5	187.3	2.390	30.45	72.7	SO312	.02200	7.8818	0.6	A
9037	12597.68	26 30N	109 54E	88.8	187.3	2.738	27.65	72.9	SO312	.02200	8.2119	0.4	F
9038	12600.68	26 40N	109 55E	88.6	187.3	2.530	28.70	72.0	SO312	.03070	8.2944	0.4	V
9039	12604.88	26 13N	109 50E	87.7	187.3	2.530	27.65	72.9	SO312	.03070	8.3770	0.4	V
9040	12608.08	26 13N	109 50E	89.2	187.2	2.530	28.00	72.9	SO312	.02200	8.0964	0.4	A
9041	12616.08	25 28N	109 29E	83.2	187.2	2.881	21.00	72.9	SO312	.03070	8.8391	1.0	V
9042	12619.28	25 28N	109 28E	84.5	187.2	2.881	21.35	72.9	SO312	.03070	8.5503	0.8	A
9043	12624.88	24 39N	109 21E	85.1	187.2	2.881	22.05	73.1	SO312	.03070	8.5750	0.6	F
9044	12630.08	24 17N	109 20E	86.5	187.2	2.881	23.80	73.2	SO312	.03070	8.4347	0.4	F
9045	12634.08	24 26N	109 25E	88.4	187.1	2.530	26.25	73.3	SO312	.02200	8.1706	0.4	A
9046	12637.88	23 57N	109 16E	85.7	187.1	2.738	24.15	73.3	SO312	.03070	8.5568	0.4	V
9047	12641.08	23 57N	109 16E	87.1	187.1	2.738	24.50	73.3	SO312	.03070	8.2944	0.4	A
9048	12650.68	22 57N	108 28E	77.7	187.1	3.232	1.05	72.8	SO312	.03070	9.3508	0.6	F
9049	12653.48	22 57N	108 28E	76.9	187.1	3.232	1.40	72.8	SO312	.03070	9.5406	0.6	V
9050	12657.88	22 51N	108 20E	77.7	187.0	3.439	-2.80	72.7	SO312	.03070	9.3261	0.4	A
9051	12661.28	22 37N	108 16E	77.6	187.0	3.439	-3.50	72.7	SO312	.03070	9.3261	0.8	A
9052	12676.68	21 13N	107 34E	82.2	187.0	3.232	-21.35	72.3	SO312	.03070	8.7979	0.4	F
9053	12682.48	21 13N	107 34E	82.0	187.0	3.439	-20.65	72.3	SO312	.03070	8.8556	0.6	A
9054	12820.08	11 17N	106 15E	81.4	186.6	3.439	-1.40	69.8	SO312	.03070	8.8969	0.6	F
9055	12828.68	10 50N	106 44E	89.1	186.6	2.881	21.00	70.0	SO312	.03070	8.2202	1.0	V
9056	12832.08	10 49N	106 43E	90.6	186.6	2.881	21.35	70.0	SO312	.03070	7.9478	0.8	A
9057	12841.08	10 4N	105 47E	82.4	186.6	3.439	-11.20	68.9	SO312	.03070	8.8721	0.4	V
9058	12844.08	10 4N	105 48E	83.4	186.6	3.439	-10.15	68.9	SO312	.03070	8.8658	1.0	A
495 5001	17701.88	40 49N	89 44E	76.9	188.6	2.738	-18.55	64.4	SO255	.01660	9.4260	1.0	F
5002	17707.48	40 49N	89 44E	76.7	188.6	2.738	-17.50	64.4	SO255	.01660	9.4920	0.8	A
9001	17701.88	40 49N	89 44E	77.0	188.6	2.738	-18.55	64.4	SO312	.02200	9.4251	0.8	F
9002	17707.28	40 50N	89 44E	76.7	188.6	2.738	-17.50	64.4	SO312	.02200	9.4911	1.0	A
9003	17967.48	22 40N	86 21E	77.5	187.0	3.232	4.20	72.9	SO312	.03070	9.4746	0.4	V
9004	17970.28	22 41N	86 21E	78.6	187.0	3.232	4.55	72.9	SO312	.03070	9.2105	0.6	A
496 5001	22795.88	55 26N	73 18E	76.6	191.5	2.037	10.15	52.6	SO255	.03080	9.4838	0.6	F
5002	22798.48	55 26N	73 17E	75.8	191.5	2.037	10.15	52.6	SO255	.03080	9.6984	0.6	V
5003	22991.68	42 28N	68 48E	75.7	188.8	2.738	7.70	63.5	SO255	.02210	9.5911	0.4	A
9001	22709.88	61 43N	75 18E	77.5	193.7	1.690	-13.65	46.8	SO312	.02200	9.3756	0.6	A
9002	22795.68	55 26N	73 18E	76.7	191.5	2.037	10.15	52.6	SO312	.04070	9.4829	0.6	F
9003	22798.48	55 26N	73 17E	75.8	191.5	2.037	10.15	52.6	SO312	.04070	9.6974	0.6	V
9004	22803.28	55 4N	73 30E	79.5	191.4	1.826	19.25	53.0	SO312	.03070	9.2600	1.8	V
9005	22807.28	54 60N	73 28E	80.4	191.3	1.826	19.25	53.1	SO312	.03070	9.0207	0.6	A
9006	23002.08	41 29N	69 12E	85.1	188.7	2.390	27.65	64.5	SO312	.03070	8.6328	0.4	V
9007	23005.28	41 29N	69 11E	86.3	188.7	2.181	28.00	64.5	SO312	.03070	8.3852	0.4	A
9008	23009.68	41 12N	68 50E	80.6	188.6	2.390	19.95	64.6	SO312	.03070	8.9794	0.6	A
9009	23024.88	40 17N	67 20E	78.4	188.5	2.738	-22.75	64.7	SO312	.03070	9.2765	0.6	A
9010	23048.88	38 15N	66 58E	76.8	188.3	2.738	-18.90	66.2	SO312	.03070	9.4334	0.4	F
9011	23056.48	37 39N	67 31E	75.5	188.2	2.881	5.95	66.9	SO312	.02200	9.6314	1.4	F
9012	23061.88	37 39N	67 31E	75.8	188.2	2.881	6.65	67.0	SO312	.02200	9.5571	0.8	A
9013	23068.08	37 14N	67 16E	75.0	188.1	2.881	1.40	67.2	SO312	.02200	9.6727	0.6	A
9014	23076.68	36 39N	67 2E	74.7	188.1	2.881	-2.10	67.5	SO312	.03070	9.7140	0.6	A
9015	23146.08	31 31N	65 53E	75.1	187.6	3.092	-2.80	70.4	SO312	.02200	9.6727	0.6	F
9016	23148.88	31 30N	65 53E	74.3	187.6	3.092	-2.45	70.4	SO312	.02200	9.8873	0.6	V
9017	23151.88	31 29N	65 51E	75.3	187.6	3.092	-2.80	70.4	SO312	.03070	9.6314	0.4	A
497 5001	28092.88	56 16N	51 17E	75.3	191.8	2.037	3.50	51.9	SO255	.04000	9.6406	0.4	F
5002	28095.48	56 16N	51 17E	74.5	191.7	2.037	3.85	51.9	SO255	.04000	9.8552	0.6	V
5003	28133.28	53 33N	49 52E	74.6	191.0	2.181	-4.20	54.2	SO255	.03080	9.7314	0.6	F
5004	28159.68	51 49N	48 33E	79.4	190.6	2.037	-22.05	55.6	SO255	.02210	9.1206	0.6	F
5005	28213.68	48 22N	46 59E	86.0	189.8	2.037	-32.90	58.4	SO255	.02210	8.5346	0.6	V
5006	28216.68	48 23N	46 59E	86.8	189.7	2.037	-32.55	58.3	SO255	.02210	8.3943	0.8	A
5007	28311.48	41 40N	45 8E	86.6	188.7	2.390	-34.30	63.6	SO255	.02210	8.4768	0.6	V
5008	28314.68	41 40N	45 8E	87.4	188.7	2.390	-33.95	63.6	SO255	.02210	8.3447	0.6	A
9001	27887.88	69 45N	61 45E	84.7	199.4	1.338	22.05	39.2	SO312	.02200	8.5750	0.4	F
9002	27891.68	69 43N	61 32E	82.5	199.2	1.135	20.30	39.3	SO312	.03070	8.8887	0.4	V
9003	27894.68	69 43N	61 33E	83.6	199.0	1.135	20.65	39.3	SO312	.02200	8.6576	0.6	A
9004	28060.88	58 22N	52 41E	77.9	192.5	1.826	13.30	50.0	SO312	.04070	9.3343	0.8	F
9005	28063.68	58 22N	52 41E	77.2	192.5	1.826	13.65	50.0	SO312	.04070	9.5241	0.8	V
9006	28092.88	56 16N	51 16E	75.4	191.8	2.037	3.50	51.9	SO312	.05390	9.6397	0.4	F
9007	28098.28	56 15N	51 17E	75.5	191.7	2.037	4.20	51.9	SO312	.05390	9.6149	0.4	A
9008	28133.28	53 33N	49 52E	74.7	191.0	2.181	-4.20	54.2	SO312	.04070	9.7305	0.6	F
9009	28139.68	53 14N	50 18E	75.9	190.9	2.037	11.20	54.6	SO312	.04070	9.6809	0.6	V
9010	28142.48	53 14N	50 18E	76.9	190.8	2.037	11.55	54.6	SO312	.03070	9.4251	0.6	A
9011	28146.08	52 59N	50 16E	77.3	190.8	2.037	12.95	54.8	SO312	.03070	9.3756	0.6	A
9012	28159.48	51 50N	48 34E	79.5	190.6	2.037	-22.05	55.6	SO312	.03070	9.1197	0.8	F
9013	28162.28	51 50N	48 34E	78.4	190.5	2.037	-21.70	55.6	SO312	.03070	9.3756	0.8	V
9014	28188.48	50 10N	48 34E	74.7	190.1	2.390	-0.30	57.1	SO312	.03070	9.7222	0.4	A
9015	28194.08	49 26N	48 10E	75.5	190.0	2.390	-11.55	57.7	SO312	.03070	9.6149	0.6	F
9016	28196.68	49 26N	48 10E	74.5	190.0	2.390	-11.20	57.7	SO312	.04070	9.8543	0.8	V
9017	28209.68	48 26N	47 0E	87.4	189.8	2.037	-33.25	58.3	SO312	.03070	8.2779	1.0	F
9018	28212.88	48 25N	47 0E	86.0	189.8	2.037	-32.90	58.3	SO312	.03070	8.5338	1.4	V
9019	28216.68	48 22N	46 59E	86.8	189.7	2.037	-32.55	58.4	SO312	.03070	8.3935	0.6	A
9020	28223.68	47 26N	47 15E	78.0	189.6	2.390	-19.60	59.3	SO312	.03070	9.2931	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
497 9021	28229.28	47 26N	47 15E	77.7	189.6	2.390	-18.90	59.3	SO312	.03070	9.3591	0.8	A
9022	28239.28	46 27N	47 58E	76.0	189.4	2.390	11.90	60.4	SO312	.03070	9.6727	0.8	V
9023	28243.08	46 11N	47 56E	76.3	189.4	2.390	12.95	60.6	SO312	.04070	9.6232	0.6	V
9024	28245.88	46 11N	47 56E	77.4	189.4	2.390	13.30	60.6	SO312	.04070	9.3673	0.6	A
9025	28934.68	1 29S	37 17E	89.7	186.5	3.587	-15.75	60.7	SO312	.03070	8.0221	1.4	F
9026	28946.88	1 48S	36 49E	98.7	186.5	3.587	-29.05	60.2	SO312	.02200	7.2956	1.4	A
9027	29075.48	10 39S	35 36E	97.7	186.6	3.587	-16.45	53.1	SO312	.03070	7.3371	1.4	A
9028	29197.48	19 33S	34 45E	104.3	186.9	3.232	8.75	45.5	SO312	.03070	6.8749	1.2	F
9029	29201.88	19 35S	34 45E	103.7	186.9	3.232	9.45	45.5	SO312	.03070	6.9740	0.6	V
9030	29205.08	19 32S	34 44E	105.2	186.9	3.232	9.45	45.5	SO312	.03070	6.7594	1.0	A
9031	29251.48	22 43S	32 3E	139.4	187.1	2.881	-44.10	41.6	SO312	.02200	5.1666	0.6	V
9032	29256.68	22 43S	32 4E	140.3	187.1	3.092	-43.75	41.6	SO312	.02200	5.1005	0.6	A
9033	29291.28	25 48S	32 25E	114.2	187.2	3.232	-23.10	39.2	SO312	.03070	6.2312	0.6	F
9034	29295.28	25 48S	32 26E	112.7	187.2	3.232	-22.40	39.2	SO312	.03070	6.3962	0.6	V
9035	29298.48	26 1S	32 21E	113.6	187.2	3.232	-23.45	39.0	SO312	.03070	6.3385	0.8	V
9036	29302.88	26 1S	32 20E	115.2	187.3	3.439	-23.45	39.0	SO312	.03070	6.1899	0.6	A
498 5001	33322.48	61 36N	31 29E	75.7	193.8	1.690	-4.20	47.0	SO255	.03080	9.5828	0.6	F
5002	33349.48	59 49N	30 10E	76.6	193.0	1.690	-11.90	48.6	SO255	.03080	9.4590	0.8	F
5003	33354.88	59 49N	30 11E	76.5	192.9	1.690	-11.20	48.6	SO255	.03080	9.5003	0.8	A
5004	33438.28	53 48N	27 34E	75.6	191.1	2.037	-11.55	54.0	SO255	.03080	9.5993	0.4	F
5005	33440.88	53 48N	27 34E	74.7	191.0	2.037	-11.20	54.0	SO255	.03080	9.8304	0.4	V
5006	33482.68	50 37N	27 40E	81.9	190.3	2.037	22.40	57.0	SO255	.02210	8.8895	0.6	F
5007	33485.48	50 38N	27 40E	81.2	190.3	2.037	22.75	57.0	SO255	.02210	9.0546	0.6	V
5008	33552.08	45 57N	25 45E	76.8	189.4	2.390	12.95	60.8	SO255	.02210	9.4838	0.6	F
5009	33742.08	32 56N	22 12E	76.3	187.8	2.738	6.30	69.8	SO255	.03080	9.5250	0.4	F
5010	33744.88	32 56N	22 11E	75.6	187.7	2.738	6.65	69.8	SO255	.03080	9.7066	0.4	V
9001	33322.48	61 36N	31 29E	75.8	193.8	1.690	-4.20	47.0	SO312	.04070	9.5819	0.6	F
9002	33331.48	61 5N	30 11E	82.3	193.5	1.484	-24.50	47.3	SO312	.04070	8.7896	0.6	F
9003	33336.28	60 45N	30 1E	82.2	193.4	1.484	-24.50	47.6	SO312	.04070	8.7979	0.6	F
9004	33342.28	60 19N	30 12E	78.2	193.2	1.690	-16.80	48.1	SO312	.04070	9.2683	0.6	F
9005	33344.88	60 20N	30 11E	77.3	193.2	1.690	-16.80	48.1	SO312	.04070	9.4994	0.6	V
9006	33349.28	59 49N	30 10E	76.6	193.0	1.690	-11.90	48.6	SO312	.04070	9.4581	1.4	F
9007	33354.88	59 49N	30 11E	76.5	192.9	1.690	-11.20	48.6	SO312	.04070	9.4994	1.2	A
9008	33411.08	55 35N	28 48E	75.0	191.6	2.037	1.75	52.5	SO312	.04070	9.0809	1.2	F
9009	33416.48	55 24N	28 45E	74.3	191.5	2.037	2.80	52.7	SO312	.04070	9.8955	0.4	V
9010	33422.68	54 56N	28 59E	76.8	191.4	2.037	13.65	53.1	SO312	.04070	9.5654	0.6	V
9011	33425.68	54 55N	28 57E	77.6	191.3	2.037	13.30	53.2	SO312	.04070	9.3426	0.8	A
9012	33430.88	54 13N	28 30E	76.0	191.2	2.037	8.75	53.7	SO312	.04070	9.5571	0.6	F
9013	33445.48	53 16N	27 43E	74.6	190.9	2.037	-2.10	54.5	SO312	.04070	9.7305	0.6	F
9014	33448.88	53 2N	27 36E	74.6	190.9	2.037	-2.80	54.7	SO312	.04070	9.7387	0.6	F
9015	33454.28	53 2N	27 33E	74.6	190.8	2.037	-3.50	54.7	SO312	.04070	9.7305	0.6	A
9016	33460.28	52 19N	26 47E	77.5	190.7	2.037	-17.85	55.2	SO312	.03070	9.3508	0.8	F
9017	33463.08	52 19N	26 47E	76.5	190.6	2.037	-17.50	55.2	SO312	.04070	9.6067	0.8	V
9018	33475.08	51 5N	28 8E	87.4	190.4	2.037	29.05	56.7	SO312	.03070	8.3440	0.4	F
9019	33478.08	51 5N	28 8E	86.7	190.4	2.037	29.40	56.7	SO312	.03070	8.4843	0.6	V
9020	33482.68	50 37N	27 40E	82.0	190.3	2.037	22.40	57.0	SO312	.03070	8.8887	0.6	F
9021	33485.48	50 37N	27 40E	81.2	190.3	2.037	22.75	57.0	SO312	.03070	9.0537	0.6	V
9022	33491.48	50 16N	27 1E	75.0	190.2	2.390	8.75	57.2	SO312	.04070	9.8047	0.4	V
9023	33494.28	50 16N	27 1E	76.0	190.2	2.390	9.10	57.2	SO312	.03070	9.5489	0.4	A
9024	33499.48	49 29N	27 14E	81.4	190.1	2.181	21.70	58.0	SO312	.03070	8.9299	0.6	F
9025	33502.48	49 28N	27 13E	80.7	190.0	2.181	22.05	58.0	SO312	.03070	9.0867	1.8	V
9026	33506.88	49 22N	27 12E	82.2	190.0	2.181	22.75	58.1	SO312	.03070	8.8226	0.4	A
9027	33510.68	48 56N	26 54E	78.7	189.9	2.181	18.55	58.4	SO312	.03070	9.3343	0.8	V
9028	33520.88	48 19N	25 57E	73.5	189.8	2.390	-3.15	58.7	SO312	.04070	10.0028	0.6	V
9029	33523.68	48 19N	25 56E	74.4	189.7	2.390	-3.50	58.7	SO312	.03070	9.7635	0.4	A
9030	33529.48	47 41N	26 9E	74.8	189.7	2.390	9.10	59.4	SO312	.03070	9.8212	0.4	V
9031	33536.48	46 57N	26 25E	82.0	189.6	2.390	22.40	60.1	SO312	.03070	8.8887	0.6	F
9032	33539.48	46 57N	26 24E	81.1	189.5	2.181	22.75	60.1	SO312	.03070	9.0702	0.6	V
9033	33542.28	46 58N	26 23E	82.0	189.5	2.181	22.40	60.1	SO312	.04070	8.8391	0.6	A
9034	33552.08	45 56N	25 45E	76.8	189.4	2.390	12.95	60.8	SO312	.03070	9.4829	0.6	F
9035	33555.48	45 43N	25 37E	76.3	189.4	2.390	11.20	61.0	SO312	.03070	9.5406	0.4	F
9036	33558.28	45 42N	25 37E	75.4	189.3	2.390	11.20	61.0	SO312	.03070	9.7470	0.4	V
9037	33565.28	45 0N	25 41E	80.0	189.2	2.390	19.25	61.7	SO312	.02200	9.1032	0.8	F
9038	33568.08	45 0N	25 41E	79.3	189.2	2.390	19.60	61.7	SO312	.02200	9.2683	0.8	V
9039	33573.88	44 32N	26 7E	91.2	189.1	2.181	33.60	62.2	SO312	.03070	8.0716	0.8	V
9040	33577.28	44 32N	26 7E	92.7	189.1	2.181	33.95	62.2	SO312	.03070	7.8075	0.8	A
9041	33582.08	44 13N	25 50E	88.1	189.1	2.181	29.75	62.4	SO312	.03070	8.2202	0.4	A
9042	33593.08	43 11N	24 30E	74.2	188.9	2.738	-1.75	62.9	SO312	.03070	9.7882	0.6	F
9043	33600.48	42 45N	23 42E	79.5	188.9	2.530	-23.45	62.9	SO312	.03070	9.1032	0.6	F
9044	33603.28	42 45N	23 42E	78.4	188.8	2.530	-23.10	62.9	SO312	.03070	9.3591	0.6	V
9045	33608.08	42 24N	23 40E	77.4	188.8	2.530	-21.70	63.2	SO312	.03070	9.4829	0.4	V
9046	33611.08	42 24N	23 39E	78.3	188.8	2.738	-21.70	63.2	SO312	.03070	9.2931	0.4	A
9047	33616.68	41 36N	23 44E	75.6	188.7	2.738	-13.65	63.9	SO312	.02200	9.5984	0.6	F
9048	33619.28	41 37N	23 44E	74.7	188.7	2.738	-13.30	63.9	SO312	.02200	9.8377	0.6	V
9049	33630.88	40 40N	22 57E	84.0	188.6	2.530	-29.75	64.4	SO312	.03070	8.5998	0.8	F
9050	33633.88	40 40N	22 57E	82.8	188.6	2.530	-29.40	64.4	SO312	.03070	8.8556	0.6	V
9051	33664.28	38 14N	23 48E	80.2	188.3	2.738	18.55	66.8	SO312	.03070	9.0867	0.6	F
9052	33667.08	38 14N	23 48E	79.4	188.3	2.530	18.90	66.8	SO312	.03070	9.2683	0.6	V
9053	33671.28	37 55N	23 52E	82.2	188.3	2.530	23.10	67.0	SO312	.03070	8.9464	0.6	V
9054	33674.28	37 56N	23 52E	83.5	188.2	2.530	23.45	67.0	SO312	.03070	8.6741	0.6	A
9055	33742.08	32 56N	22 11E	76.4	187.8	2.738	6.30	69.8	SO312	.04070	9.5241	0.4	F
9056	33744.68	32 56N	22 11E	75.6	187.8	2.738	6.65	69.8	SO312	.04070	9.7057	0.4	V
9057	33747.48	32 56N	22 11E	76.6	187.7	2.738	6.65	69.8	SO312	.04070	9.4499	0.4	A
9058	34348.68	8 42S	13 19E	108.2	186.6	3.092	-32.55	54.4	SO312	.02200	6.6191	1.2	F
9059	34352.88	8 44S	13 19E	106.9	186.6	3.092	-32.20	54.4	SO312	.02200	6.7924	2.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
498	9060	34358.08	8 49S	13 18E	107.8	186.6	3.439	-31.85	54.3	SO312	.02200	6.6768	0.8	A
	9061	34437.68	14 55S	13 31E	100.1	186.7	3.232	10.50	49.7	SO312	.03070	7.1885	0.6	F
	9062	34441.68	14 57S	13 36E	101.0	186.7	3.232	13.65	49.7	SO312	.03070	7.1720	1.0	V
	9063	34445.48	14 57S	13 35E	102.7	186.7	3.232	14.00	49.7	SO312	.03070	6.9409	1.0	A
	9064	34452.08	15 44S	14 5E	117.7	186.8	2.530	31.15	49.3	SO312	.02200	6.1569	0.6	V
	9065	34456.48	15 43S	14 5E	120.0	186.8	2.181	31.85	49.4	SO312	.02200	5.9258	0.6	A
499	5001	39065.68	31 54N	0 43W	76.9	187.7	2.738	-15.05	70.0	SO255	.02210	9.4260	0.6	F
	5002	39073.28	31 44N	0 38W	75.9	187.6	3.092	-10.15	70.2	SO255	.02210	9.5746	0.8	A
	9001	38812.88	49 9N	4 27E	75.3	190.0	2.390	6.65	58.1	SO312	.03070	9.8562	1.0	F
	9002	38818.28	49 9N	4 27E	75.5	189.9	2.390	7.35	58.1	SO312	.03070	9.6067	1.0	A
	9003	38847.88	47 6N	2 24E	85.7	189.5	2.181	-32.90	59.4	SO312	.03070	8.5503	0.8	V
	9004	38851.08	47 5N	2 24E	86.5	189.5	2.181	-32.55	59.4	SO312	.03070	8.4017	0.6	A
	9005	38898.68	43 15N	2 59E	79.1	189.0	2.390	17.15	63.1	SO312	.03070	9.2105	0.8	F
	9006	38901.48	43 15N	2 59E	78.4	188.9	2.390	17.50	63.1	SO312	.03070	9.3756	0.8	V
	9007	39007.88	35 54N	0 17W	84.7	188.0	2.390	-29.75	67.5	SO312	.03070	8.5420	1.0	F
	9008	39010.88	35 54N	0 17W	83.5	188.0	2.390	-29.40	67.5	SO312	.04070	8.7896	1.0	V
	9009	39015.68	35 55N	0 31W	87.3	188.0	2.390	-33.95	67.6	SO312	.01650	8.4017	1.0	V
	9010	39018.88	35 55N	0 31W	88.1	188.0	2.738	-33.95	67.6	SO312	.01650	8.2614	1.0	A
	9011	39024.88	34 44N	0 45W	89.5	187.9	2.530	-35.70	68.1	SO312	.03070	8.0551	1.0	F
	9012	39028.08	34 44N	0 45W	88.2	187.9	2.530	-35.35	68.1	SO312	.03070	8.3027	0.8	V
	9013	39031.88	34 28N	0 48W	87.8	187.9	2.530	-35.00	68.3	SO312	.03070	8.3440	1.0	V
	9014	39035.28	34 27N	0 48W	88.7	187.9	2.738	-35.00	68.3	SO312	.03070	8.2119	0.8	A
	9015	39042.08	33 44N	0 43W	82.4	187.8	2.738	-28.70	68.8	SO312	.03070	8.9052	0.8	V
	9016	39045.08	33 45N	0 44W	83.2	187.8	2.738	-28.35	68.8	SO312	.03070	8.7484	1.0	A
	9017	39052.88	32 46N	0 35W	77.9	187.7	2.738	-17.15	69.5	SO312	.03070	9.2931	0.6	F
	9018	39055.68	32 46N	0 35W	77.0	187.7	2.738	-16.80	69.5	SO312	.03070	9.5324	0.6	V
	9019	39070.48	31 44N	0 38W	75.0	187.6	3.092	-10.50	70.2	SO312	.03070	9.7882	0.6	V
	9020	39073.28	31 44N	0 38W	75.9	187.6	3.092	-10.15	70.2	SO312	.03070	9.5737	0.6	A
501	5001	50111.48	2 7N	50 47W	93.0	186.5	3.439	-24.50	63.3	SO312	.02210	7.7339	1.4	F
	5002	50490.48	23 46S	53 18W	136.8	187.1	1.826	38.15	42.1	SO312	.02210	5.2825	0.8	V
	5003	50500.08	24 2S	54 10W	115.1	187.1	2.530	20.30	41.5	SO312	.03080	6.1739	1.0	A
	5004	50513.28	24 57S	53 30W	140.7	187.2	1.690	38.50	41.0	SO312	.02210	5.0266	1.0	A
	9001	50111.48	2 6N	50 47W	93.1	186.5	3.439	-24.50	63.3	SO312	.03070	7.7332	1.4	F
	9002	50372.08	15 21S	52 51W	102.6	186.8	3.092	12.60	49.3	SO312	.03070	6.9409	0.8	A
	9003	50480.88	22 44S	54 8W	109.8	187.1	2.881	14.70	42.6	SO312	.03070	6.4623	1.4	A
502	9001	55619.88	11 47S	75 30W	103.6	186.6	3.439	-28.00	51.8	SO312	.03070	6.9244	0.4	F
	9002	55623.28	11 46S	75 28W	101.5	186.6	3.439	-26.60	51.8	SO312	.03070	7.1555	1.0	V
503	5001	60542.88	14 33N	91 30W	90.8	186.7	2.881	25.20	71.9	SO312	.02210	8.0806	0.4	V
	5002	60546.08	14 33N	91 30W	92.4	186.7	2.881	25.55	71.9	SO312	.02210	7.8082	0.6	A
	9001	60079.28	46 31N	85 30W	74.9	189.4	2.390	-14.00	60.2	SO312	.03070	9.8047	0.6	V
	9002	60174.28	39 52N	86 4W	84.4	188.5	2.390	26.60	65.8	SO312	.02200	8.7071	3.0	V
	9003	60535.28	14 51N	91 31W	89.2	186.7	2.881	22.40	71.9	SO312	.02200	8.1624	0.4	F
	9004	60538.28	14 52N	91 31W	88.6	186.7	2.881	22.75	71.9	SO312	.03070	8.2697	0.6	V
504	5001	65589.48	32 12N	110 52W	75.0	187.7	3.092	-3.85	70.1	SO312	.02210	9.6901	0.6	F
	5002	65594.68	32 13N	110 52W	75.2	187.7	3.092	-2.80	70.1	SO312	.02210	9.6571	0.8	A
	5003	65666.48	26 54N	111 60W	76.5	187.3	3.232	-4.20	72.1	SO312	.03080	9.4920	0.6	F
	5004	65669.08	26 54N	111 60W	75.7	187.3	3.232	-3.85	72.1	SO312	.03080	9.6901	0.6	V
	9001	65589.28	32 13N	110 52W	75.0	187.7	3.092	-3.85	70.1	SO312	.02200	9.6892	0.6	F
	9002	65594.68	32 12N	110 52W	75.1	187.7	3.092	-2.80	70.1	SO312	.02200	9.6562	0.6	A
508	9001	1409.48	35 15S	149 10E	132.1	187.9	2.181	26.60	31.0	SO312	.03070	5.4059	1.2	F
	9002	1419.28	35 15S	149 10E	134.0	188.0	1.826	27.65	31.0	SO312	.03070	5.2573	1.2	A
509	5001	5524.88	46 42N	142 49E	77.9	189.5	2.390	15.05	60.4	SO312	.03080	9.3600	0.6	F
	5002	5527.68	46 42N	142 48E	77.0	189.5	2.390	15.05	60.4	SO312	.03080	9.5416	0.4	V
	9001	5516.48	47 18N	142 47E	75.8	189.6	2.530	8.75	59.8	SO312	.03070	9.6067	0.8	F
	9002	5519.28	47 17N	142 47E	76.0	189.6	2.530	9.10	59.9	SO312	.03070	9.8047	0.8	V
	9003	5528.28	46 39N	142 47E	77.0	189.5	2.390	15.05	60.4	SO312	.04070	9.5406	0.6	V
	9004	5531.28	46 38N	142 47E	78.1	189.5	2.390	15.40	60.5	SO312	.04070	9.2765	0.6	A
510	5001	10787.08	50 31N	120 9E	85.8	190.2	2.037	-33.60	56.7	SO312	.02210	8.4933	0.4	A
	5002	10802.28	48 52N	121 36E	80.2	189.9	2.390	20.30	58.7	SO312	.03080	9.0876	0.4	F
	5003	10880.28	44 1N	119 9E	74.0	189.0	2.738	-8.40	62.3	SO312	.03080	9.8304	0.6	A
	5004	10910.68	41 24N	119 37E	86.7	188.7	2.390	28.35	64.8	SO312	.02210	8.4273	0.6	F
	5005	10940.88	40 0N	117 8E	90.4	188.4	2.390	-36.40	64.9	SO312	.02210	8.0641	0.4	A
	5006	10946.28	39 10N	117 16E	83.2	188.4	2.530	-28.70	65.6	SO312	.02210	8.6914	0.6	F
	5007	10950.08	39 7N	117 11E	83.4	188.4	2.530	-30.10	65.6	SO312	.02210	8.7904	0.6	V
	5008	10953.08	39 8N	117 11E	84.3	188.3	2.738	-30.10	65.6	SO312	.02210	8.6501	0.6	A
	5009	10982.08	36 46N	118 5E	80.1	188.1	2.738	19.60	67.9	SO312	.02210	9.1701	0.6	V
	5010	10985.68	36 43N	118 0E	80.0	188.1	2.738	17.50	67.9	SO312	.02210	9.0628	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
510 5011	10991.48	36 20N	117 47E	78.1	188.1	2.738	13.65	68.1	SO312	.02210	9.2857	0.4	A
5012	10995.48	36 4N	117 41E	77.5	188.0	2.738	11.90	68.2	SO312	.03080	9.3600	0.8	A
5013	11002.88	35 36N	117 7E	75.1	188.0	3.092	-4.55	68.3	SO312	.02210	9.8819	0.4	A
5014	11007.88	34 53N	116 57E	75.1	187.9	3.092	-5.95	68.7	SO312	.03080	9.6736	0.4	F
5015	11013.68	34 49N	117 16E	76.4	187.9	2.881	7.35	68.9	SO312	.02210	9.5003	0.6	A
5016	11017.88	34 20N	117 11E	75.8	187.9	2.881	8.40	69.2	SO312	.02210	9.6984	0.6	V
5017	11019.48	34 14N	117 10E	75.7	187.9	2.881	8.40	69.3	SO312	.02210	9.7066	0.4	V
5018	11025.88	34 1N	116 48E	75.2	187.8	3.092	-2.80	69.2	SO312	.03080	9.6654	0.4	A
5019	11030.48	33 40N	116 59E	76.4	187.8	2.881	6.65	69.6	SO312	.03080	9.5003	0.4	A
5020	11081.68	29 50N	115 31E	78.6	187.5	3.092	-18.20	70.9	SO312	.04000	9.2197	0.6	F
5021	11084.28	29 51N	115 31E	77.7	187.5	3.092	-17.85	70.9	SO312	.04000	9.4508	0.6	V
9001	10689.28	56 55N	124 54E	82.5	191.9	1.690	23.10	51.6	SO312	.03070	8.7896	0.6	A
9002	10747.68	53 2N	122 26E	74.9	190.8	2.181	3.15	54.9	SO312	.03070	9.6809	0.4	A
9003	10867.28	44 34N	120 39E	88.5	189.1	2.181	31.50	62.3	SO312	.03070	8.3192	0.6	V
9004	10887.68	43 33N	118 41E	77.1	188.9	2.738	-18.90	62.6	SO312	.02200	9.4251	0.4	A
9005	10916.48	41 2N	119 22E	83.3	188.7	2.530	24.50	65.0	SO312	.03070	8.7401	0.6	F
9006	10932.48	40 8N	117 7E	92.0	188.5	2.181	-37.80	64.7	SO312	.02200	7.8653	0.6	F
9007	10936.88	40 3N	117 6E	90.8	188.5	2.390	-37.80	64.8	SO312	.02200	8.0799	0.4	V
9008	10949.88	39 8N	117 11E	83.4	188.4	2.530	-30.10	65.6	SO312	.03070	8.7896	0.4	V
9009	11100.48	28 39N	115 56E	76.7	187.4	3.092	7.70	71.9	SO312	.03070	9.5654	0.6	V
9010	11103.28	28 39N	115 55E	77.8	187.4	3.092	8.05	71.9	SO312	.03070	9.3013	0.6	A
9011	11120.88	27 8N	114 58E	79.1	187.3	3.092	-17.85	71.8	SO312	.02200	9.1527	0.8	F
9012	11124.88	26 51N	114 51E	80.1	187.3	3.092	-20.30	71.9	SO312	.03070	9.0290	0.4	F
9013	11136.68	26 22N	115 22E	77.4	187.2	3.092	4.55	72.5	SO312	.03070	9.3508	0.6	A
9014	11148.28	25 16N	114 10E	88.7	187.2	2.881	-32.55	71.9	SO312	.02200	8.1294	0.6	F
9015	11151.48	25 16N	114 10E	87.2	187.2	2.881	-31.85	71.9	SO312	.03070	8.4017	0.6	V
9016	11157.08	24 39N	114 14E	84.0	187.2	3.092	-26.60	72.1	SO312	.03070	8.6081	0.4	F
9017	11163.08	24 39N	114 14E	83.6	187.1	3.232	-25.90	72.1	SO312	.03070	8.6623	0.4	A
9018	11176.88	23 17N	114 5E	82.4	187.1	3.092	-22.75	72.3	SO312	.03070	8.7731	1.0	F
9019	11181.08	22 59N	114 7E	80.9	187.1	3.092	-19.25	72.4	SO312	.03070	8.9464	0.6	F
9020	11188.88	22 51N	114 1E	81.8	187.0	3.232	-21.00	72.4	SO312	.03070	8.8639	0.4	A
511 5001	15999.48	56 35N	101 23E	75.0	191.9	1.826	-7.00	51.7	SO312	.03080	9.6819	0.6	F
5002	16002.08	56 35N	101 23E	74.1	191.8	1.826	-6.65	51.7	SO312	.03080	9.9130	0.6	V
5003	16011.08	56 7N	101 40E	75.6	191.6	2.037	5.60	52.2	SO312	.04000	9.6158	0.6	A
5004	16034.48	54 34N	100 36E	74.6	191.2	2.037	-4.90	53.5	SO312	.04000	9.7479	0.6	A
5005	16276.68	37 37N	95 43E	73.3	188.2	2.881	3.50	67.1	SO312	.03080	9.9377	0.6	F
5006	16279.28	37 37N	95 43E	72.6	188.2	2.881	3.85	67.1	SO312	.03080	10.1276	0.6	V
5007	16291.28	36 49N	95 21E	72.9	188.1	2.881	-2.45	67.6	SO312	.03080	10.0863	0.4	V
9001	16007.48	56 11N	101 55E	74.1	191.7	2.037	2.45	52.1	SO312	.03070	9.9203	0.4	V
9002	16499.48	22 20N	91 49E	82.1	187.0	3.232	-21.35	72.4	SO312	.03070	8.7979	0.6	F
9003	16505.28	22 20N	91 49E	81.8	187.0	3.232	-20.30	72.4	SO312	.03070	8.8639	0.8	A
512 5001	21581.68	38 11N	73 58E	75.8	188.3	2.738	12.60	66.9	SO312	.02210	9.5746	0.4	A
5002	21635.08	34 22N	72 39E	73.7	187.9	2.881	-3.15	69.0	SO312	.03080	9.9625	0.4	V
5003	21638.88	34 18N	72 42E	74.6	187.8	3.092	-0.35	69.1	SO312	.03080	9.7314	0.6	A
5004	21667.88	32 4N	72 40E	79.3	187.7	2.738	16.80	70.6	SO312	.02210	9.2527	0.4	V
5005	21670.68	32 4N	72 40E	80.6	187.7	2.738	17.15	70.6	SO312	.02210	8.9885	0.6	A
9001	21398.48	50 12N	78 23E	91.2	190.2	2.037	32.90	57.7	SO312	.03070	7.9973	0.6	F
9002	21401.68	50 12N	78 23E	90.3	190.2	1.826	33.25	57.7	SO312	.03070	8.1211	0.6	V
9003	21408.08	49 46N	78 8E	88.2	190.1	2.037	31.50	58.0	SO312	.03070	8.3357	0.8	V
9004	21411.28	49 47N	78 8E	89.4	190.1	1.826	31.85	58.0	SO312	.03070	8.1046	1.0	A
9005	21622.28	35 8N	71 59E	85.5	188.0	2.530	-31.85	68.1	SO312	.03070	8.4430	1.0	F
9006	21626.08	34 52N	71 59E	84.7	187.9	2.530	-30.45	68.3	SO312	.03070	8.5255	1.0	F
9007	21639.68	34 14N	72 41E	74.8	187.8	3.092	-0.35	69.2	SO312	.03070	9.7305	0.8	A
9008	21647.48	33 40N	72 58E	79.0	187.8	2.738	15.05	69.7	SO312	.02200	9.1527	0.8	A
9009	21689.48	30 47N	72 17E	79.2	187.6	2.881	13.65	71.2	SO312	.02200	9.1280	0.8	A
513 5001	26670.88	52 48N	55 47E	74.4	190.8	2.181	-3.15	55.1	SO312	.04000	9.7644	0.6	F
5002	26673.48	52 48N	55 48E	73.6	190.8	2.181	-2.80	55.1	SO312	.04000	9.9873	0.6	V
5003	26687.48	52 4N	55 20E	74.9	190.5	2.390	-8.05	55.7	SO312	.04000	9.7231	0.6	A
5004	26740.28	48 7N	53 45E	76.6	189.8	2.390	-16.45	59.0	SO312	.03080	9.4508	0.4	F
5005	26745.68	48 7N	53 45E	76.5	189.7	2.390	-15.75	59.0	SO312	.03080	9.5003	0.6	A
5006	26859.88	39 57N	52 55E	87.7	188.5	2.181	30.10	65.9	SO312	.01660	8.3943	0.6	V
5007	26863.08	39 57N	52 55E	89.2	188.5	2.181	30.45	65.9	SO312	.01660	8.1301	0.6	A
5008	26921.08	35 48N	51 29E	79.0	188.0	2.530	18.90	68.6	SO312	.02210	9.3022	0.6	V
5009	26923.88	35 48N	51 29E	80.3	188.0	2.530	19.25	68.6	SO312	.02210	9.0381	0.6	A
5010	27652.28	14 31S	40 41E	108.6	186.7	3.232	-28.00	49.2	SO312	.03080	6.5866	0.4	F
9001	26459.48	67 7N	62 40E	80.1	196.9	1.135	-18.20	42.0	SO312	.02200	9.0372	0.8	F
9002	26462.28	67 7N	62 39E	79.1	196.8	1.135	-18.20	41.9	SO312	.03070	9.2683	0.8	V
9003	26677.28	52 21N	55 43E	74.4	190.7	2.390	-0.70	55.5	SO312	.04070	9.7635	0.8	F
9004	26682.48	52 22N	55 43E	74.5	190.6	2.181	0.00	55.5	SO312	.04070	9.7470	1.0	A
9005	26740.68	48 5N	53 44E	76.7	189.8	2.390	-16.45	59.0	SO312	.03070	9.4499	1.0	F
9006	26746.28	48 5N	53 44E	76.5	189.7	2.390	-15.75	59.0	SO312	.03070	9.4994	0.8	A
9007	26855.28	40 3N	52 57E	88.5	188.5	2.390	29.75	65.8	SO312	.03070	8.2449	0.6	F
9008	26952.28	33 47N	49 51E	79.0	187.8	2.881	-23.45	69.0	SO312	.03070	9.2848	0.8	V
9009	27052.28	26 58N	49 43E	87.5	187.3	2.530	25.55	72.8	SO312	.03070	8.2532	0.8	A
9010	27184.68	17 32N	47 8E	79.5	186.8	3.439	-3.50	72.2	SO312	.03070	9.1115	0.6	F
9011	27187.48	17 32N	47 8E	78.7	186.8	3.439	-3.15	72.2	SO312	.03070	9.3013	0.6	V
9012	27224.88	14 49N	45 44E	96.6	186.7	2.881	-36.40	70.4	SO312	.01650	7.4444	1.0	F
9013	27228.28	14 49N	45 44E	95.0	186.7	3.092	-36.05	70.5	SO312	.01650	7.7002	1.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
514 5001	31883.88	59 19N	36 49E	74.7	192.8	1.826	4.55	49.3	SO312	.04000	9.8387	0.4	V
5002	31886.68	59 19N	36 49E	75.7	192.7	1.826	4.90	49.3	SO312	.04000	9.6076	0.4	A
5003	31916.48	56 54N	35 56E	76.9	192.0	2.037	11.20	51.6	SO312	.04000	9.4673	0.4	F
5004	31919.08	56 55N	35 57E	76.2	192.0	2.037	11.55	51.6	SO312	.04000	9.6489	0.6	V
5005	31925.68	56 9N	36 30E	88.8	191.8	1.826	30.45	52.4	SO312	.03080	8.2292	0.6	F
5006	31930.88	56 3N	36 9E	82.9	191.7	1.826	24.85	52.4	SO312	.03080	8.8895	0.6	V
5007	31934.08	56 2N	36 8E	83.9	191.6	1.826	24.85	52.5	SO312	.03080	8.6666	0.6	A
5008	31948.88	54 36N	35 43E	87.1	191.3	2.037	28.70	53.8	SO312	.03080	8.3777	0.4	F
5009	31951.28	54 2nN	35 38E	86.7	191.3	2.037	28.35	53.9	SO312	.03080	8.4108	0.4	F
5010	31952.48	54 21N	35 35E	86.7	191.3	2.037	28.35	54.0	SO312	.03080	8.4108	0.6	F
5011	31993.68	51 42N	33 31E	74.7	190.5	2.390	3.50	56.1	SO312	.04000	9.7314	0.6	F
5012	31997.08	51 40E	33 28E	73.8	190.5	2.181	2.80	56.2	SO312	.04000	9.9625	0.4	V
5013	31999.68	51 40W	33 28E	74.8	190.5	2.181	3.15	56.2	SO312	.04000	9.7231	0.6	A
5014	32019.48	50 11N	32 32E	74.0	190.2	2.390	-9.10	57.3	SO312	.04000	9.9295	0.6	V
5015	32022.28	50 10N	32 32E	74.9	190.1	2.390	-8.75	57.3	SO312	.04000	9.7231	0.6	A
5016	32027.48	49 28N	32 2E	76.8	190.0	2.181	-16.80	57.4	SO312	.03080	9.4425	0.4	F
5017	32030.88	49 15N	31 52E	77.9	190.0	2.181	-19.60	58.0	SO312	.03080	9.3104	0.4	F
5018	32038.48	48 52N	32 17E	73.4	189.9	2.390	-3.50	58.5	SO312	.04000	10.0038	0.4	V
5019	32041.28	48 51N	32 17E	74.4	189.8	2.390	-3.15	58.5	SO312	.03080	9.7809	0.4	A
5020	32047.08	48 8N	31 33E	77.6	189.8	2.390	-19.25	58.9	SO312	.03080	9.3517	1.2	F
5021	32051.88	47 50N	31 13E	80.8	189.7	2.181	-25.20	59.1	SO312	.03080	8.9638	0.4	F
5022	32062.68	46 59N	32 7E	75.9	189.6	2.530	9.10	60.2	SO312	.03080	9.5993	0.8	F
5023	32065.68	46 57N	32 7E	75.1	189.5	2.530	9.45	60.2	SO312	.03080	9.7892	0.6	V
5024	32069.88	46 51N	32 14E	77.9	189.5	2.530	14.35	60.3	SO312	.03080	9.3352	0.8	A
9001	31903.08	57 46N	36 40E	80.0	192.3	2.037	18.20	50.8	SO312	.04070	9.0950	0.8	F
9002	31908.88	57 45N	36 41E	80.4	192.2	1.826	19.25	50.9	SO312	.04070	9.0207	0.8	A
9003	31939.88	55 27N	35 47E	81.6	191.5	1.826	23.10	53.0	SO312	.03070	9.0207	0.8	V
9004	31942.88	55 27N	35 47E	82.8	191.5	1.826	23.45	53.0	SO312	.03070	8.7566	0.8	A
9005	31964.88	53 45N	33 21E	78.9	191.0	2.037	-21.00	54.2	SO312	.03070	9.1940	0.8	F
9006	31967.68	53 45N	33 21E	77.8	191.0	2.037	-20.65	54.2	SO312	.04070	9.4499	0.8	V
9007	32010.88	50 37N	32 20E	77.7	190.3	2.181	-18.90	56.9	SO312	.03070	9.3261	0.8	F
9008	32013.68	50 36N	32 20E	76.7	190.2	2.181	-18.55	56.9	SO312	.03070	9.5737	0.8	V
9009	32291.28	31 23N	27 12E	81.6	187.6	2.881	-24.50	70.2	SO312	.03070	8.8556	0.8	F
9010	32294.08	31 23N	27 12E	80.5	187.6	2.881	-24.15	70.2	SO312	.03070	9.1032	0.8	V
515 5001	37270.48	53 47N	13 16E	86.6	191.1	1.826	29.40	54.5	SO312	.03080	8.5016	0.6	V
5002	37274.88	53 19N	12 47E	82.2	191.0	2.037	22.75	54.9	SO312	.03080	8.8647	0.6	F
5003	37277.68	53 19N	12 47E	81.6	190.9	2.037	23.10	54.9	SO312	.03080	9.0133	0.6	V
5004	37288.68	52 21N	12 36E	85.7	190.7	2.037	27.30	55.8	SO312	.03080	8.5098	0.4	F
5005	37300.28	51 37N	11 58E	80.0	190.5	2.181	19.25	56.4	SO312	.03080	9.1206	0.4	F
5006	37303.68	51 22N	11 59E	81.7	190.5	2.181	22.05	56.6	SO312	.03080	8.9308	0.4	F
5007	37308.08	51 28N	11 57E	81.2	190.4	2.181	21.00	56.5	SO312	.03080	8.9473	0.6	A
5008	37312.48	50 59N	11 37E	77.8	190.4	2.181	16.80	56.9	SO312	.03080	9.4590	0.6	V
5009	37315.28	50 60N	11 38E	78.9	190.3	2.181	17.15	56.9	SO312	.03080	9.2114	0.6	A
5010	37347.48	48 24N	10 51E	80.2	189.9	2.390	19.95	59.1	SO312	.03080	9.0876	0.4	F
5011	37391.08	45 31N	9 13E	74.2	189.3	2.530	-2.10	61.3	SO312	.03080	9.7974	0.6	F
5012	37393.68	45 31N	9 13E	73.4	189.3	2.530	-1.75	61.3	SO312	.03080	10.0038	0.6	V
5013	37574.28	33 8N	6 4E	74.6	187.8	2.881	-2.45	69.8	SO312	.03080	9.8387	0.4	V
5014	37576.88	33 9N	6 3E	75.6	187.7	3.092	-2.45	69.8	SO312	.03080	9.6076	0.6	A
9001	37255.48	54 38N	13 14E	81.1	191.3	2.037	20.65	53.7	SO312	.04070	8.9794	1.0	F
9002	37258.48	54 38N	13 14E	80.4	191.3	2.037	21.00	53.7	SO312	.04070	9.1445	0.8	V
9003	37262.88	54 20N	13 7E	80.6	191.2	2.037	21.35	54.0	SO312	.04070	9.1280	0.6	V
9004	37266.08	54 19N	13 8E	81.8	191.1	1.826	22.05	54.0	SO312	.04070	8.8639	0.4	A
9005	37280.68	53 7N	12 41E	81.3	190.9	2.037	22.75	55.1	SO312	.03070	9.0372	0.8	V
9006	37283.68	53 7N	12 41E	82.5	190.8	2.037	23.10	55.1	SO312	.03070	8.7731	0.8	A
9007	37293.88	52 2N	12 10E	80.7	190.6	2.181	20.30	56.0	SO312	.03070	9.0290	1.0	F
9008	37296.88	52 2N	12 9E	79.8	190.6	2.181	20.30	56.0	SO312	.03070	9.2188	0.8	V
9009	37319.48	50 43N	11 20E	76.7	190.2	2.181	11.90	57.1	SO312	.03070	9.4581	0.4	A
9010	37353.68	48 2N	10 15E	74.9	189.8	2.530	6.30	59.3	SO312	.02200	9.7222	1.2	F
9011	37359.08	48 2N	10 15E	75.1	189.7	2.530	7.00	59.3	SO312	.02200	9.6644	1.2	A
9012	37515.08	36 53N	7 47E	85.5	188.2	2.530	25.90	68.0	SO312	.03070	8.5420	0.6	F
9013	37518.08	36 54N	7 47E	84.8	188.1	2.530	26.25	68.0	SO312	.03070	8.6741	0.6	V
9014	37524.28	36 30N	7 27E	79.8	188.1	2.530	19.25	68.1	SO312	.03070	9.2105	0.6	V
9015	37527.28	36 29N	7 26E	81.1	188.1	2.530	19.60	68.2	SO312	.03070	8.9299	0.6	A
9016	37589.08	31 58N	5 25E	78.0	187.7	2.881	-17.15	70.1	SO312	.01650	9.2765	0.8	F
9017	37591.88	31 58N	5 25E	77.1	187.7	2.881	-16.80	70.1	SO312	.02200	9.5159	0.8	V
9018	37962.88	6 8N	1 14E	87.5	186.5	3.232	10.85	66.8	SO312	.03070	8.2862	0.4	F
9019	37965.88	6 9N	1 15E	87.0	186.5	3.232	11.55	66.8	SO312	.03070	8.4017	0.4	V
517 5001	48840.48	11 36S	46 51W	98.5	186.6	3.587	-16.45	52.0	SO312	.03080	7.2800	0.8	A
5002	48868.28	20 49S	48 14W	102.8	186.9	3.439	-8.40	43.8	SO312	.03080	6.9581	0.6	F
5003	49003.08	22 53S	49 5W	107.3	187.1	3.439	-19.25	41.7	SO312	.03080	6.7269	0.6	V
5004	49043.88	25 25S	49 15W	107.6	187.2	3.232	-8.40	39.6	SO312	.03080	6.6196	0.6	A
9001	48877.48	14 30S	46 10W	107.7	186.7	2.738	23.10	50.1	SO312	.03070	6.7181	1.4	V
9002	48890.28	15 31S	47 20W	98.8	186.7	3.439	-9.80	48.6	SO312	.03070	7.2628	1.4	F
9003	48896.08	15 39S	47 32W	99.3	186.8	3.439	-15.05	48.4	SO312	.03070	7.2958	1.4	V
9004	48904.68	15 55S	47 58W	107.5	186.8	3.587	-28.25	48.0	SO312	.03070	6.6603	0.8	A
9005	48909.28	16 14S	47 58W	106.2	186.8	3.587	-24.15	47.7	SO312	.03070	6.7346	0.8	A
9006	48916.68	16 38S	48 37W	122.6	186.8	3.439	-38.50	47.1	SO312	.02200	5.8515	1.4	A
9007	48949.68	19 13S	48 55W	117.2	186.9	3.232	-33.95	44.8	SO312	.03070	6.1569	0.8	V
9008	48957.88	20 5S	48 41W	109.1	186.9	3.232	-23.80	44.2	SO312	.03070	6.5365	1.4	F
9009	48974.88	21 6S	47 46W	104.8	187.0	3.232	10.50	43.9	SO312	.03070	6.8914	1.4	V
9010	48982.28	21 57S	47 20W	118.4	187.0	2.530	26.25	43.3	SO312	.03070	6.0496	1.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
517 9011	48986.48	21 57S	47 20W	117.7	187.8	2.530	26.60	43.3	SO312	.03070	6.1156	1.4	V
9012	48991.28	21 58S	47 25W	117.9	187.0	2.530	24.85	43.3	SO312	.03070	6.0001	0.8	A
9013	49009.68	22 56S	49 53W	127.9	187.1	3.439	-37.80	41.3	SO312	.02200	5.5875	3.8	A
9014	49031.88	25 5S	50 8W	124.0	187.2	3.092	-33.95	39.4	SO312	.03070	5.7360	0.4	F
518 5001	54229.88	17 53S	70 9W	103.4	186.8	3.439	-18.55	46.3	SO312	.01660	6.9164	0.6	F
5002	54235.48	18 0S	70 14W	103.5	186.8	3.439	-19.60	46.2	SO312	.01660	6.9911	0.6	V
5003	54261.48	20 7S	69 45W	103.5	186.9	3.092	8.05	44.7	SO312	.03080	6.9333	0.4	F
5004	54267.08	20 13S	70 9W	101.2	186.9	3.232	-3.50	44.4	SO312	.03080	7.1396	0.8	V
5005	54321.68	23 41S	70 26W	107.9	187.1	3.092	8.75	41.4	SO312	.03080	6.5866	0.6	A
5006	54413.08	29 53S	71 16W	119.2	187.5	2.530	18.90	35.8	SO312	.03080	5.9428	0.6	A
5007	54487.68	34 54S	72 10W	126.2	187.9	2.181	21.70	31.1	SO312	.03080	5.5961	0.6	A
9001	54128.88	11 0S	68 48W	97.5	186.6	3.587	-16.10	52.5	SO312	.03070	7.3453	1.0	F
9002	54211.88	16 14S	69 17W	97.8	186.8	3.439	0.70	48.1	SO312	.03070	7.2958	1.2	A
9003	54220.28	16 45S	69 52W	100.0	186.8	3.587	-15.40	47.4	SO312	.03070	7.1555	0.6	A
9004	54238.68	18 29S	70 17W	104.7	186.8	3.439	-18.90	45.8	SO312	.03070	6.8754	0.6	F
9005	54241.68	18 26S	70 18W	103.9	186.9	3.439	-19.25	45.8	SO312	.03070	6.9575	1.2	V
9006	54246.48	18 30S	70 17W	104.8	186.9	3.439	-17.85	45.8	SO312	.03070	6.8172	0.4	A
9007	54253.88	19 35S	69 54W	101.4	186.9	3.232	0.00	45.1	SO312	.02200	7.0647	1.4	F
9008	54266.68	20 11S	70 9W	101.2	186.9	3.232	-3.50	44.5	SO312	.03070	7.1390	1.0	V
9009	54271.28	20 30S	70 10W	101.5	186.9	3.232	-2.45	44.2	SO312	.02200	7.1225	1.0	V
9010	54275.68	20 30S	70 10W	103.0	187.0	3.232	-1.75	44.2	SO312	.02200	6.9079	1.0	A
9011	54313.48	23 24S	70 26W	105.1	187.1	3.092	6.30	41.7	SO312	.02200	6.8584	1.2	V
9012	54317.48	23 24S	70 26W	106.9	187.1	3.092	7.00	41.7	SO312	.02200	6.6356	1.2	A
9013	54393.08	28 33S	70 44W	123.6	187.4	2.181	25.20	37.2	SO312	.03070	5.7195	1.4	A
9014	54404.08	29 53S	71 11W	119.2	187.5	2.530	19.95	35.8	SO312	.02200	6.0001	1.4	F
519 9001	58668.28	41 36N	81 27W	90.5	188.7	2.181	-36.75	63.8	SO312	.02200	7.9643	3.0	F
520 5001	64165.68	28 10N	105 30W	75.6	187.4	3.092	-2.80	71.9	SO312	.03080	9.6076	0.4	F
5002	64168.28	28 10N	105 30W	74.8	187.4	3.092	-2.45	71.9	SO312	.03080	9.8057	0.6	V
9001	64185.28	26 52N	106 29W	84.8	187.3	2.881	-29.75	71.7	SO312	.03070	8.5090	1.0	F
9002	64188.28	26 52N	106 29W	83.6	187.3	2.881	-29.40	71.7	SO312	.03070	8.7566	1.0	V
9003	64193.28	26 31N	106 28W	81.3	187.3	2.881	-26.60	71.9	SO312	.03070	9.0124	0.8	V
9004	64196.28	26 31N	106 29W	82.2	187.2	3.092	-26.60	71.9	SO312	.03070	8.8391	0.8	A
523 9001	80757.08	17 39S	178 50E	116.3	186.8	3.587	-32.55	46.2	SO312	.03070	6.1817	1.0	A
9002	81035.48	37 8S	175 34E	118.0	188.1	2.881	-8.40	28.4	SO312	.03070	6.0249	0.8	F
9003	81061.28	38 16S	175 10E	120.1	188.3	2.881	-10.15	27.3	SO312	.03070	5.8846	1.4	A
524 9001	84858.28	64 47N	177 54E	78.3	195.3	1.338	-16.80	44.3	SO312	.04070	9.3756	0.6	V
9002	84861.08	64 48N	177 54E	79.2	195.2	1.338	-16.80	44.3	SO312	.04070	9.1775	0.6	A
526 5001	9262.27	52 4N	128 4E	74.3	190.6	2.181	-4.55	55.9	SO312	.04000	9.7727	0.6	F
5002	9264.87	52 4N	128 4E	73.5	190.6	2.181	-4.20	55.9	SO312	.04000	9.9955	0.6	V
5003	9272.27	51 16N	128 41E	80.4	190.5	2.181	19.95	56.8	SO312	.03080	9.0546	0.6	F
5004	9275.28	51 16N	128 42E	79.9	190.4	2.181	20.65	56.8	SO312	.03080	9.2114	0.6	V
5005	9293.67	50 17N	127 31E	74.4	190.1	2.390	-2.10	57.5	SO312	.04000	9.7809	0.6	A
5006	9355.48	45 37N	126 39E	78.3	189.3	2.530	16.10	61.5	SO312	.03080	9.2774	0.6	F
5007	9358.28	45 37N	126 39E	77.7	189.3	2.530	16.45	61.5	SO312	.03080	9.4590	0.6	V
5008	9361.07	45 37N	126 39E	78.8	189.3	2.530	16.80	61.5	SO312	.03080	9.1949	0.6	A
5009	9457.27	38 36N	124 60E	84.2	188.4	2.530	24.85	67.0	SO312	.04000	8.6749	0.4	F
5010	9460.27	38 36N	124 60E	83.6	188.3	2.530	25.20	67.0	SO312	.04000	8.8070	0.4	V
9001	9281.48	50 48N	128 48E	84.3	190.3	2.037	26.95	57.3	SO312	.02200	8.7236	0.8	V
9002	9284.68	50 48N	128 48E	85.6	190.3	2.037	27.30	57.3	SO312	.02200	8.4595	0.8	A
9003	9293.07	50 19N	127 32E	74.3	190.2	2.390	-2.10	57.4	SO312	.03070	9.7800	0.4	A
9004	9298.28	49 48N	127 13E	73.1	190.1	2.390	-6.30	57.8	SO312	.03070	10.0606	0.6	V
9005	9333.27	47 39N	126 6E	77.5	189.6	2.390	-18.90	59.5	SO312	.03070	9.3838	1.2	A
9006	9355.27	45 38N	126 39E	78.4	189.3	2.530	16.10	61.5	SO312	.02200	9.2765	0.8	F
9007	9358.08	45 38N	126 39E	77.7	189.3	2.530	16.45	61.5	SO312	.02200	9.4581	0.8	V
9008	9464.68	38 16N	125 10E	89.9	188.3	2.181	32.20	67.3	SO312	.02200	8.1954	1.0	V
9009	9468.67	38 13N	125 13E	93.0	188.3	2.181	33.95	67.4	SO312	.02200	7.7828	0.4	A
9010	9472.68	37 57N	125 6E	91.8	188.2	2.181	32.90	67.6	SO312	.02200	7.8818	0.8	A
9011	9565.27	31 22N	121 25E	94.0	187.6	2.390	-38.50	70.0	SO312	.02200	7.6837	1.0	F
9012	9568.67	31 21N	121 25E	92.6	187.6	2.390	-38.15	70.0	SO312	.02200	7.9231	0.8	V
9013	9570.47	31 14N	121 23E	92.6	187.6	2.390	-38.15	70.0	SO312	.02200	7.9231	0.4	V
9014	9573.87	31 14N	121 23E	93.4	187.6	2.738	-38.15	70.1	SO312	.02200	7.7993	0.4	A
527 5001	14499.67	57 24N	107 0E	83.9	192.0	1.826	-28.70	51.0	SO312	.03080	8.6914	0.4	A
5002	14574.07	52 6N	107 17E	87.4	190.6	1.826	29.75	56.2	SO312	.02210	8.3117	0.4	A
5003	14583.67	51 17N	106 33E	79.2	190.4	2.181	19.95	56.8	SO312	.03080	9.2939	0.4	V
5004	14599.67	50 24N	106 8E	79.0	190.2	2.181	17.85	57.6	SO312	.03080	9.1949	0.6	A
5005	14607.07	49 29N	105 57E	80.3	190.1	2.181	20.65	58.4	SO312	.02210	9.0793	0.6	F
5006	14613.87	49 28N	105 60E	81.8	190.0	2.037	22.75	58.4	SO312	.03080	8.8647	0.4	A
5007	14731.67	41 25N	102 52E	74.0	188.6	2.738	1.75	64.6	SO312	.03080	9.8222	0.6	A
5008	14763.47	38 58N	101 8E	87.2	188.4	2.390	-34.65	65.8	SO312	.03080	8.2952	0.4	F
5009	14766.47	38 58N	101 8E	85.9	188.3	2.390	-34.30	65.8	SO312	.03080	8.5428	0.6	V
5010	14769.27	38 46N	101 6E	85.7	188.3	2.390	-33.95	66.0	SO312	.03080	8.5676	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
527 5011	14772.27	38 47N	101 6E	86.5	188.3	2.390	-33.60	66.0	SO312	.03080	8.4273	0.6	A
5012	14779.27	38 5N	100 58E	84.4	188.2	2.390	-33.60	66.4	SO312	.03080	8.6996	0.6	V
5013	14782.47	38 5N	100 58E	85.2	188.2	2.390	-33.25	66.4	SO312	.03080	8.5593	0.4	A
5014	14804.27	36 26N	101 39E	73.5	188.1	2.881	2.80	68.1	SO312	.03080	9.8882	0.4	A
5015	14871.87	31 46N	100 46E	75.3	187.6	2.881	10.15	70.8	SO312	.03080	9.6489	0.6	A
5016	14944.87	26 44N	100 2E	83.2	187.4	2.738	22.40	72.9	SO312	.03080	8.6914	0.6	A
5017	14951.67	26 2N	100 7E	88.0	187.2	2.530	28.70	73.3	SO312	.03080	8.3612	0.4	V
5018	14961.47	25 16N	99 6E	75.3	187.2	3.232	-3.50	72.7	SO312	.03080	9.6489	0.4	F
5019	14968.67	24 53N	99 38E	82.4	187.2	2.738	21.00	73.3	SO312	.03080	8.8977	1.0	V
5020	14972.67	24 49N	99 39E	84.6	187.2	2.738	22.05	73.3	SO312	.03080	8.5428	0.6	A
5021	14983.47	23 40N	99 24E	83.2	187.1	2.881	20.30	73.4	SO312	.03080	8.7657	0.4	F
5022	14996.67	23 20N	97 58E	87.6	187.1	3.232	-30.80	72.2	SO312	.03080	8.3200	0.8	A
5023	15004.27	22 32N	98 24E	76.9	187.0	3.232	-9.80	72.7	SO312	.03080	9.5333	0.8	V
5024	15007.87	22 17N	98 21E	76.6	187.0	3.232	-10.15	72.7	SO312	.03080	9.5828	0.8	V
9001	14589.47	50 43N	106 9E	77.4	190.3	2.390	14.35	57.3	SO312	.03070	9.4003	1.0	F
9002	14595.07	50 43N	106 9E	77.8	190.2	2.181	15.40	57.3	SO312	.03070	9.3178	1.0	A
9003	14599.07	50 28N	106 9E	79.0	190.2	2.181	17.85	57.5	SO312	.03070	9.1940	0.8	A
9004	14791.87	36 60N	100 55E	81.4	188.1	2.530	-28.35	67.2	SO312	.02200	8.8887	0.8	F
9005	14794.67	36 60N	100 55E	80.2	188.1	2.530	-28.00	67.2	SO312	.02200	9.1445	0.8	V
528 5001	19968.87	46 13N	80 50E	87.2	189.4	2.037	-34.65	60.5	SO312	.02210	8.4108	0.8	V
5002	19972.07	46 13N	80 50E	88.0	189.3	2.037	-34.30	60.5	SO312	.02210	8.2869	0.8	A
5003	19976.47	45 54N	80 52E	84.9	189.3	2.037	-31.50	60.8	SO312	.02210	8.5923	0.8	A
5004	20002.87	44 0N	80 54E	76.3	189.0	2.530	-16.45	62.5	SO312	.03080	9.5416	0.6	A
5005	20222.67	28 32N	77 5E	81.9	187.4	2.881	-24.50	71.4	SO312	.02210	8.8235	1.0	F
5006	20225.67	28 32N	77 5E	80.9	187.4	2.881	-24.15	71.4	SO312	.02210	9.0628	0.8	V
5007	20237.07	27 28N	77 41E	77.5	187.3	3.092	6.30	72.4	SO312	.03080	9.3847	0.6	F
5008	20239.87	27 28N	77 41E	76.8	187.3	3.092	6.65	72.4	SO312	.03080	9.5581	0.6	V
5009	20312.27	22 35N	75 46E	85.7	187.0	3.092	-29.40	72.3	SO312	.03080	8.5428	1.0	V
5010	20315.47	22 35N	75 46E	86.6	187.0	3.092	-29.05	72.3	SO312	.03080	8.3943	1.0	A
9001	19811.27	56 43N	84 56E	80.0	191.9	1.826	-22.40	51.7	SO312	.03070	9.0455	0.6	F
9002	19812.47	56 38N	84 54E	80.0	191.9	1.826	-22.40	51.8	SO312	.03070	9.0455	0.8	F
9003	19817.07	56 43N	84 56E	79.7	191.8	2.037	-22.05	51.7	SO312	.04070	9.1197	2.0	A
9004	19836.27	55 5N	83 0E	103.7	191.4	1.338	-44.80	52.9	SO312	.01650	6.9575	0.6	F
9005	19843.67	55 5N	82 60E	103.1	191.2	1.690	-44.80	52.9	SO312	.01650	7.0565	0.6	A
9006	19866.07	53 5N	84 27E	73.8	190.8	2.181	2.10	55.1	SO312	.04070	9.9615	0.6	V
529 5001	25073.27	60 8N	64 48E	76.8	193.0	1.826	-12.95	48.7	SO312	.03080	9.4755	0.6	A
5002	25101.27	58 5N	65 16E	81.2	192.3	1.826	20.30	50.8	SO312	.04000	8.9555	0.4	A
5003	25127.67	56 11N	63 39E	74.2	191.7	2.037	3.50	52.4	SO312	.04000	9.8965	0.6	V
5004	25132.27	56 3N	63 42E	75.6	191.6	2.037	6.30	52.5	SO312	.03880	9.6158	0.4	A
5005	25142.47	55 20N	61 46E	85.9	191.4	1.690	-32.20	52.9	SO312	.02210	8.5511	0.6	V
5006	25145.67	55 20N	61 47E	86.6	191.3	1.690	-31.85	52.9	SO312	.02210	8.4108	0.6	A
5007	25153.07	54 50N	61 38E	86.4	191.2	1.826	-31.85	53.3	SO312	.02210	8.4273	0.4	A
5008	25171.47	53 9N	61 5E	84.9	190.9	1.826	-30.45	54.8	SO312	.03080	8.5098	0.4	F
5009	25175.47	53 5N	60 59E	85.1	190.8	1.826	-31.85	54.8	SO312	.03080	8.6089	0.6	V
5010	25178.67	53 5N	60 58E	86.0	190.7	2.037	-31.85	54.8	SO312	.03080	8.4768	0.6	A
5011	25182.47	52 37N	60 48E	85.4	190.7	1.826	-32.20	55.2	SO312	.03080	8.5841	0.4	V
5012	25185.67	52 37N	60 47E	86.3	190.6	2.037	-32.20	55.2	SO312	.03080	8.4438	0.4	A
5013	25199.07	51 15N	60 37E	81.7	190.4	2.037	-26.60	56.5	SO312	.03080	8.8647	0.4	F
5014	25201.87	51 16N	60 37E	80.6	190.4	2.037	-26.25	56.5	SO312	.03080	9.1123	0.6	V
5015	25203.27	51 10N	60 35E	80.6	190.3	2.037	-26.25	56.5	SO312	.03080	9.1123	0.4	V
5016	25206.07	50 58N	60 32E	80.4	190.3	2.037	-25.90	56.7	SO312	.03080	9.1371	0.4	V
5017	25209.07	50 58N	60 32E	81.1	190.3	2.037	-25.55	56.7	SO312	.03080	8.9803	0.4	A
5018	25210.27	50 53N	60 30E	81.2	190.2	2.037	-25.55	56.8	SO312	.03080	8.9603	0.4	A
5019	25267.07	46 48N	61 21E	92.2	189.5	1.826	33.95	60.8	SO312	.02210	7.8742	0.6	A
5020	25287.47	45 10N	59 20E	75.0	189.2	2.530	-10.50	61.6	SO312	.03080	9.6819	0.8	F
5021	25292.87	45 10N	59 19E	75.0	189.2	2.530	-9.80	61.6	SO312	.03080	9.6984	0.8	A
5022	25587.67	24 33N	54 23E	79.6	187.2	3.092	-17.15	72.5	SO312	.04000	9.0876	0.8	F
5023	25593.47	24 32N	54 23E	79.6	187.1	3.232	-16.45	72.5	SO312	.04000	9.1206	0.6	A
9001	25695.67	16 58N	54 1E	89.8	186.8	2.881	24.15	72.7	SO312	.03070	8.1046	0.8	F
9002	25698.87	16 58N	54 1E	89.2	186.8	2.881	24.50	72.7	SO312	.03070	8.2119	0.8	V
530 5001	30200.27	71 36N	52 22E	77.4	201.1	0.995	-2.80	37.9	SO312	.04000	9.3600	0.4	F
5002	30203.47	71 34N	52 22E	76.5	200.9	0.995	-2.10	37.9	SO312	.05370	9.5828	0.6	V
5003	30206.27	71 34N	52 22E	77.4	200.7	0.995	-1.75	37.9	SO312	.04000	9.3847	0.6	A
5004	30279.07	66 47N	47 49E	76.6	196.5	1.338	3.15	42.6	SO312	.04000	9.4920	0.4	A
5005	30422.47	56 55N	40 35E	82.5	192.0	1.690	-26.60	51.5	SO312	.03080	8.7739	0.6	F
5006	30425.27	56 55N	40 35E	81.6	191.9	1.690	-26.60	51.5	SO312	.03080	8.9968	0.6	V
5007	30428.67	56 54N	40 31E	83.1	191.8	1.690	-27.30	51.5	SO312	.03080	8.7657	0.8	A
5008	30433.27	56 11N	40 23E	81.1	191.7	1.690	-24.50	52.2	SO312	.03080	8.9308	0.4	F
5009	30436.07	55 59N	40 18E	81.0	191.7	1.690	-24.50	52.4	SO312	.03080	8.9225	0.4	F
5010	30441.87	55 59N	40 19E	80.7	191.5	1.690	-23.80	52.4	SO312	.03080	9.0133	0.4	A
5011	30447.87	55 10N	40 13E	78.2	191.4	1.826	-19.25	53.1	SO312	.04000	9.2609	0.6	F
5012	30454.87	54 56N	39 31E	85.8	191.3	1.690	-32.20	53.2	SO312	.03080	8.5511	0.6	V
5013	30458.07	54 56N	39 31E	86.6	191.2	1.690	-31.85	53.2	SO312	.03080	8.4190	0.6	A
5014	30466.47	54 12N	40 29E	74.5	191.1	2.181	-2.45	54.1	SO312	.04000	9.7644	0.6	A
5015	30479.27	52 55N	40 30E	76.3	190.8	2.181	10.85	55.4	SO312	.04000	9.5333	0.4	F
5016	30483.47	52 39N	40 14E	75.2	190.8	2.181	6.65	55.6	SO312	.04000	9.6654	0.4	F
5017	30488.67	52 31N	39 43E	73.7	190.7	2.181	-6.30	55.6	SO312	.04000	9.9625	0.6	V
5018	30491.47	52 31N	39 43E	74.6	190.6	2.181	-5.95	55.6	SO312	.04000	9.7562	0.4	A
5019	30498.67	51 41N	39 12E	75.5	190.5	2.181	-12.60	56.2	SO312	.04000	9.5993	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
530	5020	30501.47	51 41N	39 12E	74.6	190.5	2.181	-12.25	56.2	SO312	.04000	9.8387	0.4	V
	5021	30502.47	51 36N	39 10E	74.6	190.5	2.181	-12.25	56.3	SO312	.04000	9.8387	0.6	V
	5022	30505.27	51 36N	39 10E	75.5	190.4	2.390	-12.25	56.3	SO312	.04000	9.6406	0.6	A
	5023	30509.47	51 18N	39 12E	74.8	190.4	2.390	-8.05	56.6	SO312	.04000	9.7314	0.6	A
	5024	30531.47	49 43N	37 43E	85.8	190.0	2.037	-32.90	57.7	SO312	.03080	8.5593	0.6	V
	5025	30534.67	49 43N	37 43E	86.6	190.0	2.037	-32.55	57.7	SO312	.03080	8.4190	0.6	A
	5026	30540.47	49 5N	37 45E	81.4	189.9	2.181	-27.65	58.3	SO312	.03080	9.0050	0.4	V
	5027	30573.27	46 42N	38 14E	74.5	189.5	2.390	7.35	60.6	SO312	.03080	9.6635	0.6	V
	5028	30576.07	46 42N	38 13E	75.5	189.5	2.390	7.70	60.6	SO312	.03080	9.6241	0.6	A
	5029	30595.27	45 21N	36 29E	85.0	189.2	2.181	-32.20	61.2	SO312	.03080	8.6501	0.6	V
	5030	30598.47	45 20N	36 30E	85.6	189.2	2.390	-31.85	61.3	SO312	.03080	8.5098	0.6	A
	5031	30739.07	35 15N	35 59E	91.0	188.0	2.390	32.55	69.4	SO312	.02210	8.0841	0.8	V
	5032	30742.47	35 15N	35 59E	92.8	187.9	2.181	33.25	69.4	SO312	.02210	7.8000	0.8	A
	5033	30755.47	33 56N	35 30E	87.3	187.9	2.530	27.65	70.0	SO312	.03080	8.3095	1.0	F
	5034	30758.47	33 56N	35 30E	86.7	187.8	2.530	28.00	70.0	SO312	.03080	8.4768	1.2	V
	5035	30763.67	33 35N	35 24E	86.4	187.8	2.530	27.65	70.2	SO312	.03080	8.5098	0.6	V
	5036	30766.47	33 35N	35 24E	87.9	187.8	2.530	28.00	70.2	SO312	.03080	8.2374	0.6	A
	5037	30773.47	32 54N	35 6E	83.2	187.7	2.530	23.45	70.5	SO312	.01660	8.8400	0.6	V
	5038	30776.87	32 54N	35 6E	84.6	187.7	2.530	23.80	70.5	SO312	.01660	8.5676	0.6	A
	5039	30783.27	32 3N	34 55E	84.1	187.7	2.738	23.10	71.0	SO312	.01660	8.6666	0.6	F
	5040	30786.07	32 4N	34 55E	83.3	187.7	2.530	23.45	71.0	SO312	.01660	8.8235	0.6	V
	5041	30790.07	31 46N	34 58E	86.0	187.7	2.530	26.95	71.2	SO312	.02210	8.5428	0.6	V
	5042	30793.27	31 46N	34 58E	87.5	187.6	2.530	27.30	71.2	SO312	.02210	8.2622	0.6	A
	5043	30797.47	31 16N	34 49E	85.5	187.6	2.530	26.25	71.4	SO312	.01660	8.5923	0.4	V
	5044	30800.47	31 17N	34 50E	87.0	187.6	2.530	26.60	71.4	SO312	.01660	8.3117	0.6	A
	5045	30814.47	30 29N	33 4E	85.6	187.5	2.881	-30.45	70.6	SO312	.03080	8.5098	0.4	A
	5046	30818.07	30 2N	32 55E	86.3	187.5	2.881	-32.55	70.7	SO312	.03080	8.5016	0.6	V
	5047	30821.27	30 2N	32 56E	86.9	187.5	2.881	-31.85	70.8	SO312	.03080	8.3860	0.6	A
	5048	30839.47	28 15N	33 38E	77.3	187.4	3.092	6.30	72.2	SO312	.04000	9.4012	0.4	F
	5049	30842.07	28 16N	33 38E	76.7	187.4	3.092	6.65	72.2	SO312	.04000	9.5746	0.6	V
	5050	30925.47	22 25N	31 37E	84.7	187.0	3.092	-26.25	72.4	SO312	.01660	8.5346	0.6	F
	5051	30931.67	22 24N	31 37E	84.3	187.0	3.232	-25.20	72.4	SO312	.01660	8.6171	0.6	A
	5052	31283.67	2 28S	28 52E	112.1	186.5	2.530	33.95	60.6	SO312	.02210	6.4711	0.6	F
	5053	31287.67	2 28S	28 52E	111.7	186.5	2.530	34.30	60.6	SO312	.02210	6.5206	0.6	V
	5054	31659.07	27 48S	21 37E	132.9	187.3	2.881	-37.80	36.6	SO312	.03080	5.3403	0.8	F
	5055	31663.87	27 48S	21 37E	130.9	187.4	3.092	-37.45	36.7	SO312	.03080	5.5054	0.8	V
	9001	30171.67	73 26N	54 54E	77.9	203.5	0.995	-3.15	36.0	SO312	.04070	9.2931	1.6	F
	9002	30177.27	73 26N	54 54E	77.8	203.0	0.995	-2.80	36.0	SO312	.04070	9.3261	1.6	A
	9003	30435.67	56 0N	40 19E	81.1	191.7	1.690	-24.50	52.4	SO312	.03070	8.9217	1.4	F
	9004	30441.47	56 0N	40 19E	80.7	191.6	1.690	-23.80	52.4	SO312	.03070	9.0124	1.4	A
	9005	30545.27	48 44N	37 39E	81.4	189.8	2.181	-27.65	58.6	SO312	.03070	9.0124	0.8	V
	9006	30548.27	48 44N	37 39E	82.1	189.8	2.181	-27.30	58.6	SO312	.03070	8.8474	0.8	A
	9007	30561.27	47 16N	38 51E	80.5	189.6	2.390	19.95	60.3	SO312	.03070	9.0537	0.8	F
	9008	30566.87	47 17N	38 52E	81.0	189.6	2.181	21.00	60.3	SO312	.03070	8.9547	1.0	A
	9009	30790.07	31 46N	34 58E	86.0	187.7	2.530	26.95	71.2	SO312	.01650	8.5420	1.0	V
	9010	30793.27	31 46N	34 58E	87.5	187.6	2.530	27.30	71.2	SO312	.01650	8.2614	0.8	A
	9011	30797.07	31 17N	34 50E	85.6	187.6	2.530	26.25	71.4	SO312	.03070	8.5915	1.0	V
	9012	30800.27	31 17N	34 50E	87.0	187.6	2.530	26.60	71.4	SO312	.03070	8.3109	1.0	A
	9013	30852.67	27 17N	33 48E	83.5	187.3	2.881	20.30	72.8	SO312	.03070	8.7071	1.8	F
	9014	30858.67	27 17N	33 48E	84.1	187.3	2.881	21.00	72.8	SO312	.03070	8.5608	1.8	A
	9015	30876.87	25 43N	32 43E	77.3	187.2	3.232	-9.45	72.5	SO312	.01650	9.3756	1.0	F
	9016	30882.47	25 43N	32 43E	77.4	187.2	3.232	-8.40	72.5	SO312	.01650	9.3673	0.8	A
531	5001	35760.27	54 38N	18 48E	74.9	191.3	2.181	3.50	53.8	SO312	.04000	9.7149	0.4	F
	5002	35762.87	54 38N	18 48E	74.1	191.3	2.181	3.85	53.8	SO312	.05370	9.9130	0.4	V
	5003	35765.47	54 17N	18 41E	75.0	191.2	2.181	4.20	54.1	SO312	.04000	9.7066	0.6	F
	5004	35768.07	54 17N	18 41E	74.2	191.2	2.181	4.55	54.1	SO312	.04000	9.9047	0.6	V
	5005	35775.67	53 40N	17 32E	78.1	191.0	2.037	-19.60	54.5	SO312	.03080	9.2939	0.4	F
	5006	35782.07	53 10N	18 2E	74.4	190.9	2.181	-1.40	55.1	SO312	.04000	9.7727	0.8	F
	5007	35784.87	53 10N	18 2E	73.6	190.9	2.181	-1.05	55.1	SO312	.04000	9.9873	0.6	V
	5008	35792.27	52 33N	16 57E	80.3	190.7	2.037	-24.15	55.4	SO312	.03080	9.0216	0.4	F
	5009	35795.07	52 34N	16 56E	79.5	190.7	2.037	-24.15	55.4	SO312	.03080	9.2444	0.4	V
	5010	35796.27	52 29N	16 54E	79.5	190.7	2.037	-24.15	55.5	SO312	.03080	9.2444	0.8	V
	5011	35799.47	52 28N	16 54E	80.3	190.6	2.037	-23.80	55.5	SO312	.03080	9.0793	0.6	A
	5012	35803.47	51 59N	16 50E	78.1	190.5	2.037	-21.70	55.9	SO312	.03080	9.4012	0.4	V
	5013	35810.07	51 17N	17 8E	74.5	190.4	2.181	-7.70	56.6	SO312	.04000	9.7479	0.4	F
	5014	35812.67	51 18N	17 8E	73.7	190.4	2.181	-7.35	56.6	SO312	.04000	9.9708	0.4	V
	5015	35814.47	51 10N	17 5E	73.7	190.4	2.181	-7.35	56.7	SO312	.04000	9.9625	0.6	V
	5016	35817.27	51 10N	17 4E	74.7	190.3	2.390	-7.70	56.7	SO312	.04000	9.7479	0.6	A
	5017	35824.07	50 47N	16 17E	80.9	190.2	2.181	-25.20	56.9	SO312	.03080	9.0216	0.6	A
	5018	35828.67	50 6N	15 43E	87.1	190.2	1.826	-33.25	57.4	SO312	.03080	8.3200	0.6	F
	5019	35831.87	50 5N	15 44E	85.6	190.1	2.037	-32.90	57.4	SO312	.03080	8.5676	0.6	V
	5020	35839.07	49 31N	16 14E	75.3	190.0	2.181	-16.10	58.1	SO312	.03080	9.7562	0.6	V
	5021	35841.87	49 31N	16 14E	76.1	190.0	2.390	-15.75	58.1	SO312	.03080	9.5663	0.6	A
	5022	35847.87	49 6N	16 9E	75.8	189.9	2.390	-14.35	58.4	SO312	.03080	9.6076	0.6	A
	5023	35853.27	48 19N	16 21E	74.1	189.8	2.390	-1.40	59.2	SO312	.03080	9.8139	0.4	F
	5024	35855.87	48 19N	16 21E	73.3	189.8	2.390	-1.05	59.2	SO312	.04000	10.0203	0.4	V
	5025	35861.87	47 41N	16 35E	76.3	189.7	2.390	11.55	59.8	SO312	.03080	9.5416	0.4	F
	5026	35866.27	47 22N	16 35E	77.6	189.6	2.390	14.70	60.1	SO312	.03080	9.3930	0.4	F
	5027	35870.47	47 15N	16 38E	77.9	189.6	2.390	17.15	60.3	SO312	.03080	9.4425	0.4	V
	5028	35873.27	47 16N	16 37E	78.9	189.6	2.181	17.50	60.3	SO312	.03080	9.1866	0.4	A
	5029	35880.27	46 27N	16 0E	74.8	189.5	2.530	5.60	60.8	SO312	.03080	9.7231	0.6	F
	5030	35882.87	46 27N	16 0E	74.1	189.4	2.530	5.95	60.8	SO312	.03080	9.9212	0.6	V
	5031	35891.07	45 55N	15 33E	73.3	189.3	2.530	-3.50	61.1	SO312	.03080	10.0203	0.6	V
	5032	35893.87	45 55N	15 32E	74.2	189.3	2.530	-3.15	61.1	SO312	.03080	9.7974	0.6	A
	5033	35901.67	45 17N	14 35E	80.8	189.2	2.390	-26.95	61.4	SO312	.04000	9.0793	0.4	V

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
531 5034	35904.47	45 18N	14 35E	81.6	189.2	2.390	-26.60	61.4	SO312	.04000	8.9225	0.6	A
5035	35916.87	44 8N	15 15E	73.9	189.1	2.530	3.85	62.6	SO312	.03080	9.9460	0.4	V
5036	35919.67	44 8N	15 15E	74.9	189.0	2.530	4.20	62.6	SO312	.03080	9.7066	0.4	A
5037	35962.27	40 51N	14 14E	74.4	188.6	2.738	-0.70	65.1	SO312	.03080	9.7727	0.6	F
5038	35984.87	40 52N	14 14E	73.6	188.6	2.738	-0.35	65.1	SO312	.03080	9.9790	0.8	V
5039	36001.67	38 10N	13 22E	74.8	188.3	2.738	-7.35	66.8	SO312	.03080	9.7149	0.8	F
5040	36007.07	38 10N	13 22E	74.9	188.2	2.881	-6.65	66.9	SO312	.03080	9.7066	1.0	A
5041	36076.87	32 52N	13 10E	88.1	187.8	2.530	28.35	70.7	SO312	.03080	8.2869	0.6	F
5042	36079.47	32 54N	13 10E	87.5	187.8	2.530	28.70	70.6	SO312	.04080	8.4025	1.0	V
5043	36082.67	32 54N	13 11E	89.1	187.7	2.530	29.05	70.7	SO312	.02210	8.1301	0.6	A
5044	36089.67	32 12N	13 2E	87.8	187.7	2.390	29.40	71.0	SO312	.03080	8.3612	0.6	V
5045	36092.87	32 12N	13 2E	89.3	187.7	2.390	29.75	71.0	SO312	.02210	8.0971	0.6	A
532 5001	41126.87	50 28N	5 1W	74.1	190.3	2.530	-1.05	57.4	SO312	.04000	9.8057	0.6	F
5002	41129.47	50 28N	5 1W	73.4	190.2	2.530	-0.70	57.4	SO312	.04000	10.0120	0.6	V
5003	41266.47	41 11N	8 37W	81.1	188.6	2.530	-27.30	64.5	SO312	.03080	9.0463	0.8	V
5004	41269.47	41 11N	8 37W	81.9	188.6	2.530	-26.95	64.5	SO312	.03080	8.8895	0.8	A
5005	41301.87	38 45N	9 8W	80.0	188.3	2.530	-25.20	66.2	SO312	.03080	9.1701	0.6	V
5006	41304.67	38 46N	9 8W	80.9	188.3	2.738	-25.20	66.2	SO312	.03080	9.0050	0.8	A
5007	41448.27	28 28N	11 5W	77.8	187.4	3.092	-15.05	71.7	SO312	.03080	9.3104	0.6	F
5008	41450.47	28 28N	11 5W	77.0	187.4	3.092	-14.70	71.7	SO312	.03080	9.5333	0.8	V
5009	41719.87	9 37N	13 36W	93.8	186.6	2.881	24.85	69.3	SO312	.02210	7.7587	0.8	F
5010	41723.27	9 37N	13 36W	93.6	186.6	2.881	25.55	69.3	SO312	.01660	7.8165	0.8	V
5011	41726.67	9 37N	13 36W	95.3	186.6	2.881	25.90	69.3	SO312	.01660	7.5523	1.0	A
533 5001	47223.07	3 45S	38 32W	90.4	186.5	3.232	6.65	59.0	SO312	.03080	8.0558	0.4	V
5002	47226.27	3 44S	38 33W	91.9	186.5	3.439	5.95	59.0	SO312	.03080	7.8082	0.6	A
5003	47302.47	9 20S	40 33W	105.1	186.6	3.439	-40.10	53.6	SO312	.02210	6.8177	1.0	F
5004	47347.87	12 14S	40 27W	95.3	186.7	3.439	-8.75	51.4	SO312	.03080	7.6184	0.6	V
5005	47405.47	16 0S	39 58W	116.0	186.8	2.530	28.35	48.6	SO312	.02210	6.1327	0.6	A
5006	47420.27	16 44S	42 23W	123.5	186.8	3.439	-39.20	46.8	SO312	.02210	5.8107	0.8	A
5007	47456.27	19 47S	43 8W	131.5	186.9	2.881	-42.00	43.9	SO312	.02210	5.4063	1.4	F
5008	47478.07	20 43S	42 50W	116.1	187.0	3.439	-30.80	43.4	SO312	.03080	6.1739	0.6	A
5009	47501.27	22 53S	43 10W	115.6	187.0	3.232	-28.70	41.4	SO312	.04000	6.1574	0.6	F
5010	47505.07	22 51S	43 8W	113.7	187.1	3.232	-27.65	41.4	SO312	.04000	6.3473	0.6	V
5011	47511.67	22 54S	43 42W	130.6	187.1	3.232	-39.20	41.1	SO312	.02210	5.4723	0.8	A
9001	47219.27	3 43S	38 32W	91.4	186.5	3.439	5.95	59.0	SO312	.03070	7.8983	1.4	F
9002	47245.67	4 49S	40 22W	122.9	186.5	3.232	-44.80	57.0	SO312	.02200	5.8763	1.4	A
9003	47260.47	5 53S	40 17W	113.3	186.5	3.439	-38.85	56.3	SO312	.02200	6.3550	1.4	A
9004	47276.47	7 10S	39 16W	93.1	186.6	3.439	2.10	56.0	SO312	.03070	7.6920	1.4	A
9005	47287.47	7 50S	40 5W	99.0	186.6	3.439	-23.10	55.0	SO312	.03070	7.2546	1.4	A
9006	47293.87	8 31S	40 10W	97.7	186.6	3.439	-22.40	54.4	SO312	.03070	7.4361	1.4	V
9007	47310.07	9 21S	40 29W	103.0	186.6	3.439	-26.95	53.6	SO312	.03070	6.9822	1.4	A
9008	47354.67	12 30S	40 17W	96.5	186.7	3.439	-1.05	51.3	SO312	.03070	7.4031	1.2	A
9009	47366.07	13 24S	41 27W	109.9	186.7	3.439	-42.90	49.9	SO312	.03070	6.5943	1.4	V
9010	47377.67	14 11S	41 42W	114.3	186.7	3.232	-35.35	49.2	SO312	.02200	6.3302	1.4	V
9011	47389.07	14 49S	40 51W	97.9	186.7	3.439	-5.95	49.1	SO312	.03070	7.2958	1.4	A
9012	47443.67	18 38S	42 49W	125.5	186.9	3.232	-40.25	45.0	SO312	.02200	5.7525	1.4	V
534 5001	52614.87	9 54S	63 3W	114.6	186.6	3.232	-37.45	52.9	SO312	.02210	6.2317	0.6	F
5002	52674.27	13 18S	64 6W	131.4	186.7	3.232	-44.80	49.7	SO312	.02210	5.4723	1.0	A
5003	52718.47	17 1S	63 39W	101.9	186.8	3.439	-16.45	47.0	SO312	.03080	7.0241	1.4	F
5004	52779.07	21 15S	63 31W	106.9	187.0	3.092	13.30	43.6	SO312	.03080	6.7104	0.4	F
5005	52787.67	21 59S	62 49W	128.8	187.0	2.530	33.95	43.3	SO312	.02210	5.5796	0.8	F
5006	52793.87	21 46S	62 51W	127.9	187.0	2.181	33.25	43.5	SO312	.02210	5.5466	1.4	A
5007	52801.67	22 31S	63 51W	105.9	187.0	2.738	11.20	42.4	SO312	.03080	6.8260	0.6	V
5008	52806.67	22 36S	63 48W	108.4	187.1	2.738	13.30	42.3	SO312	.03080	6.5619	1.6	A
5009	52815.27	23 13S	62 54W	136.5	187.1	1.826	37.45	42.2	SO312	.01660	5.1917	0.8	A
5010	52825.67	23 53S	64 4W	109.1	187.1	2.738	12.60	41.1	SO312	.03080	6.5123	1.4	A
5011	52849.67	25 36S	65 55W	117.1	187.2	3.092	-30.10	38.8	SO312	.03080	6.1657	0.6	V
5012	52854.07	25 36S	65 55W	118.5	187.2	3.439	-30.10	38.8	SO312	.03080	6.0419	0.6	A
5013	52861.87	26 48S	65 14W	106.9	187.3	3.232	-5.60	38.1	SO312	.03080	6.6857	0.4	F
5014	52869.47	26 48S	65 5W	107.6	187.3	3.232	-0.70	38.2	SO312	.03080	6.6114	1.4	A
5015	52882.47	27 45S	64 19W	122.6	187.4	2.181	25.20	37.7	SO312	.03080	5.7860	0.8	A
5016	52894.47	28 27S	65 43W	109.6	187.4	3.092	-8.40	36.5	SO312	.03080	6.4958	0.6	A
5017	52914.27	30 19S	66 16W	111.7	187.5	3.092	-13.65	34.7	SO312	.03080	6.3803	1.4	F
5018	52918.47	30 20S	66 16W	110.5	187.5	3.092	-12.95	34.7	SO312	.03080	6.5123	0.4	V
5019	52922.47	30 19S	66 15W	112.0	187.6	3.092	-12.25	34.7	SO312	.03080	6.3555	0.6	A
5020	52935.67	32 3S	64 34W	140.6	187.6	2.181	35.00	33.9	SO312	.03080	5.0761	1.0	F
5021	52950.67	32 25S	67 23W	121.7	187.7	3.092	-28.00	32.5	SO312	.03080	5.9098	1.0	V
5022	52966.07	33 42S	65 23W	127.9	187.8	2.181	26.60	32.1	SO312	.03080	5.6044	0.8	V
5023	52970.87	33 42S	65 23W	130.4	187.8	2.181	26.95	32.1	SO312	.03080	5.4063	1.0	A
5024	52988.27	34 32S	68 24W	137.8	187.9	3.092	-36.75	30.3	SO312	.03080	5.1634	1.4	A
5025	53012.87	36 20S	68 1W	121.2	188.1	3.092	-20.65	28.9	SO312	.03080	5.8603	0.6	A
5026	53039.07	38 7S	68 14W	119.8	188.3	3.092	-15.05	27.3	SO312	.03080	5.9181	0.6	A
5027	53053.07	38 55S	69 15W	134.1	188.4	3.092	-31.15	26.2	SO312	.03080	5.2990	0.8	A
5028	53081.07	41 16S	68 41W	118.1	188.6	2.881	-7.35	24.4	SO312	.04000	6.0666	0.8	V
5029	53087.67	41 17S	69 36W	129.7	188.7	2.881	-25.20	24.1	SO312	.03080	5.4723	0.8	A
5030	53115.87	43 38S	68 56W	120.1	189.0	2.530	1.40	22.3	SU130	.04000	5.9593	0.6	V
9001	52419.07	3 28N	59 46W	86.2	186.5	3.587	-9.45	64.4	SO312	.03070	8.3687	1.0	F
9002	52422.67	3 26N	59 47W	85.4	186.5	3.587	-9.45	64.3	SO312	.03070	8.5420	1.4	V
9003	52432.07	3 6N	60 29W	98.0	186.5	3.587	-31.50	63.6	SO312	.02200	7.3866	1.4	A
9004	52725.87	17 12S	64 21W	115.6	186.8	3.232	-34.30	46.5	SO312	.03070	6.2477	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
534 9005	52731.67	17 53S	64 30W	117.7	186.8	3.232	-35.35	45.8	SO312	.02200	6.0496	1.2	F
9006	52737.47	18 17S	64 40W	120.3	186.8	3.232	-37.10	45.4	SO312	.02200	5.9176	1.4	F
9007	52745.87	18 48S	64 36W	115.4	186.9	3.232	-33.25	45.1	SO312	.03070	6.1734	1.4	F
9008	52750.07	19 8S	64 52W	122.0	186.9	3.232	-38.15	44.6	SO312	.02200	5.8350	1.4	F
9009	52764.27	19 44S	63 4W	109.6	186.9	2.881	19.25	45.1	SO312	.03070	6.4623	1.4	A
9010	52767.87	19 59S	63 6W	110.4	186.9	2.881	19.60	44.8	SO312	.03070	6.4293	1.4	A
9011	53217.47	50 17S	71 52W	128.1	190.2	2.530	-14.00	15.6	SO312	.04070	5.5627	1.0	V
9012	53223.47	50 19S	72 14W	133.2	190.3	2.530	-19.25	15.4	SO312	.04070	5.2821	1.2	A
9013	53227.67	50 56S	72 24W	131.4	190.3	2.530	-18.55	14.9	SO312	.04070	5.4306	0.8	V
9014	53232.87	51 2S	71 48W	128.5	190.4	2.530	-8.05	15.0	SO312	.04070	5.4719	1.0	A
9015	53239.27	51 43S	72 31W	130.3	190.5	2.530	-15.75	14.2	SO312	.04070	5.4719	0.8	V
535 9001	57455.67	21 51N	78 51W	82.0	187.0	3.232	-21.35	72.5	SO312	.03070	8.8144	0.6	F
9002	57461.87	21 49N	78 48W	80.9	187.0	3.232	-18.20	72.6	SO312	.03070	8.9629	0.4	A
9003	57464.47	21 38N	78 51W	81.1	187.0	3.232	-18.55	72.5	SO312	.03070	8.9382	0.8	A
536 9001	62818.27	18 3N	101 11W	78.3	186.8	3.439	-1.40	72.4	SO130	.01660	9.2444	1.0	A
9001	62753.47	22 10N	100 59W	83.9	187.0	3.092	-24.85	72.4	SO312	.03070	8.6163	0.6	F
9002	62759.47	22 10N	100 59W	83.4	187.0	3.232	-23.80	72.4	SO312	.03070	8.6906	0.6	A
9003	62778.07	20 41N	101 20W	84.1	186.9	3.092	-27.30	72.2	SO312	.03070	8.7153	0.4	V
9004	62781.27	20 41N	101 21W	84.9	186.9	3.092	-26.95	72.2	SO312	.03070	8.5503	0.4	A
9005	62806.47	18 30N	101 19W	79.6	186.9	3.439	-11.20	72.3	SO312	.03070	9.0950	0.8	F
9006	62809.27	18 30N	101 19W	78.7	186.9	3.439	-10.85	72.3	SO312	.03070	9.3013	0.8	V
9007	62822.47	17 34N	101 16W	78.6	186.8	3.232	-1.40	72.2	SO312	.03070	9.3761	0.6	V
9008	62825.47	17 33N	101 16W	79.6	186.8	3.439	-1.05	72.3	SO312	.03070	9.0702	0.4	A
543 5001	13088.87	51 29N	113 5E	82.1	190.5	2.181	24.85	56.9	SO130	.02210	8.9638	0.8	V
5002	13090.67	51 21N	113 2E	82.1	190.4	2.181	24.85	57.0	SO130	.02210	8.9720	0.4	V
5003	13093.67	51 22N	113 0E	82.9	190.4	2.181	24.50	57.0	SO130	.01660	8.7574	0.6	A
5004	13349.67	33 54N	107 16E	74.2	187.8	2.881	1.40	69.7	SO130	.01660	9.7892	0.6	A
5005	13399.07	30 17N	106 49E	77.9	187.5	2.881	14.00	71.7	SO130	.01660	9.4260	1.2	V
5006	13404.07	30 8N	106 45E	78.4	187.5	2.881	12.95	71.7	SO130	.01660	9.2197	0.4	A
5007	13541.07	20 24N	104 6E	79.3	186.9	3.232	-15.75	72.5	SO130	.01660	9.1371	0.8	F
5008	13547.07	20 26N	103 46E	85.5	186.9	3.232	-27.65	72.2	SO130	.01660	8.4933	0.8	A
5009	13557.27	19 18N	103 36E	84.9	186.9	3.092	-26.60	72.1	SO130	.01660	8.5181	1.0	F
5010	13562.47	18 57N	103 22E	89.2	186.9	2.881	-32.20	71.8	SO130	.01660	8.0889	1.0	F
5011	13566.67	18 52N	103 24E	87.0	186.9	3.092	-30.45	71.9	SO130	.01660	8.4190	0.8	V
9001	13067.87	52 54N	113 39E	82.3	190.8	2.037	25.20	55.7	SO312	.03070	8.9382	1.0	V
9002	13076.67	52 4N	113 33E	87.3	190.7	2.037	29.75	56.4	SO312	.03070	8.3522	0.8	F
9003	13082.07	51 46N	113 2E	80.5	190.6	2.181	21.00	56.6	SO312	.03070	9.0620	0.8	F
9004	13084.87	51 46N	113 2E	79.8	190.5	2.181	21.35	56.6	SO312	.03070	9.2270	0.8	V
9005	13088.87	51 28N	113 5E	82.1	190.5	2.181	24.85	56.9	SO312	.03070	8.9629	0.8	V
9006	13090.47	51 22N	113 2E	82.1	190.4	2.181	24.85	57.0	SO312	.03070	8.9712	0.6	V
9007	13093.47	51 22N	113 0E	82.8	190.4	2.181	24.50	57.0	SO312	.03070	8.7566	1.0	A
9008	13246.07	40 43N	109 53E	87.5	188.6	2.181	31.15	65.7	SO312	.03070	8.4182	0.8	V
9009	13249.27	40 43N	109 53E	89.0	188.6	2.181	31.50	65.7	SO312	.03070	8.1376	0.8	A
9010	13319.87	35 46N	107 39E	73.1	188.0	2.881	-1.05	68.6	SO312	.03070	10.0606	0.6	V
9011	13322.67	35 46N	107 37E	73.9	188.0	2.881	-1.40	68.6	SO312	.03070	9.8130	0.6	A
9012	13336.27	34 19N	108 17E	90.0	187.9	2.530	31.15	70.0	SO312	.02200	8.1211	1.0	F
9013	13339.47	34 19N	108 17E	89.4	187.9	2.530	31.50	70.0	SO312	.02200	8.2284	0.8	V
9014	13349.67	33 54N	107 16E	74.2	187.8	2.881	1.40	69.7	SO312	.02200	9.7882	0.4	A
9015	13356.47	33 14N	107 16E	74.8	187.8	2.881	6.30	70.2	SO312	.03070	9.8130	0.4	V
9016	13359.27	33 14N	107 16E	75.9	187.8	2.881	6.65	70.2	SO312	.03070	9.5489	0.4	A
9017	13385.07	31 30N	106 32E	75.0	187.6	3.092	-7.00	70.8	SO312	.03070	9.6727	0.4	A
9018	13399.07	30 17N	106 49E	77.8	187.5	2.881	14.00	71.7	SO312	.03070	9.4251	1.2	V
9019	13404.07	30 8N	106 45E	78.4	187.5	2.881	12.95	71.7	SO312	.03070	9.2188	0.4	A
9020	13409.67	29 23N	106 27E	76.7	187.5	3.092	6.65	71.9	SO312	.02200	9.4911	0.6	F
9021	13412.27	29 23N	106 27E	75.9	187.5	3.092	7.00	71.9	SO312	.02200	9.6727	0.6	V
9022	13423.27	28 45N	105 15E	85.7	187.4	2.881	-31.85	71.3	SO312	.02200	8.5750	0.6	V
9023	13426.47	28 45N	105 15E	86.5	187.4	2.881	-31.50	71.3	SO312	.02200	8.4182	0.6	A
9024	13436.67	27 54N	106 9E	76.8	187.3	3.092	8.05	72.4	SO312	.03070	9.4251	0.4	A
9025	13490.27	24 3N	105 3E	75.4	187.1	3.232	-5.25	72.9	SO312	.03070	9.7305	0.4	V
9026	13497.27	23 38N	104 22E	84.4	187.1	3.092	-28.35	72.3	SO312	.03070	8.6823	1.0	V
9027	13501.67	23 33N	104 19E	85.2	187.1	3.092	-29.05	72.3	SO312	.03070	8.5338	0.6	A
9028	13523.67	21 29N	105 12E	84.3	187.0	2.881	19.60	73.4	SO312	.03070	8.6246	0.6	F
9029	13526.67	21 29N	105 12E	83.6	187.0	2.881	19.95	73.5	SO312	.03070	8.7649	0.4	V
9030	13533.47	20 51N	104 44E	78.3	187.0	3.092	6.30	73.1	SO312	.03070	9.2848	0.6	F
544 9001	18552.87	40 52N	87 5E	74.5	188.6	2.738	9.10	65.3	SO312	.03070	9.8625	0.6	V
9002	18556.07	40 50N	87 5E	75.7	188.6	2.530	10.15	65.4	SO312	.03070	9.5819	0.6	A
9003	18761.07	26 47N	83 28E	76.5	187.3	3.232	-5.60	72.4	SO312	.02200	9.4746	1.0	A
9004	18954.27	13 8N	80 18E	89.9	186.7	3.232	-28.70	69.9	SO312	.02200	8.0138	0.6	F
9005	18957.27	13 9N	80 18E	88.7	186.7	3.232	-28.35	69.9	SO312	.03070	8.2367	0.8	V
9006	18960.47	13 9N	80 17E	89.7	186.7	3.439	-28.35	69.9	SO312	.02200	8.0799	0.6	A
9007	18965.47	12 35N	80 11E	89.2	186.7	3.232	-28.70	69.6	SO312	.03070	8.1871	0.6	V
9008	18968.67	12 35N	80 11E	90.3	186.7	3.439	-28.70	69.6	SO312	.02200	8.0303	0.6	A
9009	19042.87	6 59N	79 51E	83.8	186.6	3.439	-3.85	66.9	SO312	.03070	8.6246	1.0	F
9010	19045.87	6 59N	79 51E	83.0	186.6	3.439	-3.50	66.9	SO312	.03070	8.8061	1.0	V
545 9001	23448.27	68 56N	75 51E	86.4	198.1	0.995	-29.40	40.6	SO312	.02200	8.4843	0.6	V
9002	23451.47	68 56N	75 50E	87.4	197.9	0.995	-29.40	40.6	SO312	.02200	8.3109	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	*ERROR
545 9003	23635.67	56 3N	69 22E	75.1	191.7	2.037	-8.75	52.6	SO312	.03070	9.6562	0.4	F
9004	23639.67	56 8N	69 29E	74.8	191.6	2.037	-6.30	52.6	SO312	.04070	9.7140	0.4	A
9005	23654.87	54 53N	69 10E	73.6	191.3	2.037	-1.05	53.7	SO312	.04070	9.9863	0.4	V
9006	23657.47	54 54N	69 11E	74.4	191.3	2.037	-0.70	53.7	SO312	.04070	9.7552	0.6	A
9007	23714.87	51 7N	66 42E	83.0	190.3	2.181	-28.70	56.8	SO312	.02200	8.7566	0.6	A
9008	23725.47	50 20N	66 57E	76.2	190.1	2.390	-16.10	57.6	SO312	.03070	9.5489	0.6	A
9009	23787.07	47 49N	67 39E	84.2	189.7	2.181	27.30	60.1	SO312	.02200	8.7401	0.4	V
9010	23760.47	47 48N	67 39E	85.5	189.7	2.181	27.65	60.1	SO312	.02200	8.4760	0.4	A
9011	23854.87	41 30N	64 14E	77.9	188.6	2.738	-21.00	64.5	SO312	.03070	9.3343	0.4	A
9012	23873.67	39 45N	64 33E	74.7	188.5	2.738	4.20	66.1	SO312	.02200	9.7305	1.0	F
9013	23878.47	39 48N	64 27E	74.4	188.4	2.738	1.05	66.0	SO312	.02200	9.7470	0.4	A
9014	23884.07	39 1N	64 32E	76.2	188.4	2.738	10.15	66.7	SO312	.02200	9.5489	1.0	F
9015	23889.67	39 0N	64 32E	76.6	188.3	2.738	11.20	66.7	SO312	.02200	9.4581	0.8	A
9016	23961.47	34 13N	62 14E	84.2	187.8	2.738	-29.75	69.0	SO312	.03070	8.6411	0.6	A
9017	23966.47	33 26N	62 18E	79.5	187.8	2.738	-23.10	69.6	SO312	.02200	9.1115	0.6	F
9018	23969.27	33 27N	62 18E	78.4	187.8	2.738	-22.75	69.6	SO312	.02200	9.3673	0.6	V
9019	23984.67	32 23N	62 7E	78.0	187.7	2.881	-21.35	70.1	SO312	.03070	9.4086	0.4	V
546 5001	28940.87	56 6N	47 32E	74.5	191.7	2.037	-2.45	52.7	SO130	.02210	9.7479	0.8	F
5002	28946.07	56 7N	47 32E	74.6	191.6	2.037	-2.10	52.6	SO130	.02210	9.7479	1.0	A
5003	28996.47	52 9N	47 16E	87.9	190.7	2.037	30.10	56.4	SO130	.01660	8.2869	1.2	F
5004	29000.47	52 5N	47 14E	87.1	190.6	2.037	30.10	56.5	SO130	.01660	8.4438	1.2	V
5005	29004.47	52 2N	47 6E	86.3	190.6	1.826	28.35	56.5	SO130	.01660	8.4190	0.8	A
5006	29090.47	45 60N	42 54E	86.1	189.4	2.037	-32.55	60.9	SO130	.01250	8.4108	3.6	F
5007	29096.87	45 45N	42 54E	83.7	189.3	2.037	-30.80	61.1	SO130	.01660	8.7822	3.6	V
5008	29109.07	44 59N	43 51E	74.6	189.2	2.530	4.55	62.2	SO130	.01660	9.7479	3.4	A
9001	28765.47	68 8N	53 50E	79.6	197.5	1.135	-19.25	41.4	SO312	.03070	9.2023	0.8	V
9002	28768.47	68 8N	53 49E	80.5	197.4	1.135	-19.25	41.4	SO312	.03070	9.0124	0.6	A
9003	28773.47	67 39N	53 3E	82.4	197.1	1.135	-24.50	41.9	SO312	.04070	8.8969	0.6	V
9004	28776.47	67 39N	53 4E	83.1	197.0	1.135	-24.15	41.9	SO312	.04070	8.7318	0.8	A
9005	28847.67	62 33N	50 51E	74.6	194.2	1.690	-1.40	46.8	SO312	.04070	9.8543	0.4	V
9006	28850.47	62 33N	50 51E	75.4	194.1	1.690	-1.05	46.8	SO312	.04070	9.6314	0.4	A
9007	28925.67	57 5N	48 22E	75.6	192.1	2.037	7.35	51.8	SO312	.04070	9.6067	0.4	F
9008	28926.67	57 1N	48 20E	75.6	192.0	2.037	7.35	51.9	SO312	.04070	9.6067	0.4	F
9009	28927.67	56 57N	48 18E	75.6	192.0	2.037	7.35	52.0	SO312	.04070	9.6067	0.6	F
9010	28932.27	56 40N	47 53E	74.6	191.9	2.037	0.00	52.2	SO312	.04070	9.7305	0.6	F
9011	28935.07	56 39N	47 53E	73.8	191.9	2.037	0.35	52.2	SO312	.04070	9.9615	0.6	V
9012	28940.67	56 7N	47 32E	74.5	191.7	2.037	-2.45	52.6	SO312	.04070	9.7470	1.0	F
9013	28945.87	56 7N	47 32E	74.5	191.6	2.037	-2.10	52.6	SO312	.04070	9.7470	1.2	A
9014	28953.47	55 31N	46 26E	78.9	191.5	1.826	-22.75	53.0	SO312	.04070	9.3013	0.4	V
9015	28956.47	55 30N	46 25E	79.9	191.4	2.037	-23.10	53.0	SO312	.03070	9.1032	0.4	A
9016	28962.67	54 51N	46 32E	75.3	191.3	2.037	-14.35	53.7	SO312	.04070	9.7552	0.4	V
9017	28978.87	53 40N	46 52E	74.2	191.0	2.181	6.65	54.9	SO312	.04070	9.9038	0.6	V
9018	28981.67	53 39N	46 51E	75.1	190.9	2.181	6.65	54.9	SO312	.04070	9.6644	0.4	A
9019	28996.47	52 8N	47 16E	88.1	190.7	2.037	30.10	56.4	SO312	.03070	8.2862	1.8	F
9020	29000.47	52 5N	47 14E	87.1	190.6	2.037	30.10	56.5	SO312	.03070	8.4430	1.0	V
9021	29010.87	51 27N	46 16E	76.1	190.5	2.037	13.30	56.9	SO312	.03070	9.6562	0.6	V
9022	29013.87	51 27N	46 16E	77.2	190.4	2.037	13.65	56.9	SO312	.03070	9.3921	0.6	A
9023	29032.07	50 4N	45 16E	73.2	190.1	2.390	-1.75	57.9	SO312	.04070	10.0358	0.4	V
9024	29034.67	50 5N	45 16E	74.1	190.1	2.390	-1.40	57.9	SO312	.03070	9.7965	0.6	A
9025	29045.07	48 47N	46 18E	94.4	190.0	2.037	35.70	59.4	SO312	.03070	7.7332	0.4	F
9026	29048.47	48 47N	46 18E	93.5	189.9	1.826	36.05	59.4	SO312	.03070	7.8405	0.4	V
9027	29054.67	48 21N	46 14E	95.9	189.8	1.826	37.80	59.8	SO312	.03070	7.6425	1.0	V
9028	29058.27	48 21N	46 15E	97.6	189.8	1.826	38.15	59.8	SO312	.02200	7.4279	0.8	A
9029	29073.07	47 8N	43 54E	75.8	189.6	2.390	-14.70	60.2	SO312	.03070	9.5737	0.6	F
9030	29123.27	43 55N	44 41E	94.7	189.0	1.826	36.40	63.4	SO312	.01650	7.6259	0.4	A
9031	29147.47	42 16N	42 3E	82.3	188.8	2.390	-29.05	63.8	SO312	.02200	8.9299	0.8	V
9032	29150.47	42 17N	42 3E	83.1	188.7	2.390	-28.70	63.8	SO312	.01650	8.7731	0.8	A
9033	29156.47	41 41N	41 41E	87.1	188.7	2.390	-34.65	64.2	SO312	.03070	8.4347	1.0	V
9034	29232.47	36 18N	41 49E	76.4	188.1	2.738	12.60	68.5	SO312	.03070	9.6149	0.6	V
9035	29235.27	36 18N	41 49E	77.4	188.1	2.738	12.95	68.5	SO312	.03070	9.3426	0.6	A
9036	29249.07	35 19N	40 11E	87.8	188.0	2.530	-35.00	68.3	SO312	.01650	8.3357	0.6	V
9037	29252.27	35 19N	40 11E	88.8	187.9	2.738	-35.00	68.3	SO312	.01650	8.2037	0.6	A
9038	29278.07	33 6N	39 37E	92.1	187.8	2.390	-37.80	69.4	SO312	.01650	7.8323	0.6	F
9039	29281.27	33 6N	39 37E	90.7	187.8	2.390	-37.45	69.4	SO312	.01650	8.0881	0.6	V
9040	29286.07	32 46N	39 36E	88.8	187.7	2.390	-35.70	69.6	SO312	.01650	8.2614	0.6	V
9041	29289.27	32 47N	39 36E	89.6	187.7	2.738	-35.70	69.6	SO312	.01650	8.1211	0.6	A
9042	29475.87	19 41N	37 15E	86.9	186.9	3.092	-29.40	72.1	SO312	.03070	8.4347	0.6	V
9043	29479.07	19 41N	37 15E	87.5	186.9	3.092	-28.70	72.1	SO312	.03070	8.3027	0.6	A
9044	29553.27	14 18N	36 38E	81.4	186.7	3.439	-16.10	70.7	SO312	.03070	8.9877	0.6	V
9045	29556.27	14 19N	36 38E	82.4	186.7	3.439	-15.75	70.7	SO312	.03070	8.7814	0.6	A
9046	29581.07	12 17N	37 15E	89.6	186.7	2.881	22.75	70.6	SO312	.03070	8.1706	0.6	V
9047	29584.47	12 17N	37 15E	91.3	186.7	2.881	23.45	70.7	SO312	.02200	7.8735	0.6	A
9048	29639.07	8 12N	35 33E	84.3	186.6	3.439	-16.10	67.4	SO312	.01650	8.5668	1.0	F
9049	29642.07	8 12N	35 33E	83.3	186.6	3.439	-15.75	67.4	SO312	.01650	8.7731	1.0	V
9050	29976.07	14 50S	32 52E	115.2	186.7	2.390	30.10	49.6	SO312	.02200	6.2807	0.8	V
9051	29980.27	14 50S	32 52E	117.6	186.7	2.181	30.80	49.6	SO312	.02200	6.0414	1.0	A
9052	30016.07	17 38S	30 45E	104.1	186.8	3.439	-20.65	46.2	SO312	.03070	6.8749	1.0	F
9053	30019.87	17 38S	30 45E	102.9	186.8	3.439	-20.30	46.2	SO312	.03070	7.0400	0.8	V
9054	30053.87	20 1S	30 52E	100.4	186.9	3.232	-1.75	44.3	SO312	.03070	7.1968	0.6	V
9055	30057.67	20 1S	30 52E	101.9	186.9	3.439	-1.40	44.3	SO312	.03070	6.9822	0.6	A
9056	30109.47	23 54S	31 9E	119.5	187.1	2.390	26.95	41.2	SO312	.03070	6.0331	0.8	V
9057	30114.07	23 54S	31 10E	122.8	187.1	2.181	27.65	41.2	SO312	.03070	5.8020	0.6	A
9058	30118.87	24 32S	30 56E	116.7	187.1	2.390	24.50	40.6	SO312	.03070	6.1734	0.6	V
9059	30136.67	25 47S	28 13E	134.8	187.2	2.881	-39.90	38.3	SO312	.02200	5.2656	0.6	F
9060	30141.87	25 46S	27 56E	141.9	187.2	3.092	-44.45	38.2	SO312	.02200	5.0923	1.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
546 9061	30147.07	25 46S	27 56E	143.3	187.3	3.092	-44.10	38.2	S0312	.02200	4.9932	1.2	A
547 9001	34198.87	59 9N	28 9E	84.7	192.8	1.826	25.55	50.1	S0312	.03070	8.5833	1.0	F
9002	34203.27	58 51N	28 1E	84.9	192.7	1.826	25.90	50.3	S0312	.03070	8.5668	0.8	F
9003	34206.27	58 51N	28 1E	84.2	192.7	1.826	26.25	50.3	S0312	.03070	8.7153	0.8	V
9004	34211.07	58 45N	27 47E	82.8	192.5	1.826	23.10	50.4	S0312	.03070	8.7401	0.4	A
9005	34219.67	57 50N	26 50E	77.2	192.3	2.037	12.25	51.2	S0312	.04070	9.4251	1.4	F
9006	34223.27	57 47N	26 48E	76.3	192.2	1.826	12.60	51.2	S0312	.04070	9.6397	0.6	V
9007	34228.47	57 15N	26 34E	77.2	192.1	2.037	12.60	51.7	S0312	.04070	9.4251	0.6	F
9008	34231.27	57 14N	26 34E	76.4	192.1	2.037	12.95	51.7	S0312	.04070	9.6232	0.6	V
9009	34235.67	56 48N	26 5E	75.3	192.0	2.037	5.95	52.1	S0312	.04070	9.6479	0.4	F
9010	34238.27	56 48N	26 5E	74.5	191.9	2.037	6.30	52.1	S0312	.04070	9.8625	0.4	V
9011	34245.87	55 58S	26 41E	86.2	191.7	1.826	28.00	53.0	S0312	.03070	8.4347	0.8	F
9012	34248.87	55 58N	26 42E	85.5	191.7	1.826	28.35	53.0	S0312	.03070	8.6081	0.8	V
9013	34263.07	55 3N	24 16E	78.5	191.4	1.826	-20.30	53.5	S0312	.03070	9.2188	0.6	F
9014	34268.47	54 54N	23 53E	81.6	191.3	1.826	-27.30	53.5	S0312	.03070	8.9877	0.6	V
9015	34271.27	54 55N	23 54E	82.4	191.2	2.037	-27.30	53.5	S0312	.03070	8.8309	0.8	A
9016	34282.47	53 37N	24 46E	75.2	191.0	2.181	7.00	54.9	S0312	.04070	9.6727	0.6	F
9017	34285.07	53 37N	24 47E	74.4	191.0	2.181	7.35	54.9	S0312	.04070	9.8790	0.6	V
9018	34289.87	53 20N	24 23E	73.4	190.9	2.181	0.00	55.1	S0312	.04070	10.0111	0.6	V
9019	34292.67	53 19N	24 23E	74.3	190.9	2.181	0.35	55.1	S0312	.04070	9.7717	0.6	A
9020	34298.27	52 35N	24 7E	74.2	190.8	2.181	0.00	55.8	S0312	.04070	9.7682	0.6	F
9021	34304.07	52 32N	24 10E	74.4	190.7	2.181	2.45	55.8	S0312	.04070	9.7552	0.6	A
9022	34308.07	51 53N	24 3E	74.8	190.6	2.181	5.25	56.4	S0312	.04070	9.7305	0.6	F
9023	34310.67	51 53N	24 3E	74.6	190.6	2.181	5.60	56.4	S0312	.04070	9.9368	1.4	V
9024	34314.27	51 50N	24 2E	74.4	190.5	2.181	5.95	56.5	S0312	.04070	9.6892	0.6	A
9025	34323.27	50 57N	24 28E	82.7	190.4	2.037	25.20	57.4	S0312	.03070	8.8887	0.6	V
9026	34326.27	50 57N	24 28E	84.0	190.3	2.037	25.55	57.4	S0312	.03070	8.6246	0.6	A
9027	34331.07	50 25N	24 18E	83.4	190.2	2.037	26.25	57.9	S0312	.03070	8.8144	0.8	V
9028	34336.87	50 5N	23 38E	75.5	190.1	2.181	12.25	58.0	S0312	.03070	9.7387	0.6	V
9029	34339.67	50 5N	23 38E	76.5	190.1	2.181	12.60	58.0	S0312	.03070	9.4746	0.6	A
9030	34348.47	49 32N	22 51E	74.0	190.0	2.390	-5.25	58.4	S0312	.03070	9.8130	0.4	A
9031	34354.67	48 46N	22 30E	74.5	189.9	2.390	-9.10	59.0	S0312	.03070	9.7470	0.6	F
9032	34359.47	48 37N	22 22E	74.0	189.8	2.390	-11.20	59.1	S0312	.03070	9.9285	0.6	V
9033	34362.27	48 37N	22 22E	74.8	189.8	2.390	-10.85	59.1	S0312	.03070	9.7140	0.4	A
9034	34369.67	47 59N	21 41E	79.3	189.7	2.181	-24.85	59.5	S0312	.03070	9.2683	0.6	V
9035	34372.47	47 59N	21 41E	80.0	189.7	2.390	-24.50	59.5	S0312	.03070	9.0950	0.6	A
9036	34375.67	47 34N	21 36E	78.7	189.6	2.181	-23.80	59.8	S0312	.03070	9.3343	0.6	V
9037	34384.07	47 8N	21 55E	74.7	189.5	2.530	-10.50	60.3	S0312	.03070	9.7140	1.4	A
9038	34397.87	46 13N	21 21E	77.4	189.4	2.390	-19.25	60.9	S0312	.02200	9.3921	1.4	A
9039	34401.47	45 47N	21 15E	76.3	189.3	2.390	-18.90	61.3	S0312	.03070	9.6232	0.6	V
9040	34404.27	45 47N	21 15E	77.1	189.3	2.390	-18.55	61.3	S0312	.03070	9.4251	0.8	A
9041	34411.67	44 55N	20 41E	82.6	189.2	2.181	-28.35	61.9	S0312	.03070	8.7484	0.6	F
9042	34414.67	44 55N	20 41E	84.4	189.2	2.181	-28.00	61.9	S0312	.03070	9.0042	1.0	V
9043	34418.27	44 52N	20 40E	82.3	189.1	2.390	-28.00	61.9	S0312	.03070	8.8391	0.4	A
9044	34423.87	44 5N	20 26E	82.7	189.1	2.181	-28.70	62.5	S0312	.03070	8.7401	0.4	F
9045	34426.67	44 5N	20 26E	81.6	189.0	2.390	-28.70	62.5	S0312	.03070	8.9959	0.6	V
9046	34429.47	43 54N	20 22E	81.9	189.0	2.390	-29.05	62.6	S0312	.03070	8.9629	0.4	V
9047	34432.47	43 54N	20 22E	82.6	189.0	2.390	-28.70	62.6	S0312	.03070	8.8061	0.4	A
9048	34436.47	43 39N	20 10E	85.4	188.9	2.390	-32.20	62.8	S0312	.03070	8.5255	0.4	A
9049	34444.87	42 52N	19 53E	86.7	188.9	2.181	-34.65	63.3	S0312	.01650	8.4512	0.6	V
9050	34448.07	42 52N	19 52E	87.6	188.8	2.390	-34.65	63.3	S0312	.01650	8.3109	0.6	A
9051	34456.27	42 3N	19 55E	81.4	188.7	2.390	-28.70	64.0	S0312	.03070	9.0207	0.4	V
9052	34459.27	42 3N	19 55E	82.1	188.7	2.390	-26.35	64.0	S0312	.03070	8.8556	0.4	A
9053	34463.27	41 22N	19 46E	82.4	188.7	2.390	-28.00	64.5	S0312	.03070	8.7814	0.4	F
9054	34466.07	41 23N	19 46E	81.2	188.7	2.390	-27.65	64.5	S0312	.03070	9.0372	0.6	V
9055	34470.07	41 19N	19 40E	83.6	188.6	2.390	-29.75	64.5	S0312	.03070	8.7071	0.6	A
9056	34478.07	40 22N	19 26E	84.4	188.5	2.390	-30.45	65.2	S0312	.04070	8.5750	1.0	F
9057	34481.07	40 22N	19 26E	83.1	188.5	2.390	-30.10	65.2	S0312	.04070	8.8309	1.0	V
9058	34890.87	12 7N	14 3E	83.6	186.7	3.439	-18.90	69.6	S0312	.03070	8.7484	0.6	V
9059	34893.87	12 8N	14 3E	84.6	186.6	3.439	-18.55	69.6	S0312	.03070	8.5585	0.6	A
548 9001	39716.07	44 55N	0 45W	74.4	189.2	2.530	-8.75	62.1	S0312	.03070	9.7470	0.6	F
9002	39718.67	44 55N	0 46W	73.6	189.2	2.530	-8.75	62.1	S0312	.03070	9.9780	0.8	V
9003	39723.87	44 24N	1 14W	77.3	189.1	2.530	-19.25	62.4	S0312	.03070	9.3591	1.0	F
9004	39729.47	44 24N	1 14W	77.1	189.1	2.530	-18.55	62.4	S0312	.03070	9.4168	1.0	A
9005	39858.07	35 19N	2 55W	74.2	188.0	2.881	1.75	69.0	S0312	.04070	9.9038	0.6	V
9006	39860.87	35 19N	2 55W	75.1	188.0	2.881	2.10	69.0	S0312	.04070	9.6479	0.6	A
9007	39917.27	30 56N	3 3W	90.2	187.6	2.530	30.80	71.8	S0312	.01650	8.0964	1.0	F
9008	39920.47	30 56N	3 3W	89.6	187.6	2.530	31.15	71.8	S0312	.01650	8.2037	1.0	V
550 9001	50926.47	3 39N	53 12W	85.0	186.5	3.439	2.80	64.6	S0312	.03070	8.5833	0.8	V
9002	51373.87	26 41S	57 4W	147.1	187.3	1.484	40.95	38.9	S0312	.02200	4.7952	0.4	A
9003	51522.67	37 13S	60 52W	116.5	188.1	2.738	4.90	28.3	S0312	.03070	6.1074	1.4	F
9004	51531.47	37 25S	61 53W	118.3	188.2	3.092	-17.15	27.7	S0312	.03070	6.0661	1.2	V
9005	51539.47	37 31S	62 43W	135.0	188.3	3.092	-32.90	27.3	S0312	.03070	5.2573	0.8	A
9006	51545.87	38 41S	62 8W	120.1	188.3	2.881	-16.10	26.5	S0312	.04070	5.9093	1.4	F
9007	51552.47	38 50S	62 6W	118.2	188.4	2.881	-14.00	26.4	S0312	.04070	6.0661	1.4	V
9008	51556.87	38 50S	62 5W	119.6	188.4	3.092	-13.30	26.4	S0312	.04070	5.9093	1.4	A
9009	51564.07	39 20S	62 5W	119.1	188.4	2.881	-10.15	26.0	S0312	.04070	5.9341	1.4	A
551 5001	56116.87	11 1N	72 54W	109.7	186.6	2.390	39.20	70.4	S0130	.01250	6.6361	0.8	F
5002	56123.47	11 7N	73 7W	102.7	186.6	2.390	34.30	70.3	S0130	.01250	6.9993	0.8	A
5003	56126.47	10 54N	73 10W	102.0	186.6	2.390	33.95	70.2	S0130	.01250	7.0488	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
551 9001	56458.27	12 8S	76 60W	118.9	186.6	2.181	34.65	52.1	SO312	.01650	6.0991	0.8	V
9002	56462.67	12 7S	76 59W	121.3	186.7	2.181	35.00	52.1	SO312	.01650	5.8598	1.0	A
552 9001	61336.47	16 54N	94 54W	80.7	186.8	3.232	7.70	72.3	SO312	.03070	9.0042	0.6	F
9002	61339.47	16 54N	94 54W	80.0	186.8	3.232	8.05	72.3	SO312	.03070	9.1610	0.4	V
9003	61344.27	16 35N	95 6W	79.1	186.8	3.232	2.80	72.6	SO312	.03070	9.2600	0.4	V
9004	61347.07	16 35N	95 6W	80.2	186.8	3.232	3.15	72.6	SO312	.03070	9.0042	0.6	A
553 9001	66301.27	40 13N	113 12W	84.1	188.5	2.390	-31.15	65.4	SO312	.02200	8.6081	1.4	F
9002	66307.27	40 13N	113 12W	83.5	188.5	2.530	-30.45	65.4	SO412	.02200	8.7153	1.4	A
9003	66408.87	32 44N	113 57W	75.4	187.7	3.092	2.45	70.5	SO312	.02200	9.6397	0.8	F
9004	66414.27	32 44N	113 57W	75.7	187.7	2.881	3.85	70.5	SO312	.02200	9.5737	0.8	A
558 9001	6264.66	53 9S	140 44E	74.7	190.8	2.181	-10.50	55.4	SO312	.04070	9.8295	0.4	V
9002	6267.26	53 9S	140 44E	75.5	190.8	2.181	-10.15	55.4	SO312	.04070	9.6149	0.6	A
9003	6288.26	51 28N	140 48E	75.0	190.5	2.181	8.40	57.0	SO312	.03070	9.8047	0.4	V
9004	6290.86	51 29N	140 48E	76.0	190.4	2.181	8.75	57.0	SO312	.03070	9.5489	0.6	A
9005	6317.46	49 16N	140 13E	77.2	190.0	2.390	12.95	58.9	SO312	.03070	9.4251	1.0	F
9006	6323.06	49 16N	140 13E	77.5	189.9	2.390	13.65	58.9	SO312	.03070	9.3508	0.8	A
559 9001	11416.26	63 42N	125 34E	84.1	194.8	1.484	24.15	46.0	SO312	.04070	8.7484	0.8	V
9002	11419.26	63 43N	125 33E	85.0	194.7	1.484	24.15	45.9	SO312	.04070	8.5338	1.0	A
9003	11589.26	52 17N	117 44E	80.0	190.6	2.037	-24.85	56.0	SO312	.03070	9.1775	0.6	V
9004	11592.26	52 16N	117 44E	80.7	190.6	2.037	-24.50	56.0	SO312	.03070	9.0124	0.4	A
9005	11617.86	50 9N	116 41E	86.9	190.2	1.826	-32.90	57.7	SO312	.03070	8.3109	1.0	F
9006	11621.06	50 8N	116 40E	85.7	190.1	2.037	-32.90	57.7	SO312	.03070	8.5668	0.8	V
9007	11625.86	49 60N	116 51E	82.2	190.1	2.037	-27.30	57.9	SO312	.03070	8.8474	1.2	A
9008	11772.06	39 23N	115 33E	83.6	188.4	2.530	24.15	66.8	SO312	.02200	8.7318	0.4	F
9009	11776.26	39 8N	115 19E	80.4	188.4	2.738	19.60	66.9	SO312	.03070	9.0620	0.4	F
9010	11780.66	39 3N	115 2E	76.0	188.4	2.738	11.55	66.8	SO312	.03070	9.6727	0.4	V
9011	11784.26	38 48N	115 0E	76.5	188.3	2.738	12.60	67.0	SO312	.02200	9.6067	0.8	V
9012	11791.06	38 12N	114 27E	74.6	188.3	2.881	-2.10	67.2	SO312	.03070	9.7387	0.4	F
9013	11795.66	38 3N	114 31E	74.0	188.3	2.881	1.75	67.4	SO312	.03070	9.9285	0.6	V
9014	11798.66	38 2N	114 30E	75.0	188.2	2.881	2.10	67.4	SO312	.03070	9.6727	0.4	A
9015	11803.06	37 23N	114 11E	74.1	188.2	2.881	-4.55	67.7	SO312	.03070	9.8047	0.4	F
9016	11809.26	37 6N	114 27E	75.2	188.2	2.738	8.05	68.1	SO312	.02200	9.7635	0.4	V
9017	11813.86	36 60N	114 10E	74.5	188.1	2.738	-1.05	68.0	SO312	.03070	9.7387	0.4	A
9018	11822.26	36 26N	113 56E	74.4	188.1	2.881	-4.55	68.3	SO412	.03070	9.7552	0.6	A
9019	11826.86	35 43N	113 60E	74.6	188.0	2.881	2.80	68.9	SO312	.03070	9.7470	0.6	F
9020	11832.26	35 44N	113 54E	74.5	188.0	2.881	0.35	68.8	SO312	.03070	9.7387	0.4	A
9021	11838.06	35 20N	113 52E	75.3	188.0	2.881	2.45	69.1	SO312	.03070	9.6314	0.4	A
9022	11843.66	34 46N	113 38E	74.1	187.9	2.881	-1.75	69.4	SO312	.03070	9.9120	0.6	V
9023	11847.26	34 42N	113 41E	75.2	187.9	2.881	0.70	69.4	SO312	.03070	9.6479	0.6	A
9024	11848.66	34 36N	113 39E	75.1	187.9	2.881	0.70	69.5	SO312	.03070	9.6562	0.6	A
9025	11855.86	33 47N	112 60E	77.7	187.8	2.881	-17.85	69.6	SO312	.03070	9.3178	0.4	F
9026	11859.86	33 42N	112 54E	77.7	187.8	2.881	-19.95	69.6	SO312	.02200	9.4416	0.6	V
9027	11866.26	33 30N	112 34E	83.8	187.8	2.881	-29.05	69.5	SO312	.03070	8.6741	0.4	A
9028	11872.06	33 7N	112 28E	84.2	187.7	2.881	-29.40	69.7	SO312	.03070	8.6246	0.4	A
9029	11890.26	31 26N	112 19E	80.8	187.6	2.881	-23.80	70.6	SO312	.03070	8.9464	0.6	F
9030	11896.46	31 0N	112 4E	84.1	187.6	2.738	-28.70	70.7	SO312	.02200	8.5915	0.6	F
9031	11899.46	31 0N	112 4E	83.0	187.6	2.738	-28.35	70.7	SO312	.02200	8.8391	0.6	V
9032	11905.66	30 21N	112 14E	78.8	187.5	2.881	-18.90	71.2	SO312	.03070	9.1858	0.6	F
9033	11908.46	30 21N	112 14E	77.7	187.5	3.092	-18.55	71.2	SO312	.03070	9.4499	0.6	V
9034	11914.06	29 45N	112 26E	75.9	187.5	3.092	-6.65	71.6	SO312	.03070	9.5654	0.8	F
9035	11931.46	28 44N	112 17E	75.1	187.4	3.092	-3.50	72.1	SO312	.03070	9.7717	0.4	V
9036	11937.06	28 31N	112 21E	76.2	187.4	3.092	1.40	72.2	SO312	.03070	9.4494	0.4	A
9037	11945.46	27 55N	112 28E	78.5	187.3	2.881	11.20	72.6	SO312	.03070	9.2105	0.4	A
9038	11959.06	26 58N	112 38E	86.0	187.3	2.738	24.15	73.2	SO312	.03070	8.3935	0.6	A
9039	12037.46	21 16N	110 26E	81.0	187.0	3.232	-18.90	72.6	SO312	.04070	8.9299	1.6	F
9040	12042.66	21 19N	110 26E	80.9	187.0	3.232	-18.20	72.6	SO312	.04070	8.9629	1.6	A
9041	12058.46	19 48N	110 25E	78.7	186.9	3.439	-8.75	72.6	SO312	.03070	9.2023	1.0	F
9042	12062.86	19 53N	110 28E	78.6	186.9	3.439	-6.30	72.7	SO312	.03070	9.2105	0.6	A
9043	12069.86	19 26N	110 11E	80.2	186.9	3.439	-14.35	72.4	SO312	.03070	9.0372	0.8	A
9044	12076.06	18 57N	110 29E	79.2	186.9	3.232	2.10	72.7	SO312	.03070	9.1280	0.4	A
9045	12084.86	18 26N	109 44E	84.7	186.8	3.439	-24.15	72.0	SO312	.03070	8.5668	0.4	A
9046	12179.26	11 58N	108 26E	90.0	186.6	3.439	-28.00	69.3	SO312	.02200	8.0551	0.6	A
9047	12432.06	6 4S	106 52E	107.0	186.5	2.738	28.00	57.2	SO312	.02200	6.7594	0.8	F
9048	12436.06	6 5S	106 53E	107.1	186.5	2.530	29.05	57.2	SO312	.02200	6.7924	1.4	V
9049	12440.66	6 7S	106 52E	109.1	186.5	2.530	29.40	57.2	SO312	.01650	6.5448	0.8	A
9050	12446.46	6 31S	106 46E	108.1	186.5	2.530	28.35	56.8	SO312	.02200	6.6026	0.6	A
560 9001	17237.06	28 56N	89 37E	80.4	187.4	2.881	-25.90	71.5	SO312	.03070	8.9877	0.6	F
9002	17326.86	22 48N	89 35E	83.9	187.1	2.881	20.65	73.6	SO312	.03070	8.7484	0.4	V
9003	17329.86	22 49N	89 35E	85.2	187.0	2.881	21.00	73.6	SO312	.03070	8.4678	0.6	A
561 9001	22060.26	62 22N	78 11E	78.7	194.0	1.484	-18.55	47.1	SO312	.04070	9.3178	1.0	V
9002	22294.26	46 3N	73 28E	88.9	189.4	2.181	30.80	61.8	SO312	.03070	8.2119	0.6	F
9003	22297.26	46 4N	73 29E	88.3	189.4	2.181	31.15	61.8	SO312	.03070	8.3357	0.6	V
9004	22299.86	45 53N	73 24E	87.9	189.4	2.181	30.80	61.9	SO312	.03070	8.3770	0.4	V
9005	22303.26	45 52N	73 24E	89.4	189.3	2.181	31.15	61.9	SO312	.03070	8.1046	0.4	A
9006	22341.06	43 1N	71 23E	74.1	188.9	2.738	-4.55	63.8	SO312	.03070	9.4130	0.4	F
9007	22345.06	42 55N	71 24E	73.3	188.9	2.738	-2.80	63.9	SO312	.03070	10.0276	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
561 9008	22350.86	42 46N	70 56E	76.1	188.8	2.738	-16.10	63.6	SO312	.03070	9.5489	0.4	A
9009	22363.86	41 26N	71 8E	73.2	188.7	2.738	1.75	65.0	SO312	.03070	9.9368	0.6	F
9010	22376.06	40 28N	71 48E	88.5	188.6	2.390	30.10	66.1	SO312	.02200	8.2449	1.6	F
9011	22380.06	40 24N	71 46E	87.3	188.6	2.181	30.10	66.2	SO312	.02200	8.4017	1.0	V
9012	22383.26	40 24N	71 45E	88.3	188.5	2.181	30.10	66.2	SO312	.02200	8.1624	1.0	A
9013	22445.66	35 54N	68 49E	84.8	188.0	2.530	-30.80	68.2	SO312	.01650	8.5173	1.0	F
9014	22448.66	35 54N	68 48E	83.6	188.0	2.530	-30.45	68.2	SO312	.01650	8.7731	1.0	V
9015	22464.06	34 35N	69 13E	74.4	187.9	2.881	-7.35	69.4	SO312	.03070	9.7635	0.6	F
9016	22466.66	34 35N	69 13E	73.5	187.9	2.881	-7.00	69.4	SO312	.03070	9.9946	1.0	V
9017	22469.86	34 33N	69 12E	74.4	187.9	2.881	-6.65	69.4	SO312	.03070	9.7552	0.6	A
562 5001	27406.26	59 26N	56 46E	87.3	193.0	1.690	28.00	50.0	SO130	.02210	8.3447	0.8	F
5002	27412.46	59 26N	56 46E	87.7	192.8	1.690	28.35	50.0	SO130	.02210	8.2787	0.8	A
5003	27425.46	58 6N	56 19E	91.3	192.5	1.826	32.20	51.3	SO130	.01660	7.9898	1.0	F
9001	27258.46	69 47N	61 21E	82.1	198.9	0.995	-21.70	40.0	SO312	.03070	8.9299	0.4	V
9002	27261.46	69 47N	61 21E	82.9	196.7	0.995	-21.35	40.0	SO312	.02200	8.7566	0.4	A
9003	27380.46	61 20N	56 37E	76.2	193.7	1.826	4.20	48.1	SO312	.04070	9.5241	0.6	F
9004	27383.26	61 19N	56 37E	75.4	193.6	1.826	4.55	48.1	SO312	.04070	9.7470	0.6	V
9005	27396.46	60 17N	57 18E	87.3	193.2	1.690	29.05	49.2	SO312	.03070	8.4182	0.4	V
9006	27399.66	60 17N	57 19E	88.8	193.1	1.484	29.75	49.2	SO312	.03070	8.1706	0.4	A
9007	27406.26	59 26N	56 46E	87.3	193.0	1.690	28.00	50.0	SO312	.03070	8.3440	0.8	F
9008	27412.46	59 26N	56 45E	87.6	192.8	1.690	28.35	50.0	SO312	.03070	8.2779	0.8	A
9009	27430.46	58 1N	55 55E	85.0	192.4	1.826	26.60	51.3	SO312	.03070	8.6658	0.6	V
9010	27433.66	58 1N	55 54E	86.0	192.3	1.826	26.60	51.3	SO312	.03070	8.4347	0.8	A
9011	27435.06	57 55N	55 51E	85.9	192.2	1.826	26.60	51.4	SO312	.03070	8.4430	0.4	A
9012	27446.66	56 58N	53 26E	78.5	192.0	1.826	-18.55	52.0	SO312	.04070	9.2270	0.6	F
9013	27449.46	56 57N	53 26E	77.5	191.9	1.826	-18.20	52.0	SO312	.04070	9.4746	0.6	V
9014	27455.46	56 30N	53 47E	74.3	191.8	2.037	-5.25	52.5	SO312	.04070	9.8873	0.4	V
9015	27458.26	56 29N	53 47E	75.1	191.7	2.037	-4.90	52.5	SO312	.04070	9.6644	0.4	A
9016	27475.66	54 60N	52 35E	78.8	191.4	2.037	-19.95	53.7	SO312	.03070	9.1940	0.6	F
9017	27476.86	54 55N	52 33E	78.8	191.4	2.037	-19.95	53.8	SO312	.03070	9.1940	0.6	F
9018	27486.46	54 31N	53 31E	76.4	191.2	2.037	9.45	54.4	SO312	.04070	9.4911	0.6	A
9019	27498.26	53 29N	51 34E	85.0	191.0	1.826	-29.75	54.9	SO312	.03070	8.5173	0.6	F
9020	27501.26	53 29N	51 34E	83.7	190.9	1.826	-29.40	54.9	SO312	.03070	8.7649	0.6	V
9021	27506.06	53 24N	51 21E	87.8	190.8	2.037	-33.25	55.0	SO312	.03070	8.2944	0.6	A
9022	27516.86	52 9N	52 4E	74.7	190.6	2.181	-5.25	56.3	SO312	.04070	9.7222	0.8	F
9023	27522.06	52 9N	52 5E	74.6	190.6	2.181	-4.55	56.3	SO312	.04070	9.7305	1.0	A
9024	27533.26	51 15N	51 23E	75.9	190.4	2.181	-15.40	57.0	SO312	.03070	9.6809	0.4	V
9025	27536.06	51 15N	51 23E	76.6	190.3	2.181	-15.05	57.0	SO312	.03070	9.4829	0.4	A
9026	27552.26	50 7N	51 10E	75.3	190.1	2.390	-10.50	58.0	SO312	.03070	9.6479	0.4	A
9027	27574.06	48 32N	49 45E	87.4	189.8	2.037	-34.30	59.1	SO312	.03070	8.3935	0.8	V
9028	27577.26	48 32N	49 45E	88.1	189.8	2.037	-33.95	59.1	SO312	.03070	8.2614	0.8	A
9029	27631.46	44 37N	50 19E	78.6	189.1	2.390	16.10	62.8	SO312	.03070	9.2188	0.4	A
9030	27777.26	34 19N	47 5E	74.5	187.9	2.881	-5.60	69.6	SO312	.03070	9.7470	0.6	F
9031	27779.86	34 19N	47 5E	73.7	187.9	2.881	-5.25	69.6	SO312	.03070	9.9698	0.6	V
9032	27793.46	33 14N	46 15E	82.4	187.8	2.738	-26.60	69.8	SO312	.03070	8.7814	0.6	F
9033	27796.46	33 14N	46 14E	81.3	187.8	2.738	-26.25	69.8	SO312	.03070	9.0290	0.4	V
9034	27807.06	32 32N	45 54E	86.0	187.7	2.738	-32.20	70.0	SO312	.03070	8.5338	0.6	V
9035	27810.26	32 31N	45 54E	86.5	187.7	2.738	-31.50	70.0	SO312	.03070	8.4100	0.6	A
9036	27826.06	30 58N	46 6E	77.4	187.6	2.881	-14.70	71.0	SO312	.01650	9.3591	1.0	F
9037	27838.46	30 24N	47 10E	89.7	187.5	2.390	29.40	72.2	SO312	.02200	8.0386	1.4	A
9038	28028.26	17 0N	43 44E	78.7	186.8	3.439	0.00	72.1	SO312	.01650	9.2105	1.0	F
9039	28034.06	16 60N	43 44E	79.1	186.8	3.232	1.40	72.1	SO312	.01650	9.1362	0.8	A
9040	28053.46	15 22N	44 13E	93.3	186.7	2.530	30.10	72.2	SO312	.01650	7.8570	1.4	V
9041	28057.06	15 22N	44 13E	95.0	186.7	2.530	30.45	72.3	SO312	.01650	7.5764	1.2	A
9042	28472.26	13 10S	37 29E	107.1	186.7	3.439	-29.40	49.9	SO312	.03070	6.7759	0.6	V
9043	28476.26	13 10S	37 29E	108.0	186.7	3.439	-28.70	49.9	SO312	.03070	6.6521	0.6	A
9044	28496.86	15 5S	39 16E	123.8	186.7	2.181	35.35	49.3	SO312	.02200	5.8515	1.0	V
9045	28501.66	15 5S	39 16E	126.4	186.7	2.181	35.70	49.3	SO312	.02200	5.6287	0.8	A
563 5001	32827.06	52 11N	30 24E	74.8	190.6	2.181	7.00	56.4	SO130	.02210	9.8304	0.4	V
9001	32780.46	55 17N	30 16E	82.6	191.5	1.826	-26.60	53.4	SO312	.03070	8.7566	0.8	F
9002	32783.26	55 18N	30 15E	81.9	191.4	1.826	-26.95	53.4	SO312	.03070	8.9547	1.8	V
9003	32787.46	55 13N	30 13E	82.8	191.3	2.037	-26.95	53.5	SO312	.03070	8.7896	0.6	A
9004	32792.06	54 28N	30 18E	78.2	191.2	2.037	-18.90	54.2	SO312	.03070	9.2683	0.8	F
9005	32797.66	54 24N	30 18E	77.9	191.1	2.037	-18.20	54.2	SO312	.03070	9.3343	0.8	A
9006	32806.26	53 29N	30 8E	76.4	191.0	2.037	-14.00	55.1	SO312	.03070	9.4911	0.6	F
9007	32809.06	53 29N	30 8E	75.4	190.9	2.037	-13.65	55.1	SO312	.04070	9.7387	0.6	V
9008	32817.46	52 49N	30 45E	75.5	190.8	2.181	9.80	55.9	SO312	.04070	9.7387	0.4	V
9009	32820.86	52 24N	30 37E	76.5	190.7	2.181	10.15	56.2	SO312	.03070	9.5159	0.4	F
9010	32823.46	52 24N	30 37E	75.7	190.7	2.181	10.50	56.2	SO312	.04070	9.7140	0.4	V
9011	32827.06	52 10N	30 24E	74.8	190.6	2.181	7.00	56.4	SO312	.04070	9.8295	0.4	V
9012	32833.66	51 40N	30 43E	79.9	190.5	2.037	20.30	57.0	SO312	.03070	9.2023	0.6	V
9013	32836.66	51 40N	30 43E	81.0	190.5	2.037	20.65	57.0	SO312	.03070	8.9464	0.6	A
9014	32846.26	50 38N	30 13E	78.9	190.3	2.181	16.80	57.8	SO312	.03070	9.2353	0.8	F
9015	32849.06	50 38N	30 13E	78.2	190.3	2.181	17.15	57.8	SO312	.03070	9.4086	0.8	V
9016	32857.06	49 49N	30 27E	87.8	190.2	2.181	29.40	58.6	SO312	.03070	8.3192	0.6	F
9017	32860.26	49 48N	30 27E	87.1	190.1	2.181	29.75	58.7	SO312	.03070	8.4512	0.4	V
9018	32864.06	49 46N	30 31E	90.0	190.1	1.826	31.85	58.7	SO312	.03070	8.0551	0.6	A
9019	32870.66	48 60N	29 28E	76.8	190.0	2.390	11.90	59.2	SO312	.03070	9.4746	0.4	F
9020	32873.26	49 0N	29 28E	76.1	189.9	2.390	12.25	59.2	SO312	.03070	9.6644	0.4	V
9021	32875.86	48 50N	29 25E	76.1	189.9	2.390	12.25	59.3	SO312	.03070	9.6644	0.4	V
9022	32878.66	48 50N	29 24E	77.0	189.9	2.390	12.25	59.3	SO312	.03070	9.4168	0.4	A
9023	32890.06	47 46N	28 9E	76.4	189.7	2.390	-15.75	59.9	SO312	.03070	9.4994	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
563 9024	32892.86	47 46N	28 9E	75.4	189.7	2.390	-15.40	59.9	SO312	.03070	9.7470	0.4	V
9025	32898.86	47 12N	27 35E	81.9	189.6	2.181	-26.60	60.3	SO312	.03070	8.8391	0.4	F
9026	32901.86	47 12N	27 34E	80.9	189.6	2.181	-26.60	60.3	SO312	.03070	9.0702	0.4	V
9027	32905.86	47 6N	27 39E	79.7	189.5	2.390	-23.45	60.4	SO312	.03070	9.1280	0.4	A
9028	32912.66	46 14N	27 40E	76.8	189.4	2.390	-16.45	61.2	SO312	.03070	9.4499	0.6	F
9029	32915.26	46 14N	27 40E	75.8	189.4	2.390	-16.10	61.2	SO312	.03070	9.6974	0.6	V
9030	32920.66	45 42N	27 11E	81.2	189.3	2.181	-25.55	61.5	SO312	.03070	8.9052	0.6	F
9031	32923.46	45 43N	27 11E	80.2	189.3	2.390	-25.55	61.5	SO312	.03070	9.1693	0.6	V
9032	32928.26	45 12N	26 50E	85.3	189.2	2.181	-31.15	61.8	SO312	.02200	8.4760	0.4	F
9033	32931.26	45 12N	26 50E	84.0	189.2	2.181	-30.80	61.8	SO312	.02200	8.7318	1.0	V
9034	32934.86	45 10N	26 48E	85.2	189.2	2.390	-31.15	61.8	SO312	.02200	8.5503	0.6	A
9035	32952.06	43 34N	26 31E	82.8	189.0	2.181	-28.00	63.1	SO312	.03070	8.7318	0.6	F
9036	32955.06	43 33N	26 31E	81.7	189.0	2.390	-28.00	63.1	SO312	.03070	8.9677	0.6	V
9037	32959.06	43 16N	26 34E	79.3	188.9	2.390	-24.15	63.4	SO312	.03070	9.2683	0.6	V
9038	32962.06	43 16N	26 34E	80.1	188.9	2.390	-23.80	63.4	SO312	.03070	9.0867	0.6	A
9039	32967.46	42 42N	26 21E	80.5	188.8	2.390	-26.25	63.8	SO312	.03070	9.1197	0.6	V
9040	32970.46	42 42N	26 21E	81.3	188.8	2.390	-25.90	63.8	SO312	.03070	8.9547	0.6	A
9041	32977.26	42 6N	26 20E	77.6	188.7	2.530	-21.70	64.3	SO312	.03070	9.4581	0.4	V
9042	32980.06	42 1N	26 20E	78.4	188.7	2.530	-21.35	64.3	SO312	.03070	9.2765	0.4	A
9043	32993.46	40 55N	25 55E	80.2	188.6	2.530	-25.55	65.1	SO312	.03070	9.1445	0.8	V
9044	32996.46	40 54N	25 55E	81.0	188.6	2.530	-25.20	65.1	SO312	.03070	8.9794	0.8	A
9045	33040.66	37 29N	24 57E	84.8	188.2	2.390	-30.10	67.3	SO312	.04070	8.5338	1.0	F
9046	33043.66	37 29N	24 57E	83.5	188.2	2.390	-29.75	67.3	SO312	.04070	8.7496	1.0	V
9047	33118.26	32 8N	23 55E	82.1	187.7	2.738	-25.55	70.3	SO312	.03070	8.8144	0.4	F
9048	33121.06	32 8N	23 55E	81.0	187.7	2.738	-25.20	70.3	SO312	.03070	9.0620	0.4	V
9049	33124.46	31 54N	23 54E	80.3	187.7	2.738	-24.15	70.5	SO312	.03070	9.1362	0.8	V
9050	33524.46	4 23N	18 35E	93.8	186.5	3.439	-28.70	64.4	SO312	.03070	7.7828	0.6	V
9051	33527.86	4 23N	18 35E	94.6	186.5	3.439	-28.00	64.5	SO312	.02200	7.6425	0.6	A
9052	33726.46	9 29S	16 20E	97.4	186.6	3.439	-21.00	53.3	SO312	.03070	7.4609	1.0	V
9053	33730.06	9 29S	16 20E	98.5	186.6	3.439	-20.30	53.4	SO312	.03070	7.2958	1.0	A
9054	33846.66	17 46S	15 43E	101.2	186.8	3.092	9.10	46.4	SO312	.03070	7.1473	0.6	V
9055	33850.46	17 46S	15 43E	103.0	186.8	3.092	9.80	46.4	SO312	.03070	6.9079	0.6	A
564 9001	38126.66	52 33N	8 34E	76.5	190.8	2.181	10.15	56.1	SO312	.03070	9.5159	0.8	F
9002	38129.46	52 33N	8 33E	75.7	190.7	2.181	10.50	56.1	SO312	.04070	9.7140	0.6	V
9003	38135.06	51 59N	8 20E	76.3	190.6	2.181	9.80	56.6	SO312	.03070	9.5324	1.4	F
9004	38141.46	51 33N	8 8E	75.8	190.5	2.390	7.70	57.0	SO312	.03070	9.5984	0.6	F
9005	38146.86	51 34N	8 7E	76.0	190.4	2.181	8.75	57.0	SO312	.03070	9.5489	0.6	A
9006	38155.06	50 42N	7 12E	75.1	190.3	2.181	-9.10	57.6	SO312	.03070	9.6644	0.6	F
9007	38157.66	50 42N	7 12E	74.2	190.3	2.181	-8.75	57.6	SO312	.04070	9.9038	0.6	V
9008	38161.86	50 14N	7 4E	74.9	190.2	2.390	-8.40	58.0	SO312	.03070	9.6974	0.6	F
9009	38164.46	50 14N	7 5E	74.0	190.2	2.390	-8.05	58.0	SO312	.04070	9.9368	0.6	V
9010	38359.06	36 44N	3 14E	75.8	188.1	2.881	-11.90	68.1	SO312	.02200	9.5654	1.0	F
9011	38364.46	36 44N	3 14E	75.8	188.1	2.881	-11.20	68.1	SO312	.02200	9.5819	1.0	A
9012	38373.66	36 42N	3 16E	74.5	188.0	2.881	-1.75	68.9	SO312	.03070	9.7635	0.8	F
9013	38376.46	36 41N	3 16E	73.7	188.0	2.881	-1.40	68.9	SO312	.03070	9.9780	0.6	V
565 9001	43986.06	14 57N	23 31W	83.4	186.7	3.439	-20.65	70.9	SO312	.03070	8.7731	0.6	V
9002	43989.26	14 57N	23 31W	84.2	186.7	3.439	-19.95	70.9	SO312	.03070	8.5998	0.6	A
566 9001	49737.86	15 54S	50 8W	102.7	186.8	3.092	13.30	48.1	SO312	.03070	6.9987	1.0	F
9002	49744.86	15 53S	49 56W	108.0	186.8	2.881	20.65	48.3	SO312	.03070	6.5861	0.8	A
9003	49778.66	18 21S	51 19W	100.0	186.9	3.439	-9.80	45.5	SO312	.03070	7.2381	0.8	V
9004	49793.66	19 20S	51 49W	104.4	186.9	3.439	-19.60	44.5	SO312	.03070	6.9327	0.8	V
9005	49825.26	21 22S	50 6W	138.1	187.0	1.690	39.20	43.6	SO312	.02200	5.1088	1.4	A
9006	49837.26	22 8S	51 25W	106.8	187.0	2.738	10.50	42.4	SO312	.03070	6.6438	1.4	A
9007	49936.06	29 12S	54 53W	140.1	187.4	2.738	-40.60	34.9	SO312	.02200	5.0675	0.4	F
9008	49946.06	29 40S	53 48W	111.3	187.5	3.232	-15.05	34.9	SO312	.03070	6.4705	0.4	V
9009	49949.86	29 40S	53 40W	111.6	187.5	3.232	-11.20	35.0	SO312	.03070	6.3632	1.4	A
9010	49961.26	30 14S	54 57W	134.8	187.6	3.232	-37.10	34.0	SO312	.03070	5.2986	0.4	A
567 9001	55016.26	13 29S	71 55W	98.7	186.7	3.092	11.20	50.3	SO312	.03070	7.2215	1.4	A
9002	55059.46	17 1S	71 59W	114.6	186.8	2.738	26.60	47.3	SO312	.02200	6.2807	0.8	F
9003	55064.86	18 49S	71 54W	117.4	186.8	2.530	28.70	47.6	SO312	.02200	6.0496	0.6	A
9004	55075.86	17 34S	71 19W	143.9	186.8	1.484	43.40	47.2	SO312	.02200	4.9272	0.6	A
568 9001	59901.66	14 59N	89 32W	80.8	186.7	3.439	-9.10	71.1	SO312	.03070	8.9629	0.6	F
9002	59904.46	14 59N	89 32W	79.9	186.7	3.439	-8.75	71.2	SO312	.03070	9.1610	0.6	V
9003	59914.66	14 18N	89 53W	82.5	186.7	3.439	-17.85	70.6	SO312	.03070	8.8721	0.6	V
9004	59917.86	14 19N	89 53W	83.5	186.7	3.439	-17.50	70.7	SO312	.03070	8.6741	0.6	A
569 5001	65034.06	26 47N	108 31W	85.5	187.3	2.881	23.80	73.3	SO130	.01660	8.5263	0.8	F
5002	65044.06	26 31N	108 34W	85.6	187.3	2.530	25.55	73.3	SO130	.01660	8.4603	0.6	A
9001	64956.66	32 13N	108 13W	74.9	187.7	3.092	-7.70	70.7	SO312	.02200	9.6809	0.6	F
9002	64962.06	32 13N	108 13W	75.0	187.7	3.092	-6.65	70.7	SO312	.02200	9.6727	0.6	A
9003	65073.86	24 11N	110 18W	82.7	187.1	3.092	-23.80	72.5	SO312	.03070	8.7401	0.6	F
9004	65079.86	24 11N	110 17W	82.3	187.1	3.232	-22.75	72.6	SO312	.03070	8.8144	0.4	A
574 9001	4693.86	59 39N	151 2E	80.8	193.0	1.826	18.90	49.9	SO312	.03070	8.9794	0.4	F
9002	4698.26	59 34N	150 47E	78.1	192.9	1.826	15.05	50.0	SO312	.05390	9.4168	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
574 9003	4701.26	59 34N	150 47E	79.1	192.8	1.826	15.40	50.0	SO312	.04070	9.1693	0.6	A
575 9001	9972.26	62 0N	129 41E	76.0	193.9	1.690	7.35	47.7	SO312	.03070	9.6644	0.6	V
9002	9975.06	62 0N	129 40E	76.9	193.8	1.690	7.35	47.7	SO312	.03070	9.4416	0.6	A
9003	10079.06	55 10N	124 44E	84.4	191.3	1.826	-29.05	53.7	SO312	.02200	8.6081	0.6	A
9004	10116.06	52 27N	125 26E	78.2	190.7	2.181	15.05	56.4	SO312	.03070	9.2765	0.6	A
9005	10184.66	47 29N	124 1E	83.3	189.7	2.390	24.15	60.8	SO312	.03070	8.7484	0.4	F
9006	10187.46	47 21N	123 59E	82.0	189.6	2.181	23.80	60.8	SO312	.03070	8.9794	0.6	V
9007	10190.46	47 21N	123 59E	83.2	189.6	2.181	24.15	60.8	SO312	.03070	8.7071	0.6	A
9008	10206.06	46 2N	122 28E	74.9	189.4	2.530	-10.15	61.5	SO312	.03070	9.6892	0.4	F
9009	10212.06	45 46N	122 41E	73.5	189.3	2.530	-0.35	61.9	SO312	.03070	10.0028	0.6	V
9010	10214.86	45 45N	122 40E	74.4	189.3	2.530	0.00	61.9	SO312	.03070	9.7552	0.6	A
9011	10243.26	43 37N	122 15E	74.3	189.0	2.530	5.95	63.6	SO312	.03070	9.6955	0.6	V
9012	10262.66	42 7N	121 41E	74.5	188.8	2.738	0.00	64.7	SO312	.03070	9.7552	0.8	F
9013	10265.46	42 7N	121 40E	73.7	188.8	2.738	0.35	64.7	SO312	.03070	9.9780	0.6	V
9014	10271.66	41 40N	121 42E	74.1	188.7	2.738	5.25	65.1	SO312	.03070	9.9285	0.4	V
9015	10276.26	41 22N	121 33E	74.0	188.7	2.738	2.80	65.3	SO312	.03070	9.9368	2.0	V
9016	10282.86	41 5N	121 23E	74.6	188.6	2.738	0.00	65.4	SO312	.03070	9.7222	0.4	A
9017	10340.06	33 37N	119 1E	78.2	187.8	2.881	-20.65	69.8	SO312	.03070	9.3838	0.4	V
9018	10409.26	32 5N	118 50E	77.4	187.7	2.881	-15.75	70.6	SO312	.03070	9.3591	0.4	F
9019	10411.86	32 6N	118 50E	76.5	187.7	2.881	-15.40	70.6	SO312	.03070	9.5984	2.2	V
9020	10415.06	31 53N	118 47E	76.5	187.7	2.881	-15.40	70.7	SO312	.03070	9.5902	0.4	V
9021	10420.06	31 22N	118 21E	83.0	187.6	2.738	-26.95	70.7	SO312	.03070	8.7071	0.4	F
9022	10423.06	31 22N	118 21E	81.9	187.6	2.738	-26.60	70.7	SO312	.04070	8.9629	0.4	V
9023	10426.66	31 8N	118 13E	83.9	187.6	2.738	-29.40	70.8	SO312	.03070	8.7484	0.6	V
9024	10429.66	31 8N	118 13E	84.7	187.6	2.738	-29.05	70.8	SO312	.03070	8.5915	0.6	A
9025	10434.66	30 22N	117 55E	88.7	187.5	2.530	-33.60	71.0	SO312	.02200	8.1376	0.8	F
9026	10437.86	30 22N	117 55E	87.5	187.5	2.738	-33.60	71.0	SO312	.03070	8.3852	0.8	V
9027	10458.66	28 60N	118 54E	79.0	187.4	2.881	12.60	72.4	SO312	.03070	9.1527	1.0	A
9028	10981.26	7 11S	112 44E	104.9	186.6	2.738	25.90	56.0	SO312	.03070	6.9244	0.6	V
9029	10985.26	7 11S	112 45E	107.4	186.6	2.530	26.95	56.0	SO312	.03070	6.8438	0.6	A
9030	10991.86	7 55S	112 43E	108.5	186.6	2.530	29.05	55.4	SO312	.02200	6.7016	0.4	V
9031	10995.86	7 55S	112 43E	110.5	186.6	2.530	29.40	55.5	SO312	.01650	6.4540	0.4	A
576 5001	15640.06	37 31N	97 16E	88.1	188.2	2.390	-36.40	67.3	SO130	.01250	8.1962	0.6	F
5002	15797.46	26 38N	95 40E	77.1	187.3	3.092	-12.60	72.5	SO130	.01660	9.4095	1.0	F
5003	15810.66	26 0N	97 8E	107.1	187.2	1.826	42.35	74.0	SO130	.01250	6.7435	1.0	A
9001	15369.66	56 25N	103 9E	83.4	191.7	1.826	-28.00	52.6	SO312	.03070	8.7318	0.4	A
9002	15406.06	53 29N	102 37E	76.4	191.0	2.037	-15.05	55.3	SO312	.03070	9.4829	0.8	F
9003	15408.86	53 29N	102 37E	75.5	190.9	2.037	-14.70	55.3	SO312	.04070	9.7305	0.8	V
9004	15420.46	52 30N	103 54E	85.3	190.7	2.037	28.00	56.5	SO312	.03070	8.6081	1.0	V
9005	15423.66	52 30N	103 54E	86.5	190.7	1.826	28.35	56.5	SO312	.03070	8.3852	0.8	A
9006	15581.46	41 18N	100 19E	88.1	188.7	2.390	30.10	65.7	SO312	.03070	8.2779	0.6	F
9007	15584.66	41 18N	100 19E	87.6	188.7	2.181	30.80	65.7	SO312	.03070	8.4017	0.4	V
9008	15587.86	41 5N	100 16E	87.6	188.6	2.181	30.80	65.9	SO312	.03070	8.4100	0.8	V
9009	15592.46	40 48N	99 55E	81.7	188.6	2.390	23.80	66.0	SO312	.03070	9.0042	0.4	V
9010	15595.46	40 48N	99 54E	82.7	188.6	2.390	23.80	66.0	SO312	.03070	8.7484	0.4	A
9011	15600.66	40 27N	99 44E	81.3	188.5	2.390	21.70	66.2	SO312	.03070	8.8969	0.4	A
9012	15640.06	37 31N	97 16E	88.2	188.2	2.390	-36.40	67.3	SO312	.02200	8.1954	1.2	F
9013	15643.26	37 30N	97 16E	86.9	188.2	2.390	-36.05	67.3	SO312	.02200	8.4512	0.4	V
9014	15648.06	37 22N	97 23E	84.1	188.1	2.738	-32.20	67.5	SO312	.03070	8.6658	0.6	A
9015	16017.06	11 43N	92 45E	83.5	186.6	3.439	-17.15	69.3	SO312	.04070	8.7566	1.0	V
9016	16020.26	11 42N	92 44E	84.5	186.6	3.439	-16.80	69.4	SO312	.03070	8.5585	1.0	A
9017	16053.06	9 11N	92 49E	83.0	186.6	3.439	4.20	68.3	SO312	.02200	8.8061	0.6	V
9018	16056.06	9 11N	92 49E	84.2	186.6	3.439	4.55	68.3	SO312	.02200	8.5503	0.8	A
577 5001	20683.86	55 20N	83 3E	87.4	191.6	2.037	28.70	54.0	SO130	.01250	8.3282	0.6	F
5002	20687.66	55 19N	83 3E	87.0	191.5	1.826	29.40	54.0	SO130	.01250	8.4355	0.6	V
5003	20690.46	55 6N	82 59E	87.2	191.4	1.826	29.75	54.2	SO130	.01250	8.4108	0.6	V
5004	20772.26	49 58N	78 55E	80.2	190.1	2.181	-23.80	58.2	SO130	.02210	9.0711	1.2	A
9001	20683.86	55 20N	83 3E	87.5	191.6	2.037	28.70	54.0	SO312	.02200	8.3274	1.0	F
9002	20687.46	55 18N	83 3E	87.0	191.5	1.826	29.40	54.0	SO312	.02200	8.4347	0.8	V
9003	20690.46	55 6N	82 58E	87.2	191.4	1.826	29.75	54.2	SO312	.02200	8.4100	1.0	V
9004	20694.06	55 4N	82 59E	89.0	191.4	1.826	30.45	54.2	SO312	.02200	8.1541	1.6	A
9005	20708.06	53 51N	81 17E	74.9	191.1	2.181	2.10	55.1	SO312	.03070	9.6474	0.6	F
9006	20710.66	53 51N	81 17E	74.1	191.0	2.181	2.45	55.1	SO312	.03070	9.9203	0.6	V
9007	20734.06	52 31N	80 13E	75.9	190.6	2.181	-12.60	56.1	SO312	.03070	9.5737	0.4	A
9008	20768.46	50 2N	78 56E	79.4	190.1	2.181	-24.15	58.1	SO312	.03070	9.2435	0.8	V
9009	20771.46	50 1N	78 56E	80.1	190.1	2.181	-23.80	58.2	SO312	.03070	9.0702	0.8	A
9010	20860.66	43 31N	76 58E	81.4	189.0	2.390	-26.60	63.3	SO312	.03070	8.8887	0.4	F
9011	20865.46	43 22N	77 10E	76.7	188.9	2.390	-19.60	63.5	SO312	.02200	9.5737	0.6	V
9012	20868.26	43 22N	77 10E	77.5	188.9	2.390	-19.25	63.5	SO312	.02200	9.3838	0.6	A
9013	20875.66	42 39N	77 5E	74.9	188.8	2.530	-16.10	64.1	SO312	.03070	9.8047	0.4	V
9014	20882.66	42 30N	76 11E	92.2	188.8	2.181	-38.85	63.9	SO312	.02200	7.9148	0.4	A
9015	21049.66	30 47N	75 39E	92.4	187.6	2.181	32.20	72.2	SO312	.02200	7.8158	0.8	A
9016	21203.46	19 52N	72 40E	79.5	186.9	3.232	4.55	73.0	SO312	.03070	9.1362	0.6	F
9017	21206.26	19 52N	72 40E	78.7	186.9	3.232	4.90	73.0	SO312	.03070	9.3096	0.6	V
9018	21215.46	18 59N	72 51E	85.0	186.9	3.092	18.20	73.1	SO312	.03070	8.5585	1.0	F
9019	21221.46	18 60N	72 51E	85.7	186.9	2.881	19.25	73.1	SO312	.03070	8.4100	1.2	A
578 5001	25962.26	57 57N	60 6E	77.8	192.2	2.037	-17.15	51.3	SO130	.02210	9.3517	0.8	A
9001	25956.46	57 58N	60 7E	77.9	192.3	1.826	-17.15	51.3	SO312	.04070	9.3013	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
578 9002	25959.26	57 58N	60 6E	77.0	192.3	1.826	-17.15	51.3	SO312	.04070	9.5324	0.8	V
9003	26003.06	54 50N	58 28E	81.2	191.3	1.826	-24.85	54.0	SO312	.03070	8.9052	0.8	F
9004	26005.86	54 50N	58 28E	80.3	191.3	1.826	-24.85	54.0	SO312	.03070	9.1362	1.0	V
9005	26010.66	54 44N	58 16E	83.0	191.2	2.037	-28.00	54.1	SO312	.03070	8.7649	0.4	A
9006	26021.06	53 27N	59 23E	76.9	191.0	2.181	11.90	55.5	SO312	.03070	9.4499	0.6	F
9007	26023.66	53 28N	59 23E	76.1	190.9	2.181	12.25	55.5	SO312	.04070	9.6479	0.6	V
9008	26031.46	52 37N	59 55E	89.9	190.8	2.037	31.50	56.4	SO312	.03070	8.1129	0.6	F
9009	26034.66	52 37N	59 55E	89.0	190.8	1.826	31.85	56.4	SO312	.03070	8.2449	0.6	V
9010	26052.66	51 18N	58 37E	77.3	190.5	2.181	13.30	57.4	SO312	.03070	9.4168	0.6	F
9011	26055.46	51 18N	58 37E	76.6	190.4	2.181	13.65	57.4	SO312	.03070	9.6067	0.4	V
9012	26066.86	50 28N	57 2E	79.7	190.2	2.037	-22.75	57.8	SO312	.03070	9.0867	0.4	F
9013	26069.66	50 28N	57 2E	78.8	190.2	2.037	-22.40	57.8	SO312	.03070	9.3426	0.4	V
9014	26072.86	50 3N	56 58E	78.6	190.2	2.037	-20.65	58.2	SO312	.03070	9.2188	1.2	F
9015	26078.66	50 3N	56 59E	78.2	190.1	2.181	-19.95	58.2	SO312	.03070	9.2931	1.0	A
9016	26089.66	48 44S	58 6E	82.7	189.9	2.181	23.45	59.7	SO312	.03070	8.8144	0.6	F
9017	26092.46	48 44N	58 6E	82.0	189.9	2.181	23.80	59.7	SO312	.03070	8.9712	0.6	V
9018	26094.66	48 35N	58 3E	82.0	189.9	2.181	23.80	59.8	SO312	.03070	8.9712	1.2	V
9019	26098.46	48 32N	58 2E	83.3	189.8	2.181	24.15	59.9	SO312	.03070	8.7071	0.4	A
9020	26113.86	47 9S	57 5E	76.0	189.6	2.530	9.45	60.9	SO312	.03070	9.5737	0.4	F
9021	26116.66	47 9S	57 5E	75.3	189.6	2.530	9.80	60.9	SO312	.03070	9.7717	0.6	V
9022	26165.86	43 55S	54 55E	81.5	189.0	2.390	-27.65	63.0	SO312	.03070	9.0124	0.6	V
9023	26168.86	43 55N	54 55E	82.2	189.0	2.390	-27.30	63.0	SO312	.03070	8.8556	0.6	A
9024	26259.86	37 35N	53 55E	75.3	188.2	2.881	-8.40	67.8	SO312	.03070	9.6314	0.4	A
9025	26266.26	36 55N	54 3E	74.4	188.1	2.738	2.10	68.3	SO312	.03070	9.8708	0.6	V
9026	26269.06	36 55N	54 3E	75.4	188.1	2.738	2.45	68.3	SO312	.03070	9.6232	0.6	A
9027	26434.86	25 20N	51 30E	76.5	187.2	3.092	0.70	73.0	SO312	.03070	9.5902	0.6	V
9028	26437.66	25 20N	51 30E	77.5	187.2	3.092	1.05	73.1	SO312	.03070	9.3426	0.6	A
579 5001	31349.86	51 54S	37 19E	85.7	190.6	2.037	27.30	57.0	SO130	.01660	8.5098	3.6	F
5002	31359.26	51 41N	37 20E	88.2	190.5	1.826	30.10	57.2	SO130	.01250	8.2374	3.6	A
5003	31392.26	49 0N	36 23E	88.3	190.0	2.181	30.10	59.6	SO130	.01250	8.2704	3.2	F
5004	31424.26	47 12N	34 22E	74.0	189.6	2.390	-9.10	60.7	SO130	.01660	9.9212	5.0	V
5005	31432.26	46 49N	34 20E	74.6	189.5	2.390	-6.30	61.0	SO130	.01660	9.7479	5.0	A
9001	31190.66	62 59N	41 25E	75.0	194.4	1.690	-1.05	46.8	SO312	.04070	9.7965	0.4	V
9002	31193.26	63 0N	41 25E	75.9	194.3	1.690	-0.70	46.8	SO312	.04070	9.5654	0.6	A
9003	31284.66	56 28N	38 5E	74.9	191.9	2.037	0.35	52.8	SO312	.04070	9.6892	0.6	F
9004	31287.26	56 29N	38 5E	74.1	191.8	2.037	0.70	52.8	SO312	.04070	9.9203	0.6	V
9005	31292.46	55 57N	37 49E	74.9	191.7	2.037	-0.70	53.2	SO312	.04070	9.6974	0.8	F
9006	31297.86	55 57N	37 49E	74.9	191.6	2.037	0.00	53.2	SO312	.04070	9.6892	0.8	A
9007	31305.06	55 10N	38 23E	80.7	191.4	2.037	21.35	54.1	SO312	.03070	9.0950	0.4	V
9008	31308.06	55 10N	38 23E	82.0	191.4	1.826	22.05	54.1	SO312	.03070	8.8391	0.4	A
9009	31320.66	54 8N	35 52E	84.7	191.1	1.826	-29.75	54.6	SO312	.03070	8.5338	0.6	F
9010	31323.26	53 58N	35 47E	85.0	191.1	1.826	-30.10	54.7	SO312	.03070	8.5008	0.6	F
9011	31326.26	53 58N	35 47E	84.0	191.0	1.826	-30.10	54.7	SO312	.03070	8.7236	0.6	V
9012	31330.06	53 42N	35 39E	84.6	191.0	1.826	-30.80	55.0	SO312	.03070	8.6741	0.6	V
9013	31333.26	53 42N	35 39E	85.4	190.9	2.037	-30.80	55.0	SO312	.03070	8.5255	0.4	A
9014	31376.86	50 6N	36 27E	82.3	190.2	2.181	22.75	58.5	SO312	.03070	8.8639	0.4	F
9015	31378.46	49 59N	36 24E	82.2	190.2	2.181	22.75	58.6	SO312	.03070	8.8639	0.6	F
9016	31381.46	49 59N	36 23E	81.3	190.1	2.181	22.75	58.6	SO312	.03070	9.0455	0.6	V
9017	31382.66	49 54N	36 22E	81.3	190.1	2.181	22.75	58.7	SO312	.03070	9.0455	0.4	V
9018	31385.66	49 54N	36 21E	82.3	190.1	2.181	22.75	58.7	SO312	.03070	8.8061	0.4	A
9019	31401.86	48 36N	35 50E	80.2	189.9	2.181	21.00	59.8	SO312	.03070	9.1693	0.8	V
9020	31404.86	48 36N	35 50E	81.4	189.8	2.181	21.35	59.8	SO312	.03070	8.9052	0.8	A
9021	31410.86	47 51N	35 14E	76.5	189.7	2.390	10.85	60.3	SO312	.03070	9.5159	0.6	F
9022	31413.46	47 51N	35 14E	75.7	189.7	2.390	11.20	60.3	SO312	.03070	9.7057	0.4	V
9023	31416.26	47 51N	35 14E	76.7	189.7	2.390	11.55	60.3	SO312	.03070	9.4416	0.4	A
9024	31452.06	45 7N	33 36E	76.0	189.2	2.530	-14.35	62.3	SO312	.03070	9.5324	0.8	F
9025	31454.86	45 7N	33 36E	75.1	189.2	2.530	-14.00	62.3	SO312	.03070	9.7800	0.8	V
9026	31655.66	31 10N	29 48E	84.3	187.6	2.738	-28.35	70.8	SO312	.01650	8.5750	0.8	F
9027	31658.66	31 10N	29 48E	83.1	187.6	2.738	-28.00	70.8	SO312	.01650	8.8226	1.0	V
9028	31662.26	31 7N	29 48E	83.9	187.6	2.738	-27.65	70.8	SO312	.01650	8.6058	0.4	A
9029	31675.46	29 54N	30 25E	75.8	187.5	3.092	4.20	72.0	SO312	.03070	9.6892	0.4	V
9030	31683.66	29 15N	31 2E	89.9	187.5	2.530	30.10	72.8	SO312	.01650	8.1706	1.0	V
9031	31687.06	29 15N	31 2E	91.4	187.4	2.530	30.45	72.8	SO312	.01650	7.8983	0.8	A
9032	32608.66	33 54S	18 26E	113.3	187.8	2.881	2.10	31.0	SO312	.03070	6.3467	0.6	V
9033	32612.86	33 53S	18 27E	115.1	187.9	2.881	2.80	31.1	SO312	.03070	6.1404	0.8	A
580 9001	36630.66	53 52N	14 17E	76.8	191.1	2.037	-15.40	55.0	SO312	.04070	9.4416	0.4	F
9002	36633.26	53 52N	14 18E	75.8	191.0	2.037	-15.05	55.0	SO312	.04070	9.6892	0.4	V
9003	36638.46	53 28N	14 36E	73.8	190.9	2.181	-3.15	55.4	SO312	.04070	9.9533	0.6	V
9004	36641.26	53 28N	14 36E	74.7	190.9	2.181	-2.80	55.4	SO312	.04070	9.7222	0.6	A
9005	36648.66	52 51N	13 42E	77.7	190.8	2.037	-20.30	55.8	SO312	.03070	9.4499	0.6	V
9006	36651.46	52 51N	13 42E	78.7	190.7	2.037	-20.30	55.8	SO312	.03070	9.2435	0.6	A
9007	36657.46	52 1N	13 47E	75.4	190.6	2.181	-10.85	56.6	SO312	.03070	9.6149	0.4	F
9008	36660.06	52 2N	13 48E	74.5	190.6	2.181	-10.50	56.6	SO312	.04070	9.8625	0.6	V
9009	36664.46	51 33N	13 35E	75.6	190.5	2.181	-11.90	57.0	SO312	.03070	9.5902	0.6	F
9010	36667.26	51 33N	13 34E	74.7	190.5	2.181	-11.90	57.0	SO312	.04070	9.8212	0.6	V
9011	36672.86	51 22N	13 20E	76.9	190.4	2.181	-16.45	57.1	SO312	.03070	9.4416	0.6	A
9012	36679.86	50 46N	12 30E	85.3	190.3	2.037	-32.20	57.5	SO312	.03070	8.6081	0.4	V
9013	36682.86	50 47N	12 30E	86.0	190.2	2.037	-31.85	57.5	SO312	.03070	8.4595	0.6	A
9014	36688.06	50 9N	12 48E	77.1	190.1	2.181	-20.30	58.1	SO312	.03070	9.5159	0.6	V
9015	36690.86	50 10N	12 48E	77.9	190.1	2.181	-19.95	58.1	SO312	.03070	9.3343	0.6	A
9016	36694.46	49 43N	12 44E	76.2	190.1	2.181	-17.85	58.5	SO312	.03070	9.6314	0.4	V
9017	36697.26	49 43N	12 44E	77.0	190.0	2.390	-17.85	58.5	SO312	.03070	9.4416	0.4	A
9018	36701.66	49 24N	12 42E	76.1	190.0	2.390	-16.10	58.8	SO312	.03070	9.5489	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLF RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
580 9019	36873.86	37 11N	9 50E	74.9	188.2	2.881	-1.05	68.1	SO312	.04070	9.8974	0.8	F
9020	36876.66	37 10N	9 49E	74.1	188.2	2.881	-0.70	68.2	SO312	.04070	9.9120	0.6	V
581 9001	42379.06	23 45N	15 55W	85.5	187.1	3.092	-29.05	72.5	SO312	.01650	8.5668	1.0	V
9002	42382.26	23 45N	15 56W	86.4	187.1	3.092	-28.70	72.5	SO312	.01650	8.4017	1.0	A
9003	42460.86	18 7N	16 58W	87.0	186.8	3.092	-28.35	71.8	SO312	.03070	8.4100	0.8	V
9004	42464.06	18 7N	16 58W	87.9	186.8	3.092	-28.00	71.8	SO312	.03070	8.2449	0.8	A
9005	42510.46	14 41N	17 26W	84.9	186.7	3.232	-22.75	70.7	SO312	.03070	8.6081	0.8	V
9006	42513.66	14 41N	17 26W	85.7	186.7	3.439	-22.40	70.7	SO312	.03070	8.4512	0.8	A
9007	42526.46	13 27N	16 34W	87.4	186.7	2.881	19.95	71.1	SO312	.03070	8.3770	0.4	V
9008	42529.66	13 28N	16 34W	89.0	186.7	2.881	20.65	71.1	SO312	.02200	8.0799	0.6	A
582 9001	48066.26	2 51S	41 43W	92.9	186.5	3.232	11.55	59.4	SO312	.03070	7.7828	1.4	F
9002	48078.06	3 53S	40 46W	129.1	186.5	2.181	42.70	59.2	SO312	.02200	5.5957	1.4	F
9003	48087.46	4 24S	41 27W	106.6	186.5	2.738	28.70	58.4	SO312	.02200	6.7841	0.6	F
9004	48092.86	4 13S	41 40W	98.4	186.5	2.881	19.25	58.4	SO312	.02200	7.2463	1.4	A
9005	48103.86	5 16S	41 31W	109.9	186.5	2.390	31.85	57.7	SO312	.02200	6.6108	1.4	V
9006	48122.66	6 35S	44 6W	121.9	186.5	3.092	-43.40	55.1	SO312	.02200	5.8681	0.6	F
9007	48132.06	6 44S	43 35W	103.0	186.6	3.587	-29.05	55.4	SO312	.02200	6.9822	1.4	A
9008	48202.46	11 44S	42 1W	139.7	186.6	1.484	44.45	52.4	SO312	.02200	5.0758	1.4	A
9009	48238.46	14 11S	42 45W	126.1	186.7	1.826	37.80	50.0	SO312	.02200	5.5379	1.4	A
9010	48271.06	16 39S	43 49W	108.0	186.8	2.738	21.70	47.4	SO312	.03070	6.6934	1.4	V
9011	48283.06	17 8S	44 38W	100.1	186.8	3.439	-1.40	46.6	SO312	.03070	7.1225	1.4	A
9012	48297.46	18 11S	43 39W	124.0	186.9	2.181	33.25	46.2	SO312	.02200	5.7112	1.4	A
583 5001	53934.06	41 10S	70 53W	128.0	188.6	2.181	19.60	24.3	SO130	.02210	5.5466	1.4	F
5002	53938.66	41 10S	70 53W	127.3	188.6	2.181	19.95	24.3	SO130	.02210	5.6127	1.4	V
5003	53943.46	41 10S	70 53W	129.6	188.7	2.181	20.30	24.3	SO130	.02210	5.4228	1.4	A
9001	53382.66	3 20S	64 42W	92.0	186.5	3.587	-17.85	58.5	SO312	.03070	7.8983	1.4	V
9002	53486.66	10 45S	65 22W	96.1	186.6	3.439	5.25	52.5	SO312	.04070	7.4856	1.4	F
9003	53490.66	10 47S	65 23W	95.3	186.6	3.232	5.60	52.4	SO312	.04070	7.6177	0.8	V
9004	53524.26	13 17S	66 14W	97.2	186.7	3.439	-9.10	50.0	SO312	.03070	7.3784	0.6	F
9005	53529.86	13 24S	66 29W	98.4	186.7	3.587	-16.45	49.8	SO312	.03070	7.3536	1.4	V
9006	53535.86	13 30S	66 50W	105.8	186.7	3.587	-26.25	49.5	SO312	.03070	6.7841	1.4	A
9007	53543.26	14 2S	66 46W	102.8	186.7	3.587	-21.35	49.1	SO312	.03070	6.9575	1.4	A
9008	53550.26	14 23S	67 30W	120.6	186.7	3.439	-38.50	48.4	SO312	.02200	5.9506	0.8	A
9009	53617.46	19 14S	68 38W	128.5	186.9	3.092	-42.35	43.9	SO312	.02200	5.6287	1.0	V
9010	53624.86	19 25S	68 38W	128.3	186.9	3.232	-41.30	43.8	SO312	.02200	5.5792	1.4	A
9011	53659.46	22 29S	68 2W	102.7	187.0	3.439	-11.20	41.5	SO312	.02200	6.9575	1.0	F
9012	53672.86	23 19S	66 30W	129.6	187.1	2.181	35.70	41.5	SO312	.02200	5.5709	1.0	V
9013	53760.66	28 33S	70 44W	142.0	187.4	3.092	-42.00	35.3	SO312	.02200	5.0180	1.4	A
9014	53821.46	33 1S	68 30W	136.4	187.8	1.826	31.85	32.3	SO312	.03070	5.1583	1.4	A
9015	53848.66	35 14S	71 13W	120.2	187.9	3.092	-20.65	29.4	SO312	.03070	5.9093	0.8	F
9016	53853.46	34 57S	71 15W	121.5	188.0	3.092	-21.70	29.6	SO312	.03070	5.8350	0.8	A
9017	53873.46	36 33S	72 1W	128.6	188.1	2.881	-29.40	27.9	SO312	.02200	5.5792	0.8	V
9018	53878.66	36 34S	72 5W	131.7	188.1	3.092	-30.45	27.9	SO312	.03070	5.3894	0.8	A
9019	53885.66	37 21S	72 24W	133.4	188.2	2.881	-32.55	27.1	SO312	.03070	5.3729	1.4	V
9020	53891.86	37 26S	72 22W	133.4	188.2	3.092	-31.15	27.1	SO312	.03070	5.3234	0.6	A
9021	53897.86	38 12S	72 19W	127.3	188.3	2.881	-26.95	26.4	SO312	.03070	5.6287	1.0	V
9022	53902.06	38 29S	72 23W	127.4	188.3	2.881	-26.60	26.1	SO312	.03070	5.6205	0.8	V
9023	53906.06	38 44S	72 37W	131.1	188.4	2.881	-29.75	25.8	SO312	.03070	5.4637	0.8	V
9024	53910.26	39 21S	72 36W	129.3	188.4	2.881	-26.60	25.3	SO312	.03070	5.4719	0.8	F
9025	53916.66	39 45S	73 12W	140.7	188.4	2.530	-34.65	24.8	SO312	.03070	5.0180	1.4	F
9026	53933.86	41 10S	70 53W	128.0	188.6	2.181	19.60	24.3	SO312	.03070	5.5462	1.4	F
9027	53938.46	41 10S	70 53W	127.2	188.6	2.181	19.95	24.3	SO312	.04070	5.6122	1.4	V
9028	53943.26	41 10S	70 53W	129.5	188.7	2.181	20.30	24.3	SO312	.03070	5.4224	1.4	A
9029	53955.26	41 56S	71 33W	124.0	188.8	2.390	10.85	23.5	SO312	.04070	5.6700	1.0	A
9030	53962.06	42 54S	72 40W	121.5	188.8	2.738	-8.05	22.2	SO312	.04070	5.8268	1.0	F
9031	53969.46	42 36S	73 48W	137.2	188.9	2.881	-30.10	22.1	SO312	.03070	5.1583	0.6	A
9032	53999.46	45 33S	72 6W	130.9	189.2	2.181	17.50	20.1	SO312	.04070	5.4141	1.0	F
9033	54004.06	45 33S	72 3W	130.7	189.3	2.181	18.55	20.1	SO312	.04070	5.4554	0.8	V
9034	54013.66	45 52S	71 41W	141.4	189.4	1.690	26.60	19.9	SO312	.03070	4.9520	1.4	A
584 9001	58298.66	23 11N	82 21W	87.0	187.1	2.881	-29.40	72.5	SO312	.02200	8.2944	4.0	F
9002	58306.06	23 7N	82 27W	89.1	187.1	3.092	-31.85	72.4	SO312	.02200	8.1541	6.0	A
9003	58459.66	12 2N	83 40W	81.8	186.7	3.439	-1.75	69.8	SO312	.04070	8.8556	1.0	F
9004	58465.66	12 2N	83 46W	82.0	186.6	3.439	-4.55	69.8	SO312	.04070	8.7979	1.2	A
585 9001	63626.46	21 31N	104 53W	90.4	187.0	2.881	-33.25	72.3	SO312	.02200	7.9726	0.6	F
9002	63629.66	21 31N	104 53W	89.1	187.0	2.881	-32.90	72.3	SO312	.02200	8.2119	0.6	V
9003	63642.06	20 33N	104 2W	77.9	186.9	3.232	5.95	73.1	SO312	.03070	9.4086	0.4	V
9004	63644.86	20 33N	104 2W	79.0	186.9	3.232	6.30	73.1	SO312	.03070	9.1445	0.6	A
589 9001	84175.66	67 52N	175 51W	77.1	197.3	1.338	1.75	42.3	SO312	.03070	9.4168	0.6	A
9002	84244.26	63 4N	179 13E	82.4	194.5	1.338	-23.80	46.7	SO312	.03070	8.7896	0.6	F
9003	84250.26	63 4N	179 8E	82.8	194.3	1.484	-24.85	46.7	SO312	.03070	8.7649	0.4	A
590 9001	3042.86	70 40N	162 22E	88.4	199.7	0.787	-30.45	39.5	SO312	.02200	8.3109	0.4	V
9002	3046.06	70 39N	162 24E	88.9	199.5	0.995	-30.10	39.5	SO312	.02200	8.1706	0.4	A
9003	3384.66	47 10N	152 16E	82.0	189.6	2.390	22.40	61.1	SO312	.03070	8.8969	0.6	F

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
591	9001	8651.06	50 13N	129 31E	80.0	190.2	2.181	-23.80	58.2	SO312	.02200	9.0372	0.8	F
	9002	8653.86	50 13N	129 31E	78.9	190.2	2.181	-23.45	58.2	SO312	.03070	9.3013	0.8	V
	9003	8670.86	49 4N	131 5E	88.3	189.9	2.037	30.45	59.6	SO312	.02200	8.1871	1.4	A
	9004	8730.46	44 34N	129 35E	86.5	189.2	2.390	28.70	63.3	SO312	.02200	8.4265	1.0	F
	9005	8736.06	44 37N	129 41E	89.6	189.1	2.181	31.50	63.3	SO312	.03070	8.0799	0.6	A
	9006	8740.66	44 6N	129 20E	83.9	189.1	2.181	26.60	63.7	SO312	.03070	8.7649	0.4	V
	9007	8744.26	44 4N	129 22E	86.2	189.0	2.181	28.00	63.7	SO312	.03070	8.4017	0.8	A
	9008	8754.06	43 27N	128 25E	74.8	188.9	2.530	4.90	63.9	SO312	.03070	9.7057	0.4	A
	9009	8766.86	42 18N	126 53E	86.7	188.8	2.181	-33.25	64.3	SO312	.03070	8.3274	0.8	F
	9010	8769.86	42 14N	126 53E	85.5	188.8	2.390	-33.25	64.3	SO312	.03070	8.5833	0.8	V
	9011	8774.46	42 12N	126 56E	84.4	188.7	2.390	-30.80	64.4	SO312	.03070	8.6246	0.6	A
	9012	8779.86	41 48N	127 1E	80.8	188.7	2.530	-25.90	64.8	SO312	.03070	9.0042	0.6	A
	9013	8785.66	41 1N	126 38E	85.6	188.6	2.390	-31.85	65.2	SO312	.03070	8.4512	1.2	F
	9014	8789.06	40 47N	126 33E	85.8	188.6	2.390	-32.20	65.4	SO312	.03070	8.4265	0.6	F
	9015	8792.06	40 47N	126 33E	84.6	188.6	2.390	-31.85	65.4	SO312	.03070	8.6823	0.6	V
	9016	8799.46	40 23N	127 14E	74.2	188.5	2.738	-7.70	66.0	SO312	.03070	9.7965	0.4	A
	9017	8812.46	39 11N	126 2E	84.3	188.4	2.390	-35.35	66.4	SO312	.02200	8.1046	0.6	F
	9018	8816.26	38 55N	126 7E	85.9	188.4	2.390	-31.85	66.6	SO312	.02200	8.4182	0.8	F
	9019	8817.66	38 49N	126 6E	85.9	188.4	2.390	-31.85	66.7	SO312	.02200	8.4182	1.0	F
	9020	8820.46	38 37N	126 3E	85.9	188.3	2.390	-31.85	66.8	SO312	.02200	8.4182	0.8	F
	9021	8824.86	38 30N	126 12E	80.8	188.3	2.390	-26.25	67.0	SO312	.02200	9.0950	0.4	V
	9022	8831.26	38 1N	126 33E	74.6	188.2	2.738	-11.55	67.6	SO312	.03070	9.8543	0.6	V
	9023	8834.06	38 1N	126 32E	75.4	188.2	2.738	-11.20	67.6	SO312	.03070	9.6314	0.8	A
	9024	8836.06	37 53N	126 30E	75.6	188.2	2.738	-11.20	67.7	SO312	.02200	9.6149	0.6	A
	9025	9440.06	3 59S	119 39E	106.0	186.5	2.530	29.40	58.7	SO312	.02200	6.8667	0.6	V
	9026	9444.06	3 59S	119 39E	106.0	186.5	2.530	29.75	58.7	SO312	.02200	6.6108	0.6	A
	9027	9451.46	5 2S	119 33E	109.9	186.5	2.738	30.80	57.6	SO312	.01650	6.5778	0.6	F
	9028	9456.46	5 6S	119 26E	105.7	186.5	2.530	28.35	57.7	SO312	.02200	6.8832	1.0	V
	9029	9460.46	5 6S	119 26E	107.7	186.5	2.530	28.70	57.7	SO312	.02200	6.6273	1.0	A
592	5001	14384.66	20 59N	99 55E	101.4	187.3	2.530	-42.00	71.9	SO130	.01250	7.1231	0.8	F
	5002	14389.26	20 53N	100 8E	91.8	187.0	2.738	-35.35	72.1	SO130	.01660	7.9816	1.0	V
	5003	14393.06	20 51N	100 11E	91.0	186.9	3.092	-33.60	72.2	SO130	.01660	7.9981	0.8	A
	5004	14397.86	20 32N	100 4E	92.9	186.9	3.092	-35.35	72.1	SO130	.01660	7.8330	0.8	A
	5005	14401.66	20 15N	100 4E	91.6	186.9	3.092	-33.60	72.1	SO130	.01660	7.9485	0.8	A
	9001	13943.46	51 15N	109 34E	82.8	190.4	2.037	25.55	57.7	SO312	.02200	8.8721	0.4	V
	9002	13947.86	51 11N	109 13E	79.1	190.4	2.037	18.20	57.7	SO312	.03070	9.1610	0.4	A
	9003	13995.06	47 55N	106 46E	77.2	189.7	2.181	-21.35	60.1	SO312	.03070	9.5159	0.4	V
	9004	13997.86	47 56N	106 46E	78.0	189.7	2.390	-21.35	60.1	SO312	.02200	9.3261	0.4	A
	9005	14011.26	46 36N	108 20E	90.9	189.5	2.037	34.30	61.8	SO312	.02200	8.0881	0.6	V
	9006	14014.46	46 36N	108 20E	92.6	189.5	1.826	35.00	61.8	SO312	.02200	7.8240	0.6	A
	9007	14029.26	45 46N	106 14E	76.6	189.3	2.530	-18.55	61.9	SO312	.03070	9.4994	0.6	A
	9008	14098.46	40 60N	105 10E	74.7	188.6	2.738	-11.55	65.5	SO312	.03070	9.7222	0.4	A
	9009	14143.06	37 33N	104 25E	74.2	188.2	2.881	-8.40	67.9	SO312	.03070	9.7800	0.4	F
	9010	14148.66	37 11N	104 4E	76.5	188.2	2.738	-11.85	68.0	SO312	.02200	9.4746	0.6	F
	9011	14152.46	37 7N	104 2E	75.8	188.1	2.738	-11.85	68.1	SO312	.02200	9.6892	0.4	V
	9012	14158.06	36 34N	103 48E	81.4	188.1	2.530	-27.30	68.2	SO312	.03070	8.8804	0.4	F
	9013	14159.06	36 30N	103 37E	81.5	188.1	2.530	-27.30	68.3	SO312	.03070	8.8721	0.6	F
	9014	14165.06	36 3N	103 59E	74.8	188.1	2.738	-11.20	68.8	SO312	.03070	9.7057	1.8	F
	9015	14171.06	36 0N	103 59E	74.7	188.0	2.738	-10.15	68.8	SO312	.03070	9.7222	1.0	A
	9016	14179.46	35 21N	104 35E	78.6	188.0	2.530	17.50	69.7	SO312	.03070	9.2105	0.4	A
	9017	14308.46	26 11N	101 47E	77.2	187.3	3.092	-15.05	72.7	SO312	.03070	9.3838	0.4	F
	9018	14319.06	25 23N	102 13E	77.8	187.2	3.092	9.10	73.3	SO312	.03070	9.3508	0.4	F
	9019	14324.66	25 23N	102 14E	78.3	187.2	3.092	10.15	73.3	SO312	.03070	9.2353	0.4	A
	9020	14331.46	24 54N	102 33E	86.6	187.2	2.530	25.55	73.7	SO312	.03070	8.3357	0.4	A
	9021	14369.26	22 24N	100 56E	80.1	187.0	3.232	-18.20	72.8	SO312	.03070	9.0620	0.6	A
	9022	14465.86	15 16N	100 21E	82.9	186.7	3.232	10.85	71.7	SO312	.03070	8.7649	0.6	F
	9023	14468.66	15 14N	100 21E	82.2	186.7	3.232	11.20	71.7	SO312	.03070	8.9134	0.6	V
	9024	14486.86	13 44N	100 32E	94.0	186.7	2.881	27.30	71.4	SO312	.02200	7.7497	0.6	F
	9025	14490.26	13 44N	100 32E	93.4	186.7	2.881	27.65	71.4	SO312	.02200	7.8488	0.6	V
	9026	14493.66	13 44N	100 32E	95.0	186.7	2.530	28.35	71.4	SO312	.02200	7.5682	0.6	A
593	9001	19660.65	23 11N	79 59E	84.1	187.1	2.738	21.35	73.7	SO312	.03070	8.7153	0.8	V
	9002	19663.65	23 11N	79 59E	85.4	187.1	2.738	21.70	73.7	SO312	.03070	8.4347	1.0	A
	9003	19690.65	21 7N	79 34E	84.6	187.0	2.881	20.65	73.6	SO312	.03070	8.6741	0.4	V
	9004	19693.46	21 7N	79 34E	85.9	187.0	2.881	21.00	73.6	SO312	.03070	8.3935	0.4	A
	9005	19743.25	17 20N	78 30E	80.5	186.8	3.232	6.65	72.4	SO312	.03070	9.0207	0.4	F
	9006	19746.06	17 20N	78 30E	79.8	186.8	3.232	7.00	72.4	SO312	.03070	9.1858	0.6	V
	9007	19809.46	12 59N	77 41E	81.2	186.7	3.232	5.95	70.5	SO312	.03070	9.0124	0.8	V
	9008	19812.45	12 59N	77 41E	82.4	186.7	3.232	6.30	70.5	SO312	.03070	8.7565	0.8	A
	9009	19852.65	10 6N	76 18E	90.2	186.6	3.232	-27.65	68.1	SO312	.03070	8.0964	0.6	V
	9010	19856.05	10 6N	76 18E	91.2	186.6	3.439	-27.65	68.1	SO312	.02200	7.9313	0.6	A
594	5001	24631.45	46 6N	62 57E	75.3	189.4	2.530	7.00	61.9	SO130	.02210	9.6571	0.4	F
	5002	24634.05	46 6N	62 57E	74.6	189.4	2.530	7.35	61.9	SO130	.02210	9.8552	0.4	V
	5003	24636.85	46 6N	62 56E	75.6	189.3	2.530	7.70	61.9	SO130	.02210	9.5993	0.4	A
	9001	24458.05	58 11N	68 16E	83.3	192.3	1.690	23.80	51.5	SO312	.03070	8.6988	0.6	A
	9002	24549.45	51 33N	65 40E	87.9	190.5	2.037	29.75	57.5	SO312	.03070	8.2944	0.6	F
	9003	24552.65	51 32N	65 40E	87.2	190.5	2.037	30.10	57.5	SO312	.03070	8.4347	0.6	V
	9004	24557.05	51 27N	65 42E	89.8	190.4	1.826	31.85	57.6	SO312	.03070	8.0716	0.4	A
	9005	24560.05	51 2N	65 32E	88.3	190.4	2.037	31.15	58.0	SO312	.03070	8.3274	0.4	V
	9006	24563.45	51 1N	65 32E	89.9	190.3	1.826	31.85	58.0	SO312	.03070	8.0634	0.4	A
	9007	24631.45	46 6N	62 56E	75.4	189.4	2.530	7.00	61.9	SO312	.03070	9.6562	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUB ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
594 9008	24634.05	46 6N	62 56E	74.6	189.4	2.530	7.35	61.9	S0312	.03070	9.8543	0.4	V
9009	24636.85	46 6N	62 56E	75.6	189.3	2.530	7.70	61.9	S0312	.03070	9.5984	0.4	A
9010	24759.65	37 30N	60 29E	74.3	188.2	2.881	2.45	68.1	S0312	.03070	9.8955	0.4	V
9011	24764.25	37 22N	60 32E	75.9	188.2	2.881	6.30	68.3	S0312	.02200	9.5571	0.6	A
9012	24775.45	36 18N	59 35E	77.9	188.1	2.738	-19.60	68.5	S0312	.03070	9.3013	0.8	F
9013	24778.25	36 18N	59 35E	76.9	188.1	2.738	-19.25	68.5	S0312	.03070	9.5571	0.8	V
9014	25571.25	18 8S	49 26E	102.5	186.8	3.439	-16.10	45.4	S0312	.04070	7.0565	0.8	V
595 9001	29787.25	56 23N	43 53E	75.5	191.8	2.037	-10.50	53.0	S0130	.03080	9.5911	0.6	F
9002	29792.65	56 23N	43 52E	75.6	191.7	2.037	-10.15	53.0	S0130	.03080	9.6241	0.6	A
9003	29836.25	52 56N	43 32E	78.6	190.9	2.181	16.45	56.2	S0130	.01660	9.2692	3.6	F
9004	29845.25	52 42N	43 32E	80.3	190.7	2.037	19.60	56.4	S0130	.01660	9.0463	4.0	A
9005	29874.85	50 29N	42 43E	79.2	190.2	2.181	19.60	58.4	S0130	.01660	9.2857	3.6	V
9006	29880.85	50 17N	42 36E	79.8	190.2	2.181	18.90	58.5	S0130	.01660	9.0956	3.6	A
9001	29570.85	70 49N	53 45E	78.0	200.2	0.995	-9.10	39.5	S0312	.03070	9.2765	0.8	F
9002	29576.45	70 49N	53 45E	77.9	199.8	1.135	-8.75	39.5	S0312	.03070	9.3178	0.8	A
9003	29717.25	61 1N	46 54E	76.2	193.6	1.826	6.65	48.8	S0312	.04070	9.5324	0.8	F
9004	29722.65	61 2N	46 53E	76.2	193.4	1.690	7.00	48.8	S0312	.04070	9.5159	1.0	A
9005	29758.45	58 26N	45 33E	75.2	192.5	1.826	7.70	51.2	S0312	.04070	9.7800	0.6	V
9006	29761.25	58 26N	45 33E	76.1	192.4	1.826	7.70	51.2	S0312	.04070	9.5406	0.6	A
9007	29787.05	56 24N	43 53E	75.6	191.8	2.037	-10.50	53.0	S0312	.04070	9.5902	1.6	F
9008	29792.65	56 23N	43 52E	75.5	191.7	2.037	-10.15	53.0	S0312	.04070	9.6232	1.4	A
9009	29797.45	55 41N	43 37E	75.4	191.6	2.037	-9.80	53.6	S0312	.04070	9.6149	0.8	F
9010	29805.05	55 28N	42 19E	89.4	191.4	1.690	-35.70	53.6	S0312	.03070	8.2037	1.0	V
9011	29808.25	55 29N	42 20E	90.1	191.4	1.690	-35.35	53.6	S0312	.03070	8.0716	1.0	A
9012	29815.85	54 50N	43 3E	76.5	191.2	2.037	-14.70	54.3	S0312	.04070	9.5076	0.6	A
9013	29860.05	51 26N	41 58E	75.2	190.5	2.181	-10.85	57.3	S0312	.03070	9.6397	0.6	F
9014	29862.65	51 26N	41 57E	74.3	190.4	2.181	-10.85	57.3	S0312	.04070	9.8790	1.4	V
9015	29866.25	51 23N	41 56E	75.2	190.4	2.390	-10.85	57.3	S0312	.03070	9.6644	0.6	A
9016	29896.85	48 59N	40 18E	86.9	189.9	2.037	-32.90	59.1	S0312	.03070	8.3274	0.8	F
9017	29900.05	48 58N	40 18E	85.5	189.9	2.037	-32.55	59.1	S0312	.03070	8.5833	0.6	V
9018	29906.05	48 21N	40 13E	84.7	189.8	2.037	-30.45	59.7	S0312	.03070	8.5338	1.0	F
9019	29909.05	48 21N	40 12E	83.7	189.8	2.037	-30.45	59.7	S0312	.03070	8.7731	1.2	V
9020	29912.45	48 19N	40 12E	84.5	189.7	2.037	-30.10	59.7	S0312	.03070	8.6163	0.8	A
9021	29917.45	47 45N	40 18E	79.0	189.7	2.037	-23.45	60.3	S0312	.03070	9.3013	0.6	V
9022	29922.65	47 32N	40 35E	75.8	189.6	2.390	-13.65	60.5	S0312	.03070	9.5902	0.6	A
9023	29933.85	46 20N	41 32E	82.4	189.5	2.181	24.50	61.8	S0312	.03070	8.9217	0.8	V
9024	29936.85	46 27N	41 31E	83.4	189.4	2.181	24.50	61.8	S0312	.03070	8.6823	1.0	A
9025	29943.05	45 41N	40 47E	75.9	189.3	2.390	9.45	62.3	S0312	.03070	9.5819	0.6	F
9026	29945.65	45 42N	40 47E	75.0	189.3	2.390	9.45	62.2	S0312	.03070	9.7882	0.6	V
9027	29952.85	44 57N	40 59E	81.4	189.2	2.390	21.70	63.0	S0312	.03070	8.9382	1.0	F
9028	29955.85	44 57N	40 59E	80.7	189.2	2.390	22.05	63.0	S0312	.03070	9.0950	0.8	V
9029	29962.85	44 32N	40 15E	73.6	189.1	2.530	3.15	63.1	S0312	.03070	9.9780	0.4	V
9030	29965.65	44 32N	40 14E	74.6	189.1	2.530	3.50	63.1	S0312	.03070	9.7222	0.4	A
9031	29979.45	43 7N	40 35E	84.2	189.0	2.390	25.20	64.5	S0312	.01650	8.6576	0.6	F
9032	29982.25	43 8N	40 35E	83.5	188.9	2.390	25.55	64.5	S0312	.01650	8.7979	0.8	V
9033	30083.05	36 8N	37 58E	74.8	188.1	2.881	-1.05	68.9	S0312	.02200	9.7057	1.0	F
9034	30088.45	36 8N	37 57E	74.9	188.0	2.881	-0.35	69.0	S0312	.02200	9.6727	1.0	A
9035	30098.25	35 9N	36 57E	83.4	188.0	2.530	-28.35	69.0	S0312	.03070	8.6576	0.6	F
9036	30101.25	35 9N	36 56E	82.3	187.9	2.738	-28.35	69.0	S0312	.03070	8.9134	0.6	V
9037	30107.85	34 39N	37 15E	75.8	187.9	2.881	-14.35	69.6	S0312	.03070	9.6809	0.6	V
9038	30114.25	34 3N	36 43E	82.6	187.9	2.738	-28.00	69.6	S0312	.03070	8.7484	0.4	F
9039	30117.05	34 3N	36 43E	81.5	187.8	2.738	-27.65	69.6	S0312	.03070	9.0042	0.6	V
9040	30121.65	33 33N	36 25E	87.5	187.8	2.530	-33.25	69.8	S0312	.01650	8.2367	1.0	F
9041	30125.65	33 29N	36 28E	84.9	187.8	2.738	-31.50	69.8	S0312	.01650	8.6411	0.6	V
9042	30130.05	32 58N	36 15E	89.1	187.8	2.530	-34.65	70.0	S0312	.02200	8.0881	0.6	F
9043	30133.25	32 58N	36 15E	87.8	187.7	2.530	-34.30	70.0	S0312	.03070	8.3440	0.6	V
9044	30134.65	32 52N	36 14E	87.8	187.7	2.530	-34.30	70.1	S0312	.03070	8.3357	0.6	V
9045	30138.45	32 23N	36 16E	85.4	187.7	2.738	-30.80	70.4	S0312	.01650	8.4512	1.0	F
9046	30141.45	32 23N	36 16E	84.2	187.7	2.738	-30.45	70.4	S0312	.01650	8.7071	1.0	V
9047	30147.45	31 60N	35 60E	89.3	187.7	2.530	-35.70	70.4	S0312	.01650	8.2037	0.8	V
9048	30150.65	32 0N	35 60E	89.8	187.6	2.738	-35.35	70.4	S0312	.01650	8.0964	1.0	A
9049	30585.25	1 43N	31 44E	90.9	186.5	3.092	15.05	63.1	S0312	.03070	8.0138	0.8	V
9050	30588.65	1 43N	31 44E	92.3	186.5	3.092	15.40	63.1	S0312	.03070	7.7497	0.6	A
9051	30602.05	0 35N	31 23E	88.3	186.5	3.232	9.45	62.0	S0312	.03070	8.2532	1.0	V
9052	30605.25	0 36N	31 23E	89.7	186.5	3.232	9.80	62.1	S0312	.03070	7.9973	1.0	A
9053	30728.25	7 54S	28 33E	110.4	186.6	3.232	-36.40	54.1	S0312	.02200	6.5613	1.0	V
9054	30732.25	7 54S	28 32E	111.8	186.6	3.439	-36.40	54.1	S0312	.02200	6.4375	1.0	A
9055	30791.65	12 32S	28 16E	100.3	186.7	3.439	-20.30	50.3	S0312	.03070	7.1390	0.8	F
9056	30795.25	12 33S	28 16E	99.1	186.7	3.439	-19.95	50.3	S0312	.03070	7.3123	0.8	V
9057	30836.85	15 29S	28 36E	99.7	186.7	3.092	9.80	48.2	S0312	.03070	7.2628	1.0	V
9058	30840.65	15 29S	28 37E	101.4	186.8	3.092	10.50	48.2	S0312	.03070	7.0152	1.0	A
9059	30980.65	25 44S	28 1E	142.3	187.2	2.037	39.20	39.2	S0312	.02200	5.8345	0.8	F
9060	30985.85	25 44S	28 1E	142.3	187.2	1.826	39.90	39.2	S0312	.02200	5.8675	0.8	V
9061	30996.05	26 23S	27 26E	127.1	187.2	2.181	31.15	38.4	S0312	.03070	5.6700	0.4	V
9062	31000.85	26 23S	27 26E	129.6	187.3	2.181	31.50	38.4	S0312	.03070	5.4472	0.4	A
9063	31038.05	29 7S	25 60E	110.3	187.4	2.881	9.10	35.5	S0312	.03070	6.5200	0.8	V
9064	31042.25	29 8S	25 60E	112.2	187.5	2.881	9.45	35.5	S0312	.03070	6.3055	0.8	A
596 9001	35123.65	54 27N	20 54E	75.0	191.2	2.037	-12.60	54.7	S0312	.04070	9.7882	0.4	V
9002	35126.45	54 27N	20 54E	75.8	191.1	2.037	-12.25	54.7	S0312	.04070	9.5819	0.4	A
9003	35162.45	51 51N	19 34E	78.3	190.5	2.037	-22.05	56.9	S0312	.03070	9.3756	0.4	V
9004	35166.65	51 35N	19 11E	82.6	190.5	2.037	-29.05	57.0	S0312	.03070	8.8804	0.8	V
9005	35169.65	51 36N	19 11E	83.3	190.4	2.037	-28.70	57.0	S0312	.03070	8.7236	0.8	A
9006	35177.05	50 41N	18 42E	87.3	190.3	1.826	-33.25	57.7	S0312	.03070	8.2697	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
596 9007	35180.25	50 41N	18 42E	85.9	190.2	1.826	-32.90	57.7	SO312	.03070	8.5255	0.6	V
9008	35184.45	50 23N	18 37E	85.8	190.2	2.037	-32.90	58.0	SO312	.03070	8.5585	0.8	V
9009	35187.45	50 24N	18 38E	86.5	190.1	2.037	-32.55	58.0	SO312	.03070	8.4100	1.0	A
9010	35442.45	32 24N	15 6E	75.9	187.7	3.092	2.45	71.0	SO312	.03070	9.5737	0.4	F
9011	35445.05	32 24N	15 6E	75.1	187.7	2.881	2.80	71.0	SO312	.03070	9.7800	0.4	V
9012	35455.65	31 46N	14 2E	84.6	187.6	2.738	-30.45	70.7	SO312	.03070	8.6658	0.6	V
9013	35458.85	31 46N	14 2E	85.4	187.6	2.738	-30.10	70.7	SO312	.03070	8.5090	0.4	A
597 9001	40496.25	49 40N	1 38W	81.6	190.1	2.037	23.45	59.1	SO312	.04070	9.0042	0.4	V
9002	40499.25	49 40N	1 38W	82.8	190.0	2.037	23.80	59.1	SO312	.04070	8.7401	0.4	A
9003	40514.25	48 49N	3 31W	78.9	189.8	2.390	-22.05	59.4	SO312	.03070	9.2023	0.6	A
9004	40699.25	35 48N	5 49W	79.1	188.0	2.738	17.50	69.5	SO312	.03070	9.2765	0.6	V
9005	40702.25	35 48N	5 49W	80.2	188.0	2.530	17.85	69.5	SO312	.03070	9.0207	0.6	A
9006	40723.25	34 3N	6 49W	75.2	187.9	2.881	-4.55	70.1	SO312	.03070	9.6397	0.8	F
9007	40726.05	34 2N	6 49W	74.4	187.8	2.881	-4.20	70.1	SO312	.03070	9.8543	0.4	V
9008	40728.65	34 3N	6 49W	75.3	187.8	2.881	-3.85	70.1	SO312	.03070	9.6232	0.8	A
598 9001	46601.65	5 22S	35 32W	100.9	186.5	2.738	23.45	57.3	SO312	.02200	7.1966	0.6	V
9002	46608.85	5 54S	35 9W	116.3	186.5	2.181	36.05	57.1	SO312	.02200	6.2559	0.4	V
9003	46613.25	5 55S	35 9W	118.7	186.5	2.181	36.40	57.1	SO312	.02200	6.0084	0.4	A
9004	46625.25	7 13S	35 53W	101.6	186.6	2.881	21.70	55.7	SO312	.03070	7.1143	1.4	F
9005	46640.05	8 4S	37 37W	105.7	186.6	3.439	-32.55	54.0	SO312	.02200	6.7181	0.8	F
9006	46646.25	8 1S	37 19W	98.8	186.6	3.587	-22.75	54.3	SO312	.03070	7.2628	1.4	A
9007	46656.45	8 50S	36 27W	97.5	186.6	3.092	13.30	54.1	SO312	.03070	7.3288	1.4	A
9008	46665.45	9 28S	35 48W	119.6	186.6	2.181	35.35	54.0	SO312	.02200	5.9341	1.2	A
9009	46677.45	10 15S	36 51W	96.8	186.6	3.092	8.05	52.8	SO312	.03070	7.3701	0.6	A
9010	46746.65	14 40S	39 1W	116.1	186.7	3.439	-35.00	48.0	SO312	.02200	6.1817	1.4	A
9011	46787.65	17 37S	39 15W	109.5	186.8	3.587	-26.60	45.6	SO312	.03070	6.5365	1.4	A
599 9001	51872.25	3 19S	57 42W	91.5	186.5	3.439	7.70	58.8	SO312	.03070	7.8818	1.4	F
9002	52063.85	16 20S	60 57W	105.2	186.8	3.439	-23.45	46.8	SO312	.03070	6.8005	1.4	F
9003	52290.85	31 25S	64 15W	119.3	187.6	3.092	-25.90	32.7	SO312	.03070	6.0331	0.6	V
9004	52295.25	31 25S	64 15W	120.8	187.7	3.092	-25.55	32.7	SO312	.03070	5.8928	0.8	A
9005	52300.45	32 3S	64 35W	123.7	187.7	3.092	-29.75	32.1	SO312	.03070	5.8185	1.0	V
9006	52306.25	32 9S	64 29W	122.6	187.7	3.232	-26.95	32.0	SO312	.03070	5.7938	1.4	A
9007	52318.05	33 4S	63 47W	112.8	187.8	3.092	-4.90	31.5	SO312	.03070	6.2807	0.8	A
9008	52369.45	36 33S	64 16W	116.3	188.1	2.738	3.15	28.3	SO312	.03070	6.0744	1.4	A
9009	52410.85	39 14S	65 36W	119.6	188.4	2.881	-12.25	25.5	SO312	.04070	5.9093	1.0	A
9010	52434.85	41 32S	65 20W	120.4	188.6	2.530	5.95	23.6	SO312	.04070	5.8928	1.4	F
9011	52444.05	41 33S	65 20W	121.5	188.7	2.530	7.00	23.6	SO312	.04070	5.7938	1.0	A
9012	52499.85	45 46S	67 26W	124.7	189.3	2.530	-12.25	19.2	SO312	.04070	5.6700	0.4	F
9013	52501.05	45 51S	67 27W	124.8	189.3	2.530	-12.25	19.1	SO312	.04070	5.6700	0.4	F
9014	52508.85	45 45S	67 27W	125.3	189.4	2.738	-12.25	19.2	SO312	.04070	5.6267	1.2	A
9015	52519.25	46 24S	68 0W	129.0	189.5	2.738	-18.55	18.5	SO312	.04070	5.4637	1.0	A
9016	52599.85	52 12S	68 42W	127.5	190.6	2.037	3.85	13.3	SO312	.05390	5.5875	0.8	V
9017	52613.25	52 43S	69 19W	129.2	190.8	2.181	-2.80	12.6	SO312	.05390	5.4306	1.0	A
600 9001	56820.25	21 7N	75 40W	78.2	187.0	3.232	-0.70	73.1	SO312	.02200	9.2663	7.6	F
9002	56832.25	20 18N	75 47W	78.6	186.9	3.232	0.70	73.0	SO312	.02200	9.2353	4.6	F
9003	56840.65	20 6N	75 49W	79.0	186.9	3.232	2.10	73.0	SO312	.02200	9.1445	2.4	A
9004	57120.45	0 27N	79 19W	87.8	186.5	3.439	1.40	61.8	SO312	.03070	8.2284	0.6	F
9005	57130.05	0 6S	78 28W	107.1	186.5	2.530	33.95	62.0	SO312	.02200	6.8172	1.6	V
9006	57134.05	0 6S	78 28W	109.1	186.5	2.181	34.65	62.0	SO312	.02200	6.5531	1.4	A
9007	57158.05	2 7S	79 52W	89.1	186.5	3.587	-3.15	59.6	SO312	.03070	8.0964	1.2	F
9008	57165.65	2 13S	79 40W	90.9	186.5	3.439	6.30	59.7	SO312	.03070	7.8900	1.4	A
9009	57179.85	3 35S	80 28W	92.2	186.5	3.587	-16.10	58.2	SO312	.03070	7.7993	0.6	F
9010	57186.05	3 33S	80 26W	91.9	186.5	3.587	-14.00	58.2	SO312	.03070	7.8158	0.6	A
9011	57194.05	4 31S	81 14W	106.6	186.5	3.232	-34.65	57.0	SO312	.02200	6.7099	1.2	F
9012	57197.85	4 31S	81 12W	104.2	186.5	3.439	-33.60	57.0	SO312	.02200	6.9822	0.8	V
9013	57199.25	4 37S	81 13W	104.3	186.5	3.439	-33.60	56.9	SO312	.02200	6.9740	0.4	V
9014	57206.25	5 11S	80 37W	90.7	186.5	3.587	-10.15	56.9	SO312	.02200	8.0138	0.8	V
9015	57209.45	5 10S	80 37W	92.0	186.5	3.587	-10.15	56.9	SO312	.02200	7.7993	1.0	A
601 9001	62140.65	20 8N	98 44W	86.5	186.9	3.092	-30.80	72.2	SO312	.03070	8.4678	0.4	V
9002	62143.85	20 8N	98 44W	87.1	186.9	3.092	-30.10	72.2	SO312	.03070	8.3357	0.4	A
9003	62159.45	18 50N	98 56W	86.3	186.9	3.092	-29.05	71.9	SO312	.03070	8.4843	0.6	V
9004	62162.65	18 50N	98 56W	87.0	186.9	3.092	-28.35	72.0	SO312	.03070	8.3440	0.4	A
602 9001	67154.65	39 38N	115 60W	73.6	188.5	2.738	-5.95	66.7	SO312	.02200	9.8708	0.6	F
9002	67159.85	39 38N	115 60W	73.6	188.4	2.738	-5.25	66.7	SO312	.02200	9.8625	0.8	A
606 5001	1727.85	57 24N	161 44E	75.1	192.2	2.037	2.45	52.3	SO130	.02210	9.6571	0.8	F
5002	1733.25	57 24N	161 44E	75.3	192.0	2.037	3.15	52.3	SO130	.02210	9.6489	0.8	A
5003	1738.45	56 52N	161 25E	74.0	191.9	2.037	1.05	52.7	SO130	.02210	9.9212	0.8	V
5004	1744.25	56 20N	160 52E	75.1	191.8	2.037	-7.35	53.2	SO130	.01660	9.6571	0.6	F
5005	1747.05	56 19N	160 51E	74.2	191.7	2.037	-7.00	53.2	SO130	.01660	9.9047	0.4	V
5006	1750.65	56 16N	160 47E	75.1	191.7	2.037	-8.05	53.2	SO130	.01660	9.6984	0.4	A
9001	1577.05	68 4N	166 33E	86.2	197.3	1.135	-28.00	42.2	SO312	.03070	8.4347	0.8	A
9002	1719.45	57 57N	162 3E	75.5	192.4	2.037	3.85	51.8	SO312	.03070	9.6149	0.4	F
9003	1722.05	57 57N	162 3E	74.6	192.3	1.826	4.20	51.8	SO312	.03070	9.8460	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
606 9004	1727.85	57 23N	161 44E	75.2	192.2	2.037	2.45	52.3	SO312	.04070	9.6562	1.6	F
9005	1733.25	57 23N	161 44E	75.3	192.0	2.037	3.15	52.3	SO312	.04070	9.6479	1.6	A
9006	1738.45	56 52N	161 25E	74.0	191.9	2.037	1.05	52.8	SO312	.04070	9.9203	0.8	V
9007	1744.25	56 19N	160 51E	75.1	191.8	2.037	-7.35	53.2	SO312	.03070	9.6562	0.6	F
9008	1746.85	56 20N	160 52E	74.2	191.7	2.037	-7.00	53.2	SO312	.03070	9.9038	0.6	V
9009	1750.45	56 16N	160 47E	75.0	191.7	2.037	-8.05	53.2	SO312	.03070	9.6974	0.4	A
9010	1760.85	55 27N	161 44E	83.1	191.5	1.826	23.80	54.2	SO312	.02200	8.7236	0.6	A
9011	1793.05	53 5N	158 43E	83.2	190.9	1.826	-28.00	55.9	SO312	.04070	8.6906	1.4	F
9012	1796.45	53 3N	158 43E	82.0	190.8	1.826	-27.65	55.9	SO312	.04070	8.9464	1.8	V
9013	1800.45	52 59N	158 41E	82.9	190.7	2.037	-27.65	56.0	SO312	.04070	8.7896	0.8	A
607 5001	7138.05	50 34N	137 4E	75.5	190.3	2.390	7.70	58.3	SO130	.02210	9.6406	0.4	F
5002	7143.45	50 34N	137 4E	75.8	190.2	2.390	8.40	58.3	SO130	.02210	9.5911	0.6	A
9001	7170.05	48 29N	135 7E	82.5	189.8	2.037	-27.65	59.7	SO312	.04070	8.7814	1.6	F
9002	7173.65	48 26N	135 6E	81.3	189.8	2.037	-27.30	59.8	SO312	.04070	9.0372	1.2	V
9003	7176.85	48 13N	135 3E	81.0	189.7	2.037	-26.95	60.0	SO312	.03070	9.0702	0.4	V
9004	7179.85	48 13N	135 4E	81.5	189.7	2.390	-26.60	60.0	SO312	.03070	8.9299	0.4	A
9005	7236.85	44 7N	133 53E	81.1	189.0	2.390	-27.65	63.2	SO312	.02200	9.0537	0.8	V
9006	7239.85	44 7N	133 53E	81.9	189.0	2.390	-27.30	63.2	SO312	.02200	8.8887	0.8	A
9007	7252.05	43 7N	133 12E	90.3	188.9	2.181	-37.45	63.6	SO312	.02200	8.1129	0.8	V
9008	7255.25	43 7N	133 12E	91.1	188.9	2.390	-37.45	63.8	SO312	.02200	7.9891	0.8	A
9009	7258.65	42 54N	133 5E	92.7	188.8	2.181	-38.50	63.9	SO312	.02200	7.8488	0.4	A
623 9001	5661.24	49 18N	142 52E	75.3	190.0	2.390	7.00	59.6	SO312	.03070	9.6562	0.6	F
9002	5667.64	49 13N	143 4E	77.6	189.9	2.181	14.35	59.7	SO312	.02200	9.3508	0.4	A
9003	5684.24	47 46N	142 4E	74.2	189.7	2.530	-2.10	60.8	SO312	.03070	9.7882	0.4	F
9004	5692.44	47 17N	142 47E	81.8	189.6	2.181	23.80	61.4	SO312	.02200	8.9959	0.8	V
9005	5695.44	47 17N	142 47E	83.0	189.6	2.181	24.15	61.4	SO312	.02200	8.7318	0.8	A
9006	5701.04	46 40N	142 52E	87.3	189.5	2.037	30.45	62.0	SO312	.03070	8.4182	0.4	V
9007	5704.24	46 40N	142 52E	88.7	189.5	2.037	30.80	62.0	SO312	.03070	8.1541	0.4	A
624 9001	11047.24	44 1N	119 8E	74.8	189.1	2.530	8.05	63.9	SO312	.03070	9.7387	0.4	F
9002	11054.44	43 46N	118 34E	73.3	189.0	2.530	-8.05	63.9	SO312	.03070	10.0193	0.8	V
9003	11059.84	43 33N	118 41E	74.0	188.9	2.738	-2.10	64.1	SO312	.03070	9.8130	0.6	A
9004	11067.84	42 57N	119 3E	78.0	188.9	2.530	15.75	64.8	SO312	.03070	9.2931	0.4	A
9005	11073.44	42 11N	118 51E	77.8	188.8	2.530	15.40	65.4	SO312	.02200	9.3673	0.8	F
9006	11076.24	42 11N	118 51E	77.1	188.8	2.530	15.75	65.4	SO312	.02200	9.5406	0.8	V
9007	11081.44	42 2N	118 43E	76.6	188.7	2.530	12.95	65.4	SO312	.03070	9.4664	0.6	A
9008	11092.64	40 56N	118 5E	73.9	188.6	2.738	0.70	66.1	SO312	.03070	9.8295	0.4	F
9009	11096.64	41 2N	117 56E	74.3	188.6	2.738	-4.55	66.0	SO312	.03070	9.7800	1.0	A
9010	11104.04	40 13N	117 10E	79.9	188.5	2.530	-23.80	66.3	SO312	.02200	9.0537	0.4	F
9011	11108.44	40 8N	116 56E	82.9	188.5	2.530	-29.75	66.2	SO312	.03070	8.8474	0.8	V
9012	11111.44	40 8N	116 56E	83.6	188.5	2.530	-29.40	66.2	SO312	.03070	8.6906	0.8	A
9013	11118.44	39 24N	117 6E	77.0	188.4	2.738	-19.60	66.9	SO312	.02200	9.5406	0.8	V
9014	11122.64	39 7N	117 1E	77.1	188.4	2.738	-19.95	67.1	SO312	.02200	9.5241	0.6	V
625 9001	16173.84	56 19N	101 42E	78.5	191.8	2.037	15.75	53.6	SO312	.03070	9.2600	0.6	F
9002	16176.04	56 10N	101 38E	78.5	191.8	2.037	15.75	53.7	SO312	.03070	9.2600	0.4	F
9003	16182.04	56 13N	100 55E	74.6	191.7	2.037	-1.75	53.5	SO312	.03070	9.7387	0.4	A
9004	16384.44	42 30N	95 37E	78.9	188.8	2.530	-23.45	64.7	SO312	.03070	9.2105	0.4	A
9005	16398.04	41 34N	95 19E	79.9	188.7	2.530	-25.55	65.3	SO312	.03070	9.1032	0.4	A
9006	16573.44	29 6N	92 50E	75.8	187.5	3.092	-14.70	72.2	SO312	.02200	9.5654	0.6	F
9007	16578.84	29 5N	92 57E	74.7	187.4	3.092	-9.10	72.3	SO312	.02200	9.7222	0.4	A
9008	16670.84	22 21N	91 49E	77.7	187.0	3.232	-1.05	73.3	SO312	.04070	9.3426	0.6	F
9009	16673.44	22 21N	91 49E	76.9	187.0	3.232	-0.70	73.3	SO312	.04070	9.5324	1.0	V
9010	16676.64	22 20N	91 48E	77.9	187.0	3.232	-0.70	73.3	SO312	.04070	9.2848	1.2	A
626 5001	21834.84	32 4N	72 41E	91.7	187.7	2.530	31.85	72.0	SO130	.01250	7.9733	0.6	F
5002	21841.44	32 4N	72 41E	92.8	187.7	2.181	32.90	72.1	SO130	.01250	7.8082	0.4	A
9001	21288.24	69 23N	88 14E	78.1	198.8	1.338	10.85	41.3	SO312	.04070	9.4003	0.6	V
9002	21291.24	69 23N	88 14E	79.1	198.6	1.338	11.20	41.3	SO312	.04070	9.1693	0.6	A
9003	21624.04	46 45N	74 33E	81.7	189.5	2.181	-26.95	61.4	SO312	.03070	8.8474	0.6	F
9004	21627.04	46 45N	74 33E	80.6	189.5	2.181	-26.60	61.4	SO312	.03070	9.1115	0.6	V
9005	21628.64	46 38N	74 32E	80.6	189.5	2.181	-26.60	61.5	SO312	.03070	9.1115	0.8	V
9006	21631.64	46 38N	74 31E	81.4	189.4	2.390	-26.60	61.5	SO312	.02200	8.9464	0.8	A
9007	21672.04	43 20N	74 57E	77.5	189.0	2.530	15.40	64.5	SO312	.02200	9.4003	0.4	F
9008	21674.84	43 20N	74 57E	76.8	188.9	2.530	15.75	64.5	SO312	.02200	9.5819	0.4	V
9009	21678.44	42 53N	74 52E	78.2	188.9	2.530	16.45	64.9	SO312	.02200	9.3178	0.8	F
9010	21681.24	42 53N	74 52E	77.5	188.9	2.530	16.80	64.9	SO312	.02200	9.4911	0.8	V
9011	21691.44	42 29N	73 44E	74.4	188.8	2.738	-16.80	64.8	SO312	.03070	9.7717	0.4	A
9012	21700.84	41 44N	74 30E	76.5	188.7	2.530	16.45	65.7	SO312	.03070	9.4829	0.4	A
9013	21790.64	35 20N	71 33E	84.7	188.0	2.530	-31.50	69.2	SO312	.03070	8.5255	0.8	F
9014	21792.04	35 14N	71 31E	84.9	188.0	2.530	-31.50	69.2	SO312	.03070	8.5008	0.8	F
9015	21799.04	34 44N	71 47E	77.9	187.9	2.738	-19.60	69.7	SO312	.03070	9.3013	0.8	F
9016	21814.24	33 39N	73 24E	102.0	187.8	2.037	40.60	71.5	SO312	.01650	7.1968	1.0	V
9017	21818.04	33 39N	73 23E	103.5	187.8	1.826	40.95	71.5	SO312	.01650	6.9822	1.0	A
9018	21834.84	32 4N	72 40E	91.7	187.7	2.530	31.85	72.0	SO312	.02200	7.9726	0.4	F
9019	21841.44	32 4N	72 40E	92.7	187.7	2.181	32.90	72.1	SO312	.02200	7.8075	0.4	A
627 9001	26754.24	58 33N	58 46E	81.0	192.6	1.826	20.30	51.6	SO312	.03070	8.9712	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
627 9002	26760.24	58 23N	58 18E	76.7	192.5	1.826	12.60	51.7	SO312	.04070	9.5737	1.0	V
9003	26810.24	54 54N	56 7E	74.6	191.4	2.181	-3.15	54.7	SO312	.04070	9.7305	1.0	F
9004	26814.04	54 49N	56 8E	73.8	191.3	2.181	-1.40	54.8	SO312	.04070	9.9615	0.4	V
9005	26816.64	54 49N	56 8E	74.7	191.3	2.181	-1.05	54.8	SO312	.04070	9.7222	0.6	A
9006	26830.84	53 26N	56 2E	76.4	191.0	2.181	10.50	56.1	SO312	.03070	9.5241	0.4	F
9007	26835.84	53 7N	55 50E	75.7	190.9	2.181	8.40	56.4	SO312	.03070	9.6067	0.8	F
9008	26838.64	53 6S	55 50E	75.0	190.9	2.181	8.75	56.4	SO312	.04070	9.8130	0.8	V
9009	26842.84	52 48S	55 48E	75.5	190.8	2.181	10.85	56.7	SO312	.04070	9.7387	0.6	V
9010	26845.64	52 48S	55 48E	76.5	190.7	2.181	11.20	56.7	SO312	.03070	9.4829	0.6	A
9011	26857.64	51 50N	55 9E	73.9	190.5	2.181	3.15	57.4	SO312	.04070	9.9533	0.6	V
9012	26860.44	51 50N	55 9E	74.8	190.5	2.181	3.50	57.5	SO312	.03070	9.7057	0.6	A
9013	26865.04	51 21N	54 44E	73.6	190.4	2.181	-3.85	57.8	SO312	.04070	9.9863	0.6	V
9014	26867.84	51 21N	54 43E	74.5	190.4	2.390	-3.85	57.8	SO312	.03070	9.7552	0.6	A
9015	26906.84	48 18S	53 54E	74.5	189.8	2.390	1.75	60.4	SO312	.03070	9.7552	0.6	F
9016	26909.44	48 18S	53 54E	73.7	189.8	2.390	2.10	60.4	SO312	.03070	9.9780	0.6	V
9017	26914.04	47 59N	53 49E	73.7	189.7	2.390	2.45	60.7	SO312	.03070	9.9698	1.0	V
9018	26916.64	47 49N	53 45E	73.0	189.7	2.390	2.45	60.8	SO312	.03070	10.0606	0.4	V
9019	26919.24	47 49N	53 46E	74.0	189.7	2.390	2.80	60.8	SO312	.03070	9.8130	0.6	A
9020	26982.84	43 38N	51 18E	87.5	188.9	2.390	-33.95	63.7	SO312	.03070	8.3109	0.8	A
9021	27022.84	40 25N	52 44E	92.5	188.6	2.181	34.65	67.0	SO312	.01650	7.9561	0.6	V
9022	27026.24	40 25N	52 44E	94.1	188.5	2.181	35.00	67.0	SO312	.01650	7.6920	0.6	A
9023	27157.84	31 22N	48 37E	84.1	187.6	2.738	-29.75	71.1	SO312	.03070	8.7236	0.6	V
9024	27160.84	31 22N	48 37E	84.9	187.6	2.738	-29.40	71.1	SO312	.03070	8.5668	0.6	A
9025	27172.04	30 11N	48 25E	84.5	187.5	2.738	-28.70	71.5	SO312	.03070	8.5585	0.6	F
9026	27175.04	30 11N	48 25E	83.3	187.5	2.738	-28.35	71.6	SO312	.03070	8.8061	0.6	V
9027	27177.84	29 59N	48 23E	83.1	187.5	2.738	-28.00	71.6	SO312	.03070	8.8226	0.4	V
9028	27180.84	29 59N	48 24E	83.7	187.5	2.738	-27.30	71.6	SO312	.03070	8.6823	0.6	A
9029	27188.24	29 4N	48 10E	85.3	187.4	2.738	-29.40	71.9	SO312	.03070	8.4760	0.6	F
9030	27194.24	29 4N	48 10E	84.8	187.4	2.881	-28.70	71.9	SO312	.03070	8.5585	0.6	A
9031	27220.84	27 5N	49 24E	91.9	187.3	2.390	30.80	73.7	SO312	.02200	7.8323	0.8	A
9032	27460.84	10 28N	45 1E	83.8	186.6	3.439	-16.80	68.4	SO312	.04070	8.7236	1.0	V
9033	27464.04	10 28N	45 1E	84.8	186.6	3.439	-16.45	68.4	SO312	.03070	8.5255	0.8	A
9034	27472.24	9 42N	44 42E	86.6	186.6	3.439	-23.45	67.8	SO312	.03070	8.4430	0.6	V
9035	27475.44	9 42N	44 43E	87.4	186.6	3.439	-22.75	67.8	SO312	.03070	8.2862	0.6	A
628 5001	32084.04	56 45N	37 7E	105.8	192.1	1.690	42.70	53.4	SO130	.01660	6.9003	0.6	F
5002	32090.64	56 54N	35 57E	82.8	191.9	1.826	23.10	53.1	SO130	.02210	8.7822	0.4	A
5003	32099.24	56 3N	36 9E	91.3	191.7	1.690	33.95	54.0	SO130	.01660	8.0558	0.6	V
5004	32174.64	50 60N	31 50E	79.2	190.4	2.181	-22.40	57.9	SO130	.01660	9.1454	3.6	F
5005	32183.44	50 45N	31 58E	76.7	190.2	2.390	-16.45	58.2	SO130	.01660	9.5003	3.6	A
9001	31939.24	67 8N	41 14E	76.5	196.8	1.484	1.05	43.5	SO312	.04070	9.4829	0.4	A
9002	32114.24	55 7N	33 15E	80.3	191.4	1.826	-23.45	54.4	SO312	.03070	9.0124	0.4	F
9003	32117.24	55 6N	33 15E	79.3	191.4	2.037	-23.45	54.4	SO312	.03070	9.2683	0.4	V
9004	32127.44	54 15N	34 23E	76.7	191.2	2.037	14.00	55.4	SO312	.04070	9.5819	0.6	V
9005	32130.24	54 15N	34 22E	77.6	191.1	2.037	14.00	55.4	SO312	.03070	9.3426	0.6	A
9006	32134.84	53 35N	33 59E	76.2	191.0	2.037	10.50	56.0	SO312	.03070	9.5406	0.4	F
9007	32137.44	53 35N	33 59E	75.5	191.0	2.037	10.85	56.0	SO312	.04070	9.7305	0.4	V
9008	32138.84	53 29N	33 57E	75.6	191.0	2.037	10.85	56.1	SO312	.04070	9.7222	0.4	V
9009	32141.64	53 29N	33 57E	76.6	190.9	2.037	11.20	56.1	SO312	.03070	9.4581	0.4	A
9010	32148.04	52 53N	33 30E	74.1	190.8	2.181	4.90	56.6	SO312	.04070	9.9203	0.6	V
9011	32150.84	52 53N	33 29E	75.0	190.7	2.181	4.90	56.6	SO312	.03070	9.6809	0.6	A
9012	32161.64	51 55N	33 29E	76.7	190.6	2.181	14.35	57.5	SO312	.03070	9.5902	1.0	V
9013	32172.64	51 8N	31 53E	79.3	190.4	2.181	-22.40	57.8	SO312	.03070	9.1362	1.0	F
9014	32191.04	50 4N	31 27E	79.3	190.1	2.181	-24.15	58.7	SO312	.03070	9.2518	0.4	V
9015	32193.84	50 5N	31 27E	80.1	190.1	2.181	-23.80	58.7	SO312	.03070	9.0785	0.6	A
9016	32203.44	49 25N	31 16E	79.7	189.9	2.390	-23.45	59.3	SO312	.03070	9.1362	0.4	A
9017	32217.84	48 2N	30 52E	79.5	189.8	2.181	-23.10	60.4	SO312	.03070	9.1032	1.2	F
9018	32221.04	48 1N	30 52E	78.4	189.7	2.181	-22.75	60.4	SO312	.03070	9.3591	0.8	V
9019	32224.24	47 59N	30 52E	79.1	189.7	2.390	-22.40	60.4	SO312	.03070	9.2023	0.4	A
9020	32225.24	47 55N	30 50E	79.1	189.7	2.390	-22.40	60.5	SO312	.03070	9.2023	0.4	A
9021	32232.64	47 3N	30 20E	83.6	189.6	2.181	-29.40	61.1	SO312	.03070	8.6411	0.6	F
9022	32240.84	46 42N	30 1E	86.7	189.5	2.037	-33.95	61.3	SO312	.03070	8.4595	0.8	V
9023	32244.04	46 42N	30 1E	87.5	189.4	2.037	-33.60	61.3	SO312	.03070	8.3192	0.8	A
9024	32322.24	41 7N	28 38E	85.0	188.6	2.390	-32.20	65.5	SO312	.03070	8.6411	0.6	V
9025	32325.44	41 6N	28 38E	85.7	188.6	2.390	-31.85	65.5	SO312	.03070	8.4925	0.6	A
9026	32386.24	36 28N	28 14E	75.4	188.1	2.881	-10.15	68.9	SO312	.04070	9.6149	0.4	F
9027	32388.84	36 28N	28 14E	74.5	188.1	2.881	-9.80	68.9	SO312	.04070	9.8543	0.4	V
9028	32459.84	31 23N	27 12E	75.7	187.6	3.092	-6.65	71.6	SO312	.03070	9.5902	0.8	F
9029	32465.24	31 23N	27 11E	75.7	187.6	3.092	-5.95	71.6	SO312	.03070	9.5737	0.8	A
9030	33244.44	22 4S	15 60E	129.1	187.0	3.092	-40.25	40.9	SO312	.02200	5.5957	0.6	V
9031	33249.44	22 5S	16 0E	129.9	187.0	3.092	-39.55	40.9	SO312	.02200	5.5214	0.6	A
629 9001	37686.64	36 50N	5 46E	81.1	188.1	2.530	-25.20	68.5	SO312	.03070	8.9134	0.6	F
9002	37689.44	36 50N	5 46E	80.1	188.1	2.738	-25.20	68.5	SO312	.03070	9.1610	0.6	V
9003	37695.24	36 16N	5 20E	87.4	188.1	2.530	-33.95	68.6	SO312	.01650	8.2614	1.6	F
9004	37698.84	36 14N	5 20E	86.1	188.1	2.530	-33.60	68.6	SO312	.01650	8.5173	1.2	V
9005	37756.24	31 60N	5 21E	75.5	187.7	3.092	-1.75	71.4	SO312	.03070	9.6232	0.6	F
9006	37761.64	31 60N	5 21E	75.6	187.7	3.092	-1.05	71.4	SO312	.03070	9.5819	0.6	A
631 9001	49060.04	15 46S	47 52W	98.8	186.8	3.439	-9.80	47.3	SO312	.04070	7.2546	0.6	F
9002	49067.84	15 39S	48 49W	118.2	186.8	3.439	-36.75	46.9	SO312	.02200	6.0744	0.6	A
632 9001	54134.44	0 6S	66 59W	87.6	186.5	3.587	-2.80	61.0	SO312	.03070	8.2367	1.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
632 9002	54263.04	8 32S	67 22W	115.9	186.6	2.181	33.60	54.5	SO312	.02200	6.1404	1.4	A
9003	54353.44	14 42S	68 28W	118.4	186.7	2.181	32.20	48.9	SO312	.02200	6.0001	1.4	A
9004	54376.84	16 38S	68 18W	136.5	186.8	1.826	41.65	47.3	SO312	.02200	5.3069	0.6	V
9005	54396.04	18 1S	70 14W	99.5	186.8	3.439	-4.90	45.3	SO312	.02200	7.2050	0.6	F
9006	54399.44	17 60S	70 15W	98.7	186.8	3.439	-4.90	45.3	SO312	.02200	7.3371	0.6	V
9007	54403.04	18 29S	70 17W	100.1	186.8	3.439	-3.50	44.8	SO312	.03070	7.1638	0.4	F
9008	54406.64	18 29S	70 17W	99.2	186.9	3.439	-3.15	44.8	SO312	.03070	7.2958	0.4	V
9009	54409.64	18 26S	70 19W	100.7	186.9	3.439	-3.85	44.9	SO312	.03070	7.0812	1.2	A
9010	54427.04	20 11S	70 8W	104.7	186.9	3.092	11.20	43.5	SO312	.03070	6.8502	1.0	F
9011	54431.64	20 30S	70 11W	105.3	186.9	3.092	11.90	43.2	SO312	.02200	6.8089	1.2	F
9012	54435.44	20 30S	70 11W	104.6	186.9	3.092	12.25	43.2	SO312	.02200	6.9079	1.0	V
9013	54477.24	23 40S	70 23W	115.4	187.1	2.738	22.40	40.4	SO312	.03070	6.2147	0.6	F
9014	54481.04	23 38S	70 24W	114.0	187.1	2.530	22.40	40.5	SO312	.03070	6.3302	1.2	V
9015	54557.64	28 33S	70 45W	136.6	187.4	1.690	35.00	36.1	SO312	.02200	5.1583	1.4	A
9016	54567.84	29 53S	71 11W	130.3	187.5	2.181	30.45	34.7	SO312	.02200	5.4967	1.4	F
9017	54577.44	29 52S	71 16W	130.1	187.5	2.037	29.75	34.7	SO312	.03070	5.4224	0.8	A
9018	54618.44	33 1S	71 25W	144.3	187.7	1.690	37.45	31.9	SO312	.02200	4.9685	1.0	V
9019	54623.84	33 1S	71 24W	147.7	187.8	1.484	38.15	31.9	SO312	.02200	4.7704	1.2	A
9020	54652.24	34 55S	72 10W	137.4	187.9	1.690	31.50	30.0	SO312	.03070	5.1170	0.6	A
633 9001	59109.84	22 17N	84 4W	95.7	187.0	2.530	32.90	74.1	SO312	.01650	7.6177	3.6	F
9002	59116.84	22 17N	84 10W	93.5	187.0	2.530	30.80	74.1	SO312	.02200	7.7002	7.0	A
9003	59455.44	0 52S	89 33W	90.2	186.5	3.587	-14.70	60.2	SO312	.03070	7.9808	0.6	A
634 5001	64353.24	26 31N	106 28W	75.2	187.3	3.232	-9.45	73.0	SO130	.01660	9.6489	0.8	F
5002	64379.84	25 8N	107 20W	85.9	187.2	3.092	-29.75	72.6	SO130	.01660	8.4685	0.8	A
9001	64168.64	39 11N	103 29W	73.4	188.4	2.738	-2.45	67.4	SO312	.02200	9.8955	0.8	F
9002	64174.04	39 10N	103 29W	73.5	188.4	2.738	-1.40	67.4	SO312	.02200	9.9625	0.6	A
9003	64230.24	34 58N	104 38W	74.3	187.9	2.881	-7.70	69.9	SO312	.02200	9.7717	0.6	F
9004	64235.64	34 57N	104 38W	74.3	187.9	2.881	-7.00	69.9	SO312	.02200	9.7717	0.6	A
635 9001	70369.44	22 10S	138 45W	130.9	187.0	3.092	-41.30	40.7	SO312	.02200	5.5132	1.4	V
9002	70374.24	22 9S	138 45W	132.3	187.0	3.092	-40.95	40.7	SO312	.02200	5.4141	1.4	A
639 9001	4222.64	44 57N	147 38E	74.4	189.2	2.530	2.10	63.3	SO312	.03070	9.7717	1.0	F
9002	4227.84	44 58N	147 38E	74.5	189.2	2.530	2.80	63.3	SO312	.03070	9.7387	1.2	A
640 9001	9519.24	45 48N	126 44E	87.9	189.4	2.181	29.75	62.9	SO312	.03070	8.3192	0.6	F
9002	9522.24	45 48N	126 43E	86.9	189.4	2.181	29.75	62.9	SO312	.03070	8.4843	0.6	V
9003	9524.84	45 38N	126 41E	87.2	189.3	2.181	30.10	63.1	SO312	.03070	8.4512	0.8	V
9004	9528.04	45 38N	126 41E	88.6	189.3	2.181	30.45	63.1	SO312	.03070	8.1871	0.8	A
9005	9543.24	44 10N	126 9E	85.9	189.1	2.390	27.65	64.2	SO312	.02200	8.4925	0.4	F
9006	9549.24	43 50N	125 34E	77.5	189.1	2.530	14.35	64.3	SO312	.03070	9.4086	0.4	F
9007	9550.64	43 45N	125 33E	77.5	189.0	2.530	14.35	64.3	SO312	.03070	9.4003	0.6	F
9008	9553.24	43 45N	125 33E	76.8	189.0	2.530	14.70	64.3	SO312	.03070	9.5819	0.6	V
9009	9558.84	43 11N	125 25E	77.8	189.0	2.530	15.40	64.8	SO312	.03070	9.3673	0.6	F
9010	9564.44	42 51N	124 56E	74.4	188.9	2.738	2.45	64.9	SO312	.03070	9.7717	0.4	F
9011	9570.84	42 26N	124 32E	74.2	188.8	2.738	-7.00	65.1	SO312	.03070	9.7882	0.4	F
9012	9578.84	41 57N	123 42E	83.0	188.8	2.390	-28.70	65.1	SO312	.03070	8.7236	0.4	F
9013	9581.84	41 56N	123 42E	81.8	188.7	2.390	-28.35	65.1	SO312	.03070	8.9794	1.4	V
9014	9585.64	41 53N	123 41E	82.6	188.7	2.390	-28.00	65.2	SO312	.03070	8.8144	0.6	A
9015	9602.44	40 58N	125 13E	92.0	188.5	2.390	33.25	67.4	SO312	.02200	7.9313	0.4	F
9016	9607.04	39 40N	125 35E	106.3	188.5	2.181	42.70	67.9	SO312	.01650	6.8914	17.4	F
9017	9627.84	38 47N	125 5E	99.2	188.3	1.826	38.85	68.4	SO312	.01650	7.2958	11.4	A
9018	9653.24	37 14N	122 34E	81.7	188.1	2.738	-26.60	68.3	SO312	.03070	8.8969	0.6	A
9019	9657.64	36 56N	122 32E	82.2	188.1	2.738	-27.30	68.5	SO312	.03070	8.8474	0.8	A
9020	9783.64	28 3N	120 41E	81.8	187.4	2.881	-25.90	72.3	SO312	.04070	8.9547	0.4	V
9021	9786.64	28 3N	120 40E	82.7	187.4	3.092	-25.90	72.3	SO312	.03070	8.7896	0.4	A
9022	9797.24	27 20N	120 27E	84.1	187.3	3.092	-28.35	72.4	SO312	.03070	8.6411	0.4	A
641 5001	15095.84	27 45N	97 58E	97.2	187.4	2.390	-41.30	71.9	SO130	.01250	7.4368	0.8	F
5002	15100.44	27 41N	97 48E	100.9	187.3	2.390	-44.45	71.8	SO130	.01250	7.2717	0.8	V
5003	15103.84	27 26N	97 48E	99.3	187.3	2.390	-43.40	71.9	SO130	.01250	7.3955	0.8	V
5004	15109.04	27 4N	97 57E	91.8	187.3	2.738	-38.15	72.2	SO130	.01660	7.9981	0.8	V
5005	15112.04	26 51N	97 55E	91.8	187.3	2.738	-37.80	72.2	SO130	.01660	7.9981	1.0	V
5006	15113.84	26 44N	97 54E	91.9	187.3	2.738	-37.80	72.2	SO130	.01660	7.9816	0.8	V
5007	15118.44	26 26N	97 34E	101.0	187.3	2.530	-44.10	72.0	SO130	.01250	7.2469	0.8	V
5008	15122.24	25 56N	97 34E	99.5	187.2	2.530	-42.35	72.2	SO130	.01250	7.2387	0.8	F
5009	15127.24	25 48N	97 45E	91.1	187.2	2.738	-36.75	72.4	SO130	.01660	8.0558	1.0	V
5010	15130.44	25 35N	97 43E	90.7	187.2	2.738	-36.40	72.4	SO130	.01660	8.0889	0.8	V
5011	15135.24	25 14N	97 44E	88.1	187.2	2.738	-34.30	72.5	SO130	.01660	8.3282	0.8	V
5012	15141.04	25 4N	97 42E	89.2	187.2	3.092	-33.95	72.5	SO130	.01660	8.1714	0.8	A
5013	15159.64	23 4N	99 27E	104.2	187.1	2.390	39.90	74.5	SO130	.01250	7.0076	1.0	F
5014	15163.44	23 4N	99 23E	101.1	187.1	2.181	38.85	74.4	SO130	.01250	7.2387	1.0	V
5015	15167.84	22 46N	99 13E	97.7	187.1	2.390	36.05	74.3	SO130	.01250	7.5111	0.8	V
5016	15172.44	22 14N	99 0E	94.0	187.0	2.390	32.90	74.1	SO130	.01660	7.7587	0.8	F
5017	15175.24	22 3N	98 59E	95.0	187.0	2.390	32.90	74.1	SO130	.01660	7.6762	0.8	F
5018	15178.64	21 48N	98 57E	95.5	187.0	2.390	33.25	74.1	SO130	.01660	7.6349	0.8	F
5019	15182.24	21 33N	98 56E	96.6	187.0	2.390	34.30	74.1	SO130	.01250	7.5523	0.8	F
5020	15187.04	21 29N	98 41E	89.0	187.0	2.390	28.35	73.9	SO130	.01660	8.2457	1.0	V
5021	15191.84	21 23N	98 44E	92.4	187.0	2.390	30.80	74.0	SO130	.01660	7.8165	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
641 5022	15195.84	21 0N	98 47E	96.4	187.0	2.390	33.60	74.0	S0130	.01250	7.4863	1.0	A
642 5001	20007.24	55 5N	82 59E	92.8	191.4	1.484	-37.45	54.4	S0130	.01250	7.7669	0.6	F
5002	20013.84	55 5N	82 60E	92.2	191.3	1.690	-37.10	54.4	S0130	.01250	7.8990	0.6	A
5003	20036.64	53 4N	84 26E	77.2	190.8	2.181	15.05	56.6	S0130	.02210	9.5085	0.4	V
5004	20039.44	53 5N	84 27E	78.5	190.8	2.181	15.75	56.6	S0130	.02210	9.2609	0.6	A
9001	19983.04	56 38N	84 53E	76.0	191.9	2.037	-11.20	53.3	S0312	.04070	9.5406	0.8	F
9002	19988.44	56 38N	84 52E	75.9	191.8	2.037	-10.85	53.3	S0312	.04070	9.5737	0.8	A
9003	20007.24	55 5N	82 59E	92.8	191.4	1.484	-37.45	54.4	S0312	.02200	7.7662	0.6	F
9004	20013.84	55 5N	82 60E	92.2	191.3	1.690	-37.10	54.4	S0312	.02200	7.8983	0.6	A
9005	20033.84	53 4N	84 27E	78.1	190.9	2.181	15.05	56.6	S0312	.03070	9.3178	0.4	F
9006	20036.44	53 5N	84 26E	77.2	190.9	2.181	15.05	56.6	S0312	.03070	9.5076	0.6	V
9007	20047.64	52 24N	83 29E	73.6	190.7	2.181	-3.50	57.1	S0312	.04070	9.9780	0.4	V
9008	20050.24	52 24N	83 29E	74.5	190.6	2.181	-3.15	57.1	S0312	.03070	9.7470	0.6	A
9009	20083.84	49 57N	82 39E	73.7	190.1	2.390	-7.35	59.1	S0312	.03070	9.9780	0.6	V
9010	20091.24	49 18N	81 54E	77.3	190.0	2.181	-18.55	59.6	S0312	.03070	9.3673	0.6	F
9011	20094.04	49 17N	81 54E	76.3	190.0	2.181	-18.20	59.6	S0312	.03070	9.6232	0.6	V
9012	20099.44	49 11N	81 22E	84.4	189.9	2.181	-30.45	59.5	S0312	.03070	8.6081	0.6	A
9013	20103.84	48 54N	81 6E	88.1	189.8	2.181	-34.65	59.7	S0312	.04070	8.2862	0.4	A
9014	20136.44	46 13N	80 50E	78.9	189.4	2.390	-22.40	62.0	S0312	.02200	9.1775	0.8	F
9015	20139.24	46 13N	80 50E	77.8	189.4	2.390	-22.05	62.0	S0312	.02200	9.4334	2.0	V
9016	20146.44	45 54N	80 52E	76.5	189.3	2.530	-18.20	62.3	S0312	.02200	9.4994	0.8	A
9017	20168.64	44 13N	80 1E	82.3	189.1	2.181	-29.40	63.5	S0312	.03070	8.9052	0.6	V
9018	20172.04	44 12N	79 60E	83.2	189.0	2.390	-29.40	63.5	S0312	.03070	8.7484	0.6	A
9019	20270.04	37 5N	79 52E	83.0	188.2	2.390	25.55	69.2	S0312	.03070	8.8556	0.4	V
9020	20273.04	37 5N	79 52E	84.3	188.1	2.390	25.90	69.2	S0312	.03070	8.5750	0.4	A
9021	20315.24	34 10N	77 31E	85.3	187.8	2.530	-31.85	69.9	S0312	.02200	8.5915	1.0	V
9022	20318.44	34 9N	77 30E	86.2	187.8	2.738	-31.85	69.9	S0312	.02200	8.4430	1.0	A
9023	20365.44	30 42N	76 48E	85.3	187.6	2.738	-31.50	71.4	S0312	.02200	8.5915	1.0	V
9024	20368.64	30 42N	76 48E	86.1	187.5	2.738	-31.15	71.4	S0312	.02200	8.4430	1.0	A
9025	20394.44	28 37N	77 12E	75.1	187.4	3.092	-1.40	72.7	S0312	.03070	9.7717	0.6	V
9026	20397.24	28 37N	77 12E	76.0	187.4	3.092	-1.05	72.7	S0312	.03070	9.5241	0.6	A
9027	20409.44	27 30N	77 42E	85.5	187.3	2.738	25.20	73.0	S0312	.03070	8.5750	1.0	V
9028	20449.84	24 54N	75 37E	87.3	187.2	2.881	-32.20	72.6	S0312	.03070	8.3852	0.4	V
9029	20453.04	24 54N	75 36E	88.2	187.1	3.092	-32.20	72.6	S0312	.03070	8.2367	0.6	A
643 5001	25460.24	45 7N	59 18E	75.0	189.2	2.530	5.60	63.2	S0130	.02210	9.7066	0.8	F
5002	25465.04	45 10N	59 19E	75.3	189.2	2.530	6.65	63.2	S0130	.02210	9.6489	1.4	A
9001	25374.04	51 7N	60 6E	81.2	190.4	2.037	-25.55	58.0	S0312	.03070	8.9217	0.4	F
9002	25376.84	51 7N	60 6E	80.0	190.3	2.037	-25.20	58.0	S0312	.03070	9.1775	0.4	V
9003	25381.64	50 50N	59 32E	88.5	190.3	1.826	-35.35	58.1	S0312	.03070	8.2862	0.8	V
9004	25384.84	50 50N	59 31E	89.7	190.2	2.037	-35.70	58.1	S0312	.03070	8.1211	1.0	A
9005	25459.64	45 10N	59 19E	75.0	189.3	2.530	5.60	63.2	S0312	.03070	9.7057	1.4	F
9006	25465.04	45 9N	59 19E	75.3	189.2	2.530	6.65	63.2	S0312	.03070	9.6479	1.4	A
644 5001	30610.04	56 0N	40 19E	76.1	191.7	1.826	-12.60	53.9	S0130	.02210	9.5168	0.8	F
5002	30615.44	56 1N	40 18E	76.1	191.6	2.037	-12.60	53.9	S0130	.02210	9.5498	0.8	A
5003	30653.04	52 51N	40 50E	89.0	190.9	2.037	30.80	57.0	S0130	.01250	8.1879	3.2	F
5004	30659.84	52 49N	40 59E	93.3	190.8	1.826	34.65	57.1	S0130	.01250	7.7917	3.2	A
5005	30685.84	50 55N	39 22E	76.8	190.3	2.181	14.70	58.5	S0130	.01660	9.5746	3.4	V
5006	30716.24	48 47N	37 35E	76.6	189.9	2.390	-16.45	60.0	S0312	.03080	9.4755	0.6	F
5007	30719.04	48 47N	37 35E	75.6	189.9	2.390	-16.10	60.0	S0312	.03080	9.7149	0.6	V
5008	30721.84	48 46N	37 35E	76.4	189.8	2.390	-15.75	60.0	S0312	.03080	9.5250	0.6	A
5009	30732.44	48 1N	37 35E	74.8	189.7	2.390	-8.75	60.7	S0312	.03080	9.7314	1.4	A
5010	30741.64	47 11N	37 36E	73.4	189.6	2.530	-0.70	61.5	S0312	.03080	10.0038	0.4	V
5011	30744.44	47 10N	37 36E	74.4	189.5	2.530	-0.35	61.5	S0312	.03080	9.7809	0.4	A
5012	30979.84	30 40N	33 13E	75.7	187.6	3.092	-9.10	71.9	S0312	.03080	9.5911	0.4	F
5013	30983.64	30 25N	33 6E	76.3	187.6	3.092	-11.55	72.0	S0312	.03080	9.5085	0.4	F
5014	30986.24	30 25N	33 5E	75.5	187.5	3.092	-11.55	72.0	S0312	.03080	9.7231	0.6	V
5015	30989.24	30 25N	33 5E	76.4	187.5	3.092	-11.20	72.0	S0312	.03080	9.5168	0.4	A
9001	30473.84	71 38N	52 22E	78.2	201.2	1.135	3.50	39.2	S0312	.04070	9.2683	0.4	F
9002	30376.44	71 38N	52 24E	77.3	201.0	1.135	3.85	39.2	S0312	.04070	9.4911	0.4	V
9003	30381.44	71 29N	52 21E	78.4	200.7	1.135	5.95	39.4	S0312	.04070	9.2518	0.4	A
9004	30508.04	63 1N	41 50E	102.2	194.4	0.787	-42.35	47.3	S0312	.02200	7.0482	3.8	F
9005	30515.44	63 1N	41 49E	101.8	194.2	0.995	-42.35	47.3	S0312	.02200	7.1473	3.8	A
9006	30595.84	56 59N	40 34E	77.5	192.0	1.826	-16.45	53.0	S0312	.04070	9.3426	0.6	F
9007	30598.44	56 59N	40 34E	76.5	191.9	1.826	-16.10	53.0	S0312	.04070	9.5984	0.8	V
9008	30602.64	56 58N	40 38E	76.4	191.8	2.037	-13.30	53.1	S0312	.04070	9.5159	1.8	A
9009	30605.04	56 43N	40 34E	76.4	191.8	2.037	-13.30	53.2	S0312	.04070	9.5159	0.4	A
9010	30609.84	56 1N	40 19E	76.2	191.7	1.826	-12.60	53.9	S0312	.04070	9.5159	1.0	F
9011	30615.44	56 0N	40 18E	76.1	191.6	2.037	-12.60	53.9	S0312	.04070	9.5489	0.8	A
9012	30672.44	51 42N	39 16E	74.9	190.5	2.390	3.85	57.8	S0312	.03070	9.7057	1.2	F
9013	30677.64	51 42N	39 17E	75.0	190.5	2.181	4.90	57.8	S0312	.03070	9.6727	1.2	A
9014	30728.64	48 5N	37 42E	73.5	189.7	2.390	-5.95	60.7	S0312	.03070	10.0028	0.8	V
9015	30765.24	45 27N	36 16E	81.0	189.3	2.181	-25.55	62.6	S0312	.03070	8.9299	0.8	F
9016	30768.24	45 26N	36 15E	79.9	189.3	2.390	-25.55	62.6	S0312	.03070	9.1858	0.8	V
9017	30774.04	45 4N	35 59E	83.0	189.2	2.181	-29.75	62.8	S0312	.03070	8.8309	0.6	V
9018	30777.24	45 3N	35 59E	83.9	189.2	2.390	-29.75	62.8	S0312	.03070	8.6741	0.6	A
9019	30915.44	35 8N	33 42E	81.8	188.0	2.738	-26.25	69.5	S0312	.03070	8.8391	0.4	F
9020	30921.44	34 57N	33 23E	86.6	187.9	2.530	-33.60	69.5	S0312	.03070	8.4595	0.4	V
9021	30924.64	34 57N	33 24E	87.2	187.9	2.738	-33.25	69.5	S0312	.03070	8.3440	0.4	A
9022	30961.64	31 57N	34 53E	97.5	187.7	2.181	37.45	72.4	S0312	.01650	7.5352	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
644 9023	30965.24	31 57N	34 53E	99.3	187.7	2.181	37.80	72.4	SO312	.01650	7.2711	0.8	A
9024	30997.04	29 57N	32 28E	84.8	187.5	2.881	-29.05	71.7	SO312	.03070	8.5668	1.0	A
9025	31019.04	28 16N	33 39E	87.5	187.4	2.530	26.60	73.4	SO312	.01650	8.2449	1.4	A
9026	31832.64	27 46S	21 30E	121.8	187.3	3.092	-30.10	35.6	SO312	.03070	5.8433	0.6	F
9027	31836.84	27 45S	21 31E	119.9	187.4	3.092	-29.40	35.7	SO312	.03070	6.0084	0.8	V
645 5001	35937.44	54 34N	18 34E	76.9	191.3	2.181	11.55	55.3	SO312	.04000	9.4673	0.6	F
5002	35940.24	54 34N	18 34E	76.2	191.2	2.181	11.90	55.3	SO312	.04000	9.6571	0.6	V
5003	35946.44	54 4N	19 3E	85.4	191.1	1.826	28.00	55.9	SO312	.03080	8.6254	0.6	V
5004	35949.64	54 3N	19 3E	86.8	191.1	1.826	28.35	55.9	SO312	.03080	8.3612	0.6	A
5005	35954.24	53 32N	18 47E	84.4	191.0	1.826	26.95	56.3	SO312	.03080	8.7244	1.2	V
5006	35957.64	53 31N	18 47E	85.8	190.9	1.826	27.30	56.4	SO312	.03080	8.4685	1.0	A
5007	35967.44	52 33N	17 37E	75.5	190.8	2.181	7.70	57.1	SO312	.03080	9.6406	0.4	F
5008	35970.04	52 33N	17 37E	74.8	190.7	2.181	8.05	57.1	SO312	.04000	9.8304	0.8	V
5009	35973.04	52 32N	17 36E	75.8	190.7	2.181	8.40	57.1	SO312	.03080	9.5911	0.6	A
5010	35978.84	51 54N	17 46E	79.1	190.6	2.037	19.25	57.7	SO312	.03080	9.2939	0.6	V
5011	35981.84	51 54N	17 48E	80.3	190.5	2.037	19.60	57.7	SO312	.03080	9.0463	0.4	A
5012	35987.64	51 32N	17 18E	76.2	190.4	2.181	10.15	58.0	SO312	.03080	9.5333	0.4	A
5013	36001.64	50 19N	15 49E	74.1	190.2	2.181	-20.30	58.7	SO312	.03080	9.2774	0.6	F
5014	36005.64	50 3N	15 48E	77.4	190.2	2.181	-18.55	59.0	SO312	.03080	9.3682	0.6	F
5015	36008.44	50 2N	15 48E	76.4	190.1	2.181	-18.20	59.0	SO312	.03080	9.6076	0.6	V
5016	36018.44	49 14N	16 37E	76.2	190.0	2.181	13.30	59.9	SO312	.03080	9.6571	0.6	V
5017	36021.24	49 14N	16 37E	77.3	189.9	2.181	13.65	59.9	SO312	.03080	9.4095	0.6	A
5018	36054.84	46 35N	15 40E	75.9	189.5	2.530	10.15	62.1	SO312	.03080	9.5993	0.8	F
5019	36057.64	46 34N	15 39E	75.2	189.5	2.530	10.50	62.1	SO312	.03080	9.7809	0.8	V
9001	35946.44	54 3N	19 3E	85.4	191.1	1.826	28.00	55.9	SO312	.03070	8.6246	0.8	V
9002	35949.44	54 4N	19 3E	86.7	191.1	1.826	28.35	55.9	SO312	.03070	8.3605	1.0	A
9003	36028.84	48 27N	17 1E	87.3	189.8	2.037	30.45	60.8	SO312	.03070	8.4100	0.4	V
9004	36032.04	48 27N	17 2E	88.9	189.8	1.826	31.15	60.8	SO312	.03070	8.1541	0.4	A
9005	36036.84	48 9N	16 35E	82.2	189.7	2.037	23.10	61.0	SO312	.03070	8.8144	1.0	A
9006	36064.64	45 49N	15 60E	84.6	189.4	2.390	25.90	62.9	SO312	.03070	8.6103	0.4	F
9007	36067.64	45 49N	16 1E	84.3	189.4	2.181	26.95	62.9	SO312	.03070	8.7318	0.8	V
9008	36071.24	45 47N	16 1E	85.9	189.3	2.181	27.65	62.9	SO312	.03070	8.4347	0.4	A
9009	36081.84	44 50N	15 50E	87.1	189.2	2.181	30.10	63.7	SO312	.03070	8.4595	0.6	V
9010	36085.04	44 50N	15 50E	88.1	189.2	2.181	30.10	63.7	SO312	.03070	8.2202	0.6	A
9011	36257.64	32 37N	12 21E	82.4	187.7	2.738	21.00	71.7	SO312	.03070	8.8474	0.6	F
9012	36263.24	32 29N	11 55E	75.7	187.7	2.881	7.35	71.5	SO312	.02200	9.7140	0.4	V
9013	36266.04	32 29N	11 54E	76.7	187.7	2.881	7.70	71.5	SO312	.01650	9.4416	0.4	A
646 5001	41224.04	55 59N	3 10W	75.4	191.7	2.037	5.95	54.0	SO312	.04000	9.6406	0.8	F
5002	41229.44	55 59N	3 10W	75.7	191.6	2.037	6.65	54.0	SO312	.04000	9.6076	0.8	A
5003	41307.44	50 28N	5 1W	76.8	190.2	2.181	14.70	58.9	SO312	.03080	9.5746	0.6	V
5004	41310.24	50 24N	5 1W	77.9	190.2	2.181	15.05	58.9	SO312	.03080	9.3270	0.6	A
5005	41441.84	41 11N	8 37W	75.0	188.7	2.738	-11.20	66.0	SO312	.03080	9.6736	0.8	F
5006	41447.24	41 11N	8 37W	75.0	188.6	2.738	-10.50	66.0	SO312	.03080	9.6901	0.8	A
5007	41477.24	38 45N	9 8W	74.6	188.4	2.738	-7.70	67.7	SO312	.03080	9.7314	0.6	F
5008	41479.84	38 45N	9 8W	73.8	188.3	2.738	-7.35	67.7	SO312	.03080	9.9460	0.6	V
9001	41626.04	28 28N	11 5W	76.9	187.4	3.092	5.95	72.9	SO312	.03070	9.4416	0.8	F
9002	41628.84	28 28N	11 5W	76.2	187.4	3.092	6.30	72.9	SO312	.03070	9.6314	0.6	V
647 5001	47399.24	3 45S	38 32W	101.8	186.5	2.881	24.85	58.3	SO312	.02210	7.1149	0.6	F
5002	47426.84	5 11S	40 42W	111.7	186.5	3.232	-39.20	55.9	SO312	.02210	6.5206	0.8	V
5003	47444.64	6 9S	40 40W	106.4	186.5	3.587	-33.60	55.2	SO312	.02210	6.7682	0.8	A
5004	47554.44	13 51S	40 4W	116.6	186.7	2.390	30.45	49.5	SO312	.02210	6.0996	0.8	A
5005	47644.84	19 48S	43 9W	113.7	186.9	3.439	-29.75	43.1	SO312	.03080	6.2977	1.4	A
5006	47653.44	20 43S	42 50W	103.7	187.0	3.439	-16.45	42.4	SO312	.03080	6.9746	0.6	V
5007	47675.84	22 30S	43 15W	107.4	187.0	3.439	-18.55	40.8	SO312	.02210	6.6527	0.6	F
5008	47679.64	22 29S	43 15W	106.3	187.0	3.439	-18.20	40.8	SO312	.02210	6.7930	0.8	V
5009	47685.04	22 52S	43 10W	104.7	187.1	3.439	-13.65	40.5	SO312	.04000	6.9003	0.6	V
5010	47689.04	22 53S	43 10W	106.1	187.1	3.439	-12.95	40.5	SO312	.04000	6.7269	0.6	A
9001	47402.44	3 44S	38 31W	101.9	186.5	2.881	25.90	58.4	SO312	.02200	7.1390	1.4	V
9002	47406.24	3 44S	38 32W	103.4	186.5	2.530	26.25	58.4	SO312	.02200	6.9079	1.4	A
9003	47420.84	4 49S	40 22W	102.6	186.5	4.439	-32.20	56.4	SO312	.02200	7.0895	1.4	V
9004	47436.04	5 53S	40 17W	96.3	186.5	3.587	-23.80	55.7	SO312	.03070	7.5434	1.4	V
9005	47527.64	12 15S	40 27W	97.5	186.7	3.232	10.50	50.6	SO312	.03070	7.4444	0.6	V
9006	47534.64	12 30S	40 17W	103.1	186.7	2.881	17.85	50.5	SO312	.03070	6.9079	1.2	A
9007	47568.84	14 49S	40 51W	101.5	186.7	3.092	12.60	48.3	SO312	.03070	7.0152	1.4	A
9008	47599.44	16 45S	42 24W	107.8	186.8	3.587	-26.25	45.9	SO312	.03070	6.6521	0.6	A
648 5001	52575.44	5 46N	60 17W	89.3	186.5	3.587	-22.40	65.0	SO312	.03080	8.0971	1.4	A
5002	52600.84	3 40N	59 32W	92.5	186.5	2.881	20.65	64.3	SO312	.03080	7.8990	1.4	V
5003	52878.24	14 44S	64 57W	133.1	186.7	3.092	-44.80	47.3	SO312	.03080	5.4146	0.8	A
5004	52894.64	16 29S	62 40W	115.3	186.8	2.530	29.05	47.0	SO312	.02210	6.2812	1.4	V
5005	52902.64	17 15S	63 15W	104.9	186.8	3.092	15.75	46.1	SO312	.03080	6.8508	1.4	F
5006	52907.64	17 37S	63 8W	109.2	186.8	2.881	21.35	45.9	SO312	.03080	6.5866	0.8	F
5007	52909.84	17 46S	63 10W	109.4	186.8	2.881	21.35	45.7	SO312	.03080	6.5784	1.4	F
5008	52914.04	17 47S	63 11W	108.5	186.8	2.881	21.35	45.7	SO312	.03080	6.6774	0.4	V
5009	52970.04	21 55S	63 39W	119.5	187.0	2.530	27.65	42.0	SO312	.03080	6.0088	1.4	F
5010	52987.04	22 28S	63 47W	120.4	187.0	2.181	27.65	41.5	SO312	.03080	5.8850	1.4	A
5011	53013.64	24 11S	65 15W	104.9	187.1	3.232	-4.55	39.4	SO312	.03080	6.7930	1.4	A
5012	53043.44	26 48S	65 14W	109.7	187.3	2.881	10.15	37.2	SO312	.03080	6.5206	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
648 5013	53047.24	26 48S	65 6W	110.8	187.3	2.881	14.00	37.2	SO312	.03080	6.4958	1.4	V
5014	53054.84	27 45S	64 19W	137.1	187.3	2.181	35.35	36.7	SO312	.02210	5.2165	0.6	F
5015	53072.04	28 27S	65 43W	108.9	187.4	2.881	6.30	35.5	SO312	.03080	6.6114	0.6	V
5016	53100.04	30 19S	66 16W	109.2	187.5	2.881	2.10	33.7	SO312	.03080	6.5866	0.4	V
5017	53104.04	30 19S	66 16W	111.0	187.6	3.092	2.45	33.7	SO312	.03080	6.3968	0.6	A
5018	53138.04	33 1S	68 30W	134.6	187.7	2.881	-36.05	30.5	SO312	.03080	5.2577	1.4	F
5019	53154.64	33 45S	66 49W	117.2	187.8	2.530	11.90	30.6	SO312	.03080	6.0419	0.6	A
5020	53182.04	35 28S	68 3W	116.6	188.0	3.092	-13.30	28.6	SO312	.03080	6.0631	1.0	A
5021	53297.44	43 37S	68 56W	124.2	189.0	2.181	12.60	21.2	SO312	.04000	5.7612	0.6	V
5022	53302.24	43 37S	68 57W	126.3	189.0	2.181	12.95	21.2	SO312	.04000	5.5796	0.6	A
5023	53313.64	44 42S	69 11W	125.7	189.1	2.181	13.30	20.1	SO312	.04000	5.6869	0.8	V
5024	53320.64	45 32S	68 59W	133.4	189.2	2.037	20.65	19.4	SO312	.04000	5.3155	1.6	F
5025	53329.44	45 21S	70 16W	123.4	189.3	2.530	-3.85	19.2	SO312	.04000	5.7117	0.8	A
5026	53334.04	45 40S	70 14W	123.7	189.4	2.530	-1.40	19.0	SO312	.04000	5.7034	0.8	A
5027	53342.64	46 30S	70 58W	123.9	189.5	2.530	-10.85	18.0	SO312	.04000	5.7695	1.0	V
5028	53349.04	46 31S	71 36W	132.0	189.5	2.738	-21.70	17.8	SO312	.04000	5.3485	0.8	A
5029	53394.64	50 17S	71 52W	126.9	190.1	2.390	-4.90	14.4	SO312	.05370	5.5714	1.0	F
5030	53400.04	50 18S	72 14W	127.0	190.2	2.390	-10.50	14.3	SO312	.05370	5.6127	1.2	V
5031	53404.64	50 55S	72 24W	128.6	190.3	2.390	-10.15	13.7	SO312	.05370	5.4971	1.0	F
5032	53414.64	51 1S	71 47W	128.6	190.4	2.181	1.75	13.8	SO312	.05370	5.4723	0.8	A
5033	53425.84	51 43S	72 30W	129.3	190.6	2.390	-6.30	13.0	SO312	.05370	5.4393	0.6	A
9001	52606.44	3 3N	59 38W	93.6	186.5	3.092	20.30	63.8	SO312	.03070	7.7415	1.0	F
9002	52617.44	2 51N	60 40W	88.9	186.5	3.587	-17.50	63.0	SO312	.03070	8.1211	1.0	A
9003	52873.44	14 46S	64 54W	129.9	186.7	2.881	-44.10	47.3	SO312	.02200	5.5627	1.4	V
9004	52927.44	18 11S	65 11W	118.7	186.9	3.439	-36.05	44.4	SO312	.03070	6.0331	0.8	A
9005	52938.64	18 57S	65 16W	117.2	186.9	3.439	-34.65	43.7	SO312	.03070	6.1074	1.6	A
9006	52952.24	20 11S	65 26W	114.6	186.9	3.232	-32.90	42.6	SO312	.03070	6.3220	1.4	V
9007	52979.04	22 31S	63 51W	117.5	187.0	2.530	25.20	41.4	SO312	.03070	6.1074	0.6	F
9008	52986.84	22 36S	63 49W	120.5	187.1	2.181	27.65	41.4	SO312	.03070	5.8681	1.4	A
9009	52996.84	23 6S	64 18W	111.3	187.1	2.738	17.15	40.7	SO312	.03070	6.3715	1.4	A
9010	53003.04	23 52S	64 4W	118.6	187.1	2.530	26.25	40.2	SO312	.03070	6.0744	1.4	V
9011	53095.84	30 18S	66 17W	110.0	187.5	3.092	1.05	33.7	SO312	.03070	6.4870	1.4	F
649 5001	57362.84	41 2N	74 8W	78.6	188.6	2.530	18.20	66.5	SO312	.02210	9.3600	7.4	V
5002	57645.04	21 52N	78 44W	79.2	187.0	3.092	7.00	73.4	SO312	.04000	9.1371	0.6	A
9001	57362.84	41 2N	74 8W	78.6	188.6	2.530	18.20	66.5	SO312	.02200	9.3591	7.4	V
9002	57634.24	22 13N	78 36W	79.2	187.0	3.232	8.40	73.5	SO312	.02200	9.1775	3.6	F
9003	57642.44	22 3N	78 42W	79.1	187.0	3.092	7.00	73.5	SO312	.02200	9.1362	5.8	A
9004	57841.44	8 7N	80 59W	87.5	186.6	3.092	16.45	67.5	SO312	.03070	8.3440	0.4	V
9005	57844.64	8 8N	80 59W	88.9	186.6	3.092	16.80	67.5	SO312	.03070	8.0716	0.6	A
650 5001	62891.04	25 44N	100 18W	75.6	187.2	3.232	-3.15	73.3	SO312	.03080	9.7066	0.4	V
5002	62893.84	25 44N	100 19W	76.6	187.2	3.232	-2.80	73.3	SO312	.03080	9.4673	0.4	A
655 5001	2616.23	54 20N	158 10E	87.9	191.2	1.826	30.45	55.8	SO312	.02210	8.3777	0.8	V
5002	2619.43	54 20N	158 11E	89.4	191.2	1.826	30.80	55.8	SO312	.02210	8.1384	0.6	A
656 5001	8114.43	41 50N	129 38E	85.9	188.7	2.390	-33.25	65.3	SO312	.03080	8.5428	1.4	V
5002	8120.83	41 36N	129 38E	85.4	188.7	2.390	-31.50	65.5	SO312	.02210	8.5181	1.0	A
5003	8125.63	41 16N	129 34E	85.2	188.6	2.390	-31.15	65.7	SO312	.02210	8.5593	0.4	A
9001	8073.03	44 28N	132 8E	80.4	189.1	2.390	21.35	64.0	SO312	.02200	9.1362	0.4	V
9002	8076.03	44 28N	132 8E	81.6	189.1	2.390	21.70	64.0	SO312	.02200	8.8639	0.4	A
9003	8080.83	43 56N	131 56E	79.6	189.0	2.390	19.95	64.4	SO312	.02200	9.2270	0.8	V
9004	8083.83	43 56N	131 56E	80.8	189.0	2.390	20.30	64.4	SO312	.02200	8.9547	0.8	A
9005	8090.83	42 54N	132 32E	102.4	188.9	2.181	40.60	65.6	SO312	.04070	7.1555	0.6	F
9006	8094.43	42 55N	132 25E	97.8	188.9	2.181	38.50	65.5	SO312	.04070	7.5352	1.4	V
9007	8098.03	42 55N	132 24E	99.0	188.9	1.826	38.85	65.5	SO312	.04070	7.3123	1.4	A
9008	8118.63	41 45N	129 40E	85.4	188.7	2.390	-31.50	65.4	SO312	.02200	8.5173	3.2	A
9009	8133.23	40 46N	129 14E	90.2	188.5	2.390	-36.40	66.0	SO312	.02200	8.0716	3.4	A
9010	8164.03	38 43N	128 22E	101.0	188.3	2.181	-44.45	67.1	SO312	.01650	7.1968	5.4	A
9011	8199.03	36 5N	129 23E	75.5	188.0	2.881	4.55	69.6	SO312	.03070	9.6067	1.0	A
9012	8204.03	35 32N	129 23E	75.5	188.0	2.881	8.40	70.0	SO312	.03070	9.7387	0.8	V
9013	8209.23	35 11N	129 10E	74.5	188.0	2.881	3.50	70.1	SO312	.03070	9.8625	1.0	V
9014	8339.63	26 23N	127 46E	85.1	187.2	2.738	22.75	73.8	SO312	.03070	8.4843	0.6	A
657 5001	13423.83	41 59N	108 48E	74.7	188.7	2.738	6.30	65.7	SO312	.03080	9.7314	0.4	A
5002	13442.63	40 39N	109 0E	83.0	188.6	2.390	24.15	67.0	SO312	.02210	8.7327	0.8	A
5003	13642.03	26 40N	104 42E	77.2	187.3	3.232	-16.80	72.9	SO312	.03080	9.3930	0.4	F
5004	13649.23	26 31N	104 58E	75.7	187.3	3.232	-3.85	73.2	SO312	.03080	9.5911	0.4	A
5005	13659.03	25 43N	104 10E	83.3	187.2	3.092	-29.05	72.7	SO312	.03080	8.8070	0.4	V
5006	13666.63	25 0N	103 39E	95.5	187.2	2.530	-39.55	72.4	SO312	.01660	7.5441	0.6	F
5007	13674.83	24 51N	103 59E	84.5	187.1	3.092	-28.70	72.7	SO312	.03080	8.6254	0.4	A
9001	13274.43	51 48N	112 0E	75.7	190.6	2.390	9.10	57.9	SO312	.03070	9.6067	0.4	F
9002	13281.63	51 22N	112 47E	89.1	190.5	1.826	32.20	58.4	SO312	.03070	8.2697	0.4	V
9003	13284.83	51 23N	112 48E	90.6	190.4	1.826	32.55	58.4	SO312	.03070	8.0056	0.4	A
9004	13439.23	40 40N	109 2E	82.3	188.6	2.390	24.50	66.9	SO312	.03070	8.9299	0.4	V
9005	13592.03	30 9N	106 45E	90.8	187.5	2.390	31.85	73.1	SO312	.02200	8.0881	0.6	V
9006	13595.43	30 8N	106 45E	92.3	187.5	2.390	32.20	73.1	SO312	.02200	7.8158	0.4	A
658 5001	18489.43	58 29N	92 17E	74.7	192.5	1.826	-0.70	51.9	SO312	.03080	9.8470	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
658 5002	18492.23	58 28N	92 17E	75.6	192.4	1.826	-0.35	51.9	SO312	.03080	9.6324	0.6	A
5003	18516.83	56 19N	92 19E	82.9	191.8	2.037	22.75	54.0	SO312	.03080	8.7904	0.4	F
5004	18518.23	56 13N	92 16E	82.8	191.8	2.037	22.75	54.1	SO312	.03080	8.7987	1.2	F
5005	18521.83	56 10N	92 16E	82.2	191.7	1.826	23.45	54.1	SO312	.03080	8.9555	0.6	V
5006	18535.43	55 18N	89 35E	85.9	191.5	1.690	-30.80	54.5	SO312	.03080	8.4355	0.4	F
5007	18538.43	55 18N	89 34E	85.0	191.4	1.690	-30.60	54.5	SO312	.03080	8.6501	0.4	V
5008	18541.63	55 5N	89 25E	86.1	191.3	1.690	-32.20	54.7	SO312	.03080	8.5346	0.6	V
5009	18544.83	55 5N	89 26E	86.9	191.3	1.690	-31.85	54.7	SO312	.03080	8.3943	0.4	A
5010	18560.83	53 43N	91 24E	86.8	191.0	1.826	28.35	56.3	SO312	.03080	8.3612	0.6	A
5011	18569.83	53 5N	91 27E	92.8	190.8	1.690	34.30	57.0	SO312	.02210	7.8412	0.4	A
5012	18687.43	44 54N	86 19E	84.3	189.2	2.181	-30.45	63.1	SO312	.02210	8.5754	0.6	F
5013	18698.23	44 1N	87 31E	77.5	189.1	2.530	14.00	64.3	SO312	.03080	9.4095	0.6	F
5014	18701.03	44 1N	87 31E	76.8	189.0	2.530	14.35	64.3	SO312	.03080	9.5826	0.6	V
5015	18704.83	43 45N	87 28E	77.0	189.0	2.530	15.40	64.5	SO312	.03080	9.5581	0.6	V
5016	18708.83	43 29N	87 23E	76.4	189.0	2.530	15.05	64.7	SO312	.03080	9.6324	1.0	V
5017	18712.23	43 27N	87 22E	77.5	188.9	2.530	15.40	64.8	SO312	.03080	9.3765	0.4	A
5018	19152.03	13 4N	80 15E	80.4	186.7	3.439	-6.65	70.0	SO312	.03080	9.1041	0.4	V
5019	19155.03	13 4N	80 15E	81.5	186.7	3.439	-5.95	70.0	SO312	.03080	8.8895	0.4	A
5020	19209.03	9 8N	79 44E	82.3	186.6	3.439	1.05	67.8	SO312	.04000	8.8812	0.4	V
5021	19212.03	9 8N	79 44E	83.5	186.6	3.439	1.40	67.8	SO312	.04000	8.6419	0.4	A
5022	19238.43	7 3N	79 54E	91.6	186.6	2.881	21.70	66.8	SO312	.03080	7.9816	0.6	V
5023	19241.83	7 3N	79 55E	93.5	186.6	2.881	22.40	66.8	SO312	.02210	7.7009	0.6	A
9001	18517.23	56 17N	92 18E	83.1	191.8	2.037	22.75	54.0	SO312	.03070	8.7896	0.4	F
9002	18724.23	42 12N	87 13E	80.6	188.8	2.530	20.65	65.8	SO312	.02200	9.0537	0.8	F
9003	18727.03	42 13N	87 13E	74.9	188.8	2.530	21.00	65.8	SO312	.02200	9.2105	1.0	V
9004	18746.43	40 51N	87 5E	84.9	188.6	2.390	27.65	66.9	SO312	.03070	8.6576	1.0	V
9005	19111.63	15 53N	80 30E	81.6	186.8	3.439	-17.50	71.2	SO312	.03070	8.9712	0.8	V
9006	19114.63	15 53N	80 29E	82.6	186.8	3.439	-17.15	71.2	SO312	.03070	8.7731	0.8	A
9007	19139.03	13 47N	80 15E	81.9	186.7	3.439	-12.60	70.3	SO312	.03070	8.8391	0.6	F
9008	19141.83	13 47N	80 15E	81.0	186.7	3.439	-12.25	70.3	SO312	.03070	9.0455	0.6	V
9009	19143.03	13 42N	80 14E	81.0	186.7	3.439	-12.25	70.2	SO312	.03070	9.0372	0.6	V
9010	19146.03	13 42N	80 13E	82.0	186.7	3.439	-11.90	70.2	SO312	.03070	8.8226	0.6	A
9011	19158.83	12 36N	80 11E	80.6	186.7	3.439	-5.95	69.8	SO312	.03070	9.0867	0.8	V
9012	19161.83	12 36N	80 11E	81.6	186.7	3.439	-5.60	69.8	SO312	.03070	8.8556	0.8	A
659 5001	23747.63	61 44N	72 11E	76.6	193.9	1.690	5.25	48.9	SO312	.03080	9.4838	1.2	F
5002	23762.83	60 44N	71 28E	76.0	193.4	1.826	2.10	49.8	SO312	.04000	9.5581	1.0	F
5003	23768.43	60 43N	71 28E	76.1	193.3	1.690	2.80	49.9	SO312	.04000	9.5498	0.8	A
5004	23830.43	56 8N	69 29E	76.4	191.8	2.037	8.40	54.1	SO312	.04000	9.5166	0.4	F
5005	23850.83	54 54N	69 18E	78.6	191.3	2.037	17.15	55.2	SO312	.03080	9.3517	0.4	V
5006	23853.63	54 54N	69 17E	79.6	191.3	2.037	17.15	55.2	SO312	.03080	9.1289	0.4	A
5007	23897.63	51 42N	66 17E	84.0	190.5	1.826	-29.05	57.6	SO312	.03080	8.6089	0.4	F
5008	23901.23	51 28N	66 8E	85.1	190.5	1.826	-30.45	57.8	SO312	.03080	8.4933	0.6	F
5009	23904.23	51 28N	66 8E	84.0	190.4	2.037	-30.45	57.8	SO312	.03080	8.7409	0.6	V
5010	23908.43	51 10N	66 12E	81.2	190.4	2.037	-26.60	58.1	SO312	.03080	9.0546	0.6	V
5011	23911.43	51 10N	66 12E	82.0	190.3	2.037	-26.25	58.1	SO312	.03080	8.8977	0.6	A
5012	23914.03	50 59N	66 8E	81.9	190.3	2.037	-26.25	58.3	SO312	.03080	8.8977	0.6	A
5013	24113.43	37 19N	62 22E	82.9	188.1	2.738	-28.00	68.4	SO312	.02210	8.7904	0.6	A
5014	24238.23	28 16N	61 10E	75.8	187.4	3.092	-1.40	72.9	SO312	.02210	9.5993	0.6	F
5015	24240.83	28 16N	61 10E	75.0	187.4	3.092	-1.05	72.9	SO312	.02210	9.7892	0.6	V
9001	23837.23	56 3N	69 22E	76.2	191.6	2.037	7.35	54.1	SO312	.03070	9.5241	0.4	A
9002	23998.23	44 34N	66 16E	91.3	189.2	2.181	32.90	64.1	SO312	.02200	7.9973	1.0	F
9003	24001.43	44 34N	66 16E	90.7	189.1	2.181	33.25	64.1	SO312	.02200	8.1211	1.4	V
9004	24005.23	44 32N	66 15E	91.8	189.1	2.181	33.25	64.2	SO312	.02200	7.8900	0.8	A
9005	24163.03	33 26N	62 16E	74.7	187.8	3.092	-1.75	71.0	SO312	.02200	9.7222	1.0	F
9006	24168.43	33 26N	62 16E	74.8	187.8	3.092	-1.05	71.0	SO312	.02200	9.6892	1.0	A
660 5001	29064.23	61 23N	48 5E	86.5	193.7	1.338	-29.75	49.1	SO312	.03080	8.3695	1.0	F
5002	29070.43	61 23N	48 5E	86.2	193.5	1.484	-29.40	49.1	SO312	.03080	8.4438	1.0	A
5003	29095.63	59 13N	49 27E	81.6	192.8	1.826	21.70	51.4	SO312	.03080	9.0133	0.8	V
5004	29098.63	59 13N	49 28E	82.9	192.7	1.826	22.05	51.4	SO312	.03080	8.7739	0.8	A
5005	29105.63	58 45N	49 4E	81.0	192.5	1.690	19.25	51.8	SO312	.03080	8.9720	0.4	A
5006	29124.43	57 4N	48 23E	82.3	192.1	2.037	21.70	53.3	SO312	.03080	8.8482	2.2	F
5007	29143.83	56 10N	46 6E	79.1	191.7	1.826	-22.05	53.8	SO312	.03080	9.2692	0.4	V
5008	29146.63	56 10N	46 6E	80.0	191.6	2.037	-22.05	53.8	SO312	.03080	9.1041	0.6	A
5009	29152.63	55 30N	46 26E	74.6	191.5	2.037	-8.05	54.5	SO312	.04000	9.8552	0.4	V
5010	29155.43	55 30N	46 25E	75.5	191.4	2.037	-7.70	54.5	SO312	.04000	9.6489	0.4	A
5011	29161.83	54 50N	46 32E	74.2	191.3	2.037	1.75	55.2	SO312	.04000	9.8965	0.4	V
5012	29175.43	54 13N	45 15E	81.0	191.1	2.037	-24.15	55.5	SO312	.03080	8.9968	1.0	A
5013	29185.63	53 6N	45 14E	76.7	190.9	2.037	-15.05	56.6	SO312	.03080	9.4590	0.6	F
5014	29188.23	53 7N	45 13E	75.8	190.8	2.037	-15.05	56.6	SO312	.04000	9.6819	0.8	V
5015	29199.03	52 2N	46 11E	81.2	190.6	2.181	20.65	57.8	SO312	.03080	8.9555	0.6	F
5016	29201.43	51 52N	46 7E	81.2	190.6	2.181	20.65	57.9	SO312	.03080	8.9638	0.6	F
5017	29204.23	51 52N	46 7E	80.6	190.6	2.181	21.00	57.9	SO312	.03080	9.1206	0.6	V
5018	29209.43	51 31N	45 58E	80.1	190.5	2.181	20.30	58.2	SO312	.03080	9.1701	0.8	V
5019	29212.43	51 31N	45 58E	81.3	190.4	2.181	20.65	58.2	SO312	.03080	8.9143	0.6	A
5020	29245.63	48 56N	44 32E	75.3	189.9	2.390	5.95	60.3	SO312	.03080	9.6654	0.6	F
5021	29248.23	48 56N	44 32E	74.6	189.9	2.390	6.30	60.3	SO312	.03080	9.8635	0.6	V
5022	29253.23	48 47N	44 29E	75.6	189.8	2.390	7.00	60.4	SO312	.03080	9.6076	0.6	A
5023	29254.63	48 41N	44 28E	75.7	189.8	2.390	7.00	60.5	SO312	.03080	9.5993	1.6	A
5024	29283.03	46 19N	44 12E	81.0	189.5	2.390	20.65	62.6	SO312	.03080	8.9968	0.4	F
5025	29297.83	45 27N	42 42E	77.0	189.3	2.390	-17.50	62.9	SO312	.03080	9.4260	0.6	F
5026	29300.43	45 27N	42 42E	76.1	189.3	2.390	-17.15	62.9	SO312	.03080	9.6571	0.8	V
5027	29314.43	44 14N	43 9E	75.6	189.1	2.530	8.05	64.1	SO312	.03080	9.6324	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
660 5028	29321.03	43 42N	43 31E	83.0	189.0	2.390	23.80	64.7	SO312	.03080	8.7904	0.4	F
5029	29323.83	43 30N	43 29E	83.3	189.0	2.390	24.50	64.9	SO312	.03080	8.7574	0.6	F
5030	29326.83	43 30N	43 29E	82.7	189.0	2.390	24.85	64.9	SO312	.03080	8.8977	0.6	V
5031	29348.43	42 11N	41 40E	77.9	188.8	2.530	-21.35	65.3	SO312	.04000	9.4177	0.6	V
5032	29351.43	42 10N	41 40E	78.9	188.7	2.738	-21.35	65.3	SO312	.04000	9.2444	0.4	A
5033	29356.63	41 36N	41 39E	76.2	188.7	2.530	-17.15	65.7	SO312	.03080	9.6324	0.6	V
5034	29359.43	41 36N	41 40E	77.0	188.7	2.738	-16.80	65.7	SO312	.03060	9.4590	0.8	A
5035	29378.43	39 55N	41 19E	75.9	188.5	2.738	-15.05	66.9	SO312	.03080	9.5663	0.8	F
5036	29383.83	39 55N	41 19E	75.8	188.4	2.738	-14.35	67.0	SO312	.03080	9.5993	0.8	A
5037	29448.03	35 19N	40 10E	76.3	188.0	2.881	-16.45	69.8	SO312	.03080	9.6158	0.6	V
5038	29479.43	32 58N	39 42E	77.1	187.8	2.881	-15.05	71.0	SO312	.03080	9.4095	0.8	F
5039	29482.23	32 58N	39 41E	76.2	187.7	2.881	-14.70	71.0	SO312	.03080	9.6324	0.6	V
5040	30215.63	17 43S	31 4E	102.4	186.8	3.092	10.50	45.5	SO312	.03080	7.0241	0.8	F
5041	30219.23	17 42S	31 5E	101.8	186.8	3.092	11.20	45.5	SO312	.03080	7.1066	0.8	V
5042	30354.83	26 39S	27 6E	143.4	187.3	2.881	-44.45	36.2	SO312	.02210	5.0184	0.8	V
5043	30360.23	26 38S	27 5E	145.3	187.3	3.092	-44.45	36.2	SO312	.02210	4.9276	0.8	A
9001	29092.23	59 14N	49 28E	82.4	192.9	1.826	21.35	51.3	SO312	.03070	8.8391	0.6	F
9002	29095.23	59 14N	49 26E	81.7	192.8	1.826	21.70	51.3	SO312	.03070	9.0124	1.2	V
9003	29099.03	59 11N	49 27E	82.8	192.7	1.826	22.05	51.4	SO312	.03070	8.7731	0.4	A
9004	29131.03	56 40N	47 50E	78.2	191.9	2.037	13.65	53.6	SO312	.03070	9.3013	0.6	F
9005	29133.83	56 40N	47 50E	77.4	191.9	2.037	14.00	53.6	SO312	.04070	9.4911	0.4	V
9006	29216.63	51 13N	46 2E	84.2	190.4	2.181	24.85	58.5	SO312	.03070	8.5915	1.0	A
9007	29226.03	50 14N	45 13E	77.4	190.2	2.390	12.95	59.3	SO312	.03070	9.4003	1.0	F
9008	29231.63	50 14N	45 14E	77.8	190.1	2.181	14.00	59.3	SO312	.03070	9.3343	1.0	A
9009	29255.63	48 37N	44 26E	75.6	189.8	2.390	7.00	60.6	SO312	.03070	9.5984	0.6	A
9010	29265.63	47 40N	43 6E	80.2	189.7	2.181	-23.80	61.0	SO312	.03070	9.0207	0.8	F
9011	29268.43	47 40N	43 7E	79.1	189.6	2.181	-23.45	61.0	SO312	.03070	9.2765	1.0	V
9012	29345.23	42 12N	41 41E	79.0	188.8	2.530	-21.70	65.2	SO312	.02200	9.1610	0.6	E
9013	29348.03	42 12N	41 41E	78.0	188.8	2.530	-21.35	65.3	SO312	.02200	9.4168	0.6	V
9014	29355.43	41 41N	41 40E	76.2	188.7	2.530	-17.15	65.7	SO312	.03070	9.6314	1.8	V
9015	29675.23	19 39N	37 14E	77.9	186.9	3.232	-5.95	72.7	SO312	.04070	9.4003	1.2	V
9016	29919.43	2 34N	34 41E	90.2	186.5	3.232	13.30	63.2	SO312	.03070	8.0303	0.8	F
9017	29922.63	2 34N	34 40E	89.5	186.5	3.232	13.65	63.2	SO312	.03070	8.1541	0.8	V
9018	30220.23	17 47S	31 4E	101.9	186.8	3.092	11.20	45.5	SO312	.03070	7.1060	0.8	V
9019	30224.03	17 47S	31 4E	103.7	186.8	3.092	11.90	45.5	SO312	.03070	6.8584	0.8	A
9020	30335.63	25 44S	28 1E	121.5	187.2	3.092	-31.85	37.4	SO312	.03070	5.8598	0.6	F
9021	30340.03	25 44S	28 1E	119.6	187.2	3.092	-31.15	37.4	SO312	.03070	6.0331	0.6	V
9022	30345.23	26 22S	27 26E	135.3	187.2	2.881	-40.25	36.6	SO312	.02200	5.2408	0.6	F
9023	30350.23	26 22S	27 25E	133.8	187.3	3.092	-40.25	36.6	SO312	.03070	5.3894	0.4	V
661 5001	34070.23	80 38N	58 1E	81.5	222.9	0.438	-11.20	29.8	SO312	.03080	8.9804	0.6	V
5002	34073.23	80 38N	58 1E	82.5	222.1	0.438	-11.20	29.8	SO312	.03080	8.7987	0.6	A
5003	34252.43	69 14N	33 24E	77.5	198.7	1.338	-0.35	41.8	SO312	.05370	9.3600	0.8	F
5004	34255.23	69 14N	33 24E	76.6	198.6	1.338	0.00	41.8	SO312	.05370	9.5746	0.6	V
5005	34257.63	69 5N	33 14E	76.6	198.4	1.338	0.00	41.9	SO312	.05370	9.5828	0.6	V
5006	34260.43	69 5N	33 14E	77.5	198.3	1.338	0.00	41.9	SO312	.05370	9.3765	1.0	A
5007	34271.03	67 50N	33 39E	85.2	197.7	1.484	24.45	43.2	SO312	.04000	8.5428	0.8	F
5008	34277.23	67 49N	33 37E	85.4	197.4	1.338	23.80	43.2	SO312	.04000	8.5098	0.8	A
5009	34280.43	67 37N	33 27E	85.7	197.2	1.338	24.15	43.4	SO312	.04000	8.4685	0.6	A
5010	34397.43	59 25N	27 45E	86.5	193.0	1.826	26.95	51.2	SO312	.03080	8.4273	0.4	F
5011	34400.43	59 25N	27 46E	85.9	192.9	1.826	27.30	51.2	SO312	.03080	8.5758	0.6	V
5012	34404.63	59 23N	27 26E	82.9	192.8	1.826	22.05	51.2	SO312	.03080	8.7739	0.6	A
5013	34416.03	58 25N	26 47E	79.8	192.5	1.826	18.90	52.1	SO312	.04000	9.2114	0.6	V
5014	34418.83	58 26N	26 48E	81.0	192.4	1.826	19.25	52.1	SO312	.03080	8.9720	0.8	A
5015	34425.23	57 41N	25 52E	76.1	192.3	2.037	6.30	52.7	SO312	.04000	9.5581	0.4	F
5016	34435.43	57 8N	24 15E	82.1	192.0	1.826	-25.20	53.0	SO312	.03080	8.8235	0.6	F
5017	34436.63	57 3N	24 13E	82.0	192.0	1.826	-25.20	53.0	SO312	.03080	8.8235	0.6	F
5018	34441.23	56 57N	23 58E	83.8	191.9	1.826	-29.05	53.1	SO312	.03080	8.7492	0.8	V
5019	34444.23	56 57N	23 59E	84.6	191.8	1.826	-28.70	53.1	SO312	.03080	8.6006	0.6	A
5020	34453.63	55 55N	23 24E	87.3	191.6	1.690	-32.20	54.0	SO312	.03080	8.2952	0.6	F
5021	34456.63	55 55N	23 24E	86.0	191.6	1.690	-31.85	54.0	SO312	.03080	8.5346	0.6	V
5022	34464.43	55 21N	23 32E	80.7	191.4	1.826	-24.85	54.5	SO312	.03080	9.0958	0.8	V
5023	34467.43	55 21N	23 32E	81.5	191.4	2.037	-24.85	54.5	SO312	.03080	8.9390	0.8	A
5024	34481.83	53 54N	25 23E	90.5	191.1	1.826	32.90	56.3	SO312	.03080	8.1384	0.6	V
5025	34485.23	53 54N	25 23E	92.0	191.0	1.826	33.25	56.3	SO312	.03080	7.8990	0.6	A
5026	34508.23	52 11N	22 17E	82.8	190.6	1.826	-27.30	57.2	SO312	.03080	8.7409	0.6	F
5027	34511.03	52 11N	22 17E	81.8	190.6	2.037	-27.30	57.2	SO312	.03080	8.9803	1.0	V
5028	34514.43	52 10N	22 16E	82.6	190.5	2.037	-26.95	57.3	SO312	.03080	8.8317	0.6	A
5029	34539.83	49 46N	23 41E	89.3	190.1	2.037	31.15	59.9	SO312	.03080	8.1631	0.8	F
5030	34542.83	49 46N	23 41E	88.7	190.1	2.037	31.50	59.8	SO312	.03080	8.2869	1.0	V
5031	34547.63	49 27N	23 35E	89.1	190.0	2.037	31.85	60.1	SO312	.03080	8.2539	1.6	V
5032	34552.23	49 21N	23 33E	90.4	190.0	1.826	32.20	60.2	SO312	.03080	8.0393	0.4	A
5033	34557.83	48 35N	22 60E	83.9	189.9	2.037	25.20	60.8	SO312	.03080	8.6914	0.6	F
5034	34563.83	48 24N	22 43E	79.6	189.8	2.181	19.95	60.9	SO312	.03080	9.2444	0.6	V
5035	34566.83	48 24N	22 43E	80.8	189.8	2.181	20.30	60.9	SO312	.03080	8.9885	0.6	A
5036	34574.63	47 34N	21 37E	74.4	189.7	2.390	-4.90	61.3	SO312	.03080	9.7644	0.6	F
5037	34577.43	47 34N	21 37E	73.6	189.6	2.390	-4.55	61.3	SO312	.03080	9.9790	0.6	V
5038	34583.83	47 5N	21 56E	75.3	189.6	2.390	9.80	61.9	SO312	.03080	9.7562	0.6	V
5039	34586.63	47 4N	21 56E	76.4	189.5	2.390	10.15	61.9	SO312	.03080	9.5085	0.6	A
5040	34592.83	46 27N	21 50E	76.4	189.5	2.390	12.95	62.4	SO312	.03080	9.6241	0.6	V
5041	34595.63	46 27N	21 50E	77.5	189.4	2.390	13.30	62.4	SO312	.03080	9.3682	0.8	A
5042	34603.03	45 27N	22 16E	90.1	189.3	2.181	31.85	63.4	SO312	.03080	8.1136	0.8	F
5043	34606.23	45 27N	22 16E	89.5	189.3	2.181	32.20	63.4	SO312	.03080	8.2292	0.8	V
5044	34618.03	44 49N	20 28E	75.5	189.2	2.530	-15.40	63.4	SO312	.03080	9.7231	0.4	V
5045	34620.83	44 49N	20 28E	76.4	189.1	2.530	-15.05	63.4	SO312	.03080	9.5333	0.4	A
5046	34626.23	44 18N	19 54E	81.3	189.1	2.390	-27.30	63.6	SO312	.03080	9.0381	0.6	V

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
661 5047	34629.43	44 18N	19 53E	82.2	189.0	2.390	-27.30	63.6	SO312	.03080	8.8647	0.4	A
5048	34635.63	43 51N	19 52E	80.5	189.0	2.530	-24.85	64.0	SO312	.03080	9.0463	0.4	A
5049	34664.63	41 23N	20 6E	74.1	188.7	2.738	3.15	66.2	SO312	.03080	9.4222	0.4	F
5050	34667.23	41 23N	20 6E	73.3	188.7	2.738	3.50	66.2	SO312	.03080	10.0203	0.4	V
5051	34671.43	41 6N	20 4E	74.5	188.6	2.738	5.25	66.4	SO312	.03080	9.8635	0.6	V
5052	35333.23	4 45S	11 50E	108.2	186.5	2.738	29.75	57.5	SO312	.03080	6.6857	0.8	F
5053	35337.23	4 46S	11 51E	108.4	186.5	2.530	30.80	57.5	SO312	.03080	6.7187	0.6	V
9001	34385.23	60 40N	28 14E	83.9	193.3	1.690	23.45	50.0	SO312	.03070	8.6328	0.6	A
9002	34523.83	51 15N	22 34E	74.7	190.4	2.181	-11.55	58.2	SO312	.03070	9.8295	0.6	V
9003	34526.63	51 14N	22 34E	75.6	190.3	2.390	-11.55	58.2	SO312	.03070	9.6149	0.6	A
9004	34817.03	31 10N	16 59E	79.2	187.6	2.881	-21.70	71.6	SO312	.03070	9.2600	0.4	V
9005	35342.83	5 32S	12 17E	131.4	186.5	2.181	43.05	57.1	SO312	.02200	5.5214	1.2	F
9006	35347.43	5 32S	12 17E	131.1	186.5	1.826	43.75	57.1	SO312	.02200	5.5544	1.2	V
9007	35349.43	5 40S	12 16E	131.2	186.5	1.826	43.75	57.0	SO312	.02200	5.5462	0.6	V
9008	35354.43	5 40S	12 16E	134.1	186.5	1.826	44.10	57.0	SO312	.02200	5.3151	0.6	A
662 5001	39828.63	51 32N	0 9W	83.2	190.4	2.037	-29.40	57.8	SO312	.03080	8.8235	0.6	V
5002	39831.63	51 32N	0 9W	84.0	190.4	2.037	-29.05	57.8	SO312	.03080	8.6749	0.8	A
5003	39920.83	44 53N	0 41W	77.8	189.2	2.530	14.35	63.7	SO312	.03080	9.4682	0.6	F
5004	39923.63	44 53N	0 41W	77.1	189.2	2.530	14.70	63.7	SO312	.03080	9.5333	0.4	V
5005	39928.83	44 34N	1 7W	74.2	189.1	2.530	4.55	63.8	SO312	.03080	9.9047	0.6	V
5006	39931.63	44 33N	1 7W	75.2	189.1	2.530	4.90	63.8	SO312	.03080	9.6654	0.4	A
5007	40063.43	35 11N	3 50W	75.2	188.0	2.881	-7.35	70.0	SO312	.03080	9.6489	0.8	F
5008	40066.23	35 10N	3 50W	74.4	188.0	2.881	-7.00	70.0	SO312	.03080	9.8635	0.6	V
9001	40391.03	12 34N	7 56W	82.9	186.7	3.232	8.40	70.0	SO312	.03070	8.7484	0.8	F
9002	40394.03	12 34N	7 56W	82.2	186.7	3.232	8.75	70.0	SO312	.03070	8.8969	0.8	V
663 5001	45333.63	37 45N	25 40W	77.6	188.2	2.738	-18.55	68.3	SO312	.03080	9.3435	0.6	F
5002	45336.23	37 46N	25 40W	76.7	188.2	2.738	-18.20	68.3	SO312	.03080	9.5746	0.6	V
5003	45985.83	7 5S	34 50W	112.0	186.6	3.092	-37.10	54.2	SO312	.02210	6.3968	0.6	F
5004	45994.63	7 7S	34 57W	115.4	186.6	3.439	-39.20	54.1	SO312	.02210	6.2647	0.8	A
5005	45999.63	8 3S	34 52W	108.2	186.6	3.232	-33.60	53.5	SO312	.03080	6.6114	0.6	F
5006	46004.23	8 5S	34 55W	107.7	186.6	3.232	-33.95	53.4	SO312	.02210	6.7352	1.0	V
5007	46008.43	8 6S	34 56W	109.2	186.6	3.439	-33.95	53.4	SO312	.02210	6.6114	0.8	A
9001	46004.23	8 6S	34 55W	107.7	186.6	3.232	-33.95	53.4	SO312	.02200	6.7346	0.8	V
9002	46008.23	8 6S	34 56W	109.1	186.6	3.439	-33.95	53.4	SO312	.02200	6.6108	0.8	A
664 5001	51114.83	5 30N	54 2W	87.0	186.5	3.587	-15.75	64.9	SO312	.03080	8.3035	0.6	A
5002	51218.03	1 56S	54 3W	105.0	186.5	2.530	30.10	59.8	SO312	.02210	6.9415	1.2	V
5003	51228.83	2 23S	54 49W	91.2	186.5	3.439	7.35	59.0	SO312	.03080	7.8660	1.4	A
5004	51250.63	4 15S	55 57W	96.3	186.5	3.587	-23.80	56.9	SO312	.03080	7.4533	1.4	F
5005	51257.23	4 13S	55 59W	97.0	186.5	3.808	-24.15	57.0	SO312	.03080	7.4285	1.2	A
5006	51464.83	18 58S	57 48W	101.7	186.9	3.232	4.55	44.2	SO312	.03080	7.0571	0.8	F
5007	51472.23	18 59S	57 40W	104.1	186.9	3.092	9.80	44.3	SO312	.03080	6.8425	1.0	A
5008	51536.63	23 23S	57 25W	135.0	187.1	1.826	36.40	40.7	SO312	.02210	5.2577	0.4	A
5009	51554.73	25 16S	57 39W	137.7	187.2	2.037	37.10	38.9	SO312	.03080	5.2082	0.8	F
5010	51559.03	25 15S	57 40W	137.0	187.2	1.826	37.45	38.9	SO312	.03080	5.2660	1.0	V
5011	51588.63	27 27S	58 58W	114.7	187.3	2.738	17.15	36.5	SO312	.03080	6.2400	0.8	F
5012	51592.43	27 25S	59 2W	112.7	187.3	2.738	15.75	36.5	SO312	.03080	6.3885	1.0	V
5013	51612.43	29 4S	59 13W	117.5	187.4	2.738	18.90	35.0	SO312	.03080	6.0914	0.8	F
5014	51618.63	29 10S	59 41W	110.3	187.4	2.881	8.05	34.7	SO312	.03080	6.5286	1.0	V
5015	51622.83	29 10S	59 41W	112.1	187.5	2.881	8.40	34.7	SO312	.03080	6.3308	1.0	A
5016	51641.63	30 45S	59 39W	116.5	187.6	2.530	17.15	33.4	SO312	.03080	6.1739	0.6	V
5017	51661.43	31 44S	60 32W	112.3	187.7	3.092	0.00	32.2	SO312	.03080	6.3142	0.6	A
5018	51668.83	32 47S	60 43W	112.4	187.7	3.092	0.35	31.2	SO312	.03080	6.3473	0.4	F
5019	51675.43	32 58S	60 38W	112.3	187.7	2.881	3.85	31.1	SO312	.03080	6.3968	0.6	V
5020	51684.83	33 22S	60 11W	121.0	187.8	2.390	17.50	30.9	SO312	.03080	5.8438	1.0	A
5021	51692.63	33 55S	59 43W	134.6	187.9	1.826	29.75	30.6	SO312	.03080	5.2412	1.4	A
5022	51758.43	38 50S	62 5W	117.7	188.3	2.738	1.40	25.4	SO312	.05370	6.0336	0.8	F
5023	51762.83	38 50S	62 6W	116.8	188.3	2.738	1.75	25.4	SO312	.05370	6.1327	0.6	V
5024	51768.43	38 55S	62 0W	119.3	188.4	2.738	4.55	25.4	SO312	.04000	5.9181	0.8	A
9001	51510.03	22 7S	57 55W	111.0	187.0	2.881	18.20	41.5	SO312	.03070	6.4705	1.4	F
9002	51517.83	22 24S	57 49W	114.2	187.0	2.530	23.10	41.3	SO312	.03070	6.3220	1.4	V
9003	51524.83	22 35S	57 49W	117.0	187.1	2.390	24.15	41.2	SO312	.03070	6.0496	1.4	A
9004	51530.23	22 57S	57 34W	126.6	187.1	2.181	31.50	41.0	SO312	.02200	5.5957	0.6	A
9005	51572.43	26 8S	58 10W	126.7	187.2	2.181	30.80	38.0	SO312	.03070	5.6947	0.6	V
9006	51577.63	26 10S	58 13W	127.5	187.3	2.037	30.10	37.9	SO312	.03070	5.5379	1.4	A
9007	51588.23	27 26S	58 58W	114.7	187.3	2.738	17.15	36.5	SO312	.03070	6.2394	1.4	F
9008	51597.63	27 30S	58 49W	119.6	187.3	2.530	22.05	36.5	SO312	.03070	5.9093	0.4	A
9009	51606.43	28 6S	58 45W	124.8	187.4	2.181	26.60	36.0	SO312	.03070	5.6617	0.8	A
9010	51651.03	31 49S	59 2W	138.7	187.6	2.037	33.95	32.7	SO312	.03070	5.1500	0.6	F
9011	51758.83	38 52S	62 6W	117.8	188.3	2.738	1.40	25.4	SO312	.04070	6.0331	1.0	F
9012	51763.03	38 51S	62 6W	116.8	188.3	2.738	1.75	25.4	SO312	.05390	6.1322	1.0	V
9013	51767.23	38 51S	61 59W	119.2	188.4	2.738	4.55	25.4	SO312	.04070	5.9176	1.4	A
9014	51774.23	39 19S	62 5W	119.7	188.4	2.530	5.25	25.0	SO312	.04070	5.8846	1.4	A
665 5001	56333.83	11 3N	74 47W	82.0	186.6	3.439	-1.75	68.9	SO312	.04000	8.8482	0.8	F
5002	56336.83	11 2N	74 47W	81.2	186.6	3.439	-1.40	68.9	SO312	.04000	9.0133	0.6	V
5003	56346.63	10 26N	75 33W	88.8	186.6	3.439	-26.60	68.0	SO312	.03080	8.2457	0.4	V
5004	56350.03	10 26N	75 33W	89.8	186.6	3.439	-26.25	68.0	SO312	.03080	8.0806	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
665 5005	56364.43	9 18N	74 26W	94.0	186.6	2.738	24.85	68.4	S0312	.02210	7.6431	1.0	A
5006	56388.43	7 39N	74 48W	92.7	186.6	2.881	22.05	67.2	S0312	.02210	7.7669	1.4	A
5007	56410.63	6 9N	75 24W	85.8	186.5	3.232	9.45	65.8	S0312	.03080	8.4108	0.6	A
5008	56419.23	5 9N	75 40W	85.0	186.5	3.439	4.20	65.0	S0312	.03080	8.5181	1.4	F
5009	56424.83	4 47N	75 55W	84.5	186.5	3.439	-2.80	64.6	S0312	.03080	8.5676	0.4	F
5010	56430.63	4 34N	75 40W	85.9	186.5	3.232	9.10	64.6	S0312	.03080	8.5098	0.4	V
5011	56434.63	4 31N	75 45W	86.2	186.5	3.439	6.30	64.5	S0312	.03080	8.3530	1.4	A
5012	56471.83	1 57N	76 3W	89.8	186.5	3.232	12.60	62.7	S0312	.03080	8.0063	1.4	A
5013	56602.63	7 9S	78 28W	95.1	186.6	3.587	-19.25	54.5	S0312	.01660	7.6431	0.4	V
9001	56334.03	11 1N	74 47W	82.0	186.6	3.439	-1.75	68.9	S0312	.03070	8.8474	0.6	F
9002	56336.83	11 2N	74 47W	81.2	186.6	3.439	-1.40	68.9	S0312	.03070	9.0124	0.6	V
9003	56461.63	2 29N	76 36W	86.0	186.5	3.587	-14.00	62.6	S0312	.03070	8.4843	1.0	V
9004	56495.23	0 10N	76 52W	87.0	186.5	3.587	-8.40	60.9	S0312	.03070	8.3852	1.4	V
9005	56661.63	11 46S	77 9W	138.0	186.6	2.037	43.40	51.5	S0312	.02200	5.2408	0.6	F
9006	56672.03	12 4S	78 1W	107.7	186.6	2.738	25.20	50.9	S0312	.03070	6.7346	0.6	V
9007	56676.03	12 3S	78 1W	109.8	186.7	2.530	25.90	50.9	S0312	.02200	6.4953	0.6	A
667 5001	66521.23	40 12N	113 13W	74.2	188.5	2.738	-9.10	66.9	S0312	.02210	9.7727	1.2	F
5002	66526.43	40 12N	113 12W	74.3	188.5	2.738	-8.05	66.9	S0312	.02210	9.7892	1.2	A
5003	66565.63	37 6N	113 35W	75.0	188.2	2.881	4.90	69.1	S0312	.02210	9.7066	0.6	F
5004	66571.03	37 6N	113 36W	75.3	188.1	2.881	5.60	69.1	S0312	.02210	9.6489	0.6	A
5005	66629.83	32 42N	114 36W	76.1	187.7	3.092	5.25	71.5	S0312	.02210	9.5416	0.6	F
5006	66635.43	32 41N	114 36W	76.5	187.7	2.881	6.30	71.5	S0312	.02210	9.4673	0.6	A
9001	66521.03	40 12N	113 13W	74.3	188.5	2.738	-9.10	66.9	S0312	.02200	9.7717	1.2	F
9002	66526.43	40 12N	113 13W	74.2	188.5	2.738	-8.05	66.9	S0312	.02200	9.7882	1.2	A
9003	66565.43	37 7N	113 35W	75.0	188.2	2.881	4.90	69.1	S0312	.02200	9.7057	0.8	F
9004	66570.83	37 7N	113 35W	75.2	188.1	2.881	5.60	69.1	S0312	.02200	9.6479	0.8	A
9005	66629.83	32 41N	114 36W	76.2	187.7	3.092	5.25	71.5	S0312	.02200	9.5406	0.6	F
9006	66635.23	32 42N	114 36W	76.5	187.7	2.881	6.30	71.5	S0312	.02200	9.4664	0.6	A
671 5001	1098.43	57 45N	163 18E	82.7	192.2	1.690	-27.30	52.5	S0312	.03080	8.8730	0.4	V
5002	1101.43	57 45N	163 17E	83.8	192.1	1.690	-27.30	52.5	S0312	.03080	8.6996	0.4	A
9001	1080.23	58 59N	163 44E	84.4	192.6	1.484	-29.05	51.4	S0312	.04070	8.7071	0.4	V
9002	1083.43	58 59N	163 45E	85.0	192.5	1.690	-28.70	51.4	S0312	.04070	8.5585	0.4	A
9003	1086.43	58 34N	163 33E	84.3	192.5	1.484	-29.05	51.7	S0312	.04070	8.7153	0.4	V
9004	1089.63	58 34N	163 34E	84.9	192.4	1.690	-28.70	51.7	S0312	.04070	8.5668	0.4	A
672 9001	6468.03	53 30N	141 3E	77.2	191.0	2.181	11.90	56.6	S0312	.03070	9.4251	0.6	F
9002	6468.83	53 30N	141 3E	76.5	191.0	2.181	12.25	56.6	S0312	.03070	9.6149	0.4	V
9003	6475.23	53 1N	141 14E	80.7	190.8	2.037	21.35	57.0	S0312	.03070	9.1032	0.4	V
9004	6476.23	53 1N	141 14E	81.9	190.8	2.037	21.70	57.1	S0312	.02200	8.8474	0.4	A
9005	6599.23	44 47N	136 27E	88.6	189.1	2.037	-35.70	63.2	S0312	.02200	8.2862	0.4	V
9006	6602.43	44 47N	136 27E	89.3	189.1	2.037	-35.35	63.2	S0312	.02200	8.1541	0.4	A
9007	7298.43	3 41S	128 10E	92.6	186.5	3.232	10.15	57.9	S0312	.03070	7.8075	0.6	F
9008	7301.63	3 40S	128 10E	91.9	186.5	3.232	10.50	57.9	S0312	.03070	7.9313	0.8	V
9009	7305.43	3 42S	128 10E	93.4	186.5	3.232	10.85	57.9	S0312	.03070	7.6755	0.4	A
673 5001	11656.23	61 49N	122 26E	75.1	193.8	1.690	1.05	49.0	S0312	.04000	9.7809	0.6	V
5002	11659.03	61 49N	122 25E	76.0	193.7	1.690	1.05	49.0	S0312	.04000	9.5663	0.6	A
5003	11907.43	44 53N	116 23E	82.8	189.2	2.181	24.15	63.9	S0312	.02210	8.7739	0.4	A
5004	11927.43	43 36N	115 3E	74.1	189.0	2.738	-5.95	64.5	S0312	.03080	9.8222	0.6	A
5005	11984.83	39 27N	114 13E	73.6	188.4	2.738	2.80	67.6	S0312	.03080	9.9790	0.6	V
5006	11987.63	39 27N	114 13E	74.7	188.4	2.738	3.15	67.6	S0312	.03080	9.7397	0.6	A
5007	11992.43	39 6N	114 21E	76.3	188.4	2.738	10.85	68.0	S0312	.03080	9.5250	0.4	A
5008	11997.83	38 43N	114 20E	77.5	188.3	2.738	13.65	68.3	S0312	.03080	9.3600	0.4	A
5009	12043.23	35 28N	112 59E	74.0	188.0	2.881	-7.35	69.9	S0312	.03080	9.9295	0.6	V
5010	12046.03	35 28N	112 59E	74.9	188.0	2.881	-7.00	69.9	S0312	.03080	9.7066	0.6	A
5011	12054.03	34 34N	112 28E	78.0	187.9	2.881	-18.90	70.2	S0312	.03080	9.2857	0.6	F
5012	12056.83	34 34N	112 27E	77.3	187.9	2.881	-18.90	70.2	S0312	.03080	9.5003	0.6	V
5013	12058.43	34 28N	112 26E	77.4	187.9	2.881	-18.90	70.3	S0312	.03080	9.4838	0.8	V
5014	12091.23	31 60N	112 8E	75.9	187.7	3.092	-10.50	71.6	S0312	.03080	9.5581	0.4	F
9001	11963.03	40 41N	115 4E	80.3	188.6	2.530	19.60	67.0	S0312	.03070	9.0867	1.4	F
9002	11968.83	40 28N	115 8E	81.7	188.6	2.530	23.80	67.2	S0312	.03070	9.0042	0.6	V
9003	11971.83	40 28N	115 8E	83.0	188.5	2.530	24.15	67.2	S0312	.03070	8.7236	0.6	A
9004	11976.83	39 44N	114 52E	80.7	188.5	2.530	21.70	67.7	S0312	.03070	9.0372	0.4	F
9005	12003.43	38 7N	114 25E	80.5	188.3	2.530	20.65	68.8	S0312	.03070	9.1362	1.2	V
9006	12007.23	38 3N	114 23E	81.5	188.2	2.530	20.65	68.8	S0312	.03070	8.8804	0.4	A
9007	12009.23	37 55N	114 21E	81.1	188.2	2.530	20.65	68.9	S0312	.03070	8.9382	0.6	A
9008	12019.23	36 47N	114 22E	87.4	188.2	2.530	28.35	69.8	S0312	.02200	8.3522	0.8	F
9009	12029.83	36 12N	113 8E	75.3	188.1	2.881	-8.75	69.5	S0312	.02200	9.6397	0.4	F
9010	12033.83	36 18N	113 9E	74.8	188.0	2.881	-8.05	69.4	S0312	.02200	9.7057	0.4	A
9011	12038.63	35 48N	112 55E	74.8	188.0	2.881	-12.60	69.7	S0312	.02200	9.8212	0.8	V
9012	12065.43	33 48N	112 1E	83.3	187.8	2.738	-28.00	70.4	S0312	.03070	8.6823	0.8	F
9013	12068.23	33 49N	112 0E	82.1	187.8	2.738	-28.35	70.4	S0312	.03070	8.9382	0.6	V
9014	12071.63	33 47N	112 1E	83.0	187.8	2.738	-27.30	70.4	S0312	.03070	8.7731	0.6	A
9015	12076.83	33 1N	111 54E	82.3	187.8	2.738	-26.60	70.8	S0312	.02200	8.7896	1.0	F
9016	12085.43	32 25N	111 45E	82.8	187.7	2.738	-26.95	71.1	S0312	.03070	8.7401	0.4	F
9017	12095.43	31 53N	112 9E	75.0	187.7	3.092	-8.40	71.7	S0312	.03070	9.7965	0.4	V
9018	12098.23	31 53N	112 9E	75.9	187.6	3.092	-8.05	71.7	S0312	.03070	9.5654	0.4	A
9019	12376.23	12 13N	109 13E	92.6	186.7	2.881	25.20	70.2	S0312	.02200	7.8570	0.4	F

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
673 9020	12379.43	12 14N	109 13E	92.0	186.7	2.881	25.55	70.2	SO312	.02200	7.9561	0.4	V
9021	12382.63	12 15N	109 13E	93.6	186.7	2.881	25.90	70.2	SO312	.02200	7.6837	0.8	A
9022	12387.03	11 56N	109 10E	93.4	186.6	2.881	25.55	70.0	SO312	.02200	7.7002	0.8	A
674 5001	17246.23	42 51N	93 35E	80.5	188.9	2.390	22.05	65.4	SO312	.03080	9.0133	0.4	A
5002	17447.43	28 55N	89 37E	73.3	187.4	3.092	0.00	72.8	SO312	.03080	10.0203	0.4	V
9001	17227.43	44 12N	93 18E	74.1	189.0	2.530	1.05	64.2	SO312	.03070	9.7965	0.4	A
9002	17438.43	29 23N	89 18E	76.3	187.5	3.092	-17.15	72.4	SO312	.03070	9.4994	0.6	F
9003	17466.03	27 29N	88 54E	77.2	187.3	3.092	-17.50	72.8	SO312	.03070	9.3838	0.4	F
9004	17480.83	26 42N	88 20E	86.0	187.3	2.881	-30.80	72.6	SO312	.03070	8.5173	0.6	V
9005	17484.03	26 42N	88 19E	86.9	187.3	3.092	-30.80	72.6	SO312	.03070	8.3605	0.6	A
9006	17531.03	22 57N	88 30E	78.0	187.1	3.232	2.45	73.5	SO312	.03070	9.3013	0.8	F
9007	17536.63	22 57N	88 30E	78.4	187.1	3.232	3.50	73.5	SO312	.03070	9.2270	0.8	A
9008	18423.83	37 51S	77 33E	121.1	188.2	2.390	14.00	26.4	SO312	.04070	5.9176	0.4	V
9009	18428.43	37 51S	77 33E	123.1	188.3	2.390	14.35	26.5	SO312	.03070	5.7195	0.4	A
675 9001	22492.43	46 43N	72 38E	81.3	189.5	2.390	21.00	62.4	SO312	.02200	8.9547	0.6	F
9002	22498.23	46 29N	72 53E	86.5	189.5	2.181	29.40	62.7	SO312	.03070	8.5090	0.8	V
9003	22501.43	46 29N	72 52E	87.6	189.4	2.181	29.40	62.7	SO312	.03070	8.2779	0.8	A
9004	22507.83	46 4N	72 28E	82.4	189.4	2.181	23.10	63.0	SO312	.03070	8.7731	1.2	A
9005	22513.63	45 39N	72 34E	86.8	189.3	2.037	28.70	63.4	SO312	.03070	8.3357	0.6	A
9006	22545.23	43 15N	70 24E	76.7	188.9	2.530	-17.15	64.7	SO312	.03070	9.4499	0.6	F
9007	22557.03	42 41N	71 34E	83.9	188.8	2.181	25.90	65.6	SO312	.03070	8.6246	0.4	A
9008	22626.83	37 57N	69 48E	76.5	188.2	2.738	10.15	68.7	SO312	.03070	9.4581	0.4	A
9009	22640.43	36 42N	68 55E	75.6	188.1	2.881	-11.90	69.2	SO312	.02200	9.5819	0.8	F
9010	22645.83	36 42N	68 56E	75.5	188.1	2.881	-10.85	69.2	SO312	.02200	9.6067	0.8	A
9011	22673.03	34 34N	69 6E	76.6	187.9	2.738	13.65	70.8	SO312	.03070	9.5902	0.4	V
9012	22675.83	34 34N	69 6E	77.5	187.9	2.738	14.00	70.8	SO312	.03070	9.3343	0.4	A
9013	22814.43	24 52N	66 48E	77.0	187.2	3.092	4.55	73.6	SO312	.03070	9.5241	0.6	V
9014	22817.23	24 52N	66 48E	78.1	187.2	3.092	4.90	73.6	SO312	.03070	9.2600	0.6	A
9015	23468.23	20 7S	57 30E	116.8	186.9	3.232	-31.50	42.5	SO312	.03070	6.0991	1.2	F
9016	23472.43	20 7S	57 30E	115.4	186.9	3.232	-31.15	42.5	SO312	.03070	6.2559	1.2	V
676 5001	27638.83	57 52N	53 17E	77.7	192.3	1.826	-16.45	52.5	SO312	.04000	9.3270	0.4	F
5002	27641.43	57 53N	53 17E	76.7	192.2	1.826	-16.10	52.5	SO312	.04000	9.5663	0.6	V
5003	27651.63	57 3N	54 9E	77.1	192.0	2.037	13.30	53.4	SO312	.04000	9.5333	0.4	V
5004	27654.43	57 3N	54 9E	78.0	191.9	2.037	13.30	53.4	SO312	.04000	9.3104	0.6	A
5005	27777.23	48 41N	49 27E	81.5	189.8	2.181	-27.30	60.3	SO312	.03080	8.9968	0.4	V
5006	27780.23	48 41N	49 27E	82.3	189.8	2.181	-26.95	60.3	SO312	.03080	8.8400	0.4	A
5007	28009.03	32 31N	45 58E	75.8	187.7	3.092	-8.40	71.4	SO312	.03080	9.5663	0.4	F
5008	28011.63	32 32N	45 57E	75.0	187.7	2.881	-8.05	71.4	SO312	.03080	9.7809	0.4	V
5009	28264.83	14 51N	42 57E	82.9	186.7	3.232	10.50	71.2	SO312	.04000	8.7574	0.4	F
5010	28267.83	14 51N	42 57E	82.4	186.7	3.232	11.20	71.3	SO312	.04000	8.8812	0.4	V
5011	28558.03	5 3S	39 6E	90.4	186.5	3.439	-2.80	56.5	SO312	.04000	8.0476	0.4	V
5012	28561.43	5 3S	39 6E	91.7	186.5	3.439	-2.10	56.5	SO312	.04000	7.8247	0.4	A
5013	28673.83	13 7S	39 1E	124.8	186.7	2.181	37.10	50.1	SO312	.02210	5.8107	0.6	V
5014	28678.43	13 6S	39 0E	126.8	186.7	2.181	37.10	50.1	SO312	.02210	5.6127	0.6	A
5015	28776.63	19 47S	34 54E	132.6	186.9	3.092	-42.70	42.5	SO312	.02210	5.4476	1.0	V
5016	28781.43	19 47S	34 54E	134.0	186.9	3.092	-42.35	42.5	SO312	.02210	5.3568	1.0	A
9001	27532.43	65 4N	56 41E	83.9	195.6	1.135	-25.20	45.8	SO312	.03070	8.6163	0.6	F
9002	27535.43	65 4N	56 41E	82.7	195.4	1.338	-25.20	45.9	SO312	.03070	8.8039	0.4	V
9003	27662.23	56 17N	54 16E	82.5	191.8	1.826	23.80	54.2	SO312	.03070	8.9134	0.6	V
9004	27665.23	56 17N	54 17E	83.7	191.7	1.826	24.15	54.2	SO312	.03070	8.6576	0.6	A
9005	27711.63	53 10N	50 44E	85.0	190.8	1.826	-31.15	56.5	SO312	.03070	8.6246	0.8	V
9006	27714.83	53 10N	50 43E	85.8	190.8	2.037	-31.15	56.5	SO312	.03070	8.4760	0.8	A
9007	27730.43	51 40N	52 19E	81.8	190.5	2.037	23.45	58.3	SO312	.03070	8.9794	0.8	V
9008	27733.43	51 40N	52 18E	82.8	190.5	2.037	23.45	58.3	SO312	.03070	8.7484	0.8	A
9009	27872.63	42 4N	48 17E	73.8	188.8	2.738	-6.65	65.7	SO312	.03070	9.9533	0.4	V
9010	27875.63	42 3N	48 16E	74.5	188.7	2.738	-6.65	65.7	SO312	.03070	9.7470	0.6	A
9011	27883.43	41 12N	47 12E	86.5	188.7	2.181	-32.90	65.9	SO312	.03070	8.3440	0.4	F
9012	27890.03	40 53N	47 48E	74.5	188.6	2.738	-12.25	66.5	SO312	.03070	9.8625	0.6	V
9013	27892.83	40 53N	47 48E	75.3	188.6	2.738	-11.90	66.5	SO312	.03070	9.6479	0.6	A
9014	27901.03	39 60N	46 56E	86.1	188.5	2.390	-32.20	66.8	SO312	.03070	8.3935	0.6	F
9015	27906.63	39 50N	46 45E	88.2	188.5	2.390	-35.70	66.8	SO312	.03070	8.3274	0.6	V
9016	27922.43	38 46N	48 15E	81.0	188.3	2.390	22.40	68.4	SO312	.03070	8.9134	0.6	A
9017	27955.43	36 15N	46 16E	81.9	188.1	2.530	-26.25	69.2	SO312	.03070	8.8309	0.6	F
9018	27958.43	36 14N	46 15E	80.9	188.1	2.738	-26.25	69.2	SO312	.03070	9.0785	0.4	V
9019	27965.63	35 32N	46 12E	79.7	188.0	2.738	-23.45	69.6	SO312	.03070	9.0867	0.4	F
9020	27968.43	35 32N	46 12E	78.6	188.0	2.738	-23.10	69.6	SO312	.03070	9.3426	0.4	V
9021	27975.03	35 8N	45 42E	88.2	187.9	2.530	-35.00	69.6	SO312	.03070	8.3109	0.8	V
9022	27978.23	35 8N	45 42E	89.0	187.9	2.530	-34.65	69.6	SO312	.03070	8.1706	0.8	A
9023	28022.63	31 52N	47 5E	96.5	187.6	2.181	35.70	72.6	SO312	.01650	7.4691	1.4	A
9024	28030.23	30 57N	46 24E	82.9	187.6	2.738	21.00	72.6	SO312	.03070	8.7731	1.0	F
9025	28035.23	30 48N	46 26E	83.8	187.6	2.530	23.80	72.7	SO312	.03070	8.7566	0.6	V
9026	28038.43	30 48N	46 26E	85.2	187.6	2.530	24.15	72.7	SO312	.03070	8.4760	0.6	A
9027	28232.63	16 60N	43 44E	89.5	186.8	2.881	25.20	72.6	SO312	.01650	8.1376	0.8	F
9028	28235.83	16 60N	43 44E	88.9	186.8	2.881	25.55	72.6	SO312	.01650	8.2449	0.8	V
9029	28290.83	13 2N	42 45E	86.1	186.7	3.232	15.75	70.4	SO312	.03070	8.4347	1.0	F
9030	28293.83	13 2N	42 45E	85.4	186.7	3.232	16.10	70.4	SO312	.03070	8.5668	1.0	V
9031	28343.63	9 38N	41 51E	82.2	186.6	3.439	4.55	68.1	SO312	.03070	8.8887	0.6	V
9032	28346.83	9 38N	41 51E	83.5	186.6	3.439	5.25	68.1	SO312	.03070	8.6163	0.4	A
9033	28542.43	4 2S	39 39E	92.7	186.5	3.232	11.20	57.6	SO312	.04070	7.8488	0.6	V
9034	28546.03	4 2S	39 39E	94.2	186.5	3.232	11.55	57.6	SO312	.03070	7.5929	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
676 9035	28584.83	6 55S	39 2E	93.0	186.6	3.232	7.00	55.0	SO312	.03070	7.8075	1.2	V
9036	28588.23	6 55S	39 2E	94.5	186.6	3.232	7.35	55.0	SO312	.03070	7.5682	1.2	A
9037	28634.43	10 21S	38 48E	101.1	186.6	2.881	18.90	52.2	SO312	.03070	7.1803	0.6	V
9038	28638.23	10 21S	38 47E	102.9	186.6	2.881	19.25	52.2	SO312	.03070	6.9244	0.6	A
9039	28771.83	19 48S	34 51E	136.5	186.9	2.881	-43.75	42.5	SO312	.03070	5.1996	0.6	F
677 5001	33161.63	43 4N	27 2E	77.1	188.9	2.390	12.60	65.2	SO312	.03080	9.4508	0.4	F
5002	33164.23	43 5N	27 2E	76.4	188.9	2.390	12.95	65.2	SO312	.03080	9.6241	0.6	V
5003	33169.43	42 46N	26 37E	73.8	188.9	2.530	2.45	65.3	SO312	.03080	9.9625	0.6	V
5004	33172.23	42 45N	26 37E	74.8	188.8	2.738	2.45	65.3	SO312	.03080	9.7231	0.6	A
5005	33175.43	42 32N	26 33E	74.9	188.8	2.738	2.45	65.5	SO312	.03080	9.7066	0.6	A
5006	34015.83	15 10S	13 40E	130.3	186.7	3.092	-44.45	46.7	SO312	.02210	5.5631	0.8	V
5007	34020.83	15 10S	13 40E	130.9	186.8	3.092	-43.75	46.7	SO312	.02210	5.5054	0.6	A
9001	32936.23	58 33N	31 18E	79.5	192.5	1.826	-20.30	51.9	SO312	.03070	9.1032	0.4	F
9002	32942.43	58 11N	30 22E	90.3	192.4	1.484	-34.65	52.1	SO312	.03070	7.9973	1.0	F
9003	32945.63	58 11N	30 21E	89.2	192.3	1.484	-34.65	52.1	SO312	.03070	8.2119	0.8	V
9004	32949.03	58 10N	30 20E	90.1	192.2	1.690	-34.65	52.1	SO312	.03070	8.0799	0.6	A
9005	33052.03	50 38N	30 13E	89.3	190.3	1.826	32.20	59.3	SO312	.03070	8.2449	1.0	V
9006	33055.43	50 38N	30 12E	90.4	190.2	1.826	32.20	59.3	SO312	.03070	8.0138	0.8	A
9007	33065.23	49 54N	28 35E	73.6	190.1	2.390	-3.50	59.6	SO312	.03070	9.9946	0.6	V
9008	33073.83	49 26N	27 17E	86.6	190.0	2.037	-33.60	59.6	SO312	.03070	8.4843	0.6	V
9009	33077.03	49 26N	27 17E	87.3	189.9	2.037	-33.25	59.6	SO312	.03070	8.3357	0.6	A
9010	33080.03	49 14N	27 13E	87.6	189.9	2.037	-33.60	59.8	SO312	.03070	8.3169	0.6	A
9011	33093.43	47 46N	28 10E	74.8	189.7	2.530	4.20	61.4	SO312	.03070	9.7222	0.4	F
9012	33096.03	47 46N	28 10E	74.0	189.7	2.530	4.55	61.4	SO312	.03070	9.9285	0.4	V
9013	33102.03	47 12N	27 50E	74.5	189.6	2.530	-0.70	61.8	SO312	.03070	9.7635	0.6	F
9014	33108.03	47 10N	27 36E	74.7	189.5	2.530	-7.00	61.8	SO312	.03070	9.7222	0.6	A
9015	33126.23	45 26N	28 2E	81.5	189.3	2.390	21.35	63.5	SO312	.03070	8.9382	0.6	F
9016	33128.63	45 17N	27 59E	81.5	189.3	2.390	21.35	63.6	SO312	.03070	8.9382	0.6	F
9017	33131.43	45 17N	27 58E	80.6	189.3	2.390	21.35	63.6	SO312	.04070	9.1197	0.6	V
9018	33134.63	45 16N	27 59E	82.2	189.2	2.181	22.40	63.6	SO312	.04070	8.8226	0.4	A
9019	33142.23	44 35N	27 21E	75.3	189.1	2.530	9.45	64.0	SO312	.03070	9.7635	0.6	V
9020	33145.03	44 35N	27 21E	76.3	189.1	2.530	9.80	64.0	SO312	.03070	9.4994	0.4	A
9021	33151.63	43 39N	27 50E	88.7	189.0	2.181	30.45	65.0	SO312	.01650	8.2037	0.8	F
9022	33154.83	43 38N	27 50E	88.1	189.0	2.181	30.80	65.0	SO312	.01650	8.3274	0.8	V
9023	33181.83	41 58N	25 54E	75.3	188.7	2.530	-14.35	65.7	SO312	.03070	9.7552	0.4	V
9024	33184.63	41 57N	25 54E	76.1	188.7	2.738	-14.35	65.7	SO312	.03070	9.5469	0.4	A
9025	33188.43	41 30N	25 39E	76.6	188.7	2.530	-18.55	66.0	SO312	.03070	9.5737	0.4	V
9026	33191.63	41 30N	25 40E	77.4	188.7	2.738	-18.20	66.0	SO312	.03070	9.4003	0.4	A
9027	33197.23	40 53N	25 52E	73.9	188.6	2.738	-6.30	66.6	SO312	.03070	9.9450	0.4	V
9028	33200.03	40 52N	25 52E	74.8	188.6	2.738	-5.95	66.6	SO312	.03070	9.7140	0.4	A
9029	33244.23	37 29N	24 57E	75.4	188.2	2.881	-9.45	68.8	SO312	.04070	9.6232	1.0	F
9030	33249.63	37 29N	24 57E	75.3	188.2	2.881	-8.40	68.8	SO312	.04070	9.6397	1.0	A
9031	33322.43	32 4N	24 2E	76.0	187.7	3.092	2.80	71.8	SO312	.03070	9.5654	0.6	F
9032	33325.23	32 3N	24 2E	75.2	187.7	2.881	3.15	71.8	SO312	.03070	9.7635	1.0	V
9033	33328.43	32 2N	24 1E	76.1	187.7	2.881	3.50	71.8	SO312	.03070	9.5159	0.6	A
9034	33839.23	3 17S	17 23E	89.2	186.5	3.439	0.35	58.1	SO312	.03070	8.1624	0.6	V
9035	33842.63	3 17S	17 23E	90.6	186.5	3.439	1.05	58.1	SO312	.03070	7.9231	0.6	A
9036	33902.23	7 44S	15 16E	119.1	186.6	3.092	-41.65	53.4	SO312	.02200	6.0084	0.6	F
9037	33906.43	7 44S	15 17E	116.8	186.6	3.092	-40.95	53.4	SO312	.02200	6.2229	0.6	V
9038	33926.83	9 31S	16 23E	94.3	186.6	3.439	3.15	52.7	SO312	.03070	7.6425	1.0	F
9039	33930.23	9 31S	16 23E	93.5	186.6	3.439	3.50	52.7	SO312	.03070	7.7745	1.0	V
678 9001	38450.02	44 23N	4 44E	74.5	189.1	2.530	-5.25	64.0	SO312	.03070	9.7470	0.8	F
9002	38455.42	44 23N	4 44E	74.5	189.1	2.530	-4.55	64.0	SO312	.03070	9.7470	0.8	A
9003	38469.03	43 22N	5 22E	83.3	188.9	2.181	24.15	65.1	SO312	.03070	8.6906	0.8	A
9004	38575.82	35 55N	2 46E	74.1	188.0	2.881	1.75	69.9	SO312	.03070	9.9120	0.6	V
9005	38578.62	35 54N	2 45E	75.1	188.0	2.881	2.10	69.9	SO312	.03070	9.6562	0.6	A
680 5001	50049.62	22 53S	53 9W	108.6	187.1	3.439	-18.90	40.1	SO312	.03080	6.5866	1.0	A
9001	49977.22	18 21S	51 18W	102.3	186.9	3.092	10.85	44.7	SO312	.03070	7.0730	0.8	V
9002	49992.22	19 20S	51 49W	100.1	186.9	3.232	0.35	43.7	SO312	.03070	7.2298	0.8	V
9003	50016.22	20 46S	51 15W	116.2	187.0	2.390	25.20	42.7	SO312	.03070	6.0909	1.4	A
9004	50031.42	22 10S	53 19W	114.1	187.0	3.232	-28.00	40.6	SO312	.03070	6.2394	2.6	F
9005	50040.42	22 45S	54 9W	136.6	187.0	2.881	-42.70	39.7	SO312	.02200	5.1996	1.4	F
9006	50054.62	23 46S	53 18W	108.7	187.1	3.232	-18.90	39.3	SO312	.03070	6.5613	1.0	F
9007	50064.22	24 3S	54 11W	127.5	187.1	3.092	-37.80	38.6	SO312	.03070	5.6700	0.8	V
9008	50072.22	24 58S	53 30W	108.8	187.2	3.232	-17.50	38.2	SO312	.03070	6.5531	1.0	F
9009	50087.22	25 56S	51 38W	135.2	187.2	1.826	36.75	38.1	SO312	.02200	5.3316	1.4	V
9010	50096.62	26 11S	52 41W	111.6	187.3	2.738	14.00	37.5	SO312	.03070	6.3467	0.8	A
9011	50100.82	27 3S	52 38W	115.0	187.3	2.738	18.55	36.7	SO312	.03070	6.2229	1.0	F
9012	50105.42	27 5S	52 39W	114.4	187.3	2.530	19.25	36.7	SO312	.03070	6.2972	1.4	V
9013	50112.82	27 38S	52 15W	127.1	187.3	2.181	30.45	36.4	SO312	.03070	5.6700	0.8	V
9014	50125.22	28 37S	53 35W	108.7	187.4	3.092	1.40	35.0	SO312	.03070	6.5696	0.4	F
9015	50130.22	28 41S	53 39W	107.7	187.4	3.092	0.70	34.9	SO312	.03070	6.6851	1.0	V
9016	50139.42	29 5S	53 12W	115.2	187.5	2.530	15.40	34.8	SO312	.03070	6.1404	1.4	A
9017	50267.42	37 43S	57 24W	137.8	188.2	2.881	-35.35	25.7	SO312	.03070	5.1996	0.4	V
9018	50272.62	37 43S	57 25W	139.6	188.3	3.092	-35.35	25.7	SO312	.03070	5.0923	0.4	A
681 9001	54850.82	11 12N	68 25W	81.8	186.6	3.232	4.20	69.1	SO312	.03070	8.9382	1.0	V
9002	54860.02	10 30N	68 0W	91.9	186.6	2.738	24.50	69.1	SO312	.03070	7.9561	0.4	V
9003	54863.42	10 31N	68 0W	93.4	186.6	2.738	24.85	69.1	SO312	.03070	7.6837	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG Nm	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
681 9004	54875.22	9 35N	69 14W	84.2	186.6	3.439	-17.15	67.6	SO312	.03070	8.6823	0.8	V
9005	54881.82	9 19N	69 5W	83.5	186.6	3.587	-9.45	67.6	SO312	.03070	8.6411	1.4	A
9006	55029.42	1 8S	69 59W	99.1	186.5	2.738	24.85	60.3	SO312	.02200	7.3453	1.0	V
9007	55043.42	2 13S	71 3W	89.3	186.5	3.587	-8.05	58.8	SO312	.03070	8.0716	1.0	F
9008	55055.02	2 38S	70 8W	105.3	186.5	2.530	28.70	59.1	SO312	.02200	6.7841	0.8	A
9009	55077.02	4 9S	69 55W	124.2	186.5	1.826	40.60	58.1	SO312	.02200	5.7360	2.2	A
682 5001	59694.82	42 33N	83 8W	85.8	188.9	2.390	27.30	65.8	SO312	.02210	8.5016	3.8	F
5002	59702.42	42 27N	83 9W	86.7	188.8	2.181	28.35	65.9	SO312	.02210	8.3612	3.8	A
9001	59694.82	42 33N	83 8W	85.8	188.9	2.390	27.30	65.8	SO312	.02200	8.5008	3.6	F
9002	59702.42	42 27N	83 9W	86.7	188.8	2.181	28.35	65.9	SO312	.02200	8.3605	3.6	A
9003	60067.02	17 3N	89 17W	82.1	186.8	3.232	10.85	72.2	SO312	.03070	8.8639	0.8	F
9004	60069.82	17 3N	89 17W	81.4	186.8	3.232	11.20	72.2	SO312	.03070	9.0124	0.8	V
683 5001	65107.62	35 11N	107 53W	74.2	188.0	2.881	2.45	70.3	SO312	.02210	9.7974	0.6	F
5002	65113.02	35 11N	107 53W	74.6	187.9	2.881	3.50	70.3	SO312	.02210	9.7397	0.6	A
5003	65149.02	32 21N	108 41W	74.7	187.7	3.092	-3.50	71.6	SO312	.02210	9.7231	0.6	F
5004	65154.42	32 21N	108 41W	74.9	187.7	3.092	-2.80	71.6	SO312	.02210	9.6984	0.6	A
9001	65107.62	35 11N	107 54W	74.3	188.0	2.881	2.45	70.3	SO312	.02200	9.7965	0.6	F
9002	65112.82	35 11N	107 53W	74.5	187.9	2.881	3.50	70.3	SO312	.02200	9.7387	0.8	A
9003	65148.82	32 22N	108 41W	74.8	187.7	3.092	-3.50	71.6	SO312	.02200	9.7222	0.8	F
9004	65154.22	32 22N	108 41W	74.9	187.7	3.092	-2.80	71.6	SO312	.02200	9.6974	0.6	A
688 9001	5937.62	12 14S	133 20E	106.8	186.7	2.738	23.80	50.5	SO312	.03070	6.7924	1.0	V
9002	5941.62	12 14S	133 20E	108.8	186.7	2.530	24.50	50.5	SO312	.02200	6.5448	1.2	A
689 9001	10158.02	62 0N	129 40E	80.5	194.1	1.690	18.20	49.0	SO312	.03070	9.0290	0.6	F
9002	10160.82	62 0N	129 40E	79.8	194.0	1.690	18.55	49.0	SO312	.03070	9.2105	0.6	V
9003	10381.62	47 13N	123 50E	93.3	189.6	1.826	35.00	62.3	SO312	.02200	7.7662	0.6	A
9004	10397.62	46 0N	122 32E	75.4	189.4	2.530	11.20	63.0	SO312	.03070	9.7470	0.4	V
9005	10400.22	46 1N	122 32E	76.5	189.3	2.530	11.55	63.0	SO312	.03070	9.4829	0.6	A
9006	10452.22	42 1N	121 51E	83.7	188.8	2.390	25.20	66.3	SO312	.03070	8.7071	0.6	F
9007	10457.42	42 6N	121 31E	78.0	188.7	2.530	15.05	66.1	SO312	.02200	9.2848	0.4	A
9008	10461.42	41 27N	121 13E	76.3	188.7	2.738	10.50	66.5	SO312	.02200	9.5324	0.6	F
9009	10465.42	41 33N	121 13E	76.3	188.7	2.530	10.15	66.4	SO312	.02200	9.4994	0.8	A
9010	10468.42	41 10N	121 7E	75.5	188.6	2.738	10.15	66.7	SO312	.03070	9.7387	0.4	V
9011	10471.62	40 46N	120 60E	76.0	188.6	2.738	9.10	67.0	SO312	.04070	9.5654	0.8	F
9012	10474.42	40 45N	120 60E	75.3	188.6	2.738	9.45	67.0	SO312	.04070	9.7552	0.8	V
9013	10484.02	40 1N	119 46E	81.0	188.5	2.530	-25.55	67.0	SO312	.02200	8.9299	0.6	F
9014	10487.02	40 0N	119 44E	80.3	188.5	2.530	-25.90	67.0	SO312	.02200	9.1362	0.8	V
9015	10490.02	39 60N	119 44E	81.2	188.5	2.738	-25.90	67.0	SO312	.02200	8.9629	0.8	A
9016	10504.62	38 49N	121 12E	89.9	188.3	2.181	31.50	68.6	SO312	.02200	8.0303	0.4	A
9017	10505.62	38 45N	121 11E	89.9	188.3	2.181	31.50	68.7	SO312	.02200	8.0386	0.6	A
9018	10514.02	37 44N	120 59E	90.9	188.3	2.390	32.20	69.4	SO312	.02200	8.0056	0.4	F
9019	10521.62	37 42N	120 14E	76.8	188.2	2.738	10.50	69.0	SO312	.03070	9.4251	0.4	A
9020	10532.42	36 41N	118 53E	83.2	188.1	2.530	-28.35	69.0	SO312	.02200	8.6906	0.6	F
9021	10541.82	36 10N	119 32E	74.0	188.1	2.881	-1.40	69.8	SO312	.03070	9.9285	0.4	V
9022	10546.02	36 4N	119 27E	74.9	188.0	2.881	-3.50	69.8	SO312	.02200	9.6892	1.0	A
9023	10554.02	35 30N	119 24E	74.8	188.0	2.881	-0.70	70.1	SO312	.03070	9.6892	0.4	A
9024	10559.42	35 8N	119 20E	75.0	187.9	2.881	0.35	70.4	SO312	.03070	9.6727	0.4	A
9025	10567.02	34 30N	118 30E	80.2	187.9	2.738	-24.85	70.2	SO312	.02200	9.1527	1.0	V
9026	10571.02	34 26N	118 24E	82.6	187.9	2.738	-26.95	70.2	SO312	.02200	8.8144	0.6	A
9027	10574.02	34 1N	118 20E	81.6	187.8	2.738	-26.95	70.4	SO312	.03070	8.9959	0.6	V
9028	10588.82	32 48N	118 2E	83.5	187.7	2.738	-28.35	71.0	SO312	.03070	8.6576	0.6	F
9029	10600.42	32 7N	118 47E	75.2	187.7	2.881	4.55	71.9	SO312	.03070	9.7635	0.6	V
9030	10603.22	32 7N	118 47E	76.2	187.7	2.881	4.90	71.9	SO312	.03070	9.4994	0.6	A
9031	10611.02	31 25N	118 25E	74.7	187.6	3.092	-3.85	72.0	SO312	.02200	9.8295	0.6	V
9032	10615.82	31 16N	118 23E	75.7	187.6	3.092	-3.15	72.1	SO312	.03070	9.5819	0.6	A
9033	10630.82	29 54N	117 37E	80.3	187.5	2.881	-22.05	72.2	SO312	.03070	9.0124	0.8	F
9034	10639.42	29 19N	117 16E	85.4	187.5	2.738	-29.75	72.1	SO312	.03070	8.4595	1.2	F
9035	10645.62	29 19N	117 15E	85.0	187.4	2.881	-29.05	72.2	SO312	.03070	8.5503	1.0	A
9036	10653.62	28 29N	117 49E	75.2	187.4	3.092	-3.15	73.0	SO312	.03070	9.7552	0.4	V
9037	10656.42	28 28N	117 48E	76.2	187.4	3.092	-2.80	73.0	SO312	.03070	9.5076	0.4	A
9038	10666.82	27 44N	118 0E	78.8	187.3	2.881	11.20	73.4	SO312	.03070	9.1775	0.8	A
9039	10673.82	26 47N	118 16E	87.4	187.3	2.738	25.90	73.9	SO312	.03070	8.3357	0.4	F
9040	10679.62	26 36N	118 11E	85.7	187.3	2.738	25.20	74.0	SO312	.03070	8.5503	0.4	V
9041	10686.62	25 56N	117 54E	82.9	187.2	2.881	19.95	73.9	SO312	.03070	8.7814	0.4	F
9042	10705.42	24 38N	117 40E	84.4	187.2	2.881	21.00	74.0	SO312	.02200	8.6328	1.2	F
9043	10709.02	24 35N	117 39E	83.6	187.2	2.881	21.00	74.0	SO312	.02200	8.7814	0.6	V
9044	10713.02	24 32N	117 35E	83.1	187.1	2.881	19.95	74.0	SO312	.03070	8.6906	1.2	A
9045	10916.02	10 25N	114 22E	81.5	186.6	3.439	-4.20	68.4	SO312	.03070	8.9629	1.0	V
9046	10919.22	10 24N	114 22E	82.6	186.6	3.439	-3.85	68.4	SO312	.03070	8.7318	0.8	A
9047	11021.02	3 12N	113 3E	85.3	186.5	3.439	-5.95	63.2	SO312	.03070	8.5585	0.6	V
9048	11024.22	3 12N	113 3E	86.4	186.5	3.439	-5.25	63.2	SO312	.03070	8.3274	0.6	A
9049	11163.82	6 47S	110 51E	97.7	186.5	3.439	-22.40	54.6	SO312	.03070	7.3453	0.6	F
9050	11167.22	6 46S	110 52E	96.4	186.6	3.439	-21.70	54.6	SO312	.03070	7.5434	0.6	V
9051	11177.82	7 35S	111 27E	92.8	186.6	3.232	4.55	54.3	SO312	.02200	7.8323	1.0	V
9052	11181.42	7 35S	111 26E	94.1	186.6	3.439	4.55	54.3	SO312	.02200	7.6012	0.8	A
690 9001	15555.82	56 25N	103 10E	76.6	191.7	2.037	-15.40	54.0	SO312	.03070	9.4911	0.4	A
9002	15590.62	52 55N	103 28E	85.2	190.9	2.037	26.95	57.4	SO312	.02200	8.5503	0.4	F

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
690 9003	15601.62	52 55N	103 28E	84.5	190.8	2.037	27.30	57.4	SO312	.02200	8.6988	0.4	V
9004	15607.02	52 45N	103 36E	89.7	190.7	1.826	31.65	57.6	SO312	.03070	8.0799	0.4	A
9005	15766.22	42 4N	98 21E	77.2	188.7	2.530	-19.95	65.7	SO312	.03070	9.4086	0.4	A
9006	15778.62	40 39N	99 26E	85.0	188.6	2.530	26.95	67.3	SO312	.03070	8.5585	0.4	F
9007	15784.02	40 26N	99 47E	95.1	188.6	2.181	37.10	67.6	SO312	.02200	7.7085	0.8	V
9008	15787.62	40 26N	99 47E	96.8	188.5	1.826	37.80	67.7	SO312	.02200	7.4444	0.8	A
9009	15829.02	37 36N	96 50E	84.9	188.2	2.530	-33.25	68.4	SO312	.02200	8.7649	0.6	V
9010	15832.22	37 36N	96 50E	84.3	188.2	2.530	-32.55	68.4	SO312	.02200	8.6246	0.6	A
9011	15990.62	26 46N	94 11E	98.8	187.3	2.738	-41.30	72.3	SO312	.01650	7.3701	1.0	A
691 9001	20664.22	69 22N	88 13E	86.2	198.7	0.995	-27.65	41.9	SO312	.04070	8.3852	0.6	F
9002	20667.22	69 22N	88 13E	85.2	198.5	0.995	-27.65	41.9	SO312	.04070	8.6081	0.6	V
9003	20826.42	58 21N	82 53E	75.9	192.5	2.037	7.00	52.4	SO312	.03070	9.5737	0.4	F
9004	20829.02	58 21N	82 54E	75.1	192.4	2.037	7.35	52.4	SO312	.03070	9.7800	0.6	V
9005	20918.22	52 41N	80 12E	74.7	190.6	2.181	2.80	57.5	SO312	.03070	9.7222	0.4	A
9006	20942.02	50 34N	79 12E	74.4	190.3	2.390	-6.65	59.1	SO312	.03070	9.7552	0.6	F
9007	20944.82	50 33N	79 12E	73.6	190.2	2.390	-6.30	59.1	SO312	.03070	9.9863	0.6	V
9008	20957.42	49 46N	78 7E	81.6	190.0	2.037	-28.35	59.6	SO312	.03070	8.9959	0.8	V
9009	20960.42	49 46N	78 7E	82.4	190.0	2.037	-28.00	59.6	SO312	.03070	8.8304	0.8	A
9010	21022.62	45 7N	78 29E	81.8	189.2	2.181	24.15	63.9	SO312	.02200	8.9959	0.4	V
9011	21025.62	45 7N	78 30E	83.0	189.2	2.181	24.50	63.9	SO312	.02200	8.7236	0.4	A
9012	21031.42	44 24N	77 46E	75.2	189.1	2.390	9.10	64.3	SO312	.02200	9.6809	0.6	F
9013	21034.02	44 24N	77 46E	74.4	189.1	2.390	9.45	64.3	SO312	.03070	9.8708	0.6	V
9014	21042.02	44 55N	77 2E	74.9	189.0	2.530	-10.85	64.4	SO312	.03070	9.9285	0.6	V
9015	21044.82	43 55N	77 1E	74.8	189.0	2.530	-10.50	64.4	SO312	.02200	9.7140	0.6	A
9016	21049.62	43 22N	77 9E	73.1	188.9	2.530	-1.40	64.9	SO312	.03070	10.0606	0.6	V
9017	21052.42	43 22N	77 9E	74.0	188.9	2.738	-1.40	64.9	SO312	.03070	9.8130	0.6	A
9018	21057.42	42 39N	77 5E	73.8	188.9	2.738	2.45	65.5	SO312	.02200	9.8543	0.4	F
9019	21066.62	42 29N	76 12E	79.3	188.8	2.530	-24.50	65.3	SO312	.02200	9.1775	0.4	A
9020	21104.42	39 25N	76 12E	74.0	188.4	2.738	1.05	67.8	SO312	.03070	9.8212	0.8	F
9021	21109.62	39 25N	76 12E	74.2	188.4	2.738	1.75	67.8	SO312	.03070	9.7717	0.8	A
9022	21204.02	32 26N	75 31E	92.7	187.7	2.390	32.90	72.4	SO312	.02200	7.8653	0.6	F
9023	21207.22	32 26N	75 31E	92.1	187.7	2.390	33.25	72.4	SO312	.02200	7.9643	0.6	V
9024	21219.82	31 30N	74 15E	75.6	187.6	3.092	-2.80	72.0	SO312	.02200	9.6067	0.8	F
9025	21225.22	31 30N	74 16E	75.8	187.6	3.092	-1.75	72.0	SO312	.02200	9.5654	0.8	A
9026	21239.42	30 13N	74 60E	92.0	187.5	2.390	32.55	73.3	SO312	.02200	7.9726	0.6	V
9027	21242.82	30 13N	74 60E	93.8	187.5	2.181	33.25	73.3	SO312	.02200	7.7002	0.8	A
9028	21295.22	26 20N	73 4E	76.9	187.3	3.232	-7.35	73.3	SO312	.02200	9.4334	1.6	F
9029	21300.82	26 19N	73 4E	76.9	187.2	3.232	-6.30	73.3	SO312	.02200	9.4168	1.4	A
9030	21390.62	19 51N	72 40E	89.0	186.9	2.738	25.90	73.5	SO312	.02200	8.2284	0.6	V
9031	21393.82	19 51N	72 40E	90.7	186.9	2.530	26.60	73.6	SO312	.02200	7.9478	0.6	A
692 9001	25997.02	67 60N	64 44E	87.4	197.2	1.135	-30.10	43.2	SO312	.02200	8.3192	0.4	A
9002	26000.62	67 34N	64 9E	89.3	197.0	1.135	-33.25	43.6	SO312	.02200	8.2284	0.6	V
9003	26003.82	67 34N	64 10E	90.0	196.9	1.135	-32.90	43.6	SO312	.02200	8.0881	0.6	A
9004	26120.22	59 12N	60 33E	75.5	192.8	1.826	-8.05	51.5	SO312	.04070	9.6067	0.6	F
9005	26129.22	58 39N	59 38E	80.2	192.6	1.690	-22.40	51.9	SO312	.03070	9.0372	0.8	F
9006	26132.02	58 40N	59 38E	79.0	192.5	1.690	-22.05	51.9	SO312	.04070	9.2931	0.8	V
9007	26138.42	57 58N	60 7E	74.8	192.3	2.037	-4.55	52.7	SO312	.04070	9.6974	0.8	F
9008	26139.82	57 52N	60 4E	74.8	192.3	2.037	-4.55	52.8	SO312	.04070	9.6974	0.4	F
9009	26143.82	57 58N	60 7E	74.8	192.2	2.037	-3.85	52.7	SO312	.04070	9.7057	1.8	A
9010	26152.42	57 5N	60 43E	79.5	192.0	1.826	19.60	53.6	SO312	.03070	9.2600	0.4	V
9011	26155.22	57 5N	60 43E	80.6	192.0	1.826	19.95	53.6	SO312	.03070	9.0042	0.6	A
9012	26160.62	56 42N	60 47E	83.7	191.8	1.826	24.85	54.0	SO312	.02200	8.6576	0.6	A
9013	26164.42	56 14N	60 38E	83.8	191.8	1.826	26.25	54.4	SO312	.03070	8.7814	0.8	V
9014	26167.42	56 14N	60 39E	85.1	191.7	1.826	26.60	54.4	SO312	.03070	8.5255	1.0	A
9015	26177.82	55 10N	59 55E	80.9	191.5	2.037	21.00	55.3	SO312	.03070	8.9959	0.6	F
9016	26180.62	55 10N	59 54E	80.0	191.4	2.037	21.00	55.3	SO312	.03070	9.1858	0.6	V
9017	26183.62	55 10N	59 54E	81.1	191.4	1.826	21.35	55.3	SO312	.03070	8.9464	0.6	A
9018	26209.22	53 27N	58 59E	78.7	190.9	2.037	16.45	56.8	SO312	.03070	9.2105	0.8	A
9019	26239.82	51 26N	57 35E	74.3	190.4	2.181	-0.35	58.4	SO312	.03070	9.7717	0.4	A
9020	26252.82	50 20N	57 24E	73.9	190.2	2.390	4.55	59.4	SO312	.03070	9.9450	0.4	V
9021	26256.62	50 17N	57 14E	74.4	190.1	2.390	0.70	59.4	SO312	.03070	9.7635	0.4	A
9022	26271.02	48 44N	58 6E	94.1	189.9	2.037	35.35	61.1	SO312	.03070	7.7580	0.6	F
9023	26274.22	48 44N	58 5E	93.2	189.9	1.826	35.70	61.1	SO312	.03070	7.8735	0.6	V
9024	26277.02	48 33N	58 2E	93.6	189.9	1.826	36.05	61.3	SO312	.03070	7.8323	0.6	V
9025	26280.62	48 32N	58 2E	95.2	189.8	1.826	36.40	61.3	SO312	.03070	7.5764	0.4	A
9026	26345.02	43 55N	54 51E	75.3	189.0	2.530	-13.65	64.4	SO312	.03070	9.6314	0.8	F
9027	26350.42	43 55N	54 51E	75.1	189.0	2.530	-12.95	64.4	SO312	.03070	9.6644	0.8	A
9028	26411.62	39 27N	54 27E	76.7	188.4	2.530	13.30	67.9	SO312	.03070	9.5819	0.4	V
9029	26414.42	39 27N	54 27E	77.8	188.4	2.530	13.65	67.9	SO312	.03070	9.3096	0.6	A
9030	26448.22	36 52N	54 28E	90.3	188.1	2.181	33.25	70.0	SO312	.03070	8.1541	0.6	V
9031	26451.62	36 52N	54 28E	91.8	188.1	2.181	33.60	70.0	SO312	.02200	7.8735	0.6	A
9032	26509.02	32 41N	51 40E	84.0	187.7	2.738	-29.40	71.0	SO312	.03070	8.6081	1.2	F
9033	26515.02	32 41N	51 40E	83.6	187.7	2.881	-28.70	71.0	SO312	.03070	8.6988	1.2	A
9034	26552.42	29 39N	51 39E	75.8	187.5	3.092	-7.35	72.6	SO312	.03070	9.5654	0.6	F
9035	26555.22	29 39N	51 38E	75.0	187.5	3.092	-7.00	72.6	SO312	.03070	9.7882	0.6	V
9036	26602.42	26 14N	50 36E	80.5	187.3	3.092	-20.30	73.0	SO312	.03070	8.9877	0.8	F
9037	26608.22	26 14N	50 37E	80.2	187.2	3.232	-19.25	73.0	SO312	.03070	9.0455	0.8	A
9038	26883.82	6 49N	47 27E	84.2	186.6	3.439	-3.15	65.9	SO312	.01650	8.5833	1.0	F
9039	26887.02	6 48N	47 26E	83.5	186.6	3.439	-3.50	65.9	SO312	.03070	8.7484	0.6	V
9040	26890.02	6 49N	47 25E	84.6	186.5	3.439	-3.15	65.9	SO312	.03070	8.5090	0.6	A
693 9001	31178.42	75 0N	56 49E	88.9	206.8	0.995	26.95	36.3	SO312	.03070	8.1624	2.2	F
9002	31184.02	75 5N	56 35E	86.5	206.1	0.787	24.15	36.2	SO312	.03070	8.3770	5.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
693 9003	31308.62	67 5N	44 18E	76.2	196.9	1.484	7.00	44.2	SO312	.03070	9.6397	0.4	V
9004	31311.42	67 6N	44 18E	77.1	196.8	1.484	7.00	44.2	SO312	.02200	9.4168	0.4	A
9005	31346.82	64 32N	40 46E	80.7	195.3	1.338	-21.35	46.5	SO312	.04070	8.9712	0.8	F
9006	31348.42	64 26N	40 42E	80.7	195.2	1.338	-21.35	46.6	SO312	.04070	8.9712	0.4	F
9007	31351.62	64 24N	40 44E	79.2	195.1	1.338	-20.30	46.7	SO312	.03070	9.2600	0.4	V
9008	31354.42	64 24N	40 44E	80.0	195.0	1.338	-19.95	46.7	SO312	.03070	9.0785	0.6	A
9009	31366.82	63 5N	40 58E	75.5	194.5	1.690	-8.35	48.0	SO312	.04070	9.6067	0.8	F
9010	31369.62	63 5N	40 58E	74.7	194.4	1.690	0.00	48.0	SO312	.04070	9.8377	0.8	V
9011	31374.62	62 47N	40 24E	75.0	194.3	1.690	-8.05	48.2	SO312	.04070	9.7862	0.4	V
9012	31377.22	62 48N	40 22E	76.0	194.2	1.690	-8.40	48.2	SO312	.04070	9.5571	0.8	A
9013	31390.22	61 40N	40 24E	75.1	193.8	1.826	5.95	49.3	SO312	.04070	9.7882	0.4	V
9014	31393.02	61 40N	40 24E	76.0	193.7	1.826	6.30	49.3	SO312	.04070	9.5489	0.4	A
9015	31450.22	57 52N	37 51E	75.0	192.2	2.037	-7.00	52.7	SO312	.04070	9.6727	0.4	A
9016	31456.22	57 15N	37 55E	74.0	192.8	2.037	1.40	53.4	SO312	.04070	9.9285	0.4	V
9017	31459.02	57 14N	37 55E	74.9	192.9	2.037	1.75	53.4	SO312	.04070	9.6892	0.4	A
9018	31466.02	56 17N	38 20E	81.2	191.8	2.037	21.00	54.3	SO312	.03070	8.9629	1.4	F
9019	31471.02	56 21N	38 21E	81.6	191.7	1.826	21.70	54.3	SO312	.03070	8.8887	1.8	A
9020	31476.22	55 35N	38 9E	83.3	191.6	2.037	24.15	55.0	SO312	.03070	8.7401	0.4	F
9021	31479.02	55 35N	38 9E	82.5	191.6	1.826	24.50	55.0	SO312	.03070	8.9217	0.6	V
9022	31482.02	55 36N	38 10E	83.7	191.5	1.826	24.85	55.0	SO312	.03070	8.6658	0.8	A
9023	31487.02	55 5N	37 41E	79.0	191.4	2.037	18.90	55.4	SO312	.03070	9.3013	0.4	V
9024	31490.02	55 4N	37 41E	80.2	191.3	1.826	19.60	55.4	SO312	.03070	9.0372	0.4	A
9025	31496.22	54 11N	37 51E	88.6	191.2	2.037	30.45	56.3	SO312	.03070	8.2202	0.6	F
9026	31499.42	54 10N	37 52E	88.1	191.2	1.826	31.15	56.3	SO312	.03070	8.3605	0.4	V
9027	31512.62	53 43N	35 31E	79.2	190.9	2.037	-22.05	56.3	SO312	.03070	9.1775	0.6	A
9028	31518.42	53 10N	34 56E	83.8	190.8	1.826	-30.45	56.7	SO312	.03070	8.7649	0.6	V
9029	31521.42	53 10N	34 57E	84.4	190.8	2.037	-30.10	56.7	SO312	.03070	8.6081	0.6	A
9030	31562.42	49 58N	33 39E	89.7	190.1	1.826	-35.70	59.3	SO312	.03070	8.6716	0.8	F
9031	31565.62	49 58N	33 39E	88.3	190.1	1.826	-35.35	59.3	SO312	.03070	8.3274	0.8	V
9032	31569.42	49 29N	33 33E	88.6	190.0	1.826	-34.65	59.7	SO312	.03070	8.1706	6.2	F
9033	31579.02	49 16N	33 27E	88.8	189.9	2.037	-35.00	59.9	SO312	.03070	8.1871	4.8	A
9034	31590.62	48 25N	33 32E	82.1	189.7	2.181	-27.30	60.7	SO312	.03070	8.8474	0.8	A
9035	31601.02	47 33N	34 36E	76.6	189.6	2.390	11.90	61.8	SO312	.03070	9.4581	1.0	A
9036	31613.62	46 47N	33 27E	76.4	189.5	2.390	-16.10	62.1	SO312	.03070	9.5076	0.6	A
9037	31623.42	45 36N	34 17E	80.2	189.3	2.390	19.60	63.5	SO312	.03070	9.0785	0.6	F
9038	31626.22	45 36N	34 17E	79.5	189.3	2.390	19.95	63.5	SO312	.03070	9.2435	0.6	V
9039	31630.02	45 21N	34 7E	78.0	189.3	2.390	17.15	63.6	SO312	.03070	9.4251	0.8	V
9040	31633.02	45 21N	34 7E	79.1	189.2	2.390	17.50	63.6	SO312	.03070	9.1527	0.8	A
9041	31638.42	44 38N	33 33E	75.1	189.2	2.530	5.95	64.1	SO312	.04070	9.6809	0.8	F
9042	31641.22	44 38N	33 33E	74.3	189.1	2.530	6.30	64.1	SO312	.04070	9.8873	0.4	V
9043	31643.82	44 38N	33 33E	75.3	189.1	2.530	6.65	64.1	SO312	.04070	9.6314	0.8	A
9044	31834.62	31 13N	29 52E	75.9	187.6	3.092	-7.35	72.1	SO312	.04070	9.5571	0.6	F
9045	31837.22	31 13N	29 52E	75.1	187.6	3.092	-7.00	72.1	SO312	.04070	9.7717	0.6	V
9046	31839.82	31 3N	29 50E	75.1	187.6	3.092	-7.00	72.1	SO312	.04070	9.7717	0.4	V
9047	31842.62	31 2N	29 50E	76.0	187.6	3.092	-6.65	72.1	SO312	.04070	9.5324	0.4	A
9048	32249.82	2 49N	24 45E	85.7	186.5	3.439	1.05	83.0	SO312	.03070	8.5090	0.6	V
9049	32253.02	2 49N	24 44E	87.0	186.5	3.439	1.40	83.0	SO312	.03070	8.2614	0.6	A
9050	32780.62	33 40S	18 26E	118.2	187.8	2.738	13.65	30.3	SO312	.03070	6.0331	0.4	F
9051	32784.82	33 40S	18 27E	117.7	187.8	2.530	14.70	30.3	SO312	.03070	6.1074	0.4	V
9052	32790.02	34 3S	18 46E	125.6	187.8	2.181	23.80	30.1	SO312	.03070	5.7195	0.6	V
9053	32794.82	34 3S	18 46E	128.0	187.9	2.181	24.15	30.1	SO312	.03070	5.5132	0.6	A
694 9001	36809.62	53 56N	14 12E	73.6	191.1	2.181	-4.20	56.3	SO312	.04070	9.9780	0.4	V
9002	36812.22	53 57N	14 12E	74.5	191.0	2.181	-3.85	56.3	SO312	.04070	9.7470	0.4	A
9003	36814.82	53 35N	14 4E	73.6	191.0	2.181	-4.20	56.6	SO312	.04070	9.9780	0.4	V
9004	36817.42	53 35N	14 4E	74.5	190.9	2.181	-3.85	56.6	SO312	.04070	9.7470	0.4	A
9005	36823.02	52 50N	13 51E	74.3	190.8	2.181	-2.80	57.2	SO312	.03070	9.7635	0.6	F
9006	36825.62	52 50N	13 51E	73.5	190.8	2.181	-2.45	57.2	SO312	.04070	9.9946	0.6	V
9007	36830.62	52 32N	13 23E	74.6	190.7	2.181	-11.90	57.4	SO312	.04070	9.8460	0.4	V
9008	36833.22	52 33N	13 24E	75.4	190.6	2.181	-11.55	57.4	SO312	.03070	9.6314	0.8	A
9009	36841.62	51 33N	13 35E	74.6	190.5	2.181	3.15	58.4	SO312	.03070	9.7387	0.6	F
9010	36844.22	51 33N	13 35E	73.8	190.5	2.181	3.50	58.4	SO312	.04070	9.9615	0.6	V
9011	36849.22	51 12N	13 31E	74.0	190.4	2.181	5.25	58.7	SO312	.03070	9.9368	0.6	V
9012	36852.02	51 12N	13 31E	75.0	190.4	2.181	5.60	58.7	SO312	.03070	9.6809	0.4	A
9013	36856.22	50 55N	13 21E	74.7	190.3	2.181	3.85	58.9	SO312	.03070	9.7140	0.6	A
9014	36861.82	50 19N	13 29E	75.9	190.2	2.181	12.95	59.5	SO312	.03070	9.6809	0.4	V
9015	36866.82	50 0N	13 5E	73.6	190.1	2.390	4.55	59.7	SO312	.03070	9.9780	0.4	V
9016	36870.62	49 45N	13 2E	73.9	190.1	2.390	5.60	59.9	SO312	.03070	9.9533	0.6	V
9017	36873.42	49 44N	13 2E	74.8	190.0	2.390	5.95	60.0	SO312	.03070	9.6974	0.4	A
9018	36929.22	45 28N	12 22E	84.3	189.3	2.390	25.55	63.7	SO312	.03070	8.6493	0.6	F
9019	36932.22	45 28N	12 22E	83.5	189.3	2.181	25.90	63.7	SO312	.03070	8.8144	0.6	V
9020	37052.22	37 17N	9 51E	79.2	188.2	2.530	18.20	69.5	SO312	.04070	9.2765	0.6	V
9021	37055.22	37 16N	9 51E	80.4	188.2	2.530	18.55	69.5	SO312	.04070	9.0042	0.6	A
9022	37078.42	35 25N	8 6E	82.7	188.0	2.738	-28.00	69.7	SO312	.03070	8.7566	0.6	F
9023	37081.22	35 26N	8 6E	81.6	188.0	2.738	-27.65	69.7	SO312	.03070	9.0042	0.6	V
695 9001	42551.02	23 45N	15 56W	78.1	187.1	3.232	-10.50	73.3	SO312	.01650	9.2683	1.0	F
9002	42556.62	23 45N	15 55W	78.1	187.1	3.232	-9.45	73.3	SO312	.01650	9.2683	1.0	A
9003	42634.02	18 7N	15 58W	92.9	186.8	2.530	29.40	73.1	SO312	.02200	7.8900	0.6	V
9004	42637.42	18 7N	15 58W	94.6	186.8	2.530	29.75	73.1	SO312	.02200	7.6094	0.6	A
696 9001	48268.22	4 23S	41 27W	128.1	186.5	1.826	42.35	57.8	SO312	.02200	5.5627	0.6	A
9002	48281.02	5 16S	41 31W	132.0	186.5	1.690	43.75	57.1	SO312	.02200	5.3811	1.4	A
9003	48297.22	6 44S	43 34W	93.3	186.5	3.439	-12.60	54.7	SO312	.03070	7.7002	1.4	F
9004	48485.42	19 32S	46 57W	126.2	186.9	2.881	-39.20	42.7	SO312	.02200	5.6370	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
696 9005	48502.02	20 41S	46 38W	111.3	186.9	3.232	-26.60	41.9	SO312	.03070	6.4045	1.4	F
9006	48515.82	21 45S	45 15W	112.1	187.0	2.738	20.65	41.6	SO312	.03070	6.4045	1.4	F
9007	48524.02	22 30S	44 39W	135.1	187.0	2.181	37.10	41.2	SO312	.02200	5.3069	0.4	F
9008	48528.82	22 29S	44 39W	134.6	187.0	2.181	37.45	41.2	SO312	.02200	5.3481	0.4	V
9009	48540.82	23 11S	45 52W	106.4	187.1	2.881	11.55	40.1	SO312	.03070	6.7759	1.2	V
9010	48544.82	23 11S	45 51W	108.3	187.1	2.881	12.25	40.1	SO312	.03070	6.5448	1.4	A
9011	48567.42	24 29S	47 49W	124.9	187.2	3.439	-35.00	38.2	SO312	.03070	5.7112	1.4	A
9012	48584.02	25 30S	48 32W	141.9	187.2	3.232	-43.75	37.0	SO312	.02200	5.0428	1.0	A
9013	48598.22	26 50S	48 39W	135.5	187.3	2.881	-40.60	35.8	SO312	.03070	5.3316	1.4	V
9014	48604.62	27 37S	48 32W	129.1	187.3	2.881	-35.70	35.2	SO312	.03070	5.5132	1.4	F
9015	48613.22	27 34S	48 33W	129.3	187.4	3.232	-35.70	35.2	SO312	.03070	5.5297	0.8	A
9016	48623.42	28 15S	48 42W	129.5	187.4	3.232	-35.35	34.6	SO312	.03070	5.5214	1.0	A
697 9001	53346.42	10 38N	62 18W	82.3	186.6	3.439	-0.70	68.5	SO312	.03070	8.7896	1.4	F
9002	53356.82	9 58N	63 9W	91.7	186.6	3.232	-28.70	67.5	SO312	.02200	7.8488	0.8	F
9003	53362.42	9 48N	63 9W	89.7	186.6	3.439	-27.40	67.4	SO312	.03070	8.1459	1.4	V
9004	53366.42	9 46N	63 11W	91.2	186.6	3.439	-27.65	67.4	SO312	.02200	7.9396	0.4	A
9005	53379.22	8 22N	62 44W	83.4	186.6	3.439	-1.75	67.0	SO312	.03070	8.6741	1.6	F
9006	53389.22	8 4N	62 20W	89.2	186.6	3.092	17.15	67.2	SO312	.03070	8.0386	1.2	A
9007	53556.02	3 20S	64 43W	90.6	186.5	3.439	1.40	57.9	SO312	.03070	7.9148	1.4	A
9008	53656.22	10 45S	65 22W	104.8	186.6	2.881	22.05	51.7	SO312	.03070	6.8832	1.8	F
9009	53660.62	10 48S	65 23W	104.2	186.6	2.881	22.40	51.7	SO312	.03070	6.9657	0.8	V
9010	53668.02	10 59S	66 6W	94.0	186.6	3.439	0.00	51.2	SO312	.03070	7.6094	0.4	A
9011	53691.22	13 5S	66 6W	99.7	186.7	3.232	11.55	49.4	SO312	.03070	7.2215	1.4	F
9012	53697.62	13 16S	66 14W	97.8	186.7	3.232	8.75	49.2	SO312	.03070	7.4196	0.8	V
9013	53705.62	13 31S	66 50W	97.8	186.7	3.587	-10.15	48.7	SO312	.03070	7.3123	1.4	A
9014	53713.62	14 16S	67 21W	102.1	186.7	3.587	-22.75	47.8	SO312	.03070	7.1060	1.4	V
9015	53719.62	14 23S	67 30W	106.0	186.7	3.587	-25.90	47.7	SO312	.03070	6.7676	1.0	A
9016	53734.42	15 26S	67 25W	101.5	186.8	3.587	-17.50	46.9	SO312	.03070	7.0400	1.4	A
9017	53743.02	16 12S	68 14W	117.2	186.8	3.232	-36.05	45.8	SO312	.03070	6.1899	0.8	V
9018	53747.42	16 12S	68 14W	118.2	186.8	3.439	-35.70	45.8	SO312	.03070	6.0661	0.8	A
9019	53815.02	20 41S	69 36W	137.7	187.0	3.232	-44.45	41.5	SO312	.02200	5.1913	1.4	A
9020	53981.42	32 43S	70 43W	112.9	187.7	3.092	-10.85	30.8	SO312	.03070	6.3055	0.8	F
9021	53986.62	32 49S	70 36W	111.2	187.7	3.092	-7.00	30.7	SO312	.03070	6.4705	0.6	V
9022	53991.02	33 23S	70 43W	112.7	187.8	3.092	-7.35	30.2	SO312	.03070	6.3137	0.6	F
9023	53996.22	33 26S	70 56W	111.9	187.8	3.092	-11.90	30.1	SO312	.04070	6.4293	0.4	V
9024	54000.42	33 26S	70 55W	113.3	187.8	3.092	-11.20	30.1	SO312	.03070	6.2559	0.4	A
9025	54018.82	34 57S	71 14W	113.7	187.9	3.092	-10.50	28.6	SO312	.04070	6.3220	0.8	V
9026	54027.22	35 15S	71 13W	114.9	188.0	3.092	-8.05	28.4	SO312	.03070	6.1652	0.6	A
9027	54038.02	36 5S	72 49W	138.1	188.1	2.881	-36.75	27.1	SO312	.03070	5.2161	0.8	V
9028	54042.42	36 43S	73 4W	143.0	188.1	2.881	-38.50	26.4	SO312	.02200	4.9602	1.4	F
9029	54052.02	37 9S	72 3W	118.1	188.2	2.881	-16.80	26.4	SO312	.04070	6.0744	0.8	V
9030	54065.62	38 24S	71 54W	116.6	188.3	2.881	-6.65	25.4	SO312	.04070	6.0909	1.0	F
9031	54074.02	38 21S	72 8W	118.5	188.3	2.881	-11.20	25.4	SO312	.04070	5.9671	1.4	A
9032	54081.42	38 42S	73 10W	133.0	188.4	3.092	-30.45	24.7	SO312	.03070	5.3316	1.0	A
9033	54087.02	39 45S	73 13W	129.4	188.4	2.881	-26.95	23.8	SO312	.03070	5.4802	1.4	F
9034	54094.02	39 36S	73 4W	127.2	188.5	3.092	-24.15	24.0	SO312	.03070	5.5709	1.4	A
9035	54108.62	41 7S	71 25W	126.4	188.6	2.181	19.25	23.2	SO312	.04070	5.6617	0.4	V
9036	54113.42	41 7S	71 25W	128.6	188.7	2.181	19.60	23.2	SO312	.04070	5.4637	0.4	A
9037	54119.42	41 28S	72 17W	120.5	188.7	2.390	3.50	22.6	SO312	.04070	5.8515	0.6	A
9038	54178.22	45 52S	71 40W	150.1	189.3	1.484	33.95	18.9	SO312	.03070	4.7622	1.6	V
698 9001	58467.42	23 7N	82 26W	79.2	187.1	3.232	-14.70	73.1	SO312	.04070	9.1362	2.0	F
9002	58473.62	23 5N	82 27W	79.3	187.1	3.232	-14.35	73.2	SO312	.03070	9.1362	0.4	A
9003	58474.62	23 1N	82 28W	79.3	187.0	3.232	-14.35	73.1	SO312	.03070	9.1362	0.6	A
9004	58476.22	22 54N	82 29W	79.3	187.0	3.232	-14.35	73.1	SO312	.03070	9.1280	1.0	A
9005	58631.62	12 11N	84 13W	81.9	186.6	3.439	-3.85	69.4	SO312	.04070	8.8144	0.8	A
699 5001	63544.62	38 30N	100 52W	74.0	188.3	2.881	-1.75	68.4	SO312	.02210	9.8222	0.6	F
5002	63550.02	38 30N	100 52W	74.3	188.3	2.881	-1.05	68.4	SO312	.02210	9.7892	0.6	A
9001	63544.62	38 30N	100 52W	74.1	188.3	2.881	-1.75	68.4	SO312	.02200	9.8212	0.6	F
9002	63549.82	38 31N	100 52W	74.2	188.3	2.881	-1.05	68.4	SO312	.02200	9.7882	0.8	A
9003	63755.42	24 3N	104 40W	83.6	187.1	2.881	-26.60	72.9	SO312	.03070	8.6411	0.6	F
9004	63761.42	24 3N	104 40W	83.2	187.1	3.092	-25.90	72.9	SO312	.03070	8.7318	0.6	A
703 9001	84339.22	67 52N	175 52W	78.6	197.3	1.338	9.10	43.6	SO312	.02200	9.2353	0.6	A
9002	84407.82	63 5N	179 8E	79.0	194.5	1.484	-16.80	48.0	SO312	.03070	9.1610	0.4	F
9003	84413.62	63 4N	179 13E	78.2	194.3	1.484	-14.70	48.0	SO312	.03070	9.2848	0.6	A
705 9001	8806.42	51 18N	128 45E	90.5	190.4	1.826	-37.10	58.3	SO312	.02200	8.0881	0.8	V
9002	8809.82	51 18N	128 44E	91.4	190.3	2.037	-37.10	58.3	SO312	.02200	7.9643	0.8	A
9003	8816.02	50 23N	129 7E	79.5	190.2	2.181	-22.75	59.2	SO312	.03070	9.1032	0.6	F
9004	8821.62	50 8N	129 32E	73.9	190.1	2.390	-8.75	59.6	SO312	.03070	9.9368	0.6	V
9005	8824.42	50 8N	129 32E	74.8	190.1	2.390	-8.40	59.6	SO312	.03070	9.7140	0.6	A
9006	8871.22	47 0N	128 2E	79.6	189.5	2.390	-23.10	62.0	SO312	.03070	9.1362	0.6	A
9007	8889.82	45 33N	127 24E	82.4	189.3	2.181	-29.40	63.0	SO312	.03070	8.8969	0.4	V
9008	8893.02	45 33N	127 19E	84.7	189.2	2.390	-31.15	63.0	SO312	.02200	8.5998	0.4	A
9009	8897.62	45 18N	126 54E	93.1	189.2	2.181	-38.85	63.1	SO312	.02200	7.8405	0.8	A
9010	8913.82	43 57N	126 32E	92.6	189.0	2.037	-39.20	64.1	SO312	.02200	7.9231	0.4	V
9011	8917.22	43 57N	126 32E	93.3	189.0	2.037	-38.85	64.1	SO312	.02200	7.8075	0.4	A
9012	8921.22	43 41N	126 27E	93.8	188.9	2.037	-39.20	64.3	SO312	.02200	7.7662	0.6	A
9013	8933.42	42 20N	127 1E	76.1	188.8	2.530	-16.10	65.6	SO312	.03070	9.5159	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
705 9014	8938.02	42 13N	126 43E	78.7	188.8	2.530	-23.80	65.6	SO312	.03070	9.3261	0.4	V
9015	8940.82	42 14N	126 43E	79.5	188.7	2.530	-23.45	65.6	SO312	.03070	9.1445	0.4	A
9016	8945.02	41 59N	126 27E	83.6	188.7	2.530	-29.40	65.7	SO312	.03070	8.6988	1.2	A
9017	8952.02	41 3N	126 41E	76.4	188.6	2.530	-16.10	66.5	SO312	.03070	9.4829	0.4	F
9018	8962.02	40 13N	127 37E	82.0	188.6	2.530	22.05	67.7	SO312	.03070	8.8721	0.6	F
9019	8965.02	40 13N	127 37E	81.3	188.5	2.530	22.40	67.7	SO312	.03070	9.0290	0.4	V
9020	8977.22	39 21N	125 54E	82.3	188.4	2.530	-27.30	67.5	SO312	.02200	8.7896	1.2	F
9021	8979.22	39 12N	125 52E	82.3	188.4	2.530	-27.30	67.6	SO312	.02200	8.7896	0.4	F
9022	8983.42	38 56N	125 32E	88.1	188.4	2.530	-34.30	67.6	SO312	.03070	8.1954	0.4	F
9023	8986.62	38 56N	125 32E	86.8	188.3	2.530	-33.95	67.7	SO312	.02200	8.4512	1.4	V
9024	8990.62	38 52N	125 32E	87.2	188.3	2.530	-33.25	67.7	SO312	.02200	8.3440	0.6	A
9025	8994.02	38 25N	125 28E	85.8	188.3	2.530	-32.90	68.0	SO312	.02200	8.5420	1.0	V
9026	8998.42	38 20N	125 23E	87.8	188.3	2.530	-33.95	68.0	SO312	.02200	8.2779	0.6	A
9027	9353.62	13 49N	121 2E	83.1	186.7	3.439	-15.75	70.1	SO312	.03030	8.7071	1.0	A
706 9001	14103.02	51 54N	107 45E	76.6	190.6	2.037	-16.10	58.0	SO312	.03070	9.4581	0.6	F
9002	14105.82	51 53N	107 45E	75.8	190.5	2.037	-16.10	58.1	SO312	.03070	9.6974	0.8	V
9003	14108.82	51 53N	107 44E	76.6	190.5	2.037	-15.75	58.1	SO312	.03070	9.4994	0.6	A
9004	14126.42	50 21N	106 26E	89.2	190.2	1.826	-35.35	59.1	SO312	.02200	8.0964	0.4	F
9005	14132.62	50 21N	106 28E	88.0	190.1	2.037	-34.30	59.1	SO312	.03070	8.2779	0.6	A
9006	14159.82	47 57N	107 5E	74.0	189.7	2.390	2.10	61.5	SO312	.03070	9.8212	0.8	F
9007	14167.22	47 51N	106 40E	74.2	189.7	2.390	-8.75	61.5	SO312	.03070	9.7882	0.4	A
9008	14320.42	37 2N	103 5E	84.6	188.2	2.390	-31.85	68.9	SO312	.02200	8.5503	0.6	F
9009	14330.02	36 18N	103 48E	73.9	188.1	2.881	-2.10	69.6	SO312	.03070	9.8377	0.4	F
9010	14335.02	36 10N	103 32E	73.9	188.1	2.881	-10.50	69.7	SO312	.02200	9.9368	0.6	V
9011	14337.82	36 10N	103 32E	74.8	188.0	2.881	-10.15	69.8	SO312	.02200	9.7140	0.6	A
9012	14413.62	30 37N	103 37E	94.8	187.6	2.181	35.35	73.3	SO312	.02200	7.7580	0.6	V
9013	14418.62	30 31N	103 28E	92.4	187.5	2.390	32.20	73.2	SO312	.02200	7.8075	0.6	A
9014	14420.22	30 24N	103 27E	92.5	187.5	2.390	32.20	73.3	SO312	.02200	7.7993	0.6	A
9015	14433.82	29 15N	103 4E	87.6	187.5	2.530	28.35	73.5	SO312	.02200	8.3935	0.4	V
9016	14437.22	29 15N	103 4E	89.0	187.4	2.530	28.70	73.5	SO312	.02200	8.1129	0.4	A
9017	14446.82	28 16N	102 2E	75.3	187.4	3.232	-2.10	73.1	SO312	.03070	9.6479	0.6	F
9018	14449.62	28 16N	102 2E	74.4	187.4	3.232	-1.75	73.1	SO312	.03070	9.8625	0.8	V
9019	14452.62	28 15N	102 2E	75.4	187.4	3.232	-1.40	73.1	SO312	.03070	9.6149	0.6	A
9020	14491.62	25 27N	100 43E	84.4	187.2	2.881	-29.75	72.8	SO312	.02200	8.6741	1.0	V
707 9001	19384.21	53 44N	86 46E	74.6	191.1	2.037	-4.20	56.6	SO312	.04070	9.7387	1.0	F
9002	19389.62	53 44N	86 45E	74.6	191.0	2.037	-3.50	56.6	SO312	.04070	9.7387	0.8	A
9003	19402.41	52 35N	85 18E	84.6	190.7	1.826	-29.75	57.3	SO312	.03070	8.5420	1.0	F
9004	19406.62	52 31N	85 8E	86.0	190.7	1.826	-32.55	57.4	SO312	.03070	8.5255	1.0	V
9005	19409.81	52 31N	85 8E	86.8	190.6	2.037	-32.55	57.4	SO312	.03070	8.3852	1.0	A
9006	19803.41	25 16N	78 27E	88.0	187.2	2.881	-32.55	72.8	SO312	.03070	8.3274	0.6	V
9007	19806.62	25 16N	78 28E	88.6	187.2	3.092	-32.20	72.8	SO312	.02200	8.2037	0.8	A
9008	19822.81	23 52N	78 47E	77.3	187.1	3.232	-11.90	73.3	SO312	.03070	9.4829	0.6	V
9009	19825.61	23 52N	78 46E	78.3	187.1	3.232	-11.55	73.3	SO312	.03070	9.2683	0.6	A
9010	19910.62	17 29N	78 35E	91.7	186.8	2.881	26.95	72.8	SO312	.02200	7.9478	1.0	F
9011	19913.81	17 29N	78 35E	91.2	186.8	2.881	27.30	72.8	SO312	.02200	8.0468	1.0	V
9012	19978.42	13 4N	77 33E	86.9	186.7	2.881	19.60	70.4	SO312	.02200	8.4341	0.6	V
9013	19981.62	13 4N	77 33E	88.3	186.7	2.881	19.95	70.4	SO312	.02200	8.1541	0.6	A
9014	20021.02	10 1N	76 18E	83.3	186.6	3.587	-9.45	67.9	SO312	.03070	8.6823	0.6	F
9015	20024.02	10 1N	76 17E	82.4	186.6	3.587	-9.10	67.9	SO312	.04070	8.8721	1.0	V
9016	20027.42	9 59N	76 17E	83.5	186.6	3.587	-8.75	67.9	SO312	.04070	8.6493	0.8	A
9017	20043.82	8 33N	76 53E	92.9	186.6	2.881	23.80	67.6	SO312	.02200	7.8818	0.6	V
9018	20047.21	8 34N	76 53E	94.4	186.6	2.881	24.15	67.6	SO312	.02200	7.6094	0.6	A
708 9001	24669.61	55 29N	65 20E	74.0	191.5	2.037	-4.20	55.0	SO312	.04070	9.9203	0.4	V
9002	24672.41	55 29N	65 20E	74.9	191.4	2.037	-3.85	55.0	SO312	.04070	9.6974	0.4	A
9003	24704.21	53 14N	63 33E	81.3	190.8	2.037	-26.60	56.8	SO312	.03070	9.0372	0.4	V
9004	24707.21	53 13N	63 33E	82.0	190.8	2.037	-26.25	56.8	SO312	.03070	8.8721	0.4	A
9005	24719.81	51 52N	64 14E	74.9	190.6	2.390	3.50	58.3	SO312	.03070	9.6974	1.0	F
9006	24725.21	51 51N	64 14E	75.1	190.5	2.181	4.55	58.3	SO312	.03070	9.6727	1.0	A
9007	24803.41	46 4N	62 56E	81.9	189.4	2.390	22.05	63.3	SO312	.03070	8.8969	0.4	F
9008	24805.81	46 6N	62 57E	81.2	189.4	2.390	22.40	63.2	SO312	.03070	9.0537	0.8	V
9009	24808.81	46 6N	62 57E	82.3	189.4	2.181	22.75	63.2	SO312	.03070	8.8061	0.4	A
9010	24947.21	36 19N	59 37E	74.6	188.1	2.881	0.00	69.8	SO312	.03070	9.7470	0.6	F
9011	24949.81	36 19N	59 37E	73.8	188.1	2.881	0.35	69.8	SO312	.03070	9.9615	0.6	V
9012	24955.21	35 57N	59 27E	73.5	188.0	2.881	-3.15	70.0	SO312	.03070	9.9946	0.6	V
9013	24958.01	35 57N	59 26E	74.4	188.0	2.881	-2.80	70.0	SO312	.03070	9.7552	0.6	A
709 9001	29658.41	76 15N	62 42E	79.0	208.7	0.787	-1.40	35.2	SO312	.05390	9.1610	1.2	F
9002	29664.21	76 15N	62 42E	78.9	207.9	0.787	-1.05	35.2	SO312	.05390	9.1858	1.2	A
9003	29683.01	75 5N	56 6E	98.8	205.7	0.292	-37.10	36.5	SO312	.03070	7.3206	3.4	F
9004	29689.81	75 2N	56 39E	93.2	204.9	0.636	-32.90	36.5	SO312	.03070	7.7910	3.4	A
9005	29743.81	70 52N	53 49E	77.6	200.3	1.135	-2.10	40.7	SO312	.03070	9.3426	1.6	F
9006	29749.41	70 52N	53 48E	77.5	199.9	1.135	-1.75	40.7	SO312	.03070	9.3673	1.6	A
9007	29935.81	58 22N	43 53E	77.5	192.4	1.690	-18.20	52.4	SO312	.04070	9.4746	0.8	V
9008	29938.81	58 21N	43 52E	78.4	192.3	1.690	-18.20	52.4	SO312	.04070	9.2765	0.6	A
9009	29961.81	56 20N	43 46E	75.0	191.8	2.037	0.00	54.3	SO312	.04070	9.6892	1.2	F
9010	29967.21	56 20N	43 46E	75.0	191.7	2.037	0.70	54.3	SO312	.04070	9.6809	1.2	A
9011	29976.01	55 28N	42 20E	81.9	191.5	1.826	-25.55	54.9	SO312	.03070	8.8309	0.8	F
9012	29978.81	55 29N	42 19E	80.9	191.5	1.826	-25.55	54.9	SO312	.03070	9.0620	1.0	V
9013	29987.41	54 58N	43 16E	75.1	191.3	2.037	3.15	55.6	SO312	.04070	9.6727	0.8	A
9014	30005.21	53 28N	41 44E	79.5	191.0	2.037	-22.05	56.7	SO312	.03070	9.1115	0.8	F
9015	30008.01	53 28N	41 44E	78.4	190.9	2.037	-21.70	56.7	SO312	.03070	9.3673	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
709 9016	30015.41	52 47N	41 28E	79.9	190.8	2.037	-22.75	57.3	SO312	.03070	9.0702	1.2	F
9017	30018.81	52 44N	41 27E	78.7	190.7	2.037	-22.40	57.3	SO312	.03070	9.3343	0.6	V
9018	30022.41	52 29N	41 27E	77.5	190.7	2.037	-19.95	57.5	SO312	.03070	9.4746	0.6	V
9019	30025.21	52 29N	41 27E	78.3	190.6	2.037	-19.60	57.5	SO312	.03070	9.2931	0.6	A
9020	30037.71	51 23N	41 56E	74.0	190.4	2.390	3.85	58.7	SO312	.03070	9.9285	0.6	V
9021	30040.01	51 23N	41 56E	75.0	190.4	2.390	4.20	58.7	SO312	.03070	9.6809	0.4	A
9022	30049.01	50 23N	41 46E	75.9	190.3	2.390	8.75	59.6	SO312	.03070	9.5819	0.6	F
9023	30094.61	47 22N	39 46E	78.8	189.6	2.390	-21.35	61.8	SO312	.03070	9.2023	2.2	F
9024	30103.21	47 18N	39 45E	78.5	189.5	2.390	-20.65	61.8	SO312	.03070	9.2683	1.2	A
9025	30106.21	46 34N	39 34E	78.4	189.5	2.390	-20.65	62.4	SO312	.03070	9.2353	0.8	F
9026	30109.01	46 34N	39 34E	77.4	189.5	2.390	-20.30	62.4	SO312	.03070	9.4911	0.8	V
9027	30126.41	45 11N	38 48E	84.7	189.2	2.181	-30.45	63.3	SO312	.03070	8.5255	0.8	F
9028	30129.81	45 11N	38 48E	83.5	189.2	2.181	-30.10	63.4	SO312	.03070	8.7814	0.8	V
9029	30134.81	45 1N	38 57E	80.5	189.2	2.390	-24.50	63.6	SO312	.03070	9.0455	0.8	A
9030	30141.41	44 9N	39 7E	75.8	189.1	2.530	-13.30	64.4	SO312	.03070	9.5654	1.0	F
9031	30144.61	44 7N	39 5E	75.0	189.1	2.530	-13.65	64.4	SO312	.04070	9.7882	0.4	V
9032	30147.21	44 7N	39 5E	75.9	189.0	2.530	-13.30	64.4	SO312	.04070	9.5737	0.6	A
9033	30187.41	41 1N	37 53E	81.5	188.6	2.390	-25.90	66.5	SO312	.04070	8.8804	0.6	F
9034	30190.21	41 1N	37 53E	80.3	188.6	2.390	-25.55	66.5	SO312	.04070	9.1362	0.6	V
9035	30256.01	36 14N	37 36E	75.4	188.1	2.881	3.85	70.0	SO312	.02200	9.6479	1.0	F
9036	30261.41	36 14N	37 36E	75.6	188.0	2.881	4.55	70.0	SO312	.02200	9.5902	1.0	A
9037	30273.81	35 3N	36 52E	76.2	188.0	2.881	-13.30	70.3	SO312	.03070	9.5159	0.6	F
9038	30276.61	35 3N	36 51E	75.4	187.9	2.881	-13.30	70.3	SO312	.03070	9.7367	0.6	V
9039	30279.41	34 40N	36 46E	76.3	187.9	2.881	-13.65	70.5	SO312	.03070	9.4994	0.6	F
9040	30282.21	34 40N	36 46E	75.4	187.9	2.881	-13.30	70.5	SO312	.03070	9.7387	0.4	V
9041	30295.01	33 35N	36 42E	75.3	187.8	3.092	-7.00	71.2	SO312	.02200	9.6397	1.0	F
9042	30300.41	33 35N	36 42E	75.3	187.8	3.092	-6.30	71.2	SO312	.02200	9.6314	1.0	A
9043	30308.61	32 53N	35 60E	81.1	187.7	2.738	-25.90	71.1	SO312	.03070	9.0537	0.6	V
9044	30318.81	31 59N	35 56E	79.9	187.7	2.881	-22.40	71.6	SO312	.03070	9.0537	0.6	F
9045	30321.61	31 59N	35 55E	78.8	187.7	2.881	-22.05	71.6	SO312	.03070	9.3013	0.6	V
9046	30353.41	29 37N	34 58E	91.8	187.5	2.530	-36.05	72.0	SO312	.01650	7.8488	1.4	F
9047	30360.01	29 37N	34 59E	91.0	187.5	2.738	-35.35	72.0	SO312	.01650	7.9973	1.4	A
9048	30556.21	15 51N	32 32E	89.6	186.8	3.092	-30.45	70.7	SO312	.01650	8.1706	1.0	V
9049	30559.61	15 51N	32 31E	90.5	186.8	3.092	-30.10	70.7	SO312	.01650	8.0138	1.0	A
9050	30713.61	4 55N	31 37E	86.5	186.5	3.232	9.10	64.6	SO312	.01650	8.4430	1.4	V
9051	30810.81	1 56S	30 4E	88.8	186.5	3.587	-5.60	58.9	SO312	.03070	8.1211	0.4	F
9052	30813.81	1 55S	30 4E	87.9	186.5	3.587	-4.90	58.9	SO312	.03070	8.2862	0.6	V
9053	30823.61	2 28S	28 51E	112.8	186.5	3.232	-40.60	57.7	SO312	.02200	6.4623	0.8	V
9054	30827.81	2 28S	28 51E	113.6	186.5	3.439	-40.25	57.7	SO312	.02200	6.3550	0.8	A
9055	30957.41	11 38S	27 26E	110.2	186.6	3.232	-33.60	49.9	SO312	.02200	6.5696	0.6	V
9056	30961.41	11 38S	27 25E	111.6	186.7	3.439	-33.60	49.9	SO312	.02200	6.4458	0.8	A
9057	31008.61	15 19S	28 26E	105.6	186.7	2.881	19.60	47.4	SO312	.03070	6.8667	0.6	V
9058	31012.41	15 18S	28 27E	107.7	186.8	2.881	20.30	47.4	SO312	.03070	6.6108	0.8	A
9059	31174.21	26 38S	27 6E	134.9	187.3	2.037	35.35	37.2	SO312	.03070	5.3316	0.6	V
9060	31179.21	26 38S	27 6E	138.0	187.3	1.826	36.05	37.2	SO312	.02200	5.1170	0.8	A
9061	31211.81	29 7S	25 60E	119.5	187.4	2.530	22.05	34.6	SO312	.04070	6.0249	0.6	V
9062	31216.41	29 7S	25 59E	121.7	187.5	2.530	22.40	34.6	SO312	.03070	5.8103	0.6	A
710 9001	34888.41	80 38N	57 59E	80.0	224.4	0.438	5.60	30.1	SO312	.03070	9.1610	0.6	V
9002	34891.41	80 37N	57 60E	80.9	223.5	0.438	5.95	30.1	SO312	.03070	8.9547	0.4	A
9003	35225.21	59 22N	24 4E	81.1	192.8	1.826	21.35	51.7	SO312	.04070	9.0620	0.6	V
9004	35228.21	59 22N	24 4E	82.3	192.8	1.826	21.70	51.7	SO312	.04070	8.8144	0.6	A
9005	35261.21	56 40N	23 15E	90.1	192.0	1.826	31.50	54.3	SO312	.03070	8.0964	0.6	F
9006	35264.21	56 41N	23 13E	88.8	191.9	1.826	31.15	54.2	SO312	.03070	8.2944	0.4	V
9007	35267.61	56 40N	23 12E	89.8	191.8	1.826	31.15	54.2	SO312	.03070	8.0716	0.4	A
9008	35290.41	54 59N	19 60E	82.3	191.4	1.826	-26.25	55.3	SO312	.03070	8.7496	2.2	F
9009	35296.41	54 59N	19 59E	82.2	191.3	2.037	-26.25	55.3	SO312	.03070	8.8474	2.2	A
9010	35305.41	53 56N	19 55E	78.2	191.1	2.037	-19.25	56.3	SO312	.03070	9.2683	0.6	F
9011	35308.21	53 56N	19 54E	77.3	191.0	2.037	-19.25	56.3	SO312	.03070	9.4994	0.6	V
9012	35311.01	53 57N	19 54E	78.2	191.0	2.037	-19.25	56.3	SO312	.03070	9.2931	0.6	A
9013	35324.01	52 28N	21 4E	83.9	190.8	2.037	24.85	57.9	SO312	.03070	8.6823	0.8	F
9014	35327.01	52 28N	21 4E	83.2	190.7	2.037	25.20	57.9	SO312	.03070	8.8391	0.8	V
9015	35330.41	52 14N	21 2E	83.9	190.7	2.037	26.25	58.2	SO312	.03070	8.7566	0.4	V
9016	35333.41	52 14N	21 2E	85.4	190.6	1.826	26.95	58.2	SO312	.03070	8.4925	0.4	A
9017	35339.61	51 38N	20 32E	79.7	190.5	2.037	20.30	58.6	SO312	.03070	9.2188	0.6	V
9018	35342.41	51 39N	20 32E	80.9	190.5	2.037	20.65	58.6	SO312	.03070	8.9547	0.6	A
9019	35347.41	50 51N	20 40E	87.9	190.4	2.037	29.75	59.4	SO312	.03070	8.2944	0.6	F
9020	35350.61	50 50N	20 40E	87.2	190.3	2.037	30.10	59.4	SO312	.03070	8.4265	0.4	V
9021	35353.61	50 52N	20 38E	87.8	190.3	1.826	29.75	59.4	SO312	.03070	8.2532	0.6	A
9022	35359.61	50 5N	19 57E	80.1	190.2	2.037	19.60	59.9	SO312	.03070	9.0867	0.6	F
9023	35362.41	50 5N	19 57E	79.4	190.2	2.037	19.95	59.9	SO312	.03070	9.2518	0.6	V
9024	35370.01	49 51N	19 4E	74.5	190.1	2.390	-2.45	59.9	SO312	.03070	9.7470	1.0	A
9025	35375.81	49 5N	18 55E	74.3	190.0	2.390	0.00	60.6	SO312	.03070	9.7800	0.6	F
9026	35378.41	49 5N	18 55E	73.5	189.9	2.390	0.35	60.6	SO312	.03070	10.0028	0.6	V
9027	35388.41	48 31N	17 40E	82.8	189.8	2.181	-29.40	60.8	SO312	.03070	8.8804	0.6	V
9028	35400.41	47 30N	19 2E	78.9	189.6	2.181	18.90	62.1	SO312	.03070	9.3261	0.6	V
9029	35402.41	47 22N	18 60E	78.9	189.6	2.181	18.90	62.2	SO312	.03070	9.3178	0.8	V
9030	35405.41	47 22N	18 59E	80.1	189.6	2.181	19.25	62.2	SO312	.03070	9.0537	0.8	A
9031	35416.81	46 35N	18 51E	82.0	189.4	2.181	22.40	62.9	SO312	.03070	8.8309	0.6	A
9032	35430.41	45 21N	17 41E	74.3	189.3	2.530	-2.45	63.6	SO312	.03070	9.7717	0.4	F
9033	35433.01	45 21N	17 41E	73.5	189.3	2.530	-2.10	63.6	SO312	.03070	9.9946	0.4	V
9034	35439.21	44 58N	17 18E	74.3	189.2	2.530	-10.85	63.8	SO312	.03070	9.8790	0.8	V
9035	35441.41	44 49N	17 16E	74.4	189.2	2.530	-10.85	63.9	SO312	.03070	9.8708	0.4	V
9036	35444.01	44 49N	17 16E	75.2	189.1	2.530	-10.50	63.9	SO312	.03070	9.6562	0.4	A
9037	35453.81	44 3N	16 13E	87.0	189.0	2.181	-34.30	64.2	SO312	.03070	8.4265	0.6	V
9038	35457.01	44 3N	16 12E	87.8	189.0	2.390	-34.30	64.2	SO312	.03070	8.2862	0.6	A
9039	35468.21	42 47N	16 49E	74.7	188.9	2.738	-7.70	65.5	SO312	.04070	9.7140	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
710 9040	35473.41	42 48N	16 49E	74.7	188.8	2.738	-6.65	65.5	SO312	.04070	9.7222	0.8	A
9041	35618.41	32 40N	14 17E	75.4	187.7	2.881	-10.50	71.5	SO312	.03070	9.7305	0.4	V
9042	35621.21	32 40N	14 16E	76.3	187.7	3.092	-10.50	71.5	SO312	.03070	9.5076	0.4	A
711 9001	40673.81	49 43N	1 52W	86.9	190.1	2.037	29.75	60.4	SO312	.03070	8.4512	0.6	V
9002	40677.01	49 43N	1 52W	88.5	190.0	1.826	30.45	60.4	SO312	.03070	8.1871	0.6	A
9003	40686.61	48 49N	3 31W	74.6	189.9	2.390	-7.00	60.8	SO312	.03070	9.7305	0.6	F
9004	40908.01	33 39N	7 36W	76.1	187.8	2.881	-10.50	71.1	SO312	.04070	9.5241	0.8	F
9005	40910.81	33 38N	7 36W	75.2	187.8	2.881	-10.15	71.1	SO312	.04070	9.7552	0.8	V
712 9001	46813.41	7 14S	35 54W	120.8	186.6	2.037	37.10	55.0	SO312	.02200	5.8763	1.4	A
9002	46833.61	8 30S	37 40W	95.3	186.6	3.587	-13.30	53.0	SO312	.03070	7.5187	1.0	A
9003	46839.81	9 22S	38 15W	103.8	186.6	3.439	-28.00	52.0	SO312	.03070	6.8997	1.0	F
9004	46857.21	10 13S	36 33W	117.6	186.6	2.181	33.25	52.3	SO312	.02200	6.0414	1.4	A
9005	46926.01	14 46S	39 1W	103.0	186.7	3.587	-19.95	47.3	SO312	.03070	6.9409	1.4	A
713 9001	52199.41	12 40S	60 5W	97.1	186.7	3.439	1.75	49.5	SO312	.03070	7.3536	1.0	A
9002	52243.81	16 5S	62 1W	120.6	186.8	3.092	-37.45	45.7	SO312	.02200	5.9176	1.4	F
9003	52253.61	16 20S	60 57W	99.6	186.8	3.439	-4.90	46.1	SO312	.03070	7.1638	1.4	A
9004	52326.61	22 1S	60 37W	127.8	187.0	2.390	32.90	41.4	SO312	.02200	5.6205	1.0	F
9005	52356.81	24 8S	60 40W	140.7	187.1	2.037	38.85	39.6	SO312	.02200	5.1005	0.8	F
9006	52380.41	25 1S	61 27W	123.6	187.2	2.181	27.65	38.5	SO312	.03070	5.7195	0.6	A
9007	52420.01	27 45S	64 18W	124.7	187.4	3.232	-33.25	35.0	SO312	.03070	5.7698	0.8	V
9008	52473.01	31 25S	64 15W	111.9	187.6	3.092	-12.60	31.8	SO312	.03070	6.4293	0.8	V
9009	52477.21	31 25S	64 16W	113.4	187.6	3.092	-12.25	31.8	SO312	.03070	6.2559	0.8	A
9010	52482.61	32 3S	64 34W	114.1	187.7	3.092	-16.80	31.2	SO312	.03070	6.3055	1.0	V
9011	52488.21	32 9S	64 29W	114.5	187.7	3.232	-13.65	31.1	SO312	.03070	6.1982	1.4	A
9012	52496.21	33 4S	63 48W	114.1	187.8	2.738	8.75	30.6	SO312	.03070	6.2972	0.6	V
9013	52500.21	33 21S	63 44W	115.9	187.8	2.738	11.90	30.4	SO312	.03070	6.1982	0.6	V
9014	52504.81	33 41S	63 37W	118.7	187.8	2.530	16.10	30.1	SO312	.03070	6.0496	0.6	V
9015	52511.01	33 46S	63 57W	116.6	187.8	2.738	9.10	29.9	SO312	.03070	6.0579	0.8	A
9016	52517.61	34 12S	64 19W	114.9	187.9	2.881	2.45	29.4	SO312	.03070	6.1487	0.8	A
9017	52527.61	35 36S	63 29W	132.2	187.9	2.181	26.95	28.5	SO312	.03070	5.3811	1.4	F
9018	52533.61	35 39S	63 45W	125.7	188.0	2.181	22.40	28.3	SO312	.03070	5.6947	1.4	V
9019	52543.01	36 33S	64 15W	121.8	188.1	2.530	15.40	27.4	SO312	.03070	5.8515	1.4	F
9020	52588.61	39 14S	65 37W	117.1	188.4	2.738	-0.35	24.5	SO312	.04070	6.1156	1.0	V
9021	52617.21	41 33S	65 19W	127.8	188.6	2.390	17.50	22.6	SO312	.04070	5.5627	1.0	F
9022	52626.41	41 32S	65 21W	128.6	188.7	2.037	17.85	22.6	SO312	.04070	5.4637	1.4	A
9023	52700.01	46 31S	68 57W	133.2	189.5	2.530	-24.50	17.1	SO312	.04070	5.3564	1.0	V
9024	52754.41	49 58S	68 33W	128.4	190.2	2.181	3.15	14.2	SO312	.04070	5.4637	1.6	A
9025	52770.01	51 37S	69 12W	127.2	190.4	2.181	1.05	12.6	SO312	.05390	5.5544	0.8	F
9026	52774.81	51 38S	69 12W	126.2	190.5	2.181	1.40	12.6	SO312	.05390	5.6535	0.6	V
9027	52778.81	51 34S	69 17W	129.3	190.5	2.181	0.00	12.6	SO312	.05390	5.4224	1.6	A
9028	52786.21	52 22S	69 41W	128.0	190.7	2.181	-2.10	11.8	SO312	.05390	5.5627	1.6	V
714 9001	57008.81	20 54N	76 12W	78.8	187.0	3.232	2.10	73.2	SO312	.02200	9.2188	2.2	F
9002	57014.41	20 55N	76 16W	78.8	187.0	3.232	0.35	73.2	SO312	.02200	9.1775	2.6	A
9003	57021.81	20 26N	76 37W	79.3	186.9	3.439	-10.15	72.8	SO312	.04070	9.1280	0.8	A
9004	57053.41	18 2N	76 46W	78.8	186.8	3.232	1.40	72.3	SO312	.03070	9.3013	0.6	V
9005	57056.41	18 1N	76 47W	79.9	186.8	3.232	1.75	72.3	SO312	.03070	9.0455	0.4	A
9006	57177.01	9 16N	78 57W	88.0	186.6	3.439	-24.15	67.3	SO312	.03070	8.3109	0.6	V
9007	57180.21	9 36N	78 56W	88.8	186.6	3.439	-23.45	67.3	SO312	.03070	8.1541	0.6	A
9008	57321.01	0 33S	80 24W	89.5	186.5	3.587	-11.90	59.9	SO312	.03070	8.0551	1.4	F
9009	57326.61	0 55S	80 41W	92.6	186.5	3.587	-19.95	59.4	SO312	.03070	7.7662	0.8	F
9010	57333.81	0 59S	80 28W	89.8	186.5	3.587	-10.50	59.5	SO312	.03070	8.0056	1.4	A
9011	57344.61	2 9S	80 59W	95.0	186.5	3.439	-22.75	58.4	SO312	.03070	7.5682	1.4	F
9012	57348.01	2 9S	80 59W	93.9	186.5	3.439	-22.40	58.4	SO312	.03070	7.7580	1.4	V
9013	57361.41	2 57S	79 46W	104.5	186.5	2.530	27.30	58.5	SO312	.02200	6.8337	0.6	A
9014	57365.41	3 14S	79 56W	100.8	186.5	2.738	23.10	58.2	SO312	.02200	7.0812	0.6	A
9015	57368.41	3 26S	79 58W	100.9	186.5	2.738	23.45	58.0	SO312	.02200	7.0730	0.4	A
9016	57369.81	3 32S	79 59W	101.3	186.5	2.738	23.45	58.0	SO312	.02200	7.0482	0.6	A
9017	57374.41	4 7S	79 58W	102.6	186.5	2.738	26.25	57.5	SO312	.02200	7.0812	0.4	V
9018	57379.81	4 29S	80 0W	104.0	186.5	2.738	26.95	57.2	SO312	.02200	6.9822	0.4	V
9019	57386.21	4 51S	80 40W	91.8	186.5	3.092	7.00	56.5	SO312	.03070	7.9313	1.0	V
9020	57390.61	5 10S	80 36W	93.4	186.5	3.092	11.20	56.3	SO312	.02200	7.7828	0.8	V
9021	57394.21	5 11S	80 37W	94.9	186.5	3.092	11.55	56.3	SO312	.02200	7.5352	0.8	A
715 5001	62142.81	32 55N	96 45W	83.7	187.7	2.738	-29.40	71.1	SO312	.02210	8.7657	3.0	V
9001	62049.21	39 15N	94 30W	73.7	188.4	2.738	-2.80	68.0	SO312	.02200	9.9615	2.8	V
9002	62142.81	32 55N	96 45W	83.7	187.7	2.738	-29.40	71.1	SO312	.02200	8.7649	3.0	V
9003	62293.21	22 15N	97 52W	80.0	187.0	3.232	9.45	73.6	SO312	.03070	9.0867	0.6	F
9004	62299.01	22 15N	97 52W	80.5	187.0	3.092	10.50	73.6	SO312	.03070	8.9629	0.6	A
9005	62346.41	18 50N	98 56W	77.8	186.9	3.439	-7.35	72.4	SO312	.03070	9.4168	0.4	V
9006	62349.41	18 49N	98 56W	78.8	186.9	3.439	-6.65	72.4	SO312	.03070	9.1858	0.4	A
9007	62375.61	16 53N	99 54W	88.6	186.8	3.232	-29.75	71.1	SO312	.03070	8.2532	0.6	V
9008	62378.81	16 54N	99 54W	89.5	186.8	3.232	-29.40	71.2	SO312	.02200	8.0964	0.6	A
720 9001	1911.61	57 57N	162 3E	79.7	192.4	2.037	17.15	53.1	SO312	.03070	9.1197	0.6	F
9002	1914.41	57 58N	162 2E	78.9	192.3	1.826	17.50	53.1	SO312	.03070	9.3261	0.6	V
9003	1919.61	57 26N	161 39E	78.2	192.2	2.037	14.00	53.5	SO312	.03070	9.3013	1.6	F
9004	1925.21	57 26N	161 39E	78.5	192.1	1.826	15.05	53.5	SO312	.03070	9.2435	1.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
720 9005	1931.41	56 50N	161 16E	76.4	191.9	2.037	12.25	54.1	SO312	.03070	9.6149	0.6	V
9006	1934.21	56 50N	161 16E	77.4	191.9	1.826	12.60	54.1	SO312	.03070	9.3838	0.6	A
9007	1939.81	56 19N	160 40E	74.4	191.8	2.037	3.50	54.5	SO312	.03070	9.8790	0.4	V
9008	1942.61	56 18N	160 40E	75.3	191.7	2.037	3.85	54.5	SO312	.03070	9.6397	0.4	A
9009	1987.61	52 58N	158 26E	78.5	190.8	2.037	-19.95	57.2	SO312	.03070	9.2353	0.4	F
9010	1990.41	52 58N	158 25E	77.7	190.8	2.037	-20.30	57.2	SO312	.03070	9.4499	0.6	V
9011	1993.41	52 58N	158 24E	78.6	190.7	2.037	-20.30	57.2	SO312	.04070	9.2518	0.4	A
721 9001	7359.21	48 42N	135 43E	74.9	189.9	2.390	4.55	61.1	SO312	.04070	9.7057	0.4	F
9002	7363.41	48 37N	135 33E	73.7	189.8	2.390	0.70	61.1	SO312	.03070	9.9780	0.4	V
9003	7366.21	48 36N	135 33E	74.6	189.8	2.390	1.05	61.1	SO312	.03070	9.7387	0.4	A
9004	7369.81	48 22N	135 23E	74.4	189.8	2.390	-1.40	61.3	SO312	.03070	9.7635	0.6	A
9005	7375.61	47 59N	135 8E	74.5	189.7	2.530	-5.95	61.5	SO312	.03070	9.7470	0.6	A
9006	7401.01	45 57N	133 44E	83.3	189.4	2.181	-28.70	62.9	SO312	.03070	8.6823	0.6	F
9007	7404.01	45 56N	133 44E	82.1	189.3	2.181	-28.35	62.9	SO312	.03070	8.9382	0.6	V
9008	7407.81	45 54N	133 41E	83.7	189.3	2.390	-29.40	62.9	SO312	.03070	8.6988	0.6	A
9009	7411.21	45 40N	133 36E	83.9	189.3	2.390	-29.75	63.1	SO312	.03070	8.6741	0.4	A
9010	7420.41	44 38N	132 54E	94.5	189.2	1.826	-34.65	63.7	SO312	.02200	7.6259	0.8	F
9011	7423.61	44 49N	132 54E	93.2	189.1	2.037	-34.65	63.7	SO312	.02200	7.8735	0.8	V
9012	7429.81	44 10N	133 17E	81.6	189.1	2.390	-28.00	64.3	SO312	.03070	8.9959	0.6	V
9013	7432.81	44 10N	133 16E	82.4	189.0	2.390	-27.65	64.3	SO312	.03070	8.8391	0.8	A
9014	7442.01	43 7N	133 12E	79.5	188.9	2.390	-22.75	65.1	SO312	.02200	9.1197	0.8	F
9015	7444.81	43 7N	133 12E	78.4	188.9	2.390	-22.40	65.1	SO312	.02200	9.3756	0.8	V
9016	7448.61	42 51N	133 10E	77.2	188.9	2.390	-21.00	65.3	SO312	.03070	9.5159	0.2	V
9017	7451.41	42 51N	133 10E	78.0	188.8	2.390	-20.65	65.4	SO312	.03070	9.3343	0.4	A
9018	8045.21	1 36N	124 56E	91.7	186.5	3.439	-21.00	61.4	SO312	.03070	7.8488	1.2	F
9019	8049.81	1 41N	124 51E	92.1	186.5	3.439	-23.10	61.3	SO312	.04070	7.9231	0.6	V
9020	8053.21	1 31N	124 50E	93.1	186.5	3.439	-22.75	61.3	SO312	.03070	7.7497	0.6	A
722 9001	12323.01	71 43N	128 53E	82.0	201.5	1.135	16.45	39.9	SO312	.03070	8.6391	0.8	F
9002	12325.81	71 44N	128 54E	81.2	201.3	1.135	16.80	39.9	SO312	.03070	9.0290	0.6	V
9003	12327.01	71 39N	128 48E	81.0	201.2	1.135	16.80	40.0	SO312	.03070	9.0547	0.4	V
9004	12330.01	71 39N	128 52E	82.6	201.0	1.135	17.85	40.0	SO312	.04070	8.7731	0.4	A
9005	12612.21	52 53N	113 38E	84.6	190.8	1.826	-31.50	57.2	SO312	.03070	8.6658	0.6	V
9006	12615.21	52 54N	113 38E	85.4	190.7	2.037	-31.50	57.2	SO312	.03070	8.5255	1.0	A
9007	12620.21	52 9N	113 17E	88.2	190.6	1.826	-33.60	57.8	SO312	.02200	8.1871	0.4	F
9008	12624.61	52 1N	113 37E	80.2	190.6	2.037	-25.55	58.0	SO312	.03070	9.1610	0.6	V
9009	12628.61	51 44N	113 39E	78.3	190.5	2.037	-22.40	58.3	SO312	.03070	9.3838	0.4	V
9010	12631.41	51 44N	113 39E	79.1	190.4	2.037	-22.05	58.3	SO312	.03070	9.2023	1.0	A
9011	12742.61	40 48N	112 0E	85.0	188.6	2.530	26.60	67.5	SO312	.03070	8.5915	1.0	F
9012	12785.81	40 48N	112 0E	84.3	188.6	2.530	26.95	67.5	SO312	.03070	8.7318	1.4	V
9013	12789.41	40 46N	111 59E	85.4	188.6	2.181	27.30	67.5	SO312	.03070	8.4843	1.0	A
9014	12810.61	38 53N	111 37E	88.1	188.4	2.390	30.10	68.9	SO312	.03070	8.2862	1.0	F
9015	12813.81	38 52N	111 37E	87.5	188.4	2.390	30.45	68.9	SO312	.03070	8.4017	0.8	V
9016	12820.01	38 29N	111 14E	81.3	188.3	2.530	22.75	69.0	SO312	.03070	9.0537	0.4	V
9017	12823.01	38 29N	111 14E	82.5	188.3	2.530	23.10	69.0	SO312	.03070	8.7814	0.4	A
9018	12832.41	37 56N	110 5E	75.4	188.2	2.881	-12.25	68.8	SO312	.03070	9.6479	0.6	A
9019	12848.41	36 40N	109 33E	77.3	188.1	2.738	-20.30	69.4	SO312	.02200	9.4994	0.8	V
9020	12868.21	35 5N	109 34E	74.8	188.0	2.881	-7.70	70.5	SO312	.03070	9.7057	0.4	F
9021	12870.01	34 57N	109 32E	75.2	187.9	2.881	-7.70	70.6	SO312	.03070	9.6562	0.4	F
9022	12872.61	34 58N	109 32E	74.3	187.9	2.881	-7.35	70.6	SO312	.03070	9.8873	0.4	V
9023	12876.61	34 29N	109 33E	74.9	187.9	3.092	-3.15	70.9	SO312	.03070	9.6974	0.6	F
9024	12879.41	34 29N	109 33E	74.1	187.9	2.881	-2.80	70.9	SO312	.03070	9.9120	0.4	V
9025	12885.41	34 4N	109 24E	74.2	187.8	2.881	-4.90	71.1	SO312	.03070	9.9038	0.4	V
9026	12905.41	32 30N	109 14E	75.3	187.7	3.092	2.10	71.9	SO312	.03070	9.6562	0.4	F
9027	12916.81	31 60N	108 12E	84.6	187.7	2.738	-30.80	71.4	SO312	.03070	8.6741	1.0	V
9028	12920.01	31 59N	108 11E	85.4	187.6	2.738	-30.45	71.4	SO312	.03070	8.5173	0.8	A
9029	12989.81	27 2N	108 33E	83.6	187.3	2.738	21.00	73.9	SO312	.03070	8.6411	0.4	A
9030	13054.61	22 13N	107 9E	78.5	187.0	3.232	3.15	73.5	SO312	.02200	9.2518	1.8	F
9031	13061.21	22 9N	107 8E	78.8	187.0	3.232	3.85	73.5	SO312	.02200	9.1775	0.8	A
9032	13072.61	21 3N	106 9E	86.0	187.0	3.092	-26.95	72.5	SO312	.03070	8.4017	0.6	F
9033	13080.41	20 51N	106 38E	78.8	186.9	3.439	-6.30	73.0	SO312	.03070	9.1858	1.2	A
9034	13086.41	20 28N	106 21E	80.5	186.9	3.439	-15.05	72.7	SO312	.03070	9.0042	0.6	A
9035	13094.01	19 48N	105 46E	88.8	186.9	3.092	-31.15	72.1	SO312	.03070	8.2532	0.6	V
9036	13097.21	19 48N	105 46E	89.6	186.9	3.092	-30.80	72.1	SO312	.02200	8.1046	0.6	A
9037	13235.41	10 3N	104 2E	92.0	186.6	3.232	-29.75	67.4	SO312	.02200	7.9313	1.2	V
9038	13238.81	10 3N	104 3E	92.8	186.6	3.439	-29.40	67.4	SO312	.02200	7.7993	1.2	A
9039	13357.01	1 19N	103 52E	95.7	186.5	3.092	20.30	61.9	SO312	.02200	7.5764	0.6	F
9040	13360.41	1 19N	103 52E	95.1	186.5	2.881	21.00	61.9	SO312	.03070	7.6755	0.8	V
9041	13364.21	1 18N	103 51E	96.7	186.5	2.881	21.35	61.9	SO312	.02200	7.4114	0.4	A
723 9001	17750.61	64 9N	99 35E	81.8	195.1	1.484	21.70	47.4	SO312	.04070	8.9959	0.8	V
9002	17753.61	64 9N	99 36E	83.0	195.0	1.484	22.05	47.4	SO312	.04070	8.7484	0.8	A
9003	17868.01	56 9N	94 31E	76.7	191.8	2.037	10.15	54.7	SO312	.04070	9.4829	1.0	F
9004	17873.61	56 9N	94 31E	76.9	191.6	2.037	10.85	54.7	SO312	.03070	9.4334	0.8	A
9005	17921.81	53 6N	91 25E	88.8	190.7	2.037	-34.65	57.0	SO312	.02200	8.1954	0.4	A
9006	18063.01	42 57N	89 10E	76.4	188.9	2.530	-15.05	65.4	SO312	.03070	9.4911	0.8	F
9007	18091.81	40 49N	89 50E	84.1	188.6	2.530	25.20	67.4	SO312	.02200	8.6906	0.6	F
9008	18094.61	40 50N	89 50E	83.1	188.6	2.530	25.20	67.4	SO312	.02200	8.8309	1.2	V
9009	18098.41	40 47N	89 50E	84.7	188.6	2.530	25.90	67.5	SO312	.02200	8.5503	0.6	A
9010	18346.01	23 26N	85 21E	78.6	187.1	3.232	6.30	73.7	SO312	.03070	9.2518	1.0	F
9011	18351.81	23 25N	85 21E	79.0	187.1	3.092	7.35	73.7	SO312	.03070	9.1527	0.8	A
9012	18384.41	20 56N	85 11E	83.9	187.0	2.881	18.90	73.6	SO312	.03070	8.7484	0.8	V
9013	18387.61	20 56N	85 11E	85.2	187.0	2.881	19.25	73.6	SO312	.03070	8.4760	0.6	A
724 9001	23304.41	47 49N	67 40E	87.2	189.7	2.037	-34.30	61.4	SO312	.02200	8.4182	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
724 9002	23307.81	47 48N	67 39E	88.3	189.6	2.037	-34.30	61.4	SO312	.02200	8.2449	0.4	A
9003	23463.01	36 41N	66 60E	93.2	188.1	2.181	34.65	70.4	SO312	.02200	7.8900	0.6	V
9004	23466.41	36 41N	66 60E	94.9	188.1	2.181	35.00	70.4	SO312	.02200	7.6177	0.6	A
9005	23575.21	28 48N	64 56E	88.3	187.4	2.738	27.65	73.7	SO312	.02200	8.2614	0.4	F
9006	23578.21	28 48N	64 55E	87.3	187.4	2.530	28.00	73.7	SO312	.02200	8.4182	0.8	V
9007	23581.81	28 47N	64 55E	88.8	187.4	2.530	28.35	73.7	SO312	.02200	8.1376	0.4	A
725 9001	28446.41	58 50N	52 14E	83.0	192.6	1.690	24.50	52.4	SO312	.03070	8.8474	0.6	V
9002	28449.41	58 50N	52 14E	84.3	192.6	1.690	24.85	52.4	SO312	.03070	8.5998	0.6	A
9003	28473.81	57 3N	48 48E	87.5	192.0	1.484	-32.20	53.6	SO312	.03070	8.2532	0.8	F
9004	28477.01	57 2N	48 48E	86.3	191.9	1.690	-32.20	53.6	SO312	.03070	8.5090	0.6	V
9005	28478.41	56 57N	48 46E	86.3	191.9	1.690	-32.20	53.7	SO312	.03070	8.5090	0.4	V
9006	28481.41	56 57N	48 46E	87.0	191.8	1.690	-31.85	53.7	SO312	.03070	8.3687	0.6	A
9007	28484.21	56 46N	48 43E	86.6	191.8	1.690	-31.50	53.9	SO312	.03070	8.4017	0.6	A
9008	28492.81	55 53N	49 8E	76.1	191.6	2.037	-15.40	54.8	SO312	.04070	9.6479	0.6	V
9009	28495.61	55 53N	49 7E	77.0	191.5	2.037	-15.40	54.8	SO312	.03070	9.4334	0.6	A
9010	28521.41	53 33N	49 52E	84.8	191.0	2.037	25.90	57.1	SO312	.03070	8.5915	0.6	F
9011	28524.41	53 33N	49 52E	84.1	191.0	2.037	26.25	57.1	SO312	.03070	8.7401	0.6	V
9012	28529.01	53 1N	49 48E	87.5	190.9	2.037	29.05	57.6	SO312	.03070	8.3192	0.6	F
9013	28532.01	53 1N	49 47E	86.7	190.9	1.826	29.40	57.6	SO312	.03070	8.4925	0.8	V
9014	28546.01	52 7N	47 7E	84.4	190.6	1.826	-29.40	57.9	SO312	.03070	8.5668	2.2	F
9015	28552.01	52 8N	47 6E	84.3	190.5	2.037	-29.40	57.9	SO312	.03070	8.6411	2.2	A
9016	28591.01	49 11N	46 53E	74.5	189.9	2.390	-10.85	60.5	SO312	.03070	9.8625	0.6	V
9017	28593.81	49 11N	46 52E	75.3	189.9	2.390	-10.50	60.6	SO312	.03070	9.6479	0.4	A
9018	28598.61	48 30N	46 20E	78.4	189.8	2.181	-20.30	61.0	SO312	.03070	9.2270	1.0	F
9019	28604.21	48 30N	46 20E	78.2	189.8	2.390	-19.95	61.0	SO312	.03070	9.2931	1.0	A
9020	28631.81	46 24N	45 60E	74.6	189.4	2.530	-11.55	62.8	SO312	.03070	9.8460	0.6	V
9021	28696.81	42 1N	44 7E	84.0	188.7	2.390	-31.15	65.8	SO312	.03070	8.7316	0.6	V
9022	28703.41	41 43N	44 22E	78.7	188.7	2.530	-22.05	66.2	SO312	.03070	9.2353	0.6	A
9023	28708.21	40 59N	44 24E	75.9	188.6	2.738	-16.10	66.8	SO312	.03070	9.5489	0.6	F
9024	28710.81	40 60N	44 24E	75.0	188.6	2.738	-15.75	66.8	SO312	.03070	9.7965	0.6	V
9025	28716.61	40 23N	44 36E	74.0	188.6	2.738	-3.85	67.3	SO312	.03070	9.8130	0.6	F
9026	28719.41	40 11N	44 32E	74.3	188.5	2.738	-4.20	67.5	SO312	.03070	9.7800	0.6	F
9027	28722.21	40 10N	44 31E	73.4	188.5	2.738	-4.20	67.5	SO312	.03070	10.0028	0.4	V
9028	28725.21	40 10N	44 29E	74.1	188.5	2.738	-5.25	67.5	SO312	.03070	9.7882	0.8	A
9029	28735.01	39 25N	45 7E	82.6	188.4	2.390	23.10	68.4	SO312	.03070	8.7566	0.6	A
9030	28741.61	38 33N	44 58E	83.3	188.3	2.530	24.15	69.0	SO312	.03070	8.7484	0.6	F
9031	28744.61	38 32N	44 58E	82.7	188.3	2.530	24.50	69.0	SO312	.03070	8.8969	0.6	V
9032	28752.81	38 13N	44 30E	77.3	188.3	2.738	12.95	69.0	SO312	.03070	9.3673	1.0	A
9033	28768.81	36 40N	44 33E	85.3	188.1	2.530	25.90	70.2	SO312	.03070	8.5503	1.2	F
9034	28775.01	36 40N	44 33E	85.9	188.1	2.390	26.60	70.2	SO312	.03070	8.4100	1.2	A
9035	28785.41	35 32N	44 18E	86.0	188.0	2.530	26.25	70.4	SO312	.01650	8.4843	0.6	F
9036	28792.81	34 57N	44 30E	95.4	188.0	2.390	35.00	71.4	SO312	.01650	7.6425	0.8	F
9037	28800.81	34 44N	43 39E	77.2	187.9	2.738	12.25	71.8	SO312	.03070	9.5159	0.6	V
9038	28803.61	34 44N	43 39E	78.3	187.9	2.738	12.60	71.8	SO312	.03070	9.2435	0.6	A
9039	28811.01	34 11N	44 17E	95.9	187.8	2.181	35.35	71.8	SO312	.01650	7.5352	1.0	A
9040	28817.21	33 22N	43 36E	82.5	187.8	2.738	20.65	71.9	SO312	.01650	8.8226	1.0	F
9041	28820.21	33 22N	43 36E	81.8	187.8	2.738	21.00	71.9	SO312	.01650	8.9712	0.8	V
9042	28998.01	21 28N	39 59E	83.2	187.0	3.232	-22.40	72.8	SO312	.03070	8.7071	0.8	A
9043	29083.81	15 21N	38 56E	83.3	186.7	3.439	-19.60	70.7	SO312	.04070	8.7814	0.6	V
9044	29086.81	15 21N	38 56E	84.2	186.7	3.439	-19.25	70.7	SO312	.03070	8.5915	0.8	A
9045	29308.21	0 29S	37 30E	104.6	186.5	2.738	29.40	60.6	SO312	.02200	6.9162	1.6	F
9046	29312.01	0 29S	37 28E	103.4	186.5	2.530	29.40	60.6	SO312	.02200	7.0482	1.6	V
9047	29316.61	0 32S	37 30E	106.8	186.5	2.530	30.80	60.6	SO312	.02200	6.6934	1.2	A
9048	29464.41	10 38S	35 35E	107.9	186.6	2.738	24.50	51.6	SO312	.02200	6.5861	1.6	A
9049	29511.01	13 57S	33 48E	99.1	186.7	3.587	-16.10	48.0	SO312	.03070	7.3041	0.4	V
9050	29514.61	13 56S	33 48E	100.3	186.7	3.587	-15.40	48.0	SO312	.03070	7.1308	0.6	A
9051	29584.01	18 58S	33 24E	101.2	186.9	3.232	1.75	43.6	SO312	.03070	7.1390	1.0	V
9052	29587.81	18 58S	33 23E	102.6	186.9	3.232	2.10	43.7	SO312	.03070	6.9244	1.0	A
9053	29685.01	25 52S	32 32E	112.2	187.2	2.738	15.05	37.4	SO312	.03070	6.4210	0.6	V
9054	29689.41	25 53S	32 32E	114.1	187.2	2.738	15.40	37.4	SO312	.03070	6.1982	0.6	A
9055	29715.61	27 59S	32 27E	120.5	187.4	2.390	23.10	35.5	SO312	.03070	5.9671	0.8	V
9056	29720.21	27 59S	32 27E	122.7	187.4	2.390	23.45	35.5	SO312	.03070	5.7443	0.8	A
726 9001	33418.81	80 3NN	58 3E	87.3	221.7	0.292	-24.85	30.6	SO312	.03070	8.3852	0.6	V
9002	33422.01	80 3NN	58 2E	88.2	220.9	0.292	-24.85	30.6	SO312	.03070	8.2119	0.6	A
9003	33732.61	60 1N	31 1E	87.6	193.2	1.826	28.35	51.3	SO312	.03070	8.3274	0.6	F
9004	33735.81	60 0N	31 1E	86.9	193.1	1.826	28.70	51.3	SO312	.03070	8.4760	0.6	V
9005	33741.01	59 43N	30 22E	80.3	193.0	1.826	19.95	51.5	SO312	.04070	9.1610	0.8	V
9006	33744.01	59 43N	30 21E	81.3	192.9	1.826	19.95	51.5	SO312	.03070	8.9299	0.8	A
9007	33758.01	58 46N	29 50E	81.0	192.5	1.690	19.95	52.4	SO312	.03070	8.9382	0.6	A
9008	33760.41	57 45N	29 43E	85.9	192.3	1.826	26.95	53.4	SO312	.03070	8.4843	0.4	F
9009	33774.21	57 24N	28 19E	75.0	192.2	2.037	0.00	53.5	SO312	.04070	9.6727	0.6	F
9010	33777.01	57 23N	28 19E	74.2	192.1	2.037	0.35	53.5	SO312	.04070	9.8955	0.6	V
9011	33779.81	57 23N	28 19E	75.1	192.0	2.037	0.70	53.5	SO312	.04070	9.6644	0.4	A
9012	33783.41	57 8N	28 11E	75.0	192.0	2.037	0.35	53.8	SO312	.04070	9.6644	0.4	A
9013	33790.21	56 15N	28 20E	77.5	191.8	2.037	12.95	54.6	SO312	.03070	9.3756	0.8	F
9014	33793.01	56 15N	28 19E	76.6	191.7	2.037	12.95	54.6	SO312	.04070	9.5902	0.8	V
9015	33798.41	55 38N	28 28E	82.1	191.6	2.037	22.05	55.3	SO312	.03070	8.8639	0.4	F
9016	33801.21	55 39N	28 28E	81.3	191.6	1.826	22.40	55.3	SO312	.03070	9.0455	0.4	V
9017	33811.01	54 58N	26 38E	77.1	191.4	2.037	-16.10	55.6	SO312	.03070	9.4086	0.6	F
9018	33813.81	54 58N	26 38E	76.1	191.3	2.037	-15.75	55.6	SO312	.04070	9.6562	0.6	V
9019	33823.21	53 58N	27 39E	80.6	191.1	2.037	19.95	56.7	SO312	.03070	9.0290	0.8	F
9020	33826.41	53 57N	27 38E	79.9	191.1	2.037	20.30	56.7	SO312	.03070	9.1940	0.4	V
9021	33828.61	53 48N	27 35E	79.9	191.1	2.037	20.30	56.9	SO312	.03070	9.1940	0.6	V
9022	33831.61	53 48N	27 35E	81.1	191.0	2.037	20.65	56.9	SO312	.03070	8.9299	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
726 9023	33840.81	53 7N	26 3E	74.9	190.8	2.181	-12.60	57.2	SO312	.04070	9.7965	0.4	V
9024	33843.41	53 7N	26 4E	75.8	190.8	2.181	-12.25	57.2	SO312	.03070	9.5819	0.6	A
9025	33851.01	52 16N	25 22E	79.8	190.7	2.037	-22.75	57.9	SO312	.03070	9.0785	0.6	F
9026	33853.81	52 16N	25 22E	78.7	190.6	2.037	-22.40	57.9	SO312	.03070	9.3343	0.6	V
9027	33863.21	51 21N	25 54E	74.6	190.5	2.390	0.35	58.8	SO312	.03070	9.7387	0.6	F
9028	33873.81	50 57N	24 28E	86.1	190.3	2.037	-32.90	58.9	SO312	.03070	8.5173	0.6	V
9029	33877.01	50 57N	24 27E	87.1	190.3	2.037	-32.90	58.9	SO312	.03070	8.3440	0.6	A
9030	33882.01	50 22N	24 27E	82.7	190.2	2.037	-29.05	59.4	SO312	.03070	8.8721	0.6	V
9031	33885.21	50 21N	24 27E	83.5	190.1	2.037	-28.70	59.4	SO312	.03070	8.7153	0.6	A
9032	33888.61	50 8N	24 21E	84.0	190.1	2.037	-29.40	59.6	SO312	.03070	8.6576	0.6	A
9033	33895.21	49 17N	23 48E	90.2	190.0	1.826	-36.05	60.2	SO312	.03070	8.0221	1.0	F
9034	33898.41	49 17N	23 47E	89.0	189.9	2.037	-36.05	60.2	SO312	.03070	8.2449	0.8	V
9035	33902.01	49 15N	23 47E	89.7	189.9	2.037	-35.70	60.2	SO312	.03070	8.1129	0.4	A
9036	33934.01	46 47N	23 36E	78.6	189.5	2.390	-23.10	62.4	SO312	.03070	9.3426	0.6	V
9037	33936.81	46 48N	23 36E	79.4	189.5	2.390	-22.75	62.4	SO312	.03070	9.1610	0.6	A
9038	33951.21	45 24N	25 4E	88.6	189.3	2.037	31.85	64.1	SO312	.03070	8.2862	0.8	V
9039	33956.01	45 18N	25 4E	90.6	189.2	2.037	32.55	64.2	SO312	.03070	7.9808	0.8	A
9040	33963.01	44 27N	24 23E	81.5	189.2	2.390	21.35	64.7	SO312	.03070	8.9382	0.4	F
9041	33965.81	44 27N	24 23E	80.8	189.1	2.390	21.70	64.7	SO312	.03070	9.0950	0.6	V
9042	33968.61	44 28N	24 23E	81.9	189.1	2.181	22.05	64.7	SO312	.03070	8.8474	0.8	A
9043	33979.21	43 46N	23 47E	76.5	189.0	2.530	10.15	65.1	SO312	.03070	9.4746	0.8	A
9044	34001.41	42 0N	21 38E	94.9	188.8	2.037	-39.90	65.6	SO312	.01650	7.6094	1.4	F
9045	34004.81	42 0N	21 38E	93.4	188.7	2.037	-39.55	65.7	SO312	.01650	7.8570	1.2	V
9046	34017.41	40 46N	23 2E	77.1	188.6	2.738	11.55	67.3	SO312	.02200	9.4334	1.0	F
9047	34023.01	40 46N	23 2E	77.5	188.6	2.530	12.60	67.3	SO312	.02200	9.3508	0.8	A
9048	34144.41	32 8N	20 11E	78.4	187.7	2.881	-17.50	71.7	SO312	.03070	9.2353	0.8	F
9049	34147.21	32 8N	20 10E	77.4	187.7	2.881	-17.15	71.7	SO312	.03070	9.4746	0.6	V
9050	34683.61	4 56S	12 37E	111.9	186.5	3.092	-37.45	55.6	SO312	.02200	6.4962	0.6	F
9051	34687.61	4 56S	12 37E	109.9	186.5	3.092	-36.75	55.6	SO312	.02200	6.6191	0.6	V
9052	34692.41	5 32S	12 11E	124.5	186.5	2.881	-44.45	54.9	SO312	.02200	5.7278	1.2	F
9053	34696.81	5 32S	12 12E	122.3	186.5	3.092	-44.10	54.9	SO312	.02200	5.9423	1.2	V
9054	34703.01	5 59S	12 24E	111.6	186.5	3.232	-37.45	54.7	SO312	.03070	6.5035	0.4	V
9055	34707.01	5 59S	12 24E	112.9	186.5	3.439	-37.45	54.7	SO312	.03070	6.3880	0.6	A
9056	34737.41	8 44S	13 19E	96.2	186.6	3.232	8.05	53.1	SO312	.03070	7.4856	1.0	F
9057	34740.81	8 44S	13 19E	95.4	186.6	3.232	8.40	53.1	SO312	.03070	7.6094	1.0	V
9058	34742.41	8 50S	13 18E	95.5	186.6	3.232	8.40	53.0	SO312	.03070	7.6012	0.6	V
9059	34746.01	8 51S	13 18E	97.1	186.6	3.232	9.10	53.0	SO312	.03070	7.3536	0.6	A
9060	34822.41	14 47S	13 38E	140.3	186.7	2.037	43.05	48.3	SO312	.02200	5.1335	0.6	F
9061	34827.41	14 47S	13 39E	140.4	186.7	1.826	43.75	48.3	SO312	.02200	5.1583	0.6	V
9062	34831.21	15 2S	13 28E	134.8	186.7	1.826	41.30	48.0	SO312	.02200	5.3729	0.6	V
9063	34836.21	15 2S	13 28E	137.8	186.7	1.826	41.65	48.0	SO312	.02200	5.1500	0.6	A
727 9001	39166.01	51 57N	4 28E	77.7	190.5	2.181	14.00	58.5	SO312	.03070	9.3343	0.8	A
9002	39208.61	49 1N	1 56E	82.5	189.9	2.037	-28.70	60.5	SO312	.03070	8.6887	0.6	V
9003	39211.61	49 1N	1 56E	83.3	189.9	2.037	-28.35	60.5	SO312	.03070	8.7318	0.6	A
9004	39232.41	47 6N	2 24E	74.5	189.6	2.530	0.70	62.4	SO312	.03070	9.7470	0.8	F
9005	39237.81	47 5N	2 23E	74.6	189.5	2.390	1.40	62.4	SO312	.03070	9.7222	0.6	A
9006	39282.61	43 39N	1 29E	74.9	189.0	2.530	4.20	65.1	SO312	.02200	9.6974	0.8	F
9007	39288.01	43 39N	1 29E	75.1	189.0	2.530	4.90	65.1	SO312	.02200	9.6479	0.8	A
9008	39398.21	35 44N	0 38W	75.4	188.0	2.881	1.05	70.3	SO312	.03070	9.6314	0.6	F
9009	39400.81	35 44N	0 38W	74.6	188.0	2.881	1.40	70.3	SO312	.03070	9.8377	0.6	V
9010	39404.41	35 40N	0 35W	75.8	188.0	2.881	3.85	70.4	SO312	.03070	9.5571	0.4	A
9011	39408.41	35 12N	0 35W	75.5	188.0	2.881	7.70	70.7	SO312	.03070	9.7222	0.6	V
9012	39411.21	35 12N	0 35W	76.5	187.9	2.881	8.05	70.7	SO312	.03070	9.4581	0.6	A
9013	39455.41	31 54N	0 43W	87.4	187.7	2.390	28.70	72.7	SO312	.03070	8.3935	0.6	V
9014	39458.61	31 54N	0 43W	88.9	187.7	2.390	29.05	72.7	SO312	.02200	8.1129	0.6	A
729 9001	50526.21	0 6N	51 3W	98.5	186.5	2.881	23.10	60.9	SO312	.02200	7.3536	2.0	F
9002	50545.61	0 50S	52 35W	95.9	186.5	3.439	-26.60	59.3	SO312	.03070	7.5929	1.4	V
9003	50553.81	1 12S	52 22W	91.7	186.5	3.587	-16.10	59.2	SO312	.03070	7.8405	0.8	A
9004	50560.61	1 42S	52 14W	90.1	186.5	3.587	-8.05	58.9	SO312	.03070	7.9726	1.4	A
9005	50579.01	3 13S	52 15W	89.7	186.5	3.439	1.05	57.8	SO312	.03070	8.1129	1.4	V
9006	50774.41	16 50S	54 25W	101.8	186.8	3.232	8.40	45.7	SO312	.03070	7.0647	1.4	F
9007	50866.61	22 57S	57 36W	139.8	187.1	2.738	-43.40	39.1	SO312	.02200	5.0840	0.8	F
9008	50872.81	23 23S	57 25W	131.0	187.1	2.881	-36.85	38.8	SO312	.02200	5.4141	0.6	F
9009	50878.81	23 32S	57 1W	116.5	187.1	3.092	-29.05	38.9	SO312	.03070	6.1982	0.6	V
9010	50886.41	23 50S	56 28W	107.5	187.1	3.439	-12.60	38.9	SO312	.03070	6.6273	1.4	A
9011	50900.21	25 15S	57 37W	126.0	187.2	3.092	-34.65	37.2	SO312	.03070	5.6452	1.2	F
9012	50905.01	25 16S	57 39W	125.5	187.2	3.092	-35.00	37.1	SO312	.04070	5.7525	1.0	V
9013	50909.81	25 16S	57 40W	127.0	187.2	3.439	-35.00	37.1	SO312	.03070	5.6287	0.8	A
9014	50918.61	26 9S	58 10W	136.3	187.3	3.092	-40.95	36.2	SO312	.03070	5.2903	0.6	V
9015	50928.61	26 41S	57 5W	110.2	187.3	3.439	-13.30	36.2	SO312	.03070	6.4623	0.6	A
9016	50940.01	27 54S	55 44W	125.7	187.3	2.181	28.35	35.7	SO312	.03070	5.7278	0.6	V
9017	50946.61	28 38S	56 0W	123.9	187.4	2.390	25.20	34.9	SO312	.03070	5.7690	0.4	F
9018	50949.81	28 33S	56 4W	120.9	187.4	2.390	23.80	35.0	SO312	.03070	5.9506	0.6	V
9019	50954.61	29 7S	56 32W	115.2	187.4	2.738	14.70	34.3	SO312	.04070	6.1982	0.6	F
9020	50966.81	29 11S	58 5W	119.2	187.5	3.439	-24.85	33.6	SO312	.03070	5.9753	1.4	A
9021	50975.01	29 46S	58 4W	117.2	187.5	3.232	-21.35	33.1	SO312	.03070	6.0661	0.6	A
9022	50980.61	30 44S	58 1W	114.2	187.5	3.092	-15.75	32.3	SO312	.03070	6.2312	0.8	F
9023	50988.01	31 15S	57 59W	113.1	187.6	3.092	-11.90	31.9	SO312	.03070	6.2890	2.2	F
9024	50994.01	31 23S	58 3W	112.3	187.6	3.092	-12.25	31.7	SO312	.03070	6.4045	0.8	V
9025	50998.41	31 24S	57 58W	113.3	187.6	3.092	-9.80	31.6	SO312	.03070	6.2559	1.4	A
9026	51012.21	32 48S	56 30W	135.2	187.7	2.037	31.50	31.1	SO312	.03070	5.3069	0.6	V
9027	51019.61	33 19S	56 30W	139.0	187.8	1.826	33.60	30.6	SO312	.03070	5.1748	1.4	V
9028	51029.61	34 20S	56 42W	140.4	187.8	2.037	32.90	29.7	SO312	.03070	5.0840	0.4	F
9029	51037.61	34 25S	57 46W	117.3	187.9	2.530	12.25	29.2	SO312	.03070	6.1239	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
729 9030	51043.81	34 50S	57 53W	117.3	187.9	2.530	11.55	28.8	SO312	.04070	6.1239	0.6	V
9031	51048.21	34 50S	57 53W	119.3	187.9	2.530	11.90	28.8	SO312	.04070	5.9176	0.6	A
9032	51055.01	35 19S	57 17W	133.2	188.0	2.181	26.95	28.6	SO312	.03070	5.7903	1.0	A
730 9001	55567.41	18 29N	69 54W	88.4	186.9	2.738	24.15	73.0	SO312	.03070	8.2862	0.4	V
9002	55570.61	18 29N	69 54W	89.9	186.9	2.738	24.50	73.0	SO312	.02200	8.0056	0.4	A
9003	55832.61	0 32N	73 34W	89.8	186.5	3.439	6.30	61.0	SO312	.03070	7.9973	0.8	A
9004	55894.41	3 44S	73 18W	119.8	186.5	2.037	37.80	58.0	SO312	.01650	5.9423	1.4	A
9005	55969.21	8 57S	75 60W	98.1	186.6	3.587	-21.70	52.4	SO312	.03070	7.4031	1.0	V
9006	55973.01	8 57S	76 4W	100.6	186.6	3.587	-23.45	52.3	SO312	.03070	7.1390	0.8	A
9007	56007.01	11 45S	77 10W	120.0	186.6	3.092	-39.20	49.5	SO312	.02200	5.9506	0.6	F
9008	56010.41	11 59S	77 8W	117.6	186.6	3.092	-37.45	49.3	SO312	.02200	6.0744	0.8	F
9009	56014.61	11 59S	77 7W	115.6	186.7	3.092	-36.75	49.3	SO312	.03070	6.2807	1.0	V
9010	56019.21	12 1S	77 8W	116.8	186.7	3.439	-36.75	49.3	SO312	.03070	6.1569	0.6	A
731 9001	60880.41	18 0N	92 56W	79.2	186.8	3.439	-8.75	72.1	SO312	.03070	9.2518	0.4	V
9002	60883.41	17 60N	92 56W	80.2	186.8	3.439	-8.40	72.1	SO312	.03070	9.0207	0.4	A
737 9001	5831.20	52 14N	141 40E	86.2	190.6	1.826	-32.90	57.9	SO312	.02200	8.5008	0.4	V
9002	5834.40	52 14N	141 40E	87.0	190.5	2.037	-32.90	57.9	SO312	.02200	8.3605	0.4	A
9003	5867.80	49 18N	142 51E	83.4	190.0	2.181	24.50	60.9	SO312	.03070	8.7236	0.6	F
9004	5874.80	49 13N	143 3E	88.4	189.9	1.826	30.45	61.0	SO312	.02200	8.1706	0.6	A
9005	5890.80	47 47N	142 4E	79.1	189.7	2.390	17.50	62.1	SO312	.02200	9.7023	0.4	F
9006	5899.20	47 18N	142 46E	96.1	189.6	1.826	37.80	62.7	SO312	.02200	7.6259	0.8	V
9007	5902.80	47 17N	142 48E	98.3	189.6	1.826	38.50	62.7	SO312	.02200	7.3701	0.8	A
9008	5909.00	46 43N	141 52E	80.7	189.5	2.037	22.05	63.0	SO312	.04070	9.1197	0.8	V
9009	5912.00	46 43N	141 52E	81.9	189.5	2.037	22.40	63.0	SO312	.04070	8.8474	0.8	A
738 9001	10969.40	63 42N	125 32E	77.6	194.7	1.484	-16.80	47.8	SO312	.04070	9.4499	0.8	V
9002	10972.40	63 42N	125 32E	78.3	194.6	1.484	-16.45	47.8	SO312	.04070	9.2000	0.8	A
9003	11289.60	42 1N	117 58E	75.4	188.7	2.530	10.15	66.5	SO312	.03070	9.6149	0.4	A
9004	11316.20	39 54N	116 42E	76.4	188.5	2.738	-15.05	67.6	SO312	.03070	9.4994	0.4	F
9005	11321.80	39 54N	116 42E	76.2	188.4	2.738	-14.00	67.6	SO312	.03070	9.5406	0.4	A
9006	11366.40	36 26N	116 2E	75.4	188.1	2.881	-9.45	69.8	SO312	.03070	9.6149	0.4	F
9007	11371.40	36 28N	115 60E	75.6	188.1	2.881	-10.15	69.8	SO312	.03070	9.5984	0.8	A
9008	11383.20	35 23N	116 33E	79.8	188.0	2.738	18.55	70.9	SO312	.02200	9.2023	1.0	V
9009	11395.60	34 49N	115 33E	76.4	187.9	2.881	-12.60	70.6	SO312	.02200	9.5159	0.8	A
9010	11401.00	34 26N	115 34E	75.7	187.9	2.881	-8.75	70.9	SO312	.03070	9.5819	0.4	A
9011	11423.00	32 46N	114 57E	77.5	187.7	2.881	-18.20	71.5	SO312	.03070	9.4829	0.4	V
9012	11428.80	32 11N	114 30E	84.5	187.7	2.738	-29.05	71.5	SO312	.03070	8.5585	0.4	F
9013	11434.20	31 48N	114 40E	79.4	187.7	2.881	-21.00	71.8	SO312	.03070	9.1032	0.4	F
9014	11440.00	31 33N	115 2E	74.4	187.6	3.092	-5.25	72.2	SO312	.03070	9.8625	0.6	V
9015	11447.40	30 54N	114 21E	82.4	187.6	2.881	-25.55	72.0	SO312	.02200	8.7731	1.0	F
9016	11452.20	30 34N	114 17E	82.4	187.6	2.881	-25.55	72.1	SO312	.03070	8.7649	0.6	F
9017	11455.00	30 35N	114 17E	81.3	187.5	2.881	-25.20	72.1	SO312	.03070	9.0124	0.6	V
9018	11468.20	29 29N	115 42E	93.2	187.5	2.390	33.25	73.8	SO312	.02200	7.8653	0.6	V
9019	11471.60	29 29N	115 43E	95.0	187.5	2.181	33.95	73.8	SO312	.01650	7.6012	0.6	A
9020	11483.20	28 34N	114 28E	75.4	187.4	3.092	-2.45	73.2	SO312	.02200	9.7305	0.4	V
9021	11486.00	28 34N	114 28E	76.4	187.4	3.092	-2.10	73.2	SO312	.02200	9.4829	0.4	A
9022	11497.00	27 48N	114 23E	76.9	187.3	3.092	0.70	73.4	SO312	.03070	9.4168	0.6	A
9023	11510.20	26 51N	114 44E	84.4	187.3	2.738	21.35	74.0	SO312	.03070	8.5503	0.6	A
9024	11527.60	25 19N	113 55E	77.4	187.2	3.232	1.05	73.6	SO312	.03070	9.3838	0.6	F
9025	11530.40	25 19N	113 54E	76.6	187.2	3.232	1.40	73.6	SO312	.03070	9.5737	0.6	V
9026	11535.40	24 47N	113 43E	77.3	187.2	3.232	-2.80	73.6	SO312	.03070	9.3921	0.8	F
9027	11540.20	24 51N	113 35E	77.3	187.2	3.232	-7.35	73.5	SO312	.03070	9.3673	0.4	A
9028	11546.00	24 25N	113 51E	78.7	187.1	3.092	0.65	73.8	SO312	.03070	9.1858	1.0	A
9029	11557.80	23 15N	113 26E	77.5	187.1	3.232	-1.40	73.5	SO312	.03070	9.3591	1.0	F
9030	11560.00	23 5N	113 25E	77.9	187.1	3.232	-1.40	73.5	SO312	.04070	9.3178	0.4	F
9031	11562.60	23 6N	113 25E	77.1	187.1	3.232	-1.05	73.5	SO312	.04070	9.5076	0.6	V
9032	11568.60	22 56N	112 59E	80.1	187.0	3.232	-16.45	73.1	SO312	.03070	9.0537	0.4	A
9033	11580.40	21 53N	113 11E	77.5	187.0	3.232	-0.35	73.3	SO312	.03070	9.4581	0.8	V
9034	11895.20	0 0N	109 21E	89.0	186.5	3.439	2.10	60.4	SO312	.04070	8.1129	0.6	F
9035	11898.40	0 0S	109 20E	88.3	186.5	3.439	2.45	60.4	SO312	.04070	8.2614	0.6	V
9036	11987.60	6 15S	106 54E	118.4	186.5	3.092	-40.95	54.3	SO312	.01650	6.0414	0.6	F
9037	11991.80	6 15S	106 53E	116.7	186.5	3.092	-40.60	54.3	SO312	.01650	6.2229	0.6	V
9038	11996.00	6 32S	106 46E	119.2	186.5	3.092	-42.00	54.0	SO312	.01650	6.0909	0.6	V
9039	12003.20	6 52S	107 33E	97.0	186.6	3.587	-18.55	54.2	SO312	.03070	7.4114	0.6	A
739 9001	16805.00	27 28N	92 11E	76.8	187.3	3.232	-0.70	73.4	SO312	.03070	9.4499	0.8	F
9002	16810.40	27 26N	92 11E	77.1	187.3	3.092	0.35	73.4	SO312	.03070	9.3921	1.0	A
9003	16877.00	22 22N	91 50E	88.0	187.0	2.881	24.15	74.0	SO312	.02200	8.2779	1.4	F
9004	16883.40	22 22N	91 50E	89.1	187.0	2.738	25.20	74.1	SO312	.02200	8.0881	1.4	A
740 9001	21719.20	54 22N	77 22E	74.5	191.2	2.037	-2.45	56.3	SO312	.03070	9.7552	0.6	F
9002	21721.80	54 22N	77 22E	73.6	191.2	2.037	-2.10	56.3	SO312	.03070	9.9863	0.6	V
9003	21831.20	46 45N	74 34E	74.4	189.5	2.530	-7.70	62.7	SO312	.03070	9.7552	0.6	F
9004	21833.80	46 45N	74 34E	73.5	189.5	2.530	-7.35	62.7	SO312	.03070	9.9946	0.6	V
9005	21842.20	46 4N	73 28E	86.3	189.4	2.037	-32.55	62.9	SO312	.03070	8.3770	0.6	F
9006	21845.20	46 4N	73 28E	85.0	189.4	2.037	-32.20	62.9	SO312	.03070	8.6328	0.6	V
9007	21848.00	45 53N	73 24E	85.3	189.3	2.037	-32.55	63.0	SO312	.03070	8.5998	0.4	V
9008	21851.00	45 53N	73 24E	86.1	189.3	2.390	-32.55	63.0	SO312	.03070	8.4595	0.4	A
9009	22007.60	34 37N	71 43E	75.2	187.9	2.881	3.15	71.0	SO312	.03070	9.6727	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
740 9010	22015.40	34 13N	72 2E	79.8	187.9	2.738	18.20	71.5	S0312	.02200	9.2023	0.4	V
9011	22021.80	34 2N	71 31E	75.5	187.8	2.881	1.40	71.3	S0312	.02200	9.5902	0.8	A
9012	22042.20	32 24N	71 28E	77.7	187.7	2.881	12.60	72.2	S0312	.02200	9.4581	0.4	V
9013	22045.00	32 24N	71 28E	78.8	187.7	2.881	12.95	72.2	S0312	.02200	9.1858	0.4	A
9014	22074.60	30 2N	70 36E	76.2	187.5	3.092	-1.40	72.8	S0312	.02200	9.5324	1.0	F
9015	22080.20	30 1N	70 36E	76.4	187.5	3.092	-0.35	72.8	S0312	.02200	9.4829	0.8	A
741 9001	26827.60	67 30N	64 20E	82.9	197.4	1.484	21.35	44.3	S0312	.02200	8.7566	1.0	F
9002	26833.40	67 30N	64 21E	83.2	197.1	1.338	22.05	44.3	S0312	.02200	8.7153	1.2	A
9003	26970.60	58 7N	56 57E	74.8	192.4	2.037	-0.70	53.0	S0312	.03070	9.7140	0.4	F
9004	26974.80	58 2N	56 36E	74.3	192.3	1.826	-7.70	53.0	S0312	.04070	9.8873	0.6	V
9005	26977.60	58 2N	56 35E	75.2	192.2	2.037	-8.05	53.0	S0312	.04070	9.6644	0.6	A
9006	26984.80	57 15N	55 24E	82.8	192.1	1.690	-26.95	53.6	S0312	.03070	8.7484	0.8	F
9007	26987.60	57 16N	55 24E	81.6	192.0	1.690	-26.60	53.6	S0312	.03070	8.9959	1.0	V
9008	27003.00	56 17N	54 17E	94.2	191.7	1.484	-39.55	54.3	S0312	.03070	7.7662	0.6	V
9009	27006.40	56 17N	54 17E	95.1	191.6	1.690	-39.55	54.3	S0312	.03070	7.6507	0.6	A
9010	27021.00	54 41N	55 36E	74.8	191.3	2.181	3.15	56.1	S0312	.04070	9.7140	0.6	F
9011	27023.60	54 41N	55 36E	74.0	191.3	2.181	3.50	56.1	S0312	.04070	9.9285	0.6	V
9012	27038.20	54 27N	55 38E	78.8	191.0	2.181	16.80	57.3	S0312	.03070	9.2188	0.8	F
9013	27041.00	53 26N	55 38E	78.1	190.9	2.181	17.15	57.3	S0312	.03070	9.4003	0.8	V
9014	27053.00	52 21N	55 45E	87.1	190.7	2.037	29.05	58.4	S0312	.03070	8.3687	0.8	F
9015	27056.00	52 22N	55 43E	85.9	190.7	1.826	29.05	58.4	S0312	.03070	8.5420	1.0	V
9016	27062.00	51 48N	55 13E	81.9	190.6	2.037	22.40	58.8	S0312	.03070	8.8969	0.4	F
9017	27065.80	51 34N	54 57E	79.3	190.5	2.037	18.20	58.9	S0312	.03070	9.1775	0.6	F
9018	27068.60	51 34N	54 57E	78.6	190.5	2.037	18.55	58.9	S0312	.03070	9.3508	1.6	V
9019	27072.60	51 29N	54 56E	79.7	190.4	2.037	18.90	59.0	S0312	.03070	9.0867	0.4	A
9020	27115.00	48 9N	54 7E	85.6	189.8	2.181	27.30	61.9	S0312	.03070	8.5255	0.8	F
9021	27118.00	48 9N	54 8E	85.0	189.8	2.181	27.65	61.9	S0312	.03070	8.6658	2.0	V
9022	27122.20	48 5N	54 5E	86.0	189.7	2.181	27.65	62.0	S0312	.03070	8.4265	1.0	A
9023	27163.20	45 26N	51 46E	76.7	189.2	2.530	-16.45	63.6	S0312	.03070	9.4829	0.4	A
9024	27188.80	43 42N	51 9E	78.3	189.0	2.530	-20.30	64.9	S0312	.03070	9.2848	0.4	A
9025	27230.00	40 29N	50 12E	80.8	188.6	2.530	-24.85	67.1	S0312	.03070	8.9547	0.6	F
9026	27234.60	40 24N	49 57E	84.3	188.5	2.530	-31.15	67.0	S0312	.03070	8.6988	0.4	V
9027	27237.20	40 26N	49 55E	85.7	188.5	2.530	-31.50	67.0	S0312	.03070	8.4843	1.0	A
9028	27350.20	32 27N	48 9E	85.1	187.7	2.738	-30.80	71.4	S0312	.03070	8.6246	0.6	V
9029	27353.40	32 26N	48 9E	85.9	187.7	2.738	-30.45	71.4	S0312	.03070	8.4678	0.6	A
9030	27361.60	31 24N	48 35E	76.3	187.6	3.092	-9.10	72.2	S0312	.03070	9.4994	0.6	F
9031	27364.40	31 24N	48 35E	75.5	187.6	3.092	-8.75	72.2	S0312	.03070	9.7222	0.6	V
9032	27374.20	30 35N	47 49E	85.4	187.6	2.738	-29.40	72.0	S0312	.03070	8.4595	0.8	F
9033	27377.40	30 34N	47 49E	84.2	187.5	2.738	-29.05	72.1	S0312	.03070	8.7071	0.6	V
9034	27382.60	30 27N	47 40E	87.7	187.5	2.881	-32.20	72.0	S0312	.01650	8.2779	0.8	A
9035	27392.20	29 18N	48 3E	77.5	187.5	3.092	-12.60	72.8	S0312	.03070	9.3591	0.6	F
9036	27395.00	29 18N	48 2E	76.5	187.5	3.092	-12.25	72.8	S0312	.03070	9.5819	1.6	V
9037	27399.00	29 13N	48 1E	77.4	187.4	3.092	-11.90	72.8	S0312	.03070	9.3673	0.4	A
9038	27455.40	24 59N	46 42E	86.5	187.2	2.881	-29.40	72.9	S0312	.03070	8.3440	0.8	F
9039	27459.40	24 42N	46 45E	84.4	187.2	2.881	-25.90	73.0	S0312	.03070	8.5503	0.8	F
9040	27465.60	24 42N	46 45E	84.0	187.1	3.092	-25.20	73.0	S0312	.03070	8.6411	0.6	A
9041	27632.00	12 48N	44 52E	83.4	186.7	3.439	-13.65	69.4	S0312	.03070	8.6658	0.6	F
9042	27635.00	12 47N	44 51E	82.5	186.7	3.439	-13.30	69.4	S0312	.03070	8.8721	0.6	V
9043	27638.20	12 47N	44 52E	83.4	186.7	3.439	-12.60	69.4	S0312	.03070	8.6658	0.4	A
9044	27665.00	10 27N	45 1E	85.3	186.6	3.232	9.80	68.4	S0312	.03070	8.5008	0.8	F
9045	27667.80	10 28N	45 1E	84.5	186.6	3.232	9.80	68.4	S0312	.04070	8.6493	1.0	V
9046	27679.60	9 44N	44 12E	84.6	186.6	3.439	-17.50	67.4	S0312	.03070	8.6411	0.6	V
9047	27682.80	9 44N	44 13E	85.5	186.6	3.439	-16.80	67.4	S0312	.03070	8.4512	0.6	A
9048	27721.80	6 46N	44 16E	84.8	186.6	3.232	6.30	65.8	S0312	.03070	8.6081	0.6	V
9049	27725.00	6 46N	44 16E	86.1	186.5	3.439	6.30	65.8	S0312	.03070	8.3522	0.6	A
9050	27774.80	3 7N	43 44E	88.4	186.5	3.232	9.80	63.1	S0312	.03070	8.2532	0.6	V
9051	27778.20	3 7N	43 44E	89.8	186.5	3.232	10.15	63.1	S0312	.03070	7.9973	0.6	A
9052	27826.00	0 20S	42 34E	89.2	186.5	3.587	-12.25	59.9	S0312	.03070	8.1624	1.0	V
9053	27829.40	0 20S	42 34E	90.4	186.5	3.587	-11.90	59.9	S0312	.03070	7.9561	0.8	A
742 9001	32136.00	67 42N	40 58E	75.3	197.3	1.338	-0.70	44.1	S0312	.04070	9.7470	0.4	V
9002	32138.80	67 42N	40 59E	76.2	197.2	1.338	-0.35	44.1	S0312	.04070	9.5241	0.4	A
9003	32146.20	67 8N	41 15E	78.3	196.8	1.338	12.25	44.7	S0312	.04070	9.2600	0.4	A
9004	32178.60	64 38N	40 44E	93.1	195.4	1.338	34.65	47.1	S0312	.03070	7.8983	0.8	V
9005	32182.00	64 38N	40 44E	94.1	195.3	1.338	34.65	47.1	S0312	.02200	7.6920	0.8	A
9006	32258.20	59 33N	35 25E	74.0	192.9	1.826	-3.50	51.7	S0312	.04070	9.9203	0.6	V
9007	32261.00	59 33N	35 24E	74.9	192.8	1.826	-3.50	51.7	S0312	.04070	9.6892	0.6	A
9008	32266.00	59 12N	35 21E	74.9	192.7	1.826	-0.70	52.0	S0312	.04070	9.6974	0.4	A
9009	32279.00	57 55N	35 4E	75.6	192.3	2.037	6.65	53.2	S0312	.04070	9.6149	0.6	F
9010	32286.60	57 40N	34 7E	75.2	192.2	1.826	-12.95	53.3	S0312	.04070	9.7635	0.6	V
9011	32289.40	57 40N	34 7E	76.1	192.1	2.037	-12.95	53.3	S0312	.04070	9.5571	0.6	A
9012	32297.60	56 60N	34 56E	77.7	191.9	1.826	14.35	54.1	S0312	.03070	9.3343	0.4	A
9013	32326.60	54 50N	32 3E	87.0	191.3	1.690	-32.55	55.7	S0312	.03070	8.3274	0.6	F
9014	32329.60	54 51N	32 2E	86.0	191.3	1.690	-32.55	55.7	S0312	.03070	8.5420	0.6	V
9015	32345.40	53 31N	33 54E	82.8	191.0	2.037	25.20	57.3	S0312	.03070	8.8639	0.8	V
9016	32348.40	53 31N	33 54E	83.9	190.9	1.826	25.55	57.3	S0312	.03070	8.6328	0.8	A
9017	32363.40	52 20N	31 11E	86.5	190.7	1.826	-32.20	57.8	S0312	.03070	8.3605	0.8	F
9018	32366.40	52 20N	31 10E	85.5	190.6	1.826	-32.20	57.8	S0312	.03070	8.5833	0.8	V
9019	32374.20	51 34N	31 19E	79.9	190.5	2.037	-23.45	58.6	S0312	.03070	9.0702	0.6	F
9020	32377.00	51 34N	31 19E	78.8	190.5	2.037	-23.10	58.6	S0312	.03070	9.3261	0.6	V
9021	32383.60	50 57N	30 46E	85.5	190.3	1.826	-31.15	59.0	S0312	.03070	8.4595	0.8	F
9022	32386.60	50 57N	30 46E	84.3	190.3	2.037	-31.15	59.0	S0312	.03070	8.7153	0.8	V
9023	32392.00	50 38N	30 13E	93.9	190.2	1.826	-39.90	59.2	S0312	.03070	7.8075	0.8	V
9024	32395.40	50 38N	30 12E	95.0	190.2	1.826	-39.90	59.1	S0312	.03070	7.6590	0.8	A
9025	32400.80	49 46N	30 30E	83.6	190.1	2.037	-29.05	60.0	S0312	.03070	8.6658	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
742 9026	32403.60	49 47N	30 30E	82.3	190.1	2.037	-28.70	60.0	S0312	.03070	8.9217	0.8	V
9027	32410.40	49 6N	30 23E	82.0	190.0	2.037	-26.95	60.6	S0312	.03070	8.8309	0.4	F
9028	32414.80	48 49N	30 12E	83.5	189.9	2.037	-29.05	60.8	S0312	.03070	8.6741	0.8	F
9029	32418.80	48 45N	30 3E	84.8	189.8	2.037	-31.85	60.8	S0312	.03070	8.6658	0.4	V
9030	32422.00	48 45N	30 3E	85.5	189.8	2.037	-31.50	60.8	S0312	.03070	8.5173	0.4	A
9031	32427.20	48 20N	30 21E	78.4	189.7	2.390	-21.00	61.3	S0312	.03070	9.2765	0.4	A
9032	32431.60	47 52N	29 54E	82.4	189.7	2.181	-29.05	61.6	S0312	.03070	8.8969	0.6	V
9033	32434.60	47 52N	29 55E	83.2	189.6	2.181	-28.70	61.6	S0312	.03070	8.7401	0.6	A
9034	32440.20	47 25N	30 17E	76.1	189.6	2.390	-15.05	62.1	S0312	.03070	9.5489	0.4	A
9035	32445.80	46 54N	29 36E	83.1	189.5	2.181	-29.75	62.3	S0312	.03070	8.8309	0.8	V
9036	32448.80	46 54N	29 36E	83.8	189.5	2.181	-29.40	62.3	S0312	.03070	8.6741	0.8	A
9037	32454.60	46 6N	29 17E	85.9	189.4	2.037	-31.85	62.9	S0312	.03070	8.4182	0.6	F
9038	32457.60	46 6N	29 17E	84.6	189.4	2.037	-31.50	62.9	S0312	.03070	8.6823	0.6	V
9039	32568.60	38 29N	27 14E	88.1	188.3	2.390	-35.00	68.2	S0312	.03070	8.3274	0.4	V
9040	32571.80	38 30N	27 14E	88.9	188.3	2.390	-34.65	68.2	S0312	.03070	8.1871	0.4	A
9041	32672.00	31 30N	26 23E	77.1	187.6	3.092	-12.60	72.1	S0312	.03070	9.4086	0.4	A
743 9001	37615.80	55 42N	12 37E	81.9	191.7	2.037	22.05	55.3	S0312	.03070	8.8969	0.4	F
9002	37618.60	55 43N	12 37E	81.0	191.6	1.826	22.40	55.3	S0312	.03070	9.0867	0.6	V
9003	37621.60	55 43N	12 36E	82.0	191.5	1.826	22.40	55.3	S0312	.03070	8.8474	0.6	A
9004	37642.40	53 59N	11 16E	75.5	191.1	2.181	7.35	56.8	S0312	.04070	9.6397	0.6	F
9005	37645.00	53 60N	11 16E	74.7	191.1	2.181	7.70	56.8	S0312	.04070	9.8377	0.6	V
9006	37651.80	53 27N	11 51E	84.2	191.0	1.826	26.95	57.4	S0312	.03070	8.7401	0.6	V
9007	37654.80	53 27N	11 51E	85.5	190.9	1.826	27.30	57.4	S0312	.03070	8.4760	0.8	A
9008	37664.20	52 23N	11 31E	86.5	190.8	2.037	28.35	58.3	S0312	.03070	8.4265	0.8	F
9009	37667.20	52 23N	11 30E	85.6	190.7	1.826	28.70	58.3	S0312	.03070	8.5915	1.0	V
9010	37673.00	51 50N	10 59E	81.1	190.6	2.037	21.35	58.7	S0312	.03070	8.9877	0.6	F
9011	37675.80	51 50N	10 59E	80.4	190.6	2.037	21.70	58.7	S0312	.03070	9.1445	0.6	V
9012	37679.40	51 24N	10 50E	81.5	190.5	2.037	22.05	59.1	S0312	.03070	8.9299	0.6	F
9013	37685.40	51 1N	10 29E	78.3	190.4	2.181	16.45	59.4	S0312	.03070	9.3013	0.8	F
9014	37688.20	51 1N	10 29E	77.6	190.4	2.181	16.80	59.4	S0312	.03070	9.4829	0.8	V
9015	37693.20	50 52N	10 29E	79.1	190.3	2.181	18.55	59.5	S0312	.03070	9.1693	0.6	A
9016	37706.40	50 9N	8 41E	80.4	190.1	2.181	-24.50	59.8	S0312	.03070	9.0537	0.6	A
9017	37715.40	49 8N	8 26E	79.5	190.0	2.181	-23.10	60.6	S0312	.03070	9.1197	0.8	F
9018	37718.20	49 8N	8 27E	78.4	189.9	2.181	-22.75	60.6	S0312	.03070	9.3756	0.8	V
9019	37723.60	48 54N	8 45E	75.3	189.9	2.390	-11.90	60.9	S0312	.03070	9.6479	0.8	A
9020	37807.60	43 5N	5 58E	95.2	188.9	2.037	-40.95	65.0	S0312	.01650	7.7085	0.4	V
9021	37811.00	43 5N	5 58E	95.9	188.9	2.037	-40.60	65.0	S0312	.01650	7.5929	0.6	A
9022	37895.60	36 47N	5 5E	81.7	188.1	2.530	-25.55	69.4	S0312	.03070	8.8474	1.6	F
9023	37903.20	36 13N	5 25E	75.1	188.1	2.738	-10.15	70.0	S0312	.03070	9.6562	0.8	F
9024	37906.00	36 13N	5 24E	74.3	188.1	2.738	-9.80	70.0	S0312	.03070	9.8873	0.6	V
9025	38347.60	5 35N	0 11W	86.3	186.5	3.439	3.85	64.8	S0312	.03070	8.3852	1.0	F
9026	38350.60	5 35N	0 12W	85.5	186.5	3.439	4.20	64.9	S0312	.03070	8.5338	0.8	V
9027	38354.00	5 35N	0 11W	86.8	186.5	3.439	4.90	64.9	S0312	.03070	8.2779	1.0	A
745 9001	49123.20	5 27S	45 13W	121.9	186.5	2.037	38.15	56.4	S0312	.02200	5.8268	1.4	A
9002	49275.00	15 46S	47 52W	104.2	186.8	3.092	13.30	46.6	S0312	.04070	6.8254	0.6	A
9003	49318.60	19 12S	48 56W	101.6	186.9	3.439	-1.75	43.2	S0312	.03070	7.0482	1.0	F
9004	49330.80	20 5S	48 42W	105.6	186.9	3.092	10.85	42.6	S0312	.03070	6.7924	1.4	F
9005	49337.20	20 33S	48 36W	109.0	186.9	2.881	16.45	42.2	S0312	.03070	6.5696	1.4	F
9006	49344.80	20 32S	48 29W	112.7	187.0	2.530	20.65	42.3	S0312	.03070	6.2807	1.0	A
9007	49352.80	21 5S	47 45W	139.1	187.0	1.826	39.20	42.2	S0312	.02200	5.0840	1.4	A
9008	49419.40	25 57S	51 37W	129.3	187.2	3.092	-36.75	36.3	S0312	.03070	5.4967	1.4	F
9009	49444.60	27 38S	52 16W	139.4	187.3	2.738	-40.95	34.6	S0312	.02200	5.0923	1.0	F
9010	49452.00	28 11S	51 30W	115.9	187.4	3.092	-23.10	34.5	S0312	.03070	6.1404	0.8	F
9011	49465.20	28 41S	49 25W	135.6	187.4	1.826	33.25	34.9	S0312	.03070	5.1996	1.4	A
9012	49504.00	31 41S	52 20W	120.1	187.6	3.092	-23.45	31.1	S0312	.03070	5.9258	1.0	F
746 9001	54247.60	6 41N	66 39W	84.4	186.5	3.587	-9.80	65.4	S0312	.03070	8.6493	0.8	V
9002	54264.80	5 39N	66 6W	92.4	186.5	2.881	19.25	65.2	S0312	.02200	7.7580	1.4	A
9003	54492.20	9 56S	67 48W	136.2	186.6	1.690	43.05	52.5	S0312	.02200	5.1996	1.6	A
9004	54521.20	12 14S	70 51W	115.2	186.7	3.232	-35.70	49.0	S0312	.02200	6.1982	1.4	F
9005	54602.80	17 58S	70 14W	106.5	186.8	3.092	15.75	44.6	S0312	.01650	6.7429	1.0	F
9006	54609.60	18 26S	70 19W	107.4	186.8	3.092	16.10	44.2	S0312	.03070	6.6851	1.2	F
9007	54614.20	18 29S	70 17W	107.5	186.9	2.881	17.85	44.2	S0312	.03070	6.7264	0.6	V
9008	54618.40	18 30S	70 17W	109.4	186.9	2.881	18.20	44.2	S0312	.03070	6.4953	0.4	A
9009	54636.80	20 6S	69 45W	132.2	186.9	2.037	37.45	43.0	S0312	.02200	5.4554	0.6	V
9010	54638.60	20 14S	69 46W	132.7	186.9	2.037	37.45	42.9	S0312	.02200	5.4389	0.6	V
9011	54641.80	20 6S	69 45W	135.3	186.9	1.826	38.15	43.0	S0312	.02200	5.2326	0.6	A
9012	54646.00	20 23S	69 36W	143.6	186.9	1.484	41.65	42.9	S0312	.01650	4.9272	0.6	A
9013	54877.40	36 43S	73 2W	142.8	188.1	2.037	32.90	27.2	S0312	.02200	4.9932	1.4	F
9014	54882.60	36 60S	73 31W	132.3	188.1	2.037	25.90	26.8	S0312	.03070	5.3811	0.6	F
9015	54889.00	36 47S	73 13W	140.4	188.1	1.826	31.15	27.1	S0312	.03070	5.0097	0.8	A
747 9001	59663.20	0 53S	89 33W	92.2	186.5	3.232	10.85	59.8	S0312	.03070	7.7662	0.6	A
749 9001	70567.80	21 45S	138 51W	118.4	187.0	3.232	-31.50	40.3	S0312	.03070	6.0166	1.2	F
9002	70572.00	21 45S	138 50W	116.5	187.0	3.232	-30.80	40.4	S0312	.03070	6.1982	2.0	V
9003	70577.80	21 51S	138 51W	117.7	187.0	3.439	-30.45	40.3	S0312	.03070	6.0826	0.6	A
751 9001	81118.00	17 39S	178 51E	101.5	186.8	3.439	0.35	44.7	S0312	.03070	7.0647	1.0	F
9002	81511.60	43 33S	172 42E	125.2	189.0	2.738	-7.70	19.9	S0312	.05390	5.6370	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
752 9001	85227.00	64 48N	177 55E	75.6	195.4	1.484	3.85	46.9	SO312	.04070	9.7222	0.6	V
9002	85229.80	64 48N	177 56E	76.5	195.3	1.484	4.20	46.9	SO312	.04070	9.4911	0.6	A
753 9001	4426.40	44 57N	147 38E	81.5	189.2	2.390	21.70	64.5	SO312	.02200	8.9382	1.0	F
9002	4432.20	44 57N	147 39E	82.1	189.2	2.181	22.75	64.5	SO312	.02200	8.8226	1.0	A
754 9001	9614.60	53 46N	127 14E	76.0	191.0	2.181	-12.95	56.9	SO312	.03070	9.5654	0.4	A
9002	9633.20	51 56N	128 4E	84.6	190.6	2.181	25.90	58.8	SO312	.03070	8.5998	1.2	F
9003	9635.40	51 47N	128 0E	84.6	190.6	2.181	25.90	58.9	SO312	.03070	8.5998	0.4	F
9004	9637.40	51 39N	127 57E	84.5	190.6	2.181	25.90	59.0	SO312	.03070	8.6081	0.6	F
9005	9640.40	51 34N	127 57E	83.9	190.5	2.181	26.25	59.1	SO312	.03070	8.7484	0.4	V
9006	9645.60	51 16N	128 1E	87.9	190.4	2.037	30.80	59.4	SO312	.03070	8.3687	0.8	V
9007	9648.80	51 16N	128 1E	89.1	190.4	1.826	31.15	59.4	SO312	.03070	8.1376	0.8	A
9008	9662.00	50 23N	127 27E	84.4	190.2	2.037	25.90	60.1	SO312	.02200	8.5750	0.6	A
9009	9666.40	49 52N	127 20E	84.5	190.1	2.037	27.30	60.6	SO312	.02200	8.6988	0.6	V
9010	9669.60	49 52N	127 20E	85.8	190.1	2.037	27.65	60.6	SO312	.02200	8.4347	0.6	A
9011	9703.00	47 38N	126 6E	78.2	189.6	2.390	15.40	62.3	SO312	.03070	9.2683	1.0	A
9012	9751.40	43 53N	125 20E	84.3	189.1	2.390	25.55	65.4	SO312	.02200	8.6493	0.8	F
9013	9754.40	43 53N	125 19E	83.2	189.0	2.181	25.55	65.4	SO312	.03070	8.8474	0.4	V
9014	9763.20	43 12N	124 18E	74.3	188.9	2.738	-0.35	65.6	SO312	.02200	9.7800	1.0	F
9015	9768.60	43 11N	124 18E	74.5	188.9	2.738	0.35	65.6	SO312	.02200	9.7470	0.8	A
9016	9782.80	41 54N	123 26E	77.1	188.8	2.530	-17.50	66.3	SO312	.03070	9.4168	0.8	F
9017	9788.20	41 54N	123 27E	76.7	188.7	2.738	-16.45	66.3	SO312	.03070	9.4746	1.0	A
9018	9796.40	41 15N	124 4E	76.4	188.6	2.530	10.50	67.1	SO312	.02200	9.4911	0.6	A
9019	9804.40	40 13N	124 31E	89.8	188.6	2.390	31.15	68.2	SO312	.03070	8.1129	4.2	F
9020	9812.00	40 9N	124 25E	88.3	188.5	2.181	29.75	68.2	SO312	.03070	8.1954	4.2	A
9021	9827.20	39 2N	122 44E	76.0	188.4	2.738	-16.45	68.3	SO312	.03070	9.6644	0.6	V
9022	9854.80	37 10N	122 1E	80.2	188.2	2.738	-25.20	69.2	SO312	.02200	9.1527	0.4	V
9023	9925.40	32 7N	120 57E	81.1	187.7	2.881	-23.80	71.7	SO312	.03070	8.9134	0.6	F
9024	9936.20	31 17N	121 34E	76.7	187.6	3.092	5.60	72.6	SO312	.04070	9.4829	0.4	F
9025	9938.80	31 18N	121 34E	75.9	187.6	2.881	5.95	72.6	SO312	.04070	9.6809	0.4	V
9026	9943.80	30 59N	121 13E	75.1	187.6	3.092	-4.90	72.5	SO312	.03070	9.7800	0.4	V
9027	9946.40	30 60N	121 13E	76.0	187.6	3.092	-4.55	72.5	SO312	.03070	9.5406	0.6	A
9028	9958.20	29 53N	121 57E	89.1	187.5	2.530	29.40	73.6	SO312	.02200	8.2532	0.4	V
9029	9961.40	29 53N	121 58E	90.9	187.5	2.530	30.10	73.6	SO312	.02200	7.9478	0.4	A
9030	9970.00	29 6N	121 35E	84.3	187.4	2.738	23.45	73.7	SO312	.03070	8.7071	0.4	V
9031	9974.60	28 35N	121 26E	84.1	187.4	2.738	21.70	73.7	SO312	.02200	8.6658	0.6	F
9032	9977.40	28 36N	121 25E	83.2	187.4	2.738	21.70	73.7	SO312	.02200	8.8226	0.8	V
9033	9986.40	28 3N	120 41E	75.7	187.4	3.092	-1.75	73.3	SO312	.04070	9.6974	0.6	V
9034	9989.40	28 2N	120 40E	76.7	187.4	3.092	-1.40	73.3	SO312	.04070	9.4499	0.4	A
9035	9993.40	27 45N	120 42E	77.0	187.3	3.092	2.10	73.5	SO312	.03070	9.4003	0.4	A
9036	9999.60	27 20N	120 27E	76.5	187.3	3.232	-4.55	73.4	SO312	.03070	9.4746	0.4	A
9037	10001.00	27 15N	120 26E	76.9	187.3	3.232	-4.55	73.4	SO312	.03070	9.4251	1.2	A
9038	10005.20	26 57N	120 24E	76.0	187.3	3.232	-3.85	73.5	SO312	.03070	9.5324	0.6	A
9039	10014.00	26 1N	119 33E	85.6	187.2	2.881	-29.05	72.9	SO312	.03070	8.4265	0.6	F
9040	10017.80	25 58N	119 27E	86.7	187.2	2.881	-31.15	72.9	SO312	.03070	8.4430	0.6	V
9041	10022.40	25 39N	119 29E	84.4	187.2	2.881	-28.00	73.0	SO312	.03070	8.6823	0.6	V
9042	10026.20	25 36N	119 27E	85.9	187.2	3.092	-28.70	73.0	SO312	.03070	8.4595	0.6	A
9043	10042.80	24 19N	120 31E	85.4	187.1	2.738	21.70	74.1	SO312	.03070	8.4347	0.8	A
9044	10298.60	6 22N	116 28E	85.3	186.5	3.587	-9.10	65.1	SO312	.03070	8.4678	0.4	F
9045	10301.60	6 22N	116 29E	84.4	186.5	3.587	-8.40	65.1	SO312	.03070	8.6576	0.4	V
9046	10305.80	6 4N	116 34E	83.0	186.5	3.587	-2.80	65.0	SO312	.03070	8.7979	0.8	V
9047	10309.00	6 4N	116 33E	84.2	186.5	3.587	-2.45	65.0	SO312	.03070	8.5585	0.6	A
9048	10441.20	3 26S	114 48E	90.9	186.5	3.587	-7.00	57.3	SO312	.03070	7.9231	0.4	F
9049	10444.40	3 26S	114 49E	90.0	186.5	3.587	-6.30	57.3	SO312	.03070	8.0881	0.4	V
9050	10449.20	3 46S	114 47E	90.2	186.5	3.587	-5.25	57.0	SO312	.03070	8.0716	0.8	V
9051	10452.60	3 46S	114 47E	91.4	186.5	3.587	-4.90	57.0	SO312	.03070	7.8488	0.6	A
755 9001	14738.80	65 56N	112 20E	75.5	196.1	1.484	2.80	45.9	SO312	.04070	9.7305	0.4	V
9002	14741.60	65 56N	112 21E	76.4	196.0	1.484	3.15	45.9	SO312	.04070	9.5076	0.4	A
9003	14938.60	52 24N	104 12E	80.1	190.7	2.037	-23.80	58.0	SO312	.02200	9.0455	0.8	F
9004	14941.40	52 24N	104 13E	79.0	190.6	2.037	-23.45	58.0	SO312	.03070	9.3013	0.8	V
9005	14944.60	52 23N	104 12E	79.7	190.6	2.037	-23.10	58.0	SO312	.03070	9.1280	0.6	A
9006	15103.80	41 6N	100 32E	87.2	188.6	2.181	-33.95	66.6	SO312	.03070	8.2779	1.0	F
9007	15110.00	41 7N	100 32E	86.7	188.6	2.390	-33.60	66.6	SO312	.03070	8.3935	1.0	A
9008	15127.00	39 18N	102 2E	86.1	188.4	2.530	-28.00	68.8	SO312	.03070	8.4595	0.4	F
9009	15133.00	39 7N	101 53E	83.1	188.4	2.390	-25.55	68.9	SO312	.03070	8.8556	0.6	V
9010	15145.60	38 13N	100 15E	78.1	188.3	2.530	-22.40	68.7	SO312	.03070	9.2683	0.6	F
9011	15148.40	38 13N	100 15E	77.1	188.3	2.738	-22.40	68.7	SO312	.03070	9.5241	0.6	V
9012	15161.00	37 24N	101 37E	88.6	188.2	2.181	31.50	70.1	SO312	.02200	8.1541	0.6	A
9013	15171.00	36 35N	100 30E	72.5	188.1	2.881	0.35	70.0	SO312	.04070	10.1266	0.4	V
9014	15173.60	36 36N	100 30E	73.5	188.1	2.881	0.70	70.0	SO312	.04070	9.8790	0.4	A
756 9001	20176.00	57 2N	85 39E	79.9	192.1	2.037	18.20	54.2	SO312	.03070	9.1032	0.6	F
9002	20181.80	56 43N	84 55E	75.3	191.9	2.037	4.55	54.4	SO312	.04070	9.6479	0.6	F
9003	20183.00	56 38N	84 53E	75.3	191.9	2.037	4.55	54.5	SO312	.04070	9.6479	0.8	F
9004	20187.20	56 43N	84 55E	75.4	191.8	2.037	5.25	54.4	SO312	.04070	9.6232	2.0	A
9005	20203.20	55 24N	82 55E	84.5	191.5	1.690	-29.40	55.3	SO312	.03070	8.5668	0.6	F
9006	20207.60	55 5N	82 59E	81.7	191.4	1.690	-25.55	55.7	SO312	.03070	8.8639	0.6	F
9007	20213.40	55 5N	82 59E	81.3	191.3	2.037	-25.20	55.7	SO312	.03070	8.9464	0.6	A
9008	20219.60	54 36N	83 18E	76.1	191.2	2.181	-13.65	56.2	SO312	.03070	9.5406	0.6	A
9009	20233.20	53 5N	84 27E	87.6	190.9	2.037	29.40	57.8	SO312	.03070	8.3192	0.6	F
9010	20236.40	53 4N	84 26E	86.7	190.9	1.826	29.75	57.9	SO312	.03070	8.4925	0.4	V
9011	20242.00	52 35N	83 37E	78.1	190.8	2.037	15.40	58.2	SO312	.03070	9.3178	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
756 9012	20243.00	52 31N	83 36E	78.1	190.8	2.037	15.40	58.2	SO312	.03070	9.3261	0.6	F
9013	20245.80	52 31N	83 36E	77.3	190.7	2.037	15.75	58.2	SO312	.03070	9.5076	0.6	V
9014	20249.20	52 16N	83 32E	77.6	190.7	2.037	16.45	58.4	SO312	.03070	9.4664	0.6	V
9015	20252.20	52 16N	83 32E	78.7	190.6	2.037	16.80	58.4	SO312	.03070	9.2023	0.4	A
9016	20262.60	51 37N	82 36E	74.3	190.4	2.390	-2.45	58.8	SO312	.03070	9.7717	0.6	A
9017	20269.60	51 10N	82 13E	74.7	190.3	2.390	-8.75	59.2	SO312	.03070	9.7305	0.6	A
9018	20285.00	49 48N	81 14E	79.9	190.1	2.181	-23.80	60.2	SO312	.03070	9.0537	0.4	F
9019	20287.60	49 37N	81 10E	80.1	190.1	2.181	-24.15	60.3	SO312	.03070	9.0290	0.6	F
9020	20290.40	49 38N	81 9E	79.2	190.0	2.181	-24.15	60.3	SO312	.03070	9.2683	0.8	V
9021	20293.80	49 12N	81 1E	80.2	190.0	2.181	-24.50	60.6	SO312	.03070	9.0207	0.4	F
9022	20296.60	49 12N	81 1E	79.1	189.9	2.181	-24.15	60.6	SO312	.03070	9.2765	0.4	V
9023	20299.80	48 59N	81 1E	78.1	189.9	2.181	-22.40	60.9	SO312	.03070	9.3921	0.6	V
9024	20302.60	48 59N	81 1E	78.8	189.9	2.390	-22.05	60.9	SO312	.03070	9.2353	0.8	A
9025	20316.20	47 53N	80 27E	81.7	189.7	2.181	-28.35	61.7	SO312	.02200	8.9794	0.8	V
9026	20319.20	47 53N	80 26E	82.7	189.6	2.181	-28.35	61.7	SO312	.02200	8.7896	0.8	A
9027	20339.40	46 11N	80 58E	73.5	189.4	2.530	1.40	63.4	SO312	.03070	10.0028	0.6	V
9028	20512.20	34 11N	77 34E	75.8	187.9	2.881	-9.45	71.1	SO312	.02200	9.5654	0.8	F
9029	20517.60	34 11N	77 35E	75.8	187.8	2.881	-8.40	71.1	SO312	.02200	9.5737	0.8	A
9030	20556.40	31 23N	76 22E	84.3	187.6	2.738	-29.75	71.8	SO312	.02200	8.6988	0.8	V
9031	20559.40	31 24N	76 22E	85.1	187.6	2.738	-29.40	71.9	SO312	.02200	8.5420	1.0	A
9032	20567.20	30 23N	76 50E	76.1	187.5	3.092	-6.30	72.7	SO312	.02200	9.5406	1.0	F
9033	20572.60	30 24N	76 50E	76.1	187.5	3.092	-5.60	72.7	SO312	.02200	9.5159	1.0	A
9034	20584.20	29 2N	77 43E	95.5	187.5	2.530	33.95	74.0	SO312	.01650	7.6177	1.0	F
9035	20587.60	29 2N	77 43E	94.9	187.4	2.530	34.30	74.0	SO312	.02200	7.7085	1.0	V
9036	20595.60	28 32N	77 15E	85.1	187.4	2.530	24.50	73.8	SO312	.03070	8.6081	0.6	V
9037	20598.80	28 31N	77 15E	86.5	187.4	2.530	24.85	73.8	SO312	.03070	8.3274	0.6	A
9038	20738.80	18 37N	73 53E	88.9	186.9	3.092	-29.75	71.7	SO312	.02200	8.1211	1.0	F
9039	20742.00	18 37N	73 52E	87.7	186.9	3.092	-29.40	71.7	SO312	.03070	8.3522	0.8	V
757 9001	25444.00	60 8N	64 47E	77.4	193.0	1.690	11.90	51.4	SO312	.03070	9.3673	0.4	A
9002	25494.40	56 28N	62 0E	76.0	191.8	2.037	-12.60	54.6	SO312	.03070	9.5406	0.6	F
9003	25497.20	56 27N	61 59E	75.1	191.8	2.037	-12.60	54.6	SO312	.03070	9.7717	0.6	V
9004	25506.20	55 44N	60 48E	86.9	191.6	1.690	-32.20	55.0	SO312	.03070	8.3274	0.8	F
9005	25509.20	55 44N	60 48E	85.6	191.5	1.690	-31.85	55.0	SO312	.03070	8.5833	0.8	V
9006	25516.00	55 11N	61 28E	74.9	191.4	2.037	-12.25	55.7	SO312	.04070	9.8047	0.6	V
9007	25518.80	55 10N	61 28E	75.7	191.3	2.037	-11.90	55.7	SO312	.04070	9.5984	0.6	A
9008	25523.40	54 50N	61 35E	74.7	191.2	2.037	-5.60	56.0	SO312	.03070	9.7305	0.4	A
9009	25542.40	53 13N	60 34E	76.8	190.9	2.037	-16.45	57.4	SO312	.03070	9.4416	0.4	F
9010	25543.40	53 9N	60 32E	76.8	190.9	2.037	-16.45	57.4	SO312	.03070	9.4416	0.4	F
9011	25546.00	53 9N	60 33E	75.8	190.8	2.037	-16.10	57.4	SO312	.03070	9.6892	0.6	V
9012	25549.60	52 43N	60 25E	76.5	190.8	2.037	-15.75	57.8	SO312	.03070	9.4664	0.6	F
9013	25552.20	52 44N	60 25E	75.6	190.7	2.037	-15.40	57.8	SO312	.03070	9.7222	0.6	V
9014	25554.00	52 36N	60 22E	75.5	190.7	2.037	-15.40	57.9	SO312	.03070	9.7222	0.4	V
9015	25556.60	52 37N	60 23E	76.3	190.7	2.037	-15.05	57.9	SO312	.03070	9.5241	0.4	A
9016	25559.60	52 24N	60 20E	76.1	190.6	2.037	-14.35	58.1	SO312	.03070	9.5489	0.4	A
9017	25567.00	51 32N	59 59E	76.6	190.5	2.181	-16.10	58.8	SO312	.03070	9.4581	0.6	F
9018	25569.60	51 32N	59 59E	75.6	190.4	2.181	-15.75	58.8	SO312	.03070	9.7140	0.6	V
9019	25573.40	51 6N	59 51E	76.4	190.4	2.181	-15.75	59.2	SO312	.03070	9.4829	0.4	F
9020	25576.00	51 6N	59 50E	75.5	190.3	2.181	-15.75	59.2	SO312	.03070	9.7222	0.4	V
9021	25577.00	51 2N	59 49E	75.5	190.3	2.181	-15.75	59.2	SO312	.03070	9.7222	0.6	V
9022	25579.80	51 2N	59 49E	76.4	190.3	2.390	-15.75	59.2	SO312	.03070	9.5159	0.4	A
9023	25582.40	50 40N	59 41E	75.6	190.3	2.181	-16.10	59.5	SO312	.03070	9.7057	0.4	V
9024	25585.20	50 40N	59 40E	76.6	190.2	2.390	-16.45	59.5	SO312	.03070	9.4911	0.4	A
9025	25609.00	48 43N	58 6E	93.5	189.9	1.826	-38.85	60.8	SO312	.03070	7.7085	0.6	F
9026	25612.20	48 44N	58 6E	92.0	189.8	1.826	-38.50	60.8	SO312	.03070	7.9643	0.6	V
9027	25615.20	48 32N	58 3E	92.0	189.8	1.826	-38.50	61.0	SO312	.03070	7.9643	0.4	V
9028	25618.40	48 32N	58 3E	92.9	189.7	2.037	-38.50	61.0	SO312	.03070	7.8405	0.6	A
9029	25749.20	39 4N	56 16E	78.9	188.4	2.530	-21.00	68.2	SO312	.03070	9.1693	1.0	F
9030	25753.20	38 59N	56 17E	77.2	188.4	2.738	-19.25	68.3	SO312	.03070	9.5159	0.8	V
9031	25775.20	37 34N	56 54E	78.2	188.2	2.738	15.05	69.7	SO312	.03070	9.2518	1.0	A
758 9001	30544.20	73 22N	54 38E	78.7	203.6	0.995	8.05	38.6	SO312	.04070	9.2105	0.8	F
9002	30547.00	73 22N	54 39E	77.8	203.3	0.995	8.40	38.6	SO312	.04070	9.4251	0.8	V
9003	30571.80	71 34N	52 26E	79.9	201.2	1.135	13.30	40.4	SO312	.04070	9.0867	0.8	F
9004	30574.60	71 34N	52 25E	78.9	201.0	1.135	13.30	40.4	SO312	.04070	9.3096	0.8	V
9005	30577.60	71 34N	52 24E	79.8	200.8	1.135	13.30	40.4	SO312	.04070	9.0867	0.6	A
9006	30710.60	62 55N	41 46E	90.4	194.3	1.338	-35.35	48.6	SO312	.03070	8.1129	0.8	V
9007	30713.80	62 55N	41 47E	91.0	194.1	1.338	-35.00	48.6	SO312	.03070	7.9891	1.0	A
9008	30738.40	61 5N	42 11E	76.0	193.4	1.826	-10.15	50.4	SO312	.04070	9.5489	0.6	A
9009	30772.00	58 21N	41 41E	76.4	192.5	2.037	9.45	53.0	SO312	.04070	9.5076	1.2	F
9010	30776.60	58 4N	41 21E	75.4	192.4	2.037	5.25	53.2	SO312	.04070	9.6314	2.0	F
9011	30779.20	57 53N	41 16E	75.4	192.3	2.037	5.25	53.4	SO312	.04070	9.6314	0.8	F
9012	30782.20	57 52N	41 16E	74.6	192.3	2.037	5.60	53.4	SO312	.04070	9.8460	1.2	V
9013	30784.00	57 45N	41 12E	74.6	192.2	2.037	5.60	53.5	SO312	.04070	9.8460	0.4	V
9014	30785.00	57 41N	41 10E	74.6	192.2	2.037	5.60	53.6	SO312	.04070	9.8460	0.6	V
9015	30787.80	57 40N	41 11E	75.5	192.1	2.037	5.95	53.6	SO312	.04070	9.5984	0.6	A
9016	30793.40	56 56N	40 45E	75.0	192.0	2.037	3.15	54.2	SO312	.04070	9.6809	1.2	F
9017	30800.40	56 33N	39 50E	76.6	191.9	2.037	-15.05	54.5	SO312	.04070	9.4581	1.4	F
9018	30810.00	55 59N	37 59E	103.5	191.7	1.484	-44.80	54.7	SO312	.02200	6.9244	6.0	F
9019	30819.40	55 50N	38 4E	99.7	191.5	1.690	-42.70	54.8	SO312	.03070	7.3123	4.8	A
9020	30838.60	53 60N	38 12E	83.9	191.1	1.826	-29.05	56.6	SO312	.03070	8.6081	0.4	F
9021	30841.80	53 59N	38 11E	82.9	191.0	1.826	-29.05	56.6	SO312	.03070	8.8391	0.4	V
9022	30844.80	53 59N	38 11E	83.7	191.0	2.037	-29.05	56.6	SO312	.03070	8.6906	0.4	A
9023	30855.60	52 40N	39 26E	78.1	190.8	2.181	15.40	58.1	SO312	.03070	9.3013	0.8	F
9024	30861.20	52 40N	39 27E	78.5	190.7	2.037	16.45	58.1	SO312	.03070	9.2270	0.8	A
9025	30870.40	51 39N	39 9E	79.2	190.6	2.181	17.85	59.0	SO312	.03070	9.1940	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
758 9026	30873.20	51 39N	39 9E	78.5	190.5	2.181	18.20	59.0	SO312	.03070	9.3673	0.8	V
9027	30876.80	51 35N	39 10E	80.2	190.4	2.181	19.60	59.1	SO312	.03070	9.0372	0.8	A
9028	30887.20	50 48N	37 50E	74.1	190.3	2.181	-10.15	59.5	SO312	.03070	9.9038	0.4	V
9029	30893.80	50 26N	36 54E	84.0	190.2	2.037	-30.80	59.6	SO312	.03070	8.7401	0.6	V
9030	30899.20	49 52N	36 44E	85.0	190.1	2.037	-30.80	60.0	SO312	.03070	8.5090	0.6	F
9031	30902.20	49 52N	36 44E	83.7	190.1	2.037	-30.45	60.0	SO312	.03070	8.7649	0.6	V
9032	30915.00	48 37N	38 1E	78.4	189.9	2.390	16.10	61.6	SO312	.03070	9.2848	0.4	F
9033	30919.00	48 19N	38 7E	81.3	189.8	2.390	21.35	61.9	SO312	.03070	8.9712	0.4	F
9034	30921.80	48 19N	38 7E	80.4	189.8	2.181	21.70	61.9	SO312	.03070	9.1280	0.4	V
9035	30927.00	47 59N	37 48E	77.5	189.7	2.390	16.10	62.1	SO312	.03070	9.4829	0.4	V
9036	30931.00	47 33N	37 32E	76.9	189.7	2.390	12.60	62.4	SO312	.03070	9.4581	0.8	F
9037	30933.80	47 32N	37 32E	76.2	189.6	2.390	12.95	62.4	SO312	.03070	9.6479	0.8	V
9038	30938.00	47 3N	37 29E	78.1	189.6	2.390	15.40	62.8	SO312	.03070	9.3178	0.4	F
9039	30940.80	47 3N	37 29E	77.4	189.6	2.390	15.75	62.8	SO312	.03070	9.4911	0.4	V
9040	30963.20	45 24N	36 29E	74.4	189.3	2.530	0.35	64.0	SO312	.04070	9.7635	0.8	F
9041	30968.40	45 4N	36 4E	75.0	189.2	2.530	-10.15	64.1	SO312	.03070	9.6644	0.4	F
9042	30971.60	45 2N	35 59E	74.5	189.2	2.530	-11.90	64.1	SO312	.03070	9.8460	0.6	V
9043	30974.40	45 2N	35 59E	75.4	189.2	2.530	-11.90	64.1	SO312	.03070	9.6232	0.4	A
9044	31117.60	35 10N	33 55E	75.9	187.9	2.881	4.20	70.9	SO312	.03070	9.5406	0.4	A
9045	31169.00	31 8N	33 51E	91.7	187.6	2.530	31.15	73.3	SO312	.01650	7.9643	1.4	F
9046	31175.60	31 8N	33 51E	92.7	187.6	2.181	32.20	73.3	SO312	.01650	7.7910	1.4	A
9047	31182.40	30 15N	33 25E	85.6	187.5	2.738	24.50	73.4	SO312	.01650	8.5008	1.4	F
9048	31188.60	30 15N	33 25E	86.5	187.5	2.530	25.55	73.4	SO312	.01650	8.3440	1.4	A
9049	31199.80	29 9N	32 34E	76.7	187.5	3.092	2.10	73.2	SO312	.03070	9.4664	1.0	F
9050	31205.20	29 9N	32 34E	77.0	187.4	3.092	3.15	73.2	SO312	.03070	9.3921	1.2	A
9051	32031.20	27 48S	21 39E	109.9	187.3	3.232	-10.50	34.9	SO312	.03070	6.4870	0.6	F
9052	32035.20	27 48S	21 38E	108.9	187.4	3.232	-10.50	34.9	SO312	.03070	6.6108	0.8	V
9053	32039.60	27 50S	21 37E	110.5	187.4	3.232	-10.15	34.9	SO312	.03070	6.4210	0.6	A
759 9001	36132.79	54 36N	18 28E	82.8	191.3	2.037	23.45	56.5	SO312	.03070	8.7979	0.6	F
9002	36135.79	54 35N	18 28E	81.9	191.3	1.826	23.80	56.5	SO312	.03070	8.9794	0.6	V
9003	36148.19	53 59N	16 7E	82.2	191.0	1.826	-26.00	56.6	SO312	.03070	8.9464	0.4	V
9004	36151.19	53 58N	16 8E	82.7	191.0	2.037	-27.65	56.6	SO312	.03070	8.7896	0.4	A
9005	36157.19	53 18N	16 29E	75.1	190.9	2.181	-13.65	57.3	SO312	.03070	9.7965	0.6	V
9006	36159.99	53 18N	16 28E	76.0	190.8	2.181	-13.65	57.3	SO312	.03070	9.5737	0.6	A
9007	36170.99	52 27N	15 19E	86.7	190.6	1.826	-33.60	57.9	SO312	.03070	8.4843	0.6	V
9008	36174.19	52 27N	15 20E	87.2	190.6	2.037	-33.25	57.9	SO312	.03070	8.3440	0.6	A
9009	36184.19	51 14N	16 10E	74.3	190.4	2.390	-2.10	59.2	SO312	.03070	9.7717	0.4	F
9010	36186.79	51 14N	16 9E	73.4	190.4	2.181	-2.10	59.2	SO312	.03070	10.0028	0.8	V
9011	36189.79	51 13N	16 9E	74.3	190.3	2.390	-1.75	59.2	SO312	.03070	9.7635	0.6	A
9012	36197.59	50 24N	14 57E	82.1	190.2	2.037	-27.30	59.6	SO312	.03070	8.8144	0.4	F
9013	36198.59	50 20N	14 58E	82.2	190.2	2.037	-27.30	59.7	SO312	.03070	8.8061	0.4	F
9014	36201.59	50 20N	14 56E	80.8	190.2	2.037	-26.60	59.7	SO312	.03070	9.0867	1.6	V
9015	36205.39	50 16N	14 55E	81.6	190.1	2.037	-26.25	59.8	SO312	.03070	8.9217	0.8	A
9016	36211.59	49 27N	14 40E	81.6	190.0	2.037	-26.60	60.4	SO312	.03070	8.8721	0.8	F
9017	36214.59	49 26N	14 40E	80.4	190.0	2.037	-26.25	60.5	SO312	.03070	9.1280	0.6	V
9018	36219.39	49 8N	14 20E	84.7	189.9	2.037	-31.85	60.6	SO312	.03070	8.6741	1.0	V
9019	36222.59	49 7N	14 20E	85.4	189.9	2.037	-31.50	60.6	SO312	.03070	8.5255	0.8	A
9020	36254.99	46 26N	15 52E	90.5	189.5	2.037	33.25	63.5	SO312	.02200	8.1211	0.4	V
9021	36258.39	46 26N	15 53E	92.2	189.4	1.826	33.95	63.6	SO312	.02200	7.8570	0.4	A
9022	36269.99	45 21N	14 28E	74.7	189.3	2.530	3.85	64.0	SO312	.03070	9.7305	0.6	F
9023	36272.59	45 22N	14 28E	73.9	189.3	2.530	4.20	64.1	SO312	.03070	9.9450	0.8	V
9024	36280.39	44 53N	13 51E	74.5	189.2	2.530	-11.55	64.2	SO312	.04070	9.8625	0.4	V
9025	36283.19	44 52N	13 50E	75.3	189.1	2.530	-11.20	64.3	SO312	.04070	9.6479	0.4	A
760 9001	41501.79	50 28N	5 1W	86.3	190.3	2.037	29.40	60.1	SO312	.03070	8.5090	0.8	V
9002	41504.99	50 28N	5 2W	87.5	190.2	1.826	29.75	60.1	SO312	.03070	8.2779	0.8	A
761 9001	47597.39	3 45S	39 15W	99.1	186.5	2.881	21.70	57.4	SO312	.03070	7.3371	1.0	V
9002	47611.19	4 49S	40 22W	92.6	186.5	3.587	-12.60	55.9	SO312	.03070	7.7662	1.4	F
9003	47616.79	5 11S	40 41W	96.6	186.5	3.587	-21.70	55.5	SO312	.03070	7.4279	1.0	F
9004	47626.39	5 53S	40 17W	92.0	186.5	3.587	-2.80	55.2	SO312	.03070	7.8240	1.4	F
9005	47637.59	6 9S	40 40W	94.2	186.5	3.587	-14.00	54.7	SO312	.03070	7.6094	1.0	A
9006	47721.19	12 15S	40 27W	112.3	186.7	2.530	28.70	50.0	SO312	.02200	6.4540	0.6	V
9007	47728.99	12 30S	40 18W	121.3	186.7	2.181	33.95	49.9	SO312	.02200	5.8598	1.2	A
9008	47738.79	13 51S	40 5W	137.7	186.7	2.037	42.00	48.8	SO312	.02200	5.2326	0.8	F
9009	47751.19	14 11S	41 43W	97.1	186.7	3.439	-0.35	47.7	SO312	.03070	7.4526	1.4	V
9010	47763.19	14 49S	40 51W	117.3	186.7	2.530	29.75	47.7	SO312	.02200	6.0496	1.4	A
9011	47788.99	16 44S	42 24W	99.1	186.8	3.439	-7.70	45.3	SO312	.03070	7.3041	0.8	V
9012	47837.99	19 47S	43 8W	103.7	186.9	3.587	-12.25	42.4	SO312	.03070	6.8749	1.4	A
9013	47869.59	22 30S	43 14W	104.8	187.0	3.232	0.00	40.1	SO312	.02200	6.8254	0.6	F
9014	47873.39	22 30S	43 15W	103.9	187.0	3.232	0.35	40.1	SO312	.02200	6.9492	0.6	V
9015	47878.79	22 53S	43 10W	105.0	187.1	3.092	4.90	39.8	SO312	.04070	6.8867	0.6	V
9016	47882.79	22 53S	43 10W	106.7	187.1	3.092	5.25	39.8	SO312	.04070	6.6521	0.4	A
762 9001	52741.99	7 31N	60 10W	84.6	186.6	3.587	-6.30	66.0	SO312	.03070	8.5173	1.4	A
9002	52761.39	5 45N	60 18W	85.1	186.5	3.439	0.00	64.8	SO312	.03070	8.5008	1.2	F
9003	52775.59	4 50N	61 7W	92.2	186.5	3.439	-25.55	63.6	SO312	.03070	7.8075	1.4	F
9004	52781.19	4 40N	61 6W	90.1	186.5	3.439	-23.45	63.5	SO312	.03070	8.0964	1.4	V
9005	52785.39	4 37N	61 8W	91.6	186.5	3.439	-23.80	63.5	SO312	.03070	7.8818	1.4	A
9006	52802.39	3 7N	60 28W	88.8	186.5	3.232	11.55	62.9	SO312	.03070	8.2202	1.4	V
9007	52832.19	1 17N	60 28W	98.4	186.5	2.738	23.45	61.7	SO312	.02200	7.2628	1.4	A
9008	53092.19	17 1S	63 38W	109.4	186.8	2.881	20.65	45.5	SO312	.03070	6.5778	1.4	F
9009	53099.99	17 12S	64 22W	99.5	186.8	3.439	-0.35	45.0	SO312	.03070	7.2711	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
762 9010	53116.39	18 8S	62 54W	143.4	186.8	1.484	42.70	44.9	SO312	.02200	4.9355	1.4	A
9011	53122.39	18 52S	63 22W	128.0	186.9	2.037	35.70	44.0	SO312	.02200	5.6287	1.4	V
9012	53130.19	19 4S	63 30W	127.6	186.9	2.037	34.30	43.8	SO312	.02200	5.5379	1.4	A
9013	53139.59	20 3S	63 31W	130.0	186.9	2.037	37.10	42.9	SO312	.02200	5.5462	0.4	V
9014	53143.19	19 57S	63 31W	133.1	186.9	1.826	37.10	43.0	SO312	.02200	5.3151	1.4	A
9015	53162.39	21 15S	63 30W	143.5	187.0	1.484	41.30	41.9	SO312	.02200	4.9272	0.4	A
9016	53186.39	22 39S	66 30W	117.2	187.1	3.587	-31.85	39.4	SO312	.03070	6.1074	1.0	A
9017	53235.39	26 47S	65 14W	122.3	187.3	2.530	25.20	36.4	SO312	.03070	5.8433	0.4	F
9018	53244.39	26 48S	65 5W	127.9	187.3	2.037	29.40	36.5	SO312	.03070	5.5132	1.4	A
9019	53288.19	30 19S	66 16W	117.6	187.5	2.738	16.80	32.9	SO312	.03070	6.0661	1.4	F
9020	53292.39	30 19S	66 16W	117.0	187.5	2.530	17.50	32.9	SO312	.03070	6.1487	0.6	V
9021	53335.19	33 1S	68 30W	120.0	187.8	3.092	-23.80	29.7	SO312	.03070	5.9919	1.4	V
9022	53347.59	33 45S	66 39W	129.0	187.8	2.037	25.20	29.8	SO312	.03070	5.4554	0.6	A
9023	53374.39	35 28S	68 3W	115.9	188.0	2.881	1.40	27.8	SO312	.04070	6.0909	1.0	A
9024	53386.79	36 19S	68 2W	117.9	188.1	2.738	6.65	27.0	SO312	.04070	5.9836	0.6	A
9025	53426.39	38 54S	69 15W	119.0	188.4	2.881	-7.35	24.3	SO312	.04070	5.9341	1.0	A
9026	53452.59	41 17S	69 36W	119.8	188.6	2.738	-2.10	22.1	SO312	.04070	5.9258	0.8	F
9027	53462.39	41 6S	71 8W	149.2	188.7	3.092	-32.55	21.8	SO312	.03070	5.6840	1.4	A
9028	53475.19	42 0S	71 9W	134.5	188.8	2.881	-28.00	21.0	SO312	.04070	5.2491	1.0	A
9029	53489.99	43 37S	68 57W	134.0	189.0	1.826	23.45	20.3	SO312	.04070	5.3316	0.6	V
9030	53495.19	43 37S	68 56W	136.5	189.0	1.826	23.80	20.3	SO312	.04070	5.1418	0.6	A
9031	53508.39	44 59S	70 48W	123.1	189.1	2.530	-5.25	18.5	SO312	.04070	5.7443	1.0	F
9032	53518.59	45 34S	72 5W	135.0	189.3	2.530	-25.55	17.6	SO312	.04070	5.2243	0.8	F
9033	53523.19	45 33S	72 3W	133.0	189.3	2.738	-24.85	17.6	SO312	.04070	5.3729	0.8	V
9034	53531.99	45 52S	71 41W	128.5	189.4	2.738	-16.45	17.5	SO312	.03070	5.4884	1.4	A
9035	53541.19	46 31S	71 36W	126.7	189.5	2.738	-11.20	16.9	SO312	.04070	5.5544	1.0	A
9036	53575.59	49 24S	72 47W	130.5	189.9	2.390	-15.40	14.1	SO312	.04070	5.4059	1.0	F
9037	53591.79	50 17S	71 52W	127.8	190.2	2.181	5.95	13.5	SO312	.05390	5.5792	1.0	V
9038	53597.39	50 18S	72 13W	128.5	190.3	2.181	0.35	13.4	SO312	.05390	5.4554	1.2	A
9039	53601.79	50 55S	72 23W	127.2	190.3	2.181	0.70	12.8	SO312	.05390	5.6040	1.0	V
9040	53608.79	51 43S	72 30W	129.4	190.4	2.181	3.15	12.1	SO312	.05390	5.4554	0.8	F
763 9001	57820.59	22 39N	79 55W	83.4	187.0	3.092	-23.45	72.9	SO312	.03070	8.6741	5.0	F
9002	57828.99	22 30N	80 1W	84.5	187.0	3.092	-24.85	72.9	SO312	.03070	8.5998	3.0	A
764 9001	63080.99	25 41N	100 19W	82.7	187.2	2.881	19.60	74.1	SO312	.03070	8.8639	0.6	V
9002	63083.99	25 42N	100 19W	84.0	187.2	2.881	19.95	74.1	SO312	.03070	8.5915	0.8	A
9003	63137.79	21 55N	102 16W	83.8	187.0	3.092	-26.95	72.7	SO312	.03070	8.7401	0.4	V
9004	63140.99	21 55N	102 16W	84.7	187.0	3.092	-26.60	72.7	SO312	.03070	8.5750	0.4	A
765 9001	68197.39	38 41N	121 20W	92.7	188.3	2.390	-39.20	68.1	SO312	.02200	7.9065	3.0	V
768 9001	83695.99	67 52N	175 53W	90.7	197.1	1.135	-32.90	44.0	SO312	.02200	8.0138	0.6	A
769 9001	2866.99	49 39N	154 52E	75.4	190.1	2.390	7.00	60.7	SO312	.03070	9.6479	0.4	F
9002	2869.59	49 39N	154 52E	74.6	190.1	2.390	7.35	60.7	SO312	.03070	9.8543	0.4	V
770 9001	8188.19	48 49N	132 53E	80.0	189.9	2.390	18.90	61.5	SO312	.03070	9.1032	0.8	F
9002	8203.99	48 8N	132 29E	77.9	189.7	2.390	14.70	62.0	SO312	.03070	9.3096	0.6	A
9003	8246.79	44 54N	131 0E	74.3	189.2	2.530	-0.70	64.4	SO312	.03070	9.7800	1.6	F
9004	8257.19	44 7N	131 19E	78.5	189.1	2.530	16.10	65.2	SO312	.03070	9.2765	4.2	F
9005	8264.39	43 48N	131 17E	78.7	189.0	2.530	16.20	65.5	SO312	.02200	9.3425	4.2	V
9006	8271.79	43 29N	131 18E	81.7	188.9	2.530	21.70	65.8	SO312	.02200	8.8721	8.8	A
9007	8311.39	40 32N	129 7E	80.2	188.6	2.530	-24.15	67.3	SO312	.03070	9.0124	0.4	F
9008	8316.99	40 24N	128 29E	92.8	188.5	2.181	-39.20	67.1	SO312	.02200	7.8983	0.6	V
9009	8323.19	40 13N	128 27E	92.9	188.5	2.390	-38.50	67.2	SO312	.02200	7.8488	0.6	A
9010	8341.99	38 27N	128 10E	89.6	188.3	2.181	-36.05	68.4	SO312	.02200	8.0386	2.6	F
9011	8349.19	38 25N	128 3E	92.2	188.3	2.390	-38.15	68.3	SO312	.02200	7.9065	1.0	A
9012	8390.39	35 13N	128 35E	74.6	188.0	2.881	2.10	70.9	SO312	.03070	9.8460	1.0	V
9013	8973.99	5 2S	119 34E	120.7	186.5	2.881	-42.70	55.0	SO312	.01650	5.9176	0.6	F
9014	8978.39	5 3S	119 33E	119.3	186.5	3.092	-42.70	55.0	SO312	.01650	6.0991	0.6	V
771 9001	13460.99	51 33N	111 13E	73.9	190.5	2.390	5.25	59.1	SO312	.03070	9.9450	0.4	V
9002	13466.59	50 59N	110 59E	74.5	190.4	2.390	4.20	59.6	SO312	.03070	9.7552	1.0	F
9003	13471.99	50 59N	110 59E	74.6	190.3	2.390	4.90	59.6	SO312	.03070	9.7305	0.8	A
9004	13666.19	37 25N	106 8E	82.2	188.2	2.530	-27.65	69.2	SO312	.03070	8.7896	0.8	F
9005	13668.99	37 25N	106 8E	81.1	188.2	2.530	-27.30	69.2	SO312	.03070	9.0455	1.0	V
9006	13705.79	34 40N	105 55E	75.9	187.9	2.881	-14.35	70.9	SO312	.03070	9.5489	0.4	F
9007	13716.79	33 59N	106 45E	81.6	187.8	2.738	22.05	71.9	SO312	.03070	8.9959	0.8	V
9008	13719.79	33 59N	106 44E	82.7	187.8	2.530	22.40	71.9	SO312	.03070	8.7484	0.8	A
9009	13736.99	32 28N	105 52E	75.5	187.7	3.092	2.45	72.2	SO312	.03070	9.6232	0.4	F
9010	13739.59	32 28N	105 52E	74.7	187.7	2.881	2.80	72.2	SO312	.03070	9.8295	0.4	V
9011	13749.19	31 55N	104 44E	86.6	187.7	2.738	-32.90	71.7	SO312	.02200	8.4678	0.8	V
9012	13752.39	31 55N	104 44E	87.4	187.6	2.738	-32.55	71.7	SO312	.02200	8.3274	0.8	A
9013	13759.19	31 26N	104 43E	85.0	187.6	2.881	-29.75	71.9	SO312	.03070	8.5420	0.4	A
9014	13763.79	31 10N	104 27E	90.9	187.6	2.881	-36.05	71.8	SO312	.02200	7.9891	0.6	A
9015	13782.39	29 41N	105 40E	81.7	187.5	2.738	18.55	73.5	SO312	.03070	8.8391	0.4	A
9016	13820.19	27 1N	103 57E	81.3	187.3	2.881	-25.90	73.0	SO312	.03070	9.0207	0.4	V
9017	13828.19	26 14N	104 9E	77.0	187.3	3.092	-13.65	73.3	SO312	.03070	9.4168	0.6	F
9018	13836.99	25 39N	103 43E	82.4	187.2	2.881	-25.20	73.1	SO312	.03070	8.7731	0.4	F
9019	13842.79	25 39N	103 43E	82.0	187.2	3.092	-24.50	73.1	SO312	.03070	8.8639	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
771 9020	13851.99	25 1N	103 39E	81.1	187.2	3.232	-22.40	73.2	SO312	.02200	8.9464	0.6	A
9021	13885.99	22 35N	103 56E	79.5	187.0	3.092	7.70	73.7	SO312	.03070	9.0867	0.4	A
9022	13947.79	17 59N	102 37E	80.4	186.8	3.439	-11.55	71.9	SO312	.03070	9.0042	1.4	E
9023	13952.79	18 2N	102 39E	80.2	186.8	3.439	-9.45	72.0	SO312	.03070	9.0207	1.4	A
9024	13958.59	17 24N	102 48E	79.2	186.8	3.232	0.70	72.0	SO312	.03070	9.2518	0.6	V
9025	13961.39	17 25N	102 47E	80.2	186.8	3.439	0.70	72.0	SO312	.03070	9.0042	0.8	A
9026	13971.39	16 30N	102 51E	81.4	186.8	3.232	9.45	71.8	SO312	.03070	8.9959	0.6	V
9027	13991.39	14 59N	102 6E	81.4	186.7	3.439	-10.50	70.6	SO312	.03070	8.8687	1.2	E
9028	13997.19	14 59N	102 6E	81.4	186.7	3.439	-9.45	70.6	SO312	.03070	8.8721	1.4	A
9029	14103.99	7 14N	100 36E	86.1	186.6	3.439	-14.70	65.6	SO312	.03070	8.3770	0.6	F
9030	14107.19	7 13N	100 36E	85.1	186.6	3.439	-14.00	65.6	SO312	.03070	8.5833	0.4	V
772 9001	18664.39	58 28N	92 18E	77.4	192.6	2.037	11.55	53.0	SO312	.03070	9.3921	0.4	F
9002	18666.99	58 28N	92 18E	76.5	192.5	1.826	11.90	53.0	SO312	.03070	9.6067	0.6	V
9003	18670.99	58 23N	92 24E	78.8	192.4	1.826	15.75	53.1	SO312	.03070	9.2023	0.4	A
9004	18699.79	56 9N	90 35E	74.8	191.7	2.037	-3.85	55.0	SO312	.04070	9.7057	0.6	F
9005	18702.39	56 9N	90 35E	73.9	191.7	2.037	-3.50	55.0	SO312	.04070	9.9450	0.6	V
9006	18707.79	55 39N	89 51E	77.2	191.6	1.826	-16.45	55.4	SO312	.03070	9.3756	0.6	F
9007	18708.99	55 34N	89 49E	77.2	191.6	1.826	-16.45	55.4	SO312	.03070	9.3756	0.6	F
9008	18713.19	55 18N	89 46E	78.2	191.5	1.826	-19.25	55.6	SO312	.03070	9.2518	0.6	F
9009	18715.99	55 18N	89 36E	77.1	191.4	1.826	-18.90	55.7	SO312	.03070	9.5159	0.4	V
9010	18719.19	55 5N	89 26E	77.9	191.4	1.826	-20.65	55.8	SO312	.03070	9.4251	0.6	V
9011	18722.19	55 5N	89 26E	78.7	191.3	2.037	-20.65	55.8	SO312	.03070	9.2435	0.4	A
9012	18791.59	50 22N	87 37E	79.5	190.1	2.181	-24.15	59.8	SO312	.03070	9.1527	1.0	A
9013	19316.79	13 46N	80 15E	83.5	186.7	3.232	9.45	70.3	SO312	.03070	8.6906	0.6	F
9014	19319.59	13 47N	80 15E	82.8	186.7	3.232	9.80	70.4	SO312	.03070	8.8391	0.6	V
9015	19328.99	12 56N	80 8E	84.4	186.7	3.232	10.85	69.9	SO312	.03070	8.5998	0.6	F
9016	19331.99	12 56N	80 8E	83.7	186.7	3.232	11.20	69.9	SO312	.03070	8.7401	0.6	V
773 9001	23820.59	68 56N	75 52E	77.9	198.2	1.135	-14.00	43.1	SO312	.03070	9.4086	0.6	V
9002	23823.39	68 56N	75 51E	78.8	198.1	1.135	-14.00	43.1	SO312	.02200	9.2023	0.6	A
9003	23938.79	60 43N	71 28E	78.2	193.5	1.826	13.30	51.0	SO312	.04070	9.2931	0.8	F
9004	23941.59	60 43N	71 28E	77.4	193.4	1.826	13.65	51.0	SO312	.04070	9.4911	0.8	V
9005	23985.19	58 11N	68 17E	83.3	192.2	1.690	-27.30	53.0	SO312	.03070	8.7236	0.6	A
9006	24008.99	56 8N	69 29E	80.6	191.7	2.037	21.00	55.2	SO312	.03070	9.1197	0.6	V
9007	24013.39	56 3N	69 22E	80.7	191.6	1.826	19.95	55.3	SO312	.03070	8.9877	0.4	A
9008	24026.59	54 54N	69 18E	86.1	191.4	1.826	28.70	56.4	SO312	.03070	8.5503	0.4	V
9009	24029.79	54 54N	69 18E	87.4	191.3	1.826	29.05	56.4	SO312	.03070	8.2944	0.4	A
9010	24076.79	51 33N	65 40E	84.2	190.5	1.826	-29.40	58.8	SO312	.03070	8.5833	0.6	F
9011	24079.79	51 32N	65 40E	83.0	190.4	2.037	-29.40	58.8	SO312	.03070	8.8474	0.6	V
9012	24086.99	50 59N	66 9E	74.8	190.3	2.181	-12.60	59.4	SO312	.03070	9.8212	0.6	V
9013	24089.79	50 59N	66 9E	75.6	190.3	2.390	-12.60	59.4	SO312	.03070	9.6149	0.6	A
9014	24158.99	45 57N	63 17E	101.1	189.4	1.690	-43.75	63.0	SO312	.02200	7.1390	0.6	F
9015	24162.59	45 57N	63 17E	99.3	189.3	1.690	-43.40	63.0	SO312	.02200	7.3866	0.6	V
9016	24166.19	45 57N	63 17E	99.9	189.3	2.037	-43.40	63.0	SO312	.02200	7.2876	0.6	A
9017	24278.79	37 42N	61 50E	85.7	188.2	2.390	-31.15	68.9	SO312	.02200	8.4347	1.0	F
9018	24281.99	37 41N	61 50E	84.4	188.2	2.390	-30.80	68.9	SO312	.02200	8.6906	0.8	V
9019	24283.39	37 36N	61 48E	84.4	188.2	2.390	-30.80	69.0	SO312	.02200	8.6906	0.6	V
9020	24286.39	37 36N	61 48E	85.2	188.2	2.390	-30.45	69.0	SO312	.02200	8.5420	0.6	A
9021	24341.79	33 26N	62 16E	79.5	187.8	2.738	18.20	72.1	SO312	.02200	9.2353	0.8	V
9022	24344.79	33 25N	62 16E	80.7	187.8	2.738	18.55	72.1	SO312	.02200	8.9629	0.8	A
774 9001	29238.79	61 23N	48 5E	80.0	193.7	1.484	-20.65	50.2	SO312	.04070	9.0455	0.8	F
9002	29241.59	61 23N	48 5E	78.9	193.6	1.484	-20.30	50.2	SO312	.04070	9.3013	0.8	V
9003	29266.39	59 15N	49 19E	87.0	192.9	1.826	28.00	52.4	SO312	.03070	8.3522	0.8	F
9004	29271.59	59 6N	49 18E	87.3	192.8	1.826	29.40	52.6	SO312	.03070	8.4100	0.6	V
9005	29274.99	59 5N	49 18E	88.6	192.7	1.484	30.10	52.6	SO312	.03070	8.1624	0.8	A
9006	29302.19	56 51N	48 2E	86.3	192.0	2.037	27.30	54.6	SO312	.03070	8.4430	0.4	F
9007	29307.99	56 41N	47 50E	83.6	191.9	1.826	25.55	54.8	SO312	.03070	8.7979	0.6	V
9008	29310.99	56 41N	47 51E	84.9	191.8	1.826	25.90	54.7	SO312	.03070	8.5503	0.6	A
9009	29319.39	56 7N	47 33E	84.2	191.7	1.826	25.20	55.3	SO312	.03070	8.6163	1.2	A
9010	29323.59	55 50N	47 26E	84.5	191.6	1.826	25.55	55.5	SO312	.03070	8.5915	0.6	A
9011	29349.39	54 14N	45 15E	75.7	191.1	2.181	-11.55	56.7	SO312	.03070	9.6067	1.0	A
9012	29359.79	53 7N	45 13E	74.5	190.9	2.181	-1.40	57.7	SO312	.03070	9.7387	0.8	F
9013	29362.59	53 6N	45 13E	73.7	190.8	2.181	-1.05	57.7	SO312	.04070	9.9698	0.6	V
9014	29373.19	52 2N	46 2E	87.6	190.7	2.181	29.05	58.9	SO312	.03070	8.3027	0.6	F
9015	29376.19	52 2N	46 3E	86.9	190.6	2.181	29.40	58.9	SO312	.03070	8.4430	1.4	V
9016	29380.39	51 32N	45 57E	89.7	190.5	2.181	31.15	59.4	SO312	.03070	8.1046	1.2	F
9017	29383.59	51 31N	45 57E	89.0	190.5	2.181	31.50	59.4	SO312	.03070	8.2367	1.0	V
9018	29407.39	50 8N	45 26E	90.7	190.1	1.826	32.55	60.6	SO312	.03070	7.9891	0.8	A
9019	29420.99	49 2N	44 36E	80.9	189.9	2.181	22.05	61.4	SO312	.03070	9.0950	0.8	V
9020	29423.99	49 2N	44 36E	81.8	189.9	2.181	22.05	61.4	SO312	.03070	8.8556	0.8	A
9021	29428.39	48 44N	44 35E	83.6	189.8	2.181	24.50	61.7	SO312	.03070	8.6741	0.6	A
9022	29443.99	47 40N	42 23E	82.4	189.6	2.181	-28.70	62.0	SO312	.03070	8.9217	1.0	V
9023	29448.19	47 36N	42 16E	85.0	189.6	2.181	-30.80	62.0	SO312	.03070	8.5503	1.2	A
9024	29466.39	45 52N	42 37E	74.7	189.4	2.530	-7.70	63.6	SO312	.03070	9.7140	0.6	F
9025	29468.99	45 52N	42 37E	73.8	189.3	2.530	-7.35	63.6	SO312	.03070	9.9533	0.6	V
9026	29488.39	44 14N	43 8E	82.7	189.1	2.530	23.10	65.3	SO312	.03070	8.7896	0.4	F
9027	29490.59	44 5N	43 5E	82.3	189.1	2.530	23.10	65.4	SO312	.03070	8.8391	0.6	F
9028	29501.99	43 40N	41 27E	78.2	189.0	2.390	-24.15	65.1	SO312	.03070	9.3921	0.6	V
9029	29504.79	43 40N	41 27E	78.9	188.9	2.390	-23.80	65.1	SO312	.03070	9.2188	0.6	A
9030	29517.99	42 13N	42 30E	81.8	188.8	2.530	21.35	66.8	SO312	.01650	8.8887	1.0	F
9031	29520.99	42 12N	42 29E	81.1	188.8	2.530	21.70	66.8	SO312	.01650	9.0455	0.8	V
9032	29528.59	41 35N	41 35E	74.6	188.7	2.738	-2.45	66.9	SO312	.03070	9.7305	0.4	F
9033	29533.19	41 38N	41 37E	74.7	188.7	2.738	-1.05	66.9	SO312	.03070	9.7140	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
774 9034	29656.39	32 55N	40 14E	83.9	187.8	2.530	24.50	72.4	SO312	.03070	8.7649	0.8	V
9035	29659.39	32 55N	40 14E	85.2	187.7	2.530	24.85	72.4	SO312	.03070	8.4843	1.0	A
9036	30129.19	0 30N	33 14E	87.3	186.5	3.587	-8.40	60.4	SO312	.03070	8.3440	1.2	V
9037	30132.59	0 29N	33 13E	88.4	186.5	3.587	-8.05	60.4	SO312	.03070	8.1294	1.2	A
9038	30392.39	17 54S	31 7E	116.7	186.8	2.530	27.65	44.7	SO312	.03070	8.1652	0.8	F
9039	30396.59	17 54S	31 7E	116.2	186.8	2.530	28.00	44.7	SO312	.03070	8.7229	0.8	V
9040	30517.59	26 11S	27 44E	115.4	187.2	3.232	-23.45	36.1	SO312	.03070	8.1652	0.8	F
9041	30521.79	26 12S	27 46E	113.6	187.3	3.232	-22.40	36.1	SO312	.03070	8.3385	0.8	V
9042	30523.19	26 17S	27 45E	112.8	187.3	3.232	-22.40	36.1	SO312	.03070	8.4797	0.6	V
9043	30527.39	26 17S	27 45E	114.1	187.3	3.439	-22.05	36.1	SO312	.03070	8.2394	0.6	A
775 9001	34430.59	69 17N	31 14E	82.6	198.5	0.995	-24.15	42.8	SO312	.03070	8.8804	0.8	V
9002	34433.59	69 17N	31 13E	83.5	198.3	0.995	-24.15	42.8	SO312	.03070	8.6988	0.8	A
9003	34454.59	67 37N	30 32E	77.1	197.2	1.338	-13.30	44.4	SO312	.04070	9.5159	0.4	V
9004	34460.59	67 3N	30 22E	76.8	196.9	1.338	-8.05	45.0	SO312	.04070	9.4334	0.8	F
9005	34463.39	67 0N	30 21E	75.9	196.8	1.338	-8.05	45.0	SO312	.04070	9.6727	0.8	V
9006	34571.99	59 23N	26 53E	81.7	192.9	1.826	21.00	52.3	SO312	.03070	8.9134	0.6	F
9007	34577.39	59 17N	26 12E	75.4	192.8	1.826	8.05	52.3	SO312	.04070	9.7552	0.4	V
9008	34580.19	59 17N	26 11E	76.2	192.7	1.826	8.05	52.3	SO312	.04070	9.5241	0.4	A
9009	34588.39	58 26N	26 48E	86.6	192.5	1.690	29.05	53.2	SO312	.03070	8.4843	0.6	V
9010	34591.59	58 26N	26 47E	87.6	192.4	1.690	29.05	53.2	SO312	.03070	8.2614	0.6	A
9011	34597.39	57 51N	26 14E	82.7	192.3	1.826	24.15	53.7	SO312	.03070	8.9052	0.6	V
9012	34600.59	57 51N	26 13E	83.6	192.2	1.826	24.15	53.7	SO312	.03070	8.6741	0.4	A
9013	34610.19	56 60N	24 10E	76.7	192.0	1.826	-14.35	54.2	SO312	.04070	9.4499	0.4	F
9014	34612.99	56 59N	24 10E	75.8	191.9	2.037	-14.35	54.2	SO312	.04070	9.6974	0.4	V
9015	34618.99	56 39N	23 18E	83.9	191.8	1.826	-29.75	54.4	SO312	.03070	8.7401	0.4	V
9016	34621.99	56 40N	23 18E	84.9	191.8	1.826	-29.75	54.4	SO312	.03070	8.5585	0.6	A
9017	34629.19	55 55N	23 24E	78.5	191.6	1.826	-21.35	55.1	SO312	.03070	9.3508	0.6	V
9018	34631.99	55 56N	23 24E	79.3	191.5	2.037	-21.35	55.1	SO312	.03070	9.1775	0.6	A
9019	34639.79	55 2N	22 36E	86.1	191.4	1.690	-31.15	55.8	SO312	.03070	8.4017	0.6	F
9020	34642.79	55 2N	22 37E	84.8	191.3	1.690	-30.80	55.8	SO312	.03070	8.6658	1.4	V
9021	34646.79	54 59N	22 35E	85.4	191.3	1.690	-30.45	55.8	SO312	.03070	8.5173	0.6	A
9022	34652.39	54 23N	22 21E	84.8	191.1	1.826	-31.15	56.4	SO312	.03070	8.6493	0.6	V
9023	34655.39	54 24N	22 21E	85.8	191.1	1.826	-31.15	56.3	SO312	.03070	8.4760	0.6	A
9024	34661.79	53 45N	22 4E	85.7	191.0	1.826	-32.20	56.9	SO312	.03070	8.5585	0.6	V
9025	34664.79	53 46N	22 5E	86.4	190.9	1.826	-31.85	56.9	SO312	.03070	8.4182	0.6	A
9026	34671.99	52 51N	21 51E	85.1	190.8	1.826	-30.45	57.7	SO312	.03070	8.4843	0.6	F
9027	34674.99	52 51N	21 51E	83.8	190.7	1.826	-30.10	57.7	SO312	.03070	8.7484	0.6	V
9028	34689.39	51 36N	23 47E	87.2	190.5	2.037	30.10	59.3	SO312	.03070	8.4265	0.4	V
9029	34692.59	51 36N	23 48E	88.7	190.5	1.826	30.80	59.3	SO312	.03070	8.1706	0.4	A
9030	34696.39	51 8N	23 30E	85.2	190.4	2.037	28.00	59.7	SO312	.03070	8.6246	0.4	V
9031	34699.39	51 9N	23 31E	86.5	190.4	2.037	28.35	59.7	SO312	.03070	8.3687	0.6	A
9032	34712.99	50 2N	20 59E	83.7	190.2	2.037	-29.05	60.0	SO312	.03070	8.6493	0.6	F
9033	34715.79	50 3N	20 60E	82.5	190.1	2.037	-28.70	60.0	SO312	.03070	8.9134	0.8	V
9034	34732.39	48 27N	22 43E	89.5	189.9	2.181	31.15	62.0	SO312	.03070	8.1624	1.2	F
9035	34735.79	48 26N	22 42E	88.8	189.8	2.181	31.50	62.0	SO312	.03070	8.2944	1.0	V
9036	34737.79	48 18N	22 40E	88.9	189.8	2.181	31.50	62.1	SO312	.03070	8.2862	0.6	V
9037	34740.99	48 19N	22 39E	89.4	189.8	2.181	31.50	62.1	SO312	.03070	8.0634	0.6	A
9038	34753.19	47 26N	20 46E	74.9	189.6	2.390	-33.30	62.3	SO312	.03070	9.8130	0.6	V
9039	34755.99	47 26N	20 46E	75.7	189.6	2.390	-32.95	62.4	SO312	.03070	9.6063	0.6	A
9040	34767.19	46 7N	21 43E	84.8	189.4	2.390	25.90	63.8	SO312	.02200	8.5998	0.8	F
9041	34770.19	46 7N	21 41E	83.6	189.4	2.181	25.90	63.8	SO312	.02200	8.7731	0.8	V
9042	34775.99	45 46N	21 12E	77.4	189.3	2.390	15.40	64.0	SO312	.03070	9.4994	0.4	V
9043	34778.79	45 47N	21 12E	78.4	189.3	2.390	15.75	64.0	SO312	.03070	9.2353	0.8	A
9044	34784.79	45 8N	21 19E	82.2	189.2	2.390	23.80	64.6	SO312	.03070	8.9382	0.4	V
9045	34787.79	45 8N	21 19E	83.6	189.2	2.181	24.50	64.6	SO312	.03070	8.6741	0.4	A
9046	34791.99	44 40N	20 56E	78.3	189.2	2.390	17.50	64.9	SO312	.03070	9.3838	0.4	V
9047	34794.79	44 41N	20 56E	79.4	189.1	2.390	17.85	64.9	SO312	.03070	9.1197	0.6	A
9048	34801.79	44 2N	20 28E	74.9	189.1	2.530	8.75	65.2	SO312	.03070	9.8130	0.4	V
9049	34804.39	44 3N	20 28E	75.9	189.0	2.530	9.10	65.2	SO312	.03070	9.5571	0.6	A
9050	34810.79	43 11N	20 34E	79.9	189.0	2.530	18.90	66.0	SO312	.03070	9.1280	0.6	F
9051	34813.79	43 10N	20 34E	79.2	188.9	2.530	19.25	66.0	SO312	.03070	9.2931	0.6	V
9052	34823.19	42 28N	19 16E	76.9	188.8	2.530	-16.80	66.1	SO312	.03070	9.4168	0.4	F
9053	34825.79	42 28N	19 16E	75.9	188.8	2.530	-16.45	66.1	SO312	.03070	9.6644	0.6	V
9054	34834.19	41 51N	19 36E	73.8	188.7	2.738	0.00	66.7	SO312	.04070	9.9450	0.6	V
9055	34836.99	41 50N	19 36E	74.8	188.7	2.738	0.35	66.7	SO312	.04070	9.7057	0.6	A
9056	34843.19	41 13N	19 33E	74.3	188.6	2.738	4.20	67.2	SO312	.03070	9.8790	0.6	V
9057	34845.99	41 13N	19 33E	75.3	188.6	2.738	4.55	67.2	SO312	.03070	9.6414	0.6	A
9058	34850.79	40 31N	19 17E	74.8	188.6	2.738	0.70	67.7	SO312	.04070	9.7057	0.6	F
9059	34853.39	40 32N	19 17E	74.0	188.6	2.738	1.05	67.7	SO312	.04070	9.9203	0.6	V
9060	35383.39	3 55N	11 32E	88.4	186.5	3.587	-15.75	63.0	SO312	.03070	8.1459	0.8	F
9061	35386.39	3 55N	11 32E	87.4	186.5	3.587	-15.40	63.0	SO312	.03070	8.3357	1.0	V
776 9001	40093.79	44 56N	0 43W	85.1	189.2	2.181	27.65	64.8	SO312	.03070	8.6411	1.0	V
9002	40096.99	44 55N	0 43W	86.5	189.2	2.181	28.00	64.8	SO312	.03070	8.3770	1.0	A
9003	40120.19	43 19N	2 56W	80.4	188.9	2.390	-25.90	65.3	SO312	.03070	9.1280	0.8	V
9004	40123.19	43 19N	2 56W	81.2	188.9	2.390	-25.55	65.3	SO312	.03070	8.9629	0.8	A
9005	40161.79	40 28N	3 41W	80.6	188.5	2.530	-26.60	67.3	SO312	.03070	9.1032	0.4	V
9006	40164.79	40 28N	3 40W	81.1	188.5	2.530	-25.90	67.3	SO312	.03070	8.9629	0.4	A
9007	40236.99	35 11N	3 51W	76.9	188.0	2.738	11.55	71.1	SO312	.03070	9.5571	0.6	V
9008	40239.79	35 11N	3 51W	77.9	187.9	2.738	11.90	71.1	SO312	.03070	9.2848	0.6	A
9009	40326.19	28 56N	5 49W	77.0	187.4	3.092	-11.55	73.0	SO312	.01650	9.4086	1.0	F
9010	40331.79	28 55N	5 49W	77.0	187.4	3.092	-10.85	73.0	SO312	.01650	9.4168	1.0	A
9011	40560.19	12 41N	7 60W	92.3	186.7	2.881	24.15	70.0	SO312	.02200	7.8818	0.6	F
9012	40563.59	12 40N	7 60W	91.7	186.7	2.881	24.50	70.0	SO312	.02200	7.9808	0.4	V
9013	40568.39	12 35N	7 56W	95.4	186.7	2.530	27.65	70.0	SO312	.02200	7.5352	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887
~~Top Secret GAMBIT~~

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
777 9001	45505.39	37 46N	25 40W	74.1	188.2	2.738	-0.35	69.4	S0312	.03070	9.9120	0.6	V
9002	45508.19	37 46N	25 40W	75.0	188.2	2.738	0.00	69.5	S0312	.03070	9.8644	0.6	A
9003	46142.79	5 54S	35 15W	114.6	186.5	3.092	-39.55	54.3	S0312	.02200	6.3467	0.4	V
9004	46146.99	5 54S	35 15W	115.7	186.5	3.439	-39.55	54.4	S0312	.02200	6.2312	0.4	A
9005	46155.99	7 6S	34 57W	101.3	186.6	3.439	-26.25	53.6	S0312	.03070	7.0812	1.0	F
9006	46162.99	7 6S	34 50W	98.6	186.6	3.587	-21.70	53.7	S0312	.03070	7.2793	0.6	A
9007	46172.79	8 2S	34 52W	95.7	186.6	3.587	-17.50	52.9	S0312	.04070	7.5847	0.6	V
9008	46190.79	9 28S	35 47W	115.0	186.6	3.092	-37.10	51.3	S0312	.02200	6.2147	1.2	F
778 9001	51282.19	5 31N	54 2W	86.3	186.5	3.439	3.85	64.6	S0312	.03070	8.3192	0.8	A
9002	51378.59	1 27S	56 44W	120.6	186.5	2.881	-44.45	58.0	S0312	.02200	5.9176	1.4	F
9003	51396.79	2 23S	54 48W	102.0	186.5	2.738	24.85	58.5	S0312	.02200	6.9822	1.4	A
9004	51677.19	22 6S	57 56W	124.1	187.0	2.390	30.10	40.8	S0312	.03070	5.7855	1.4	F
9005	51683.59	22 34S	57 49W	130.9	187.0	2.181	34.30	40.4	S0312	.02200	5.4884	1.4	F
9006	51693.39	22 48S	59 1W	104.8	187.1	3.092	4.90	39.7	S0312	.03070	6.8914	0.8	V
9007	51701.19	23 2S	59 15W	105.7	187.1	3.232	0.00	39.4	S0312	.03070	6.7264	0.6	A
9008	51710.99	24 8S	60 40W	123.3	187.1	3.232	-33.60	37.9	S0312	.03070	5.7608	0.6	F
9009	51718.79	24 40S	60 32W	117.1	187.1	3.232	-27.65	37.5	S0312	.03070	6.0744	1.4	F
9010	51735.59	26 9S	58 13W	142.3	187.2	2.037	38.15	37.1	S0312	.02200	5.0428	1.4	F
9011	51748.19	26 16S	59 19W	114.3	187.3	2.738	15.75	36.6	S0312	.03070	6.1899	1.4	A
9012	51814.19	30 44S	59 39W	130.5	187.6	2.037	28.35	32.6	S0312	.03070	5.3976	0.8	A
9013	51820.99	31 45S	60 28W	117.0	187.6	2.738	13.65	31.4	S0312	.03070	6.0991	1.2	F
9014	51825.19	31 45S	60 28W	116.2	187.6	2.738	14.00	31.4	S0312	.03070	6.1817	1.2	V
9015	51829.39	31 44S	60 31W	117.3	187.7	2.738	12.95	31.4	S0312	.03070	6.0166	0.6	A
9016	51836.39	32 47S	60 43W	117.5	187.7	2.738	12.95	30.4	S0312	.03070	6.0744	0.4	F
9017	51841.59	32 51S	60 46W	116.1	187.7	2.738	12.25	30.3	S0312	.03070	6.1817	1.6	V
9018	51847.79	32 58S	60 38W	120.9	187.8	2.530	16.80	30.3	S0312	.03070	5.8350	0.6	A
9019	51852.99	33 53S	61 3W	117.1	187.8	2.738	10.50	29.3	S0312	.03070	6.0909	0.8	F
9020	51855.79	34 5S	61 6W	117.1	187.8	2.738	10.15	29.1	S0312	.03070	6.0909	0.6	F
9021	51860.79	33 48S	61 20W	115.4	187.8	2.738	4.20	29.3	S0312	.03070	6.1239	1.0	A
9022	51863.19	33 58S	61 22W	115.5	187.9	2.738	4.20	29.1	S0312	.03070	6.1156	1.0	A
9023	51870.59	34 31S	60 55W	122.8	187.9	2.530	17.50	28.8	S0312	.03070	5.7443	1.4	A
9024	51878.79	35 36S	61 40W	116.4	188.0	2.881	4.90	27.6	S0312	.04070	6.1156	1.4	F
9025	51884.99	36 1S	61 42W	117.2	188.0	2.738	6.30	27.2	S0312	.04070	6.0744	1.4	F
9026	51890.79	36 9S	61 31W	118.6	188.0	2.530	11.90	27.1	S0312	.04070	6.0496	1.4	V
9027	51895.59	36 11S	61 24W	122.4	188.1	2.530	15.05	27.2	S0312	.03070	5.7525	1.4	A
9028	51905.19	37 24S	61 53W	119.5	188.1	2.738	9.45	25.9	S0312	.04070	5.9506	1.2	F
9029	51910.99	37 29S	62 6W	117.0	188.2	2.738	5.25	25.8	S0312	.04070	6.1239	0.8	V
9030	51916.79	37 30S	62 43W	118.2	188.2	3.092	-8.75	25.5	S0312	.04070	5.9753	1.0	A
9031	51928.39	38 40S	62 8W	120.5	188.3	2.530	11.20	24.7	S0312	.04070	5.9506	1.4	V
9032	51932.99	38 40S	62 8W	122.5	188.4	2.530	11.55	24.7	S0312	.04070	5.7525	1.4	A
9033	52065.79	47 42S	65 53W	127.0	189.7	2.530	-13.65	15.6	S0312	.05390	5.6205	1.0	V
779 9001	56498.99	11 4N	74 48W	87.8	186.6	3.092	16.45	68.8	S0312	.03070	8.2697	1.0	F
9002	56502.19	11 4N	74 49W	87.1	186.6	3.092	16.80	68.8	S0312	.03070	8.3935	0.8	V
9003	56507.39	10 56N	74 46W	90.2	186.6	2.881	19.95	68.8	S0312	.03070	7.9726	1.0	A
9004	56664.59	0 10N	76 52W	91.6	186.5	3.232	11.20	60.4	S0312	.03070	7.8240	1.4	A
9005	56672.79	0 24S	76 58W	91.8	186.5	3.232	10.85	60.0	S0312	.03070	7.8075	1.4	A
9006	56688.99	2 1S	76 58W	97.2	186.5	3.092	19.60	58.8	S0312	.03070	7.4361	1.4	F
9007	56696.59	2 2S	77 10W	94.2	186.5	3.092	14.00	58.6	S0312	.03070	7.5929	0.6	A
9008	56727.99	4 25S	77 38W	93.3	186.5	3.232	11.20	56.5	S0312	.03070	7.7993	0.4	V
9009	56731.39	4 25S	77 39W	94.8	186.5	3.232	11.55	56.5	S0312	.03070	7.5517	0.6	A
9010	56744.99	5 36S	78 35W	94.4	186.5	3.808	-16.10	55.1	S0312	.03070	7.6094	0.6	A
9011	56837.99	12 2S	78 1W	124.5	186.6	2.181	37.10	50.2	S0312	.02200	5.8268	0.6	V
9012	56842.59	12 2S	78 1W	127.1	186.7	2.181	37.45	50.2	S0312	.02200	5.5957	0.8	A
780 9001	61688.79	19 13N	96 8W	79.3	186.9	3.439	-11.90	72.4	S0312	.03070	9.2353	0.6	V
9002	61691.79	19 12N	96 9W	80.3	186.9	3.439	-11.55	72.4	S0312	.03070	9.0124	0.6	A
781 5001	66790.99	32 51N	115 22W	75.8	187.8	3.092	-7.35	71.9	S0312	.02210	9.5746	0.6	F
5002	66796.39	32 51N	115 22W	75.9	187.7	3.092	-6.30	71.9	S0312	.02210	9.5663	0.8	A
9001	66790.99	32 50N	115 22W	75.8	187.8	3.092	-7.35	71.9	S0312	.02200	9.5737	0.6	F
9002	66796.39	32 50N	115 22W	75.9	187.7	3.092	-6.30	71.9	S0312	.02200	9.5654	0.6	A
785 9001	1248.99	58 59N	163 45E	78.1	192.6	1.690	-19.25	52.5	S0312	.04070	9.4086	0.4	V
9002	1251.79	58 59N	163 45E	78.8	192.6	1.690	-18.90	52.5	S0312	.04070	9.2270	0.6	A
9003	1255.19	58 34N	163 34E	77.9	192.5	1.690	-18.90	52.9	S0312	.04070	9.4334	0.4	V
9004	1257.99	58 34N	163 35E	78.6	192.4	1.690	-18.55	52.9	S0312	.04070	9.2518	0.4	A
9005	1273.19	57 25N	162 21E	87.0	192.1	1.484	-32.90	53.8	S0312	.02200	8.4265	0.6	V
9006	1276.39	57 25N	162 21E	87.8	192.0	1.690	-32.90	53.8	S0312	.02200	8.2944	0.6	A
9007	1288.39	56 18N	162 45E	76.0	191.7	1.826	-15.05	54.9	S0312	.03070	9.6562	0.6	V
9008	1291.19	56 18N	162 45E	76.8	191.7	2.037	-15.05	54.9	S0312	.03070	9.4664	0.6	A
9009	1304.99	55 27N	161 44E	84.8	191.4	1.826	-29.75	55.5	S0312	.02200	8.5915	0.6	A
786 9001	6635.38	53 35N	141 29E	89.5	191.0	1.826	32.20	57.7	S0312	.02200	8.2202	0.4	V
9002	6638.58	53 36N	141 29E	91.0	191.0	1.826	32.55	57.7	S0312	.02200	7.9726	0.4	A
9003	6642.38	52 53N	141 15E	91.6	190.9	2.037	32.90	58.3	S0312	.02200	7.9561	0.6	F
9004	6645.58	52 53N	141 16E	91.1	190.8	1.826	33.60	58.3	S0312	.02200	8.0881	0.6	V
9005	6764.98	44 48N	136 27E	79.9	189.2	2.390	-23.80	64.3	S0312	.02200	9.0620	0.4	F
9006	6767.78	44 48N	136 27E	78.8	189.2	2.390	-23.45	64.4	S0312	.02200	9.3178	0.4	V
9007	6772.98	44 29N	135 56E	87.1	189.1	2.181	-34.30	64.4	S0312	.02200	8.4182	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLF RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
786 9008	6776.38	44 28N	135 56E	87.8	189.1	2.181	-33.95	64.4	S0312	.02200	8.2862	0.4	A
9009	7466.18	3 38S	128 12E	105.3	186.5	2.881	26.95	57.5	S0312	.02200	6.8832	1.0	F
9010	7470.58	3 41S	128 11E	104.4	186.5	2.881	26.95	57.4	S0312	.02200	6.9822	0.6	V
9011	7473.78	3 38S	128 12E	106.6	186.5	2.530	28.00	57.5	S0312	.02200	6.7016	1.4	A
9012	7541.98	8 28S	126 25E	93.2	186.6	3.587	-5.25	52.7	S0312	.03070	7.7910	0.6	V
9013	7545.58	8 28S	126 24E	94.6	186.6	3.587	-4.90	52.7	S0312	.03070	7.5764	0.6	A
787 9001	11678.78	71 40N	128 55E	80.3	200.9	0.995	-17.85	40.6	S0312	.05390	9.1280	0.6	V
9002	11681.78	71 40N	128 55E	81.1	200.7	0.995	-17.50	40.6	S0312	.05390	8.9543	0.6	A
9003	11693.78	70 47N	126 58E	86.9	199.8	0.787	-28.70	41.4	S0312	.04070	8.4595	0.6	V
9004	11696.98	70 47N	126 58E	87.7	199.6	0.995	-28.70	41.4	S0312	.04070	8.2862	0.6	A
9005	11963.78	52 22N	116 49E	78.0	190.7	2.037	-19.60	58.3	S0312	.03070	9.2848	1.6	F
9006	11969.18	52 22N	116 50E	77.5	190.6	2.037	-18.55	58.3	S0312	.03070	9.3838	0.8	A
9007	11974.98	52 0N	116 36E	78.8	190.5	2.181	-21.35	58.6	S0312	.03070	9.2353	0.4	A
9008	11980.78	51 14N	116 3E	83.4	190.4	1.826	-28.70	59.1	S0312	.03070	8.6658	1.2	F
9009	11982.58	51 7N	116 1E	83.3	190.4	1.826	-28.70	59.2	S0312	.03070	8.6741	1.0	F
9010	11987.18	51 1N	115 55E	83.2	190.3	2.037	-30.10	59.3	S0312	.03070	8.8226	0.4	V
9011	11988.18	50 57N	115 54E	83.2	190.3	2.037	-30.10	59.4	S0312	.03070	8.8226	0.4	V
9012	11989.18	50 52N	115 52E	83.3	190.3	2.037	-30.10	59.4	S0312	.03070	8.8144	0.8	V
9013	11992.18	50 52N	115 52E	84.0	190.2	2.037	-29.75	59.4	S0312	.03070	8.6658	0.8	A
9014	11993.78	50 46N	115 50E	84.0	190.2	2.037	-29.75	59.5	S0312	.03070	8.6658	0.4	A
9015	12004.38	49 52N	117 6E	77.0	190.1	2.390	13.30	60.7	S0312	.03070	9.4168	1.0	A
9016	12029.38	48 10N	114 40E	91.0	189.7	1.826	-37.80	61.5	S0312	.02200	8.0634	0.8	V
9017	12032.58	48 10N	114 40E	91.8	189.7	2.037	-37.80	61.5	S0312	.02200	7.9396	1.0	A
9018	12137.98	40 52N	113 11E	81.2	188.6	2.530	-26.60	67.1	S0312	.03070	8.9547	0.6	A
9019	12142.98	40 7N	113 14E	77.8	188.5	2.530	-19.95	67.7	S0312	.02200	9.3096	0.6	F
9020	12148.18	39 45N	113 9E	77.7	188.5	2.530	-19.60	68.0	S0312	.02200	9.3178	0.8	F
9021	12150.98	39 45N	113 9E	76.7	188.5	2.530	-19.25	68.0	S0312	.02200	9.5737	0.8	V
9022	12157.58	39 26N	113 28E	73.7	188.4	2.738	-5.95	68.4	S0312	.03070	9.8543	0.4	A
9023	12163.98	38 40N	112 59E	76.6	188.3	2.738	-16.45	68.7	S0312	.03070	9.4581	0.6	F
9024	12166.78	38 39N	112 59E	75.7	188.3	2.738	-16.10	68.7	S0312	.02200	9.7057	1.2	V
9025	12173.58	38 1N	112 33E	81.1	188.3	2.530	-25.55	68.9	S0312	.03070	8.9134	0.8	F
9026	12176.38	38 2N	112 33E	80.0	188.2	2.530	-25.20	68.9	S0312	.03070	9.1775	0.8	V
9027	12181.78	37 27N	112 33E	78.8	188.2	2.738	-21.35	69.4	S0312	.03070	9.1940	0.6	F
9028	12184.58	37 27N	112 33E	77.7	188.2	2.738	-21.00	69.4	S0312	.03070	9.4499	0.4	V
9029	12198.78	36 22N	113 14E	76.4	188.1	2.738	12.25	70.5	S0312	.02200	9.6149	0.8	V
9030	12204.38	36 11N	113 3E	76.1	188.0	2.881	8.05	70.6	S0312	.03070	9.5241	0.4	A
9031	12212.58	35 23N	113 21E	83.0	188.0	2.530	23.80	71.3	S0312	.03070	8.8639	0.6	V
9032	12213.78	35 18N	113 20E	83.2	188.0	2.530	23.80	71.3	S0312	.03070	8.8341	0.4	V
9033	12222.38	34 36N	112 27E	75.3	187.9	2.881	-1.75	71.2	S0312	.03070	9.6479	0.4	F
9034	12227.98	34 14N	112 12E	75.5	187.9	2.881	-7.70	71.3	S0312	.03070	9.6067	0.4	F
9035	12230.78	34 14N	112 12E	74.7	187.9	2.881	-7.35	71.3	S0312	.03070	9.8377	0.4	V
9036	12234.78	33 47N	112 1E	76.2	187.8	2.881	-10.85	71.4	S0312	.03070	9.5159	0.6	F
9037	12240.18	33 47N	112 0E	76.2	187.8	3.092	-10.50	71.5	S0312	.03070	9.5324	0.6	A
9038	12248.78	32 59N	112 1E	74.5	187.8	2.881	-3.85	71.4	S0312	.03070	9.8543	0.4	V
9039	12257.58	32 26N	111 21E	79.8	187.7	2.881	-23.45	71.8	S0312	.03070	9.1858	0.4	V
9040	12267.58	31 29N	111 52E	76.0	187.6	3.092	2.80	72.6	S0312	.03070	9.5571	0.4	F
9041	12271.78	31 22N	111 54E	76.2	187.6	2.881	7.70	72.8	S0312	.03070	9.6397	0.4	V
9042	12276.58	31 4N	111 41E	75.2	187.6	3.092	-0.70	72.7	S0312	.03070	9.7717	0.6	V
9043	12279.38	31 4N	111 41E	76.1	187.6	3.092	-0.35	72.7	S0312	.03070	9.5241	0.6	A
9044	12282.98	30 48N	111 41E	76.4	187.6	3.092	2.10	72.8	S0312	.03070	9.4911	0.4	A
9045	12291.38	30 13N	111 44E	77.6	187.5	2.881	8.75	73.2	S0312	.03070	9.3261	0.6	A
9046	12299.98	29 37N	111 40E	78.8	187.5	2.881	11.55	73.4	S0312	.03070	9.1856	0.4	A
9047	12306.38	29 10N	111 42E	80.7	187.4	2.881	15.75	73.6	S0312	.03070	8.9712	0.4	A
9048	12312.58	28 43N	111 57E	88.5	187.4	2.530	27.30	74.0	S0312	.02200	8.1706	0.4	A
9049	12320.98	28 47N	111 16E	78.4	187.4	3.092	9.45	73.7	S0312	.03070	9.2683	0.4	F
9050	12326.58	27 47N	111 16E	78.9	187.3	3.092	10.50	73.7	S0312	.03070	9.1610	0.4	A
9051	12337.78	26 44N	109 43E	94.2	187.3	2.530	-37.45	72.7	S0312	.02200	7.6507	0.4	F
9052	12341.18	26 44N	109 43E	93.0	187.3	2.738	-37.45	72.7	S0312	.02200	7.8900	0.4	V
9053	12344.58	26 30N	109 38E	93.8	187.3	2.738	-38.15	72.7	S0312	.02200	7.8158	0.4	V
9054	12347.98	26 30N	109 39E	94.2	187.2	2.738	-37.45	72.7	S0312	.02200	7.7250	0.4	A
9055	12439.18	19 53N	109 17E	78.3	186.9	3.232	-6.65	72.7	S0312	.03070	9.3591	0.4	V
9056	12442.18	19 53N	109 17E	79.3	186.9	3.439	-6.30	72.7	S0312	.03070	9.1280	0.4	A
9057	12455.38	18 48N	108 50E	80.7	186.9	3.232	-16.45	72.1	S0312	.03070	9.0702	0.8	V
9058	12458.38	18 48N	108 51E	81.6	186.9	3.439	-16.10	72.1	S0312	.03070	8.8804	0.8	A
9059	12494.18	16 9N	108 13E	83.9	186.8	3.232	-21.35	70.9	S0312	.03070	8.7153	1.6	V
9060	12503.58	15 26N	108 43E	80.5	186.7	3.232	3.50	71.1	S0312	.03070	9.0950	0.4	V
9061	12506.58	15 25N	108 43E	81.7	186.7	3.232	4.20	71.1	S0312	.03070	8.8309	0.4	A
9062	12520.18	13 59N	109 3E	92.5	186.7	2.881	25.20	70.8	S0312	.02200	7.8653	0.8	F
9063	12523.58	13 59N	109 4E	92.6	186.7	2.881	26.25	70.8	S0312	.02200	7.9148	0.8	V
9064	12527.38	13 57N	109 4E	94.5	186.7	2.881	26.95	70.8	S0312	.02200	7.6177	0.4	A
9065	12546.18	12 43N	108 4E	81.4	186.7	3.439	-2.45	69.4	S0312	.03070	8.8639	0.6	A
9066	12577.58	10 25N	107 7E	88.0	186.6	3.439	-24.15	67.5	S0312	.03070	8.3027	0.6	V
9067	12580.98	10 24N	107 6E	89.0	186.6	3.439	-23.80	67.5	S0312	.03070	8.1294	0.4	A
9068	12771.98	2 56S	104 47E	95.1	186.5	3.439	-22.40	57.2	S0312	.03070	7.6507	1.2	V
9069	12806.18	5 23S	105 15E	94.0	186.5	3.232	10.15	55.6	S0312	.03070	7.7415	0.6	V
9070	12809.58	5 22S	105 15E	95.5	186.5	3.232	10.50	55.6	S0312	.03070	7.4939	0.6	A
788 9001	17219.18	56 17N	95 39E	84.5	191.7	1.690	-30.45	54.8	S0312	.03070	8.6823	0.4	V
9002	17222.18	56 17N	95 40E	85.2	191.6	1.690	-30.10	54.8	S0312	.03070	8.5420	0.6	A
9003	17612.78	29 23N	89 18E	75.0	187.4	3.092	3.50	73.3	S0312	.03070	9.6562	0.6	A
9004	17634.78	27 30N	88 54E	75.5	187.3	3.092	2.45	73.6	S0312	.03070	9.6314	0.6	F
9005	17646.78	26 43N	88 19E	78.6	187.3	3.092	-14.35	73.3	S0312	.03070	9.2188	0.8	F
9006	17652.38	26 43N	88 19E	78.4	187.3	3.232	-13.30	73.4	S0312	.03070	9.2518	0.8	A
9007	18593.18	37 51S	77 33E	131.2	188.2	2.037	24.15	25.7	S0312	.03070	5.4554	0.4	V
9008	18598.18	37 51S	77 34E	133.6	188.3	2.037	24.50	25.7	S0312	.03070	5.2573	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
789 9001	22432.58	62 22N	78 11E	76.1	194.2	1.690	4.20	49.5	SO312	.04070	9.5406	1.0	F
9002	22449.58	61 18N	76 50E	76.6	193.7	1.690	-11.20	50.4	SO312	.04070	9.4664	0.4	F
9003	22450.98	61 13N	76 47E	76.6	193.6	1.690	-11.20	50.5	SO312	.04070	9.4664	0.4	F
9004	22454.58	61 9N	76 48E	75.3	193.5	1.690	-9.80	50.6	SO312	.04070	9.7470	0.4	V
9005	22458.78	61 2N	76 50E	75.8	193.4	1.690	-7.70	50.7	SO312	.04070	9.5819	0.4	A
9006	22541.38	55 7N	73 37E	78.5	191.4	1.690	-19.25	55.9	SO312	.03070	9.2270	0.6	F
9007	22543.18	55 6N	73 36E	78.5	191.4	1.690	-19.25	56.0	SO312	.02200	9.2270	0.8	F
9008	22546.18	54 59N	73 33E	77.4	191.3	2.037	-19.25	56.1	SO312	.02200	9.4829	0.6	V
9009	22550.38	54 54N	73 30E	78.4	191.2	2.037	-19.60	56.1	SO312	.02200	9.2683	0.4	A
9010	22612.98	50 5N	73 11E	79.9	190.2	2.390	18.90	60.6	SO312	.03070	9.1115	0.8	F
9011	22618.98	50 6N	72 55E	77.0	190.1	2.390	12.60	60.5	SO312	.03070	9.4251	0.6	A
9012	22663.78	46 29N	72 52E	99.3	189.5	2.181	36.85	63.8	SO312	.02200	7.3618	1.0	F
9013	22667.38	46 28N	72 52E	98.7	189.5	1.826	39.55	63.8	SO312	.02200	7.4691	0.8	V
9014	22673.98	46 3N	72 29E	92.1	189.4	2.037	34.65	64.1	SO312	.03070	7.9808	0.8	V
9015	22677.38	46 3N	72 29E	93.7	189.4	2.037	35.00	64.1	SO312	.02200	7.7167	0.8	A
9016	22719.78	43 15N	70 24E	74.4	188.9	2.738	0.00	65.8	SO312	.03070	9.7552	0.6	A
9017	22730.18	42 30N	68 50E	93.2	188.8	2.181	-39.55	65.8	SO312	.02200	7.8900	0.6	V
9018	22733.58	42 30N	68 50E	93.9	188.8	2.181	-39.20	65.8	SO312	.02200	7.7745	0.6	A
9019	22740.78	41 30N	69 24E	77.4	188.7	2.390	-18.20	66.8	SO312	.03070	9.3673	0.4	F
9020	22742.38	41 23N	69 22E	77.6	188.7	2.390	-18.20	66.9	SO312	.02200	9.3343	2.4	F
9021	22748.58	41 21N	69 17E	78.4	188.6	2.738	-20.30	66.9	SO312	.02200	9.2765	2.8	A
9022	22760.58	40 15N	69 42E	74.1	188.5	2.738	2.80	68.0	SO312	.02200	9.9120	0.4	V
9023	22763.18	40 16N	69 42E	75.0	188.5	2.738	3.15	68.0	SO312	.02200	9.6644	0.6	A
9024	22782.18	38 39N	68 46E	76.5	188.3	2.738	-15.75	68.7	SO312	.02200	9.4664	2.0	F
9025	22787.98	38 37N	68 49E	75.9	188.3	2.738	-13.30	68.8	SO312	.02200	9.5737	1.8	A
9026	22808.58	36 44N	69 8E	78.0	188.1	2.738	13.30	70.3	SO312	.02200	9.3343	1.6	F
9027	22814.18	36 44N	69 8E	78.5	188.1	2.738	14.35	70.4	SO312	.02200	9.2270	1.6	A
9028	22838.38	34 36N	69 12E	90.0	187.9	2.530	31.15	71.9	SO312	.02200	8.1211	3.0	F
9029	22844.78	34 36N	69 12E	90.9	187.9	2.181	32.20	71.9	SO312	.02200	7.9561	3.0	A
9030	22901.58	30 26N	67 2E	76.3	187.6	3.092	-11.90	72.7	SO312	.02200	9.5076	1.4	F
9031	22907.18	30 25N	67 1E	76.3	187.5	3.092	-11.20	72.7	SO312	.02200	9.5159	1.2	A
9032	22982.18	24 57N	66 56E	88.9	187.2	2.881	26.95	74.4	SO312	.02200	8.2614	1.2	V
9033	22985.58	24 57N	66 56E	90.0	187.2	2.530	27.30	74.4	SO312	.02200	8.0138	0.8	A
790 9001	27804.58	58 11N	52 39E	80.1	192.4	1.690	-22.05	53.2	SO312	.03070	9.0372	0.6	F
9002	27807.38	58 11N	52 40E	79.0	192.3	1.690	-21.70	53.2	SO312	.04070	9.2931	0.6	V
9003	27817.98	57 4N	54 1E	81.5	192.1	2.037	20.65	54.5	SO312	.03070	8.9299	0.6	F
9004	27820.98	57 4N	53 59E	80.4	192.0	1.826	20.65	54.5	SO312	.03070	9.1280	0.6	V
9005	27831.38	56 17N	54 17E	91.0	191.8	1.826	33.25	55.3	SO312	.03070	8.0964	0.6	V
9006	27834.78	56 17N	54 16E	92.0	191.7	1.826	33.25	55.3	SO312	.03070	7.8818	0.6	A
9007	27847.18	55 38N	51 57E	76.1	191.5	2.037	-12.95	55.5	SO312	.03070	9.5489	0.8	A
9008	27854.58	54 51N	52 27E	75.0	191.3	2.037	7.70	56.4	SO312	.04070	9.8047	0.6	V
9009	27879.18	53 9N	50 7E	88.1	190.9	1.826	-33.60	57.5	SO312	.03070	8.1871	0.8	F
9010	27882.58	53 8N	50 7E	86.7	190.8	1.826	-33.25	57.5	SO312	.03070	8.4430	0.6	V
9011	27887.38	52 59N	50 16E	83.9	190.7	2.037	-29.05	57.7	SO312	.03070	8.6741	0.4	A
9012	27899.98	51 56N	51 37E	78.6	190.5	2.037	18.45	59.0	SO312	.03070	9.2105	0.4	A
9013	27952.78	48 20N	48 34E	86.7	189.8	2.037	-33.60	61.5	SO312	.03070	8.4595	1.0	V
9014	27955.98	48 20N	48 34E	87.4	189.7	2.037	-33.25	61.5	SO312	.03070	8.3274	1.0	A
9015	27971.18	46 51N	48 19E	84.1	189.5	2.037	-29.40	62.7	SO312	.03070	8.5998	0.8	F
9016	27973.98	46 51N	48 20E	82.8	189.5	2.037	-29.05	62.7	SO312	.03070	8.8556	0.8	V
9017	27980.78	46 25N	47 54E	89.2	189.4	2.037	-36.05	62.9	SO312	.03070	8.2202	0.8	V
9018	27983.98	46 26N	47 54E	89.9	189.4	2.037	-35.70	62.9	SO312	.03070	8.0964	0.8	A
9019	28016.18	43 57N	47 38E	81.0	189.0	2.390	-26.60	65.0	SO312	.04070	9.0620	0.6	V
9020	28019.18	43 57N	47 38E	81.7	189.0	2.390	-26.25	65.0	SO312	.04070	8.9052	0.6	A
9021	28025.18	43 9N	47 22E	83.1	188.9	2.181	-28.00	65.5	SO312	.03070	8.6906	0.4	F
9022	28030.98	42 55N	47 40E	76.5	188.9	2.390	-17.50	65.8	SO312	.04070	9.5984	0.6	V
9023	28033.78	42 55N	47 40E	77.2	188.8	2.390	-17.15	65.9	SO312	.04070	9.4086	1.0	A
9024	28042.18	42 16N	48 3E	74.8	188.8	2.738	1.40	66.6	SO312	.03070	9.6892	0.8	A
9025	28054.18	41 25N	46 23E	95.0	188.7	2.181	-40.95	66.5	SO312	.01650	7.7085	0.8	V
9026	28057.58	41 25N	46 23E	95.6	188.6	2.181	-40.60	66.5	SO312	.01650	7.6012	1.0	A
9027	28063.38	40 46N	46 20E	92.0	188.6	2.181	-38.50	67.0	SO312	.01650	7.9561	0.8	V
9028	28066.78	40 46N	46 20E	92.9	188.5	2.390	-38.50	67.0	SO312	.01650	7.8405	0.8	A
9029	28073.78	39 48N	46 46E	79.0	188.5	2.390	-21.00	67.9	SO312	.04070	9.1610	0.6	F
9030	28076.58	39 48N	46 46E	78.0	188.5	2.390	-20.65	67.9	SO312	.04070	9.4168	0.6	V
9031	28110.18	37 31N	45 56E	82.7	188.2	2.390	-29.40	69.2	SO312	.03070	8.8639	0.6	V
9032	28113.18	37 31N	45 56E	83.5	188.2	2.390	-29.05	69.2	SO312	.03070	8.7153	0.6	A
9033	28128.98	36 14N	45 33E	85.0	188.1	2.390	-31.85	69.8	SO312	.03070	8.6246	0.6	V
9034	28132.18	36 14N	45 33E	85.8	188.0	2.390	-31.50	69.8	SO312	.03070	8.4843	0.6	A
9035	28138.38	35 35N	45 26E	84.7	188.0	2.390	-31.15	70.2	SO312	.03070	8.6576	0.4	V
9036	28141.58	35 35N	45 26E	85.5	188.0	2.738	-31.15	70.2	SO312	.03070	8.5090	0.4	A
9037	28148.98	34 38N	45 31E	80.3	187.9	2.738	-22.75	70.8	SO312	.03070	9.0042	0.6	F
9038	28151.98	34 37N	45 30E	79.3	187.9	2.738	-22.40	70.9	SO312	.03070	9.2600	0.6	V
9039	28156.78	34 19N	45 9E	85.3	187.9	2.530	-31.15	70.8	SO312	.03070	8.5833	0.6	V
9040	28159.98	34 19N	45 9E	85.9	187.8	2.738	-30.80	70.8	SO312	.03070	8.4678	0.6	A
9041	28171.98	33 19N	44 29E	98.7	187.8	2.181	-42.35	70.9	SO312	.02200	7.4031	0.6	V
9042	28175.78	33 19N	44 28E	99.6	187.7	2.390	-42.35	70.9	SO312	.02200	7.3041	0.6	A
9043	28202.78	30 58N	46 6E	87.0	187.6	2.390	27.30	73.3	SO312	.01650	8.4265	1.0	V
9044	28205.98	30 58N	46 6E	88.5	187.6	2.390	27.65	73.4	SO312	.01650	8.1541	1.0	A
9045	28384.98	18 20N	42 47E	78.8	186.9	3.439	-2.10	72.2	SO312	.03070	9.2023	0.8	F
9046	28390.58	18 20N	42 47E	79.0	186.8	3.439	-1.05	72.3	SO312	.03070	9.1362	0.8	A
9047	28512.98	9 39N	41 52E	92.3	186.6	2.881	23.80	68.0	SO312	.02200	7.9231	0.6	V
9048	28516.38	9 39N	41 52E	93.8	186.6	2.881	24.15	68.0	SO312	.02200	7.6507	0.6	A
9049	28695.18	2 55S	40 13E	117.8	186.5	2.181	37.45	58.3	SO312	.02200	6.1817	0.6	V
9050	28699.58	2 55S	40 14E	120.3	186.5	2.181	37.80	58.3	SO312	.02200	5.9341	0.6	A
9051	28711.98	4 2S	39 39E	105.2	186.5	2.738	27.30	57.1	SO312	.03070	6.9079	0.4	V
9052	28715.98	4 2S	39 39E	107.3	186.5	2.530	28.00	57.1	SO312	.03070	6.6521	0.4	A
9053	28727.38	5 3S	39 7E	96.7	186.5	3.092	15.75	56.0	SO312	.03070	7.5104	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL AXIS LAT DG MIN	LONG DG MIN	FRAME START SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
790 9054	28730.98	5 3S	39 7E	98.3	186.5	3.092	16.10	56.0	SO312	.03070	7.2628	0.6	A
9055	28748.38	6 48S	39 17E	111.0	186.5	2.881	29.40	54.7	SO312	.02200	6.5118	0.8	F
9056	28752.38	6 49S	39 18E	111.0	186.6	2.530	30.45	54.7	SO312	.03070	6.5531	0.6	V
9057	28756.58	6 49S	39 19E	113.6	186.6	2.530	31.15	54.7	SO312	.03070	6.2725	0.6	A
9058	28946.38	19 48S	34 51E	119.0	186.9	3.092	-33.25	41.8	SO312	.03070	6.0744	0.6	V
9059	28950.78	19 48S	34 50E	120.4	186.9	3.439	-33.25	41.8	SO312	.03070	5.9506	0.6	A
791 9001	32954.78	68 40N	37 50E	77.8	198.2	1.135	-10.50	43.5	SO312	.04070	9.3178	1.0	F
9002	32960.38	68 40N	37 50E	77.6	197.9	1.338	-10.50	43.5	SO312	.04070	9.3591	1.0	A
9003	32996.18	65 60N	34 43E	83.6	196.1	1.135	-25.20	46.0	SO312	.04070	8.6493	0.4	F
9004	33009.58	65 12N	37 2E	84.7	195.6	1.484	24.50	46.9	SO312	.04070	8.5585	0.6	A
9005	33092.38	59 49N	30 10E	96.6	192.9	1.338	-40.60	51.6	SO312	.03070	7.5929	0.8	V
9006	33095.98	59 49N	30 10E	97.2	192.8	1.338	-40.25	51.6	SO312	.03070	7.4856	0.8	A
9007	33153.38	55 17N	30 17E	74.8	191.5	2.181	1.05	56.0	SO312	.04070	9.7140	1.8	F
9008	33158.78	55 17N	30 16E	74.8	191.4	2.181	1.40	56.0	SO312	.04070	9.7140	0.8	A
9009	33168.78	54 23N	30 13E	75.3	191.2	2.181	9.45	56.8	SO312	.04070	9.7635	0.6	V
9010	33171.58	54 23N	30 13E	76.3	191.1	2.181	9.80	56.8	SO312	.03070	9.5159	0.6	A
9011	33177.98	53 32N	30 12E	79.3	191.0	2.181	17.50	57.6	SO312	.03070	9.1858	0.6	F
9012	33180.78	53 32N	30 12E	78.6	191.0	2.181	17.85	57.6	SO312	.03070	9.3673	0.6	V
9013	33188.18	53 8N	29 13E	73.7	190.9	2.181	-3.85	57.8	SO312	.04070	9.9698	0.6	V
9014	33190.98	53 7N	29 13E	74.5	190.8	2.181	-3.50	57.8	SO312	.03070	9.7470	0.6	A
9015	33196.98	52 18N	29 22E	75.8	190.7	2.181	8.40	58.6	SO312	.03070	9.5902	0.6	F
9016	33199.58	52 18N	29 22E	75.0	190.7	2.181	8.75	58.6	SO312	.03070	9.7965	0.6	V
9017	33203.98	51 48N	29 18E	76.8	190.6	2.390	11.55	59.1	SO312	.03070	9.4664	0.6	F
9018	33207.78	51 44N	29 12E	75.5	190.5	2.181	10.15	59.1	SO312	.03070	9.7476	0.6	V
9019	33210.58	51 44N	29 12E	76.5	190.5	2.181	10.50	59.1	SO312	.03070	9.4911	0.6	A
9020	33221.58	50 38N	30 13E	101.2	190.3	1.826	40.95	60.4	SO312	.02200	7.2793	0.8	V
9021	33225.38	50 38N	30 14E	103.0	190.3	1.826	41.30	60.4	SO312	.02200	7.0400	0.8	A
9022	33242.18	49 32N	27 8E	80.9	190.0	2.037	-26.60	60.6	SO312	.03070	9.0785	0.6	V
9023	33243.58	49 27N	27 6E	80.9	190.0	2.037	-26.60	60.7	SO312	.03070	9.0785	0.8	V
9024	33246.58	49 26N	27 6E	81.6	189.9	2.037	-26.25	60.7	SO312	.03070	8.9217	1.0	A
9025	33248.18	49 20N	27 4E	81.6	189.9	2.037	-26.25	60.8	SO312	.03070	8.9217	0.6	A
9026	33251.38	48 55N	26 55E	81.1	189.9	2.037	-26.95	61.1	SO312	.03070	9.0537	0.6	V
9027	33254.38	48 55N	26 55E	81.9	189.8	2.037	-26.60	61.1	SO312	.03070	8.8887	0.6	A
9028	33265.38	47 45N	26 40E	80.5	189.7	2.181	-24.50	62.1	SO312	.03070	8.9794	0.6	F
9029	33270.58	47 47N	26 42E	80.0	189.6	2.390	-23.80	62.1	SO312	.03070	9.0950	1.0	A
9030	33282.18	46 33N	26 55E	74.6	189.5	2.530	-7.00	63.2	SO312	.03070	9.7305	0.8	F
9031	33287.38	46 34N	26 56E	74.5	189.4	2.530	-6.30	63.2	SO312	.03070	9.7470	1.0	A
9032	33295.98	45 53N	25 49E	85.1	189.3	2.037	-32.20	63.4	SO312	.03070	8.6246	0.4	V
9033	33298.98	45 53N	25 49E	85.8	189.3	2.037	-31.85	63.4	SO312	.03070	8.4843	0.4	A
9034	33308.58	45 0N	25 41E	83.1	189.2	2.181	-29.75	64.1	SO312	.03070	8.8226	1.0	V
9035	33311.78	44 60N	25 41E	83.7	189.1	2.390	-29.40	64.1	SO312	.03070	8.6988	0.8	A
9036	33318.38	44 27N	26 11E	75.3	189.1	2.530	-10.50	64.8	SO312	.03070	9.6562	1.2	A
9037	33325.58	43 38N	25 22E	83.3	189.0	2.181	-28.35	65.2	SO312	.03070	8.6823	0.4	F
9038	33328.38	43 39N	25 22E	82.2	189.0	2.390	-28.35	65.2	SO312	.03070	8.9382	0.6	V
9039	33334.78	43 9N	25 43E	75.3	188.9	2.530	-14.35	65.7	SO312	.03070	9.7470	0.6	V
9040	33337.58	43 9N	25 43E	76.1	188.9	2.530	-14.00	65.7	SO312	.03070	9.5489	0.6	A
9041	33342.78	42 24N	25 40E	75.2	188.8	2.530	-9.80	66.3	SO312	.02200	9.6479	0.8	F
9042	33348.18	42 24N	25 40E	75.1	188.8	2.738	-9.45	66.3	SO312	.02200	9.6727	0.8	A
9043	33353.98	41 39N	25 23E	75.8	188.7	2.530	-12.60	66.8	SO312	.03070	9.5654	0.4	F
9044	33356.58	41 39N	25 23E	74.8	188.7	2.530	-12.25	66.8	SO312	.03070	9.8130	0.4	V
9045	33360.98	41 9N	25 25E	74.9	188.7	2.738	-7.35	67.2	SO312	.03070	9.6692	0.6	F
9046	33363.58	41 9N	25 25E	74.0	188.6	2.738	-7.00	67.2	SO312	.03070	9.9203	0.6	V
9047	33410.78	38 1N	23 46E	87.3	188.2	2.390	-33.95	68.8	SO312	.03070	8.4017	0.6	V
9048	33413.98	38 1N	23 46E	88.1	188.2	2.390	-33.60	68.8	SO312	.03070	8.2614	0.6	A
9049	33442.78	35 32N	24 2E	75.6	188.0	2.881	-7.70	70.7	SO312	.03070	9.5984	0.6	F
9050	33445.38	35 33N	24 2E	74.7	188.0	2.881	-7.35	70.7	SO312	.03070	9.8295	0.8	V
9051	33486.58	32 47N	22 40E	86.7	187.7	2.530	-32.55	71.4	SO312	.03070	8.4430	0.6	V
9052	33489.78	32 48N	22 39E	87.6	187.7	2.738	-32.55	71.4	SO312	.03070	8.3027	0.6	A
9053	34009.18	3 18S	17 23E	97.0	186.5	3.092	18.55	57.6	SO312	.03070	7.4939	0.6	V
9054	34012.78	3 17S	17 24E	99.0	186.5	2.881	19.60	57.6	SO312	.02200	7.2215	0.6	A
9055	34074.38	7 35S	15 3E	109.3	186.6	3.439	-35.00	52.9	SO312	.02200	6.6438	0.4	V
9056	34078.38	7 34S	15 3E	110.5	186.6	3.439	-34.65	52.9	SO312	.02200	6.5118	0.4	A
9057	34099.18	9 28S	16 27E	104.1	186.6	2.738	22.75	52.2	SO312	.03070	6.9657	0.8	V
9058	34102.98	9 28S	16 27E	106.0	186.6	2.738	23.10	52.2	SO312	.02200	6.7181	1.0	A
9059	34177.18	14 52S	13 34E	120.0	186.7	3.092	-37.45	46.3	SO312	.02200	5.9506	0.6	F
9060	34181.38	14 51S	13 35E	117.9	186.7	3.092	-36.75	46.3	SO312	.02200	6.1404	0.6	V
9061	34191.18	15 36S	14 4E	102.8	186.8	3.439	-20.30	45.9	SO312	.03070	7.0482	0.6	V
9062	34194.98	15 36S	14 3E	104.1	186.8	3.439	-19.95	46.0	SO312	.03070	6.8749	0.6	A
792 9001	38482.78	53 43N	7 54E	76.7	191.1	2.181	10.85	57.4	SO312	.03070	9.4911	0.6	F
9002	38485.38	53 44N	7 54E	75.9	191.0	2.181	11.20	57.4	SO312	.03070	9.6892	0.8	V
9003	38506.58	52 22N	6 43E	73.9	190.7	2.181	-7.00	58.4	SO312	.04070	9.9450	0.4	V
9004	38509.18	52 22N	6 43E	74.7	190.6	2.181	-6.65	58.4	SO312	.03070	9.7222	0.6	A
9005	38517.58	51 31N	5 23E	87.0	190.5	1.826	-32.55	58.9	SO312	.03070	8.3027	0.8	F
9006	38520.58	51 31N	5 24E	85.7	190.4	1.826	-32.20	58.9	SO312	.03070	8.5585	1.0	V
9007	38523.78	51 30N	5 24E	86.1	190.4	2.037	-31.85	58.9	SO312	.03070	8.4512	1.4	A
9008	38543.98	49 39N	7 10E	87.4	190.1	2.037	30.45	61.1	SO312	.03070	8.4017	0.6	V
9009	38547.18	49 39N	7 10E	89.0	190.0	1.826	31.15	61.1	SO312	.03070	8.1459	0.8	A
9010	38573.98	47 36N	4 53E	76.1	189.7	2.390	-14.70	62.3	SO312	.03070	9.5324	0.8	F
9011	38579.38	47 37N	4 53E	75.8	189.6	2.390	-13.65	62.3	SO312	.03070	9.5902	0.8	A
9012	38623.38	44 0N	5 29E	92.3	189.1	2.181	33.95	65.7	SO312	.01650	7.9231	0.6	F
9013	38626.58	44 0N	5 29E	91.6	189.1	2.181	34.30	65.7	SO312	.01650	8.0386	0.6	V
9014	38633.38	43 35N	4 58E	83.1	189.0	2.390	24.85	65.9	SO312	.01650	8.8391	0.8	V
9015	38636.58	43 35N	4 58E	84.3	189.0	2.181	25.20	65.9	SO312	.01650	8.5998	0.6	A
9016	38729.58	36 48N	3 5E	82.9	188.2	2.738	22.05	70.5	SO312	.03070	8.7814	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
792 9017	38732.58	36 48N	3 4E	82.1	188.1	2.530	22.40	70.5	SO312	.03070	8.9547	1.0	V
9018	38735.78	36 48N	3 4E	83.4	188.1	2.530	22.75	70.5	SO312	.03070	8.6741	0.6	A
9019	38740.38	36 17N	2 46E	78.5	188.1	2.738	16.80	70.7	SO312	.03070	9.3591	0.6	V
9020	38743.18	36 18N	2 46E	79.6	188.1	2.530	17.15	70.7	SO312	.03070	9.1032	0.6	A
9021	39191.38	5 21N	4 1W	85.7	186.5	3.587	-10.85	64.1	SO312	.03070	8.5090	0.6	V
9022	39194.58	5 21N	4 1W	86.8	186.5	3.587	-10.50	64.1	SO312	.03070	8.2944	0.6	A
793 9001	44356.58	14 57N	23 31W	90.3	186.7	2.738	24.15	71.3	SO312	.02200	8.0964	0.6	V
9002	44359.98	14 57N	23 31W	91.8	186.7	2.738	24.50	71.3	SO312	.02200	7.8240	0.6	A
794 9001	49895.58	1 20S	48 28W	99.6	186.5	2.881	22.75	59.3	SO312	.03070	7.2711	2.0	F
9002	49899.58	1 22S	48 29W	99.0	186.5	2.881	23.10	59.3	SO312	.03070	7.3618	0.6	V
9003	49903.38	1 22S	48 27W	101.7	186.5	2.881	24.50	59.3	SO312	.02200	7.0317	1.2	A
9004	49960.78	5 18S	49 8W	104.1	186.5	2.738	24.15	55.9	SO312	.02200	6.8502	1.4	A
9005	50263.18	26 10S	52 41W	121.4	187.2	2.390	25.90	36.8	SO312	.03070	5.9258	1.0	V
9006	50271.18	27 3S	52 38W	129.1	187.3	2.390	30.10	36.0	SO312	.03070	5.5462	2.0	F
9007	50288.18	27 53S	55 45W	140.6	187.3	2.881	-40.95	34.0	SO312	.02200	5.0428	0.6	F
9008	50298.78	28 22S	54 56W	115.3	187.4	3.232	-22.05	33.9	SO312	.03070	6.2477	0.4	V
9009	50306.18	29 11S	54 52W	113.6	187.4	3.232	-16.45	33.3	SO312	.03070	6.2642	0.4	F
9010	50315.58	29 45S	55 47W	130.0	187.5	3.092	-33.95	32.4	SO312	.03070	5.4637	1.0	F
9011	50325.58	30 14S	54 57W	111.7	187.5	3.232	-11.90	32.3	SO312	.03070	6.4375	0.4	V
9012	50331.78	30 58S	54 40W	111.7	187.6	3.092	-0.70	31.8	SO312	.03070	6.3797	0.4	F
9013	50340.18	30 52S	55 42W	119.3	187.6	3.439	-22.75	31.6	SO312	.03070	5.9588	0.6	A
9014	50356.98	32 20S	55 32W	114.6	187.7	3.232	-15.05	30.3	SO312	.03070	6.2642	1.0	V
9015	50365.38	32 47S	56 31W	131.5	187.7	3.092	-33.60	29.5	SO312	.03070	5.4637	0.6	V
9016	50372.78	33 18S	56 30W	128.2	187.8	3.092	-30.80	29.1	SO312	.03070	5.6040	1.4	V
9017	50382.58	34 7S	55 20W	113.8	187.9	2.881	0.70	28.8	SO312	.04070	6.3055	0.8	V
9018	50390.38	34 22S	55 14W	116.6	187.9	2.881	4.90	28.6	SO312	.03070	6.0579	0.4	A
795 9001	55023.58	11 27N	69 40W	90.1	186.6	3.439	-26.25	68.1	SO312	.03070	8.0303	1.0	A
9002	55031.78	10 52N	69 37W	86.8	186.6	3.587	-21.00	67.8	SO312	.03070	8.3192	1.4	A
9003	55039.38	10 4N	69 20W	82.4	186.6	3.439	-4.20	67.7	SO312	.03070	8.8839	0.4	V
9004	55042.18	10 6N	69 21W	83.2	186.6	3.439	-4.55	67.7	SO312	.03070	8.6576	1.4	A
9005	55049.18	9 36N	69 14W	84.4	186.6	3.439	-3.85	67.5	SO312	.03070	8.5255	1.0	A
9006	55057.58	9 4N	69 45W	85.2	186.6	3.587	-13.30	66.8	SO312	.03070	8.4678	0.8	A
9007	55064.38	8 40N	70 13W	92.5	186.6	3.439	-27.65	66.2	SO312	.02200	7.8158	1.0	A
9008	55175.58	0 55N	70 44W	89.2	186.5	3.439	-3.85	60.9	SO312	.03070	8.0386	1.0	A
9009	55189.38	0 23S	72 8W	107.7	186.5	3.232	-37.10	59.0	SO312	.02200	6.6438	1.0	F
9010	55200.98	1 3S	71 5W	89.1	186.5	3.439	-3.50	59.2	SO312	.03070	8.1706	1.0	V
9011	55214.38	2 13S	71 4W	93.0	186.5	3.232	11.20	58.3	SO312	.03070	7.7662	1.0	F
9012	55225.38	2 22S	72 10W	99.2	186.5	3.587	-27.30	57.6	SO312	.03070	7.2711	0.8	A
796 9001	59984.58	34 37N	86 37W	75.3	187.9	2.881	-4.55	71.2	SO312	.03070	9.6397	0.6	F
9002	59987.18	34 37N	86 37W	74.5	187.9	2.881	-4.20	71.2	SO312	.03070	9.8543	0.6	V
797 5001	65322.38	32 18N	109 14W	75.2	187.7	3.092	-4.55	72.2	SO312	.02210	9.6571	0.8	F
5002	65327.78	32 18N	109 14W	75.4	187.7	3.092	-3.50	72.2	SO312	.02210	9.6324	0.8	A
9001	65322.38	32 18N	109 14W	75.2	187.7	3.092	-4.55	72.2	SO312	.02200	9.6562	0.6	F
9002	65327.78	32 18N	109 14W	75.4	187.7	3.092	-3.50	72.3	SO312	.02200	9.6314	0.6	A
800 9001	82391.58	45 10S	169 23E	127.2	189.3	2.390	4.55	18.2	SO312	.04070	5.5214	1.4	A
802 9001	5253.78	47 18N	142 47E	89.8	189.6	2.037	-36.75	62.3	SO312	.02200	8.1789	0.8	V
9002	5256.98	47 18N	142 47E	90.5	189.5	2.037	-36.40	62.3	SO312	.02200	8.0551	1.0	A
9003	5410.38	36 18N	140 34E	79.8	188.1	2.738	-22.40	70.1	SO312	.02200	9.0702	0.8	F
9004	5413.18	36 18N	140 34E	78.7	188.1	2.738	-22.05	70.1	SO312	.02200	9.3261	0.8	V
9005	6119.38	12 39S	132 54E	113.8	186.7	2.738	27.65	49.3	SO312	.02200	6.3385	0.6	F
9006	6123.38	12 39S	132 54E	113.4	186.7	2.530	28.35	49.3	SO312	.02200	6.3962	0.6	V
803 9001	10341.58	61 60N	129 41E	86.4	194.0	1.484	28.35	50.1	SO312	.03070	8.5173	0.6	V
9002	10344.78	61 60N	129 40E	87.4	193.9	1.484	28.35	50.1	SO312	.02200	8.3027	0.6	A
9003	10654.98	40 46N	120 60E	84.4	188.6	2.390	26.25	68.1	SO312	.04070	8.7071	0.8	V
9004	10658.18	40 45N	120 60E	85.7	188.6	2.390	26.60	68.1	SO312	.03070	8.4347	0.8	A
9005	10703.58	37 38N	120 27E	93.5	188.2	2.181	33.95	70.3	SO312	.02200	7.7415	0.4	A
9006	10713.38	36 58N	120 1E	86.1	188.1	2.390	26.95	70.5	SO312	.03070	8.3935	0.6	A
9007	10718.58	36 25N	119 43E	81.6	188.1	2.530	21.70	70.8	SO312	.02200	9.0042	0.8	V
9008	10721.58	36 25N	119 43E	82.9	188.1	2.530	22.05	70.8	SO312	.02200	8.7318	0.8	A
9009	10733.78	35 22N	119 31E	82.7	188.0	2.530	23.10	71.4	SO312	.03070	8.8969	0.6	V
9010	10739.78	34 45N	119 26E	84.1	187.9	2.738	24.85	71.7	SO312	.03070	8.6576	0.6	F
9011	10743.98	34 41N	119 15E	80.6	187.9	2.738	19.95	71.7	SO312	.03070	9.1032	0.6	V
9012	10748.58	34 35N	119 8E	80.4	187.9	2.738	17.50	71.7	SO312	.03070	8.9959	0.6	A
9013	10761.18	33 37N	118 0E	76.9	187.8	2.881	-16.45	71.5	SO312	.03070	9.5324	0.4	V
9014	10777.98	32 6N	118 54E	87.3	187.7	2.738	26.60	73.0	SO312	.03070	8.3522	0.6	F
9015	10782.38	32 2N	118 47E	84.5	187.7	2.530	24.50	72.9	SO312	.03070	8.6741	0.4	V
9016	10785.38	32 2N	118 47E	85.9	187.7	2.530	24.85	72.9	SO312	.03070	8.3935	0.6	A
9017	10799.58	30 44N	117 54E	76.5	187.6	3.092	2.80	72.9	SO312	.03070	9.4994	0.6	F
9018	10804.78	30 22N	117 52E	76.6	187.6	3.092	4.20	73.1	SO312	.03070	9.4829	0.6	F
9019	10807.58	30 22N	117 51E	75.8	187.5	3.092	4.20	73.1	SO312	.03070	9.6809	0.6	V
9020	10811.78	29 54N	117 37E	76.2	187.5	3.092	-1.40	73.1	SO312	.03070	9.5241	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	#ERROR
803 9021	10817.1H	29 54N	117 37E	76.4	187.5	3.092	-0.70	73.1	SO312	.03070	9.4829	1.0	A
9022	10830.3H	28 31N	118 2E	86.1	187.4	2.738	24.50	74.0	SO312	.03070	8.4595	0.4	F
9023	10834.3H	28 28N	117 52E	82.3	187.4	2.738	19.95	73.9	SO312	.03070	8.9217	0.6	V
9024	10837.5H	28 27N	117 52E	83.6	187.4	2.738	20.30	73.9	SO312	.03070	8.8411	0.4	A
9025	10848.7H	27 34N	116 58E	75.9	187.3	3.232	-7.70	73.4	SO312	.03070	9.6644	0.4	V
9026	10857.7H	26 38N	117 36E	85.4	187.3	2.881	23.10	74.2	SO312	.03070	8.5173	0.4	F
9027	10867.1H	26 28N	116 57E	77.2	187.3	3.232	1.05	73.7	SO312	.03070	9.3673	0.4	A
9028	10875.1H	25 55N	116 45E	76.8	187.2	3.232	-2.45	73.7	SO312	.03070	9.4334	0.4	A
9029	10892.9H	24 22N	115 48E	84.9	187.1	3.092	-27.30	73.0	SO312	.03070	8.5096	0.4	F
9030	10904.7H	23 27N	116 39E	80.8	187.1	3.092	11.90	73.9	SO312	.03070	8.9959	0.6	F
9031	10911.7H	23 13N	116 6E	77.4	187.1	3.232	-7.35	73.4	SO312	.03070	9.4746	0.6	V
9032	10914.7H	23 13N	116 6E	78.4	187.1	3.232	-7.00	73.4	SO312	.03070	9.2353	0.6	A
9033	11078.9H	11 28N	114 21E	84.8	186.6	3.232	9.45	68.8	SO312	.03070	8.5503	0.4	F
9034	11081.9H	11 28N	114 21E	84.1	186.6	3.232	9.80	68.8	SO312	.03070	8.6988	0.4	V
9035	11084.5H	11 4N	114 17E	85.1	186.6	3.232	9.80	68.6	SO312	.03070	8.5173	0.4	F
9036	11087.5H	11 4N	114 17E	84.4	186.6	3.232	10.15	68.6	SO312	.03070	8.6658	0.4	V
9037	11092.7H	10 42N	114 25E	88.2	186.6	3.092	17.85	68.5	SO312	.03070	8.2779	0.6	V
9038	11096.1H	10 41N	114 25E	90.0	186.6	2.881	18.90	68.5	SO312	.02200	7.9891	0.4	A
9039	11201.7H	3 13N	113 3E	91.0	186.5	3.092	15.40	62.9	SO312	.03070	8.0138	0.8	V
9040	11205.1H	3 13N	113 4E	92.7	186.5	3.092	16.10	62.9	SO312	.03070	7.7432	0.8	A
9041	11344.9H	6 47S	110 52E	93.4	186.5	3.439	-2.45	54.1	SO312	.03070	7.7085	0.6	F
9042	11348.1H	6 46S	110 52E	92.6	186.6	3.439	-2.10	54.1	SO312	.03070	7.8488	0.6	V
9043	11358.7H	7 35S	111 26E	103.4	186.6	2.738	22.75	53.8	SO312	.02200	7.0152	1.0	V
9044	11362.7H	7 35S	111 26E	105.3	186.6	2.738	23.10	53.8	SO312	.02200	6.7676	0.8	A
804 9001	15737.5H	56 13N	101 39E	88.3	191.7	1.484	-33.60	55.0	SO312	.03070	8.1706	0.4	F
9002	15740.5H	56 13N	101 40E	87.1	191.7	1.690	-33.60	54.9	SO312	.03070	8.4347	0.4	V
9003	15744.7H	56 9N	101 39E	87.7	191.6	1.690	-32.90	55.0	SO312	.03070	8.2944	0.6	A
9004	15774.9H	53 29N	102 37E	77.9	191.0	2.181	15.05	57.7	SO312	.03070	9.3426	0.8	F
9005	15780.5H	53 29N	102 37E	78.2	190.9	2.181	15.75	57.7	SO312	.03070	9.2848	0.8	A
9006	15970.3H	40 15N	97 22E	77.3	188.5	2.530	-19.25	67.7	SO312	.02200	9.3673	0.6	F
9007	15973.1H	40 15N	97 22E	76.3	188.5	2.530	-18.90	67.8	SO312	.02200	9.6149	0.6	V
9008	16011.5H	37 36N	96 50E	74.1	188.2	2.738	-15.40	69.5	SO312	.02200	9.9203	0.6	V
9009	16014.3H	37 36N	96 50E	74.9	188.2	2.738	-15.05	69.5	SO312	.02200	9.7057	0.6	A
805 9001	21013.3H	58 21N	82 54E	80.0	192.5	1.826	19.95	53.4	SO312	.03070	9.2023	0.4	V
9002	21016.3H	58 21N	82 54E	81.1	192.4	1.826	20.30	53.4	SO312	.03070	8.9464	0.4	A
9003	21076.7H	53 49N	81 10E	85.5	191.1	2.037	26.95	57.5	SO312	.02200	8.5173	1.0	F
9004	21079.7H	53 50N	81 9E	84.5	191.1	2.037	26.95	57.5	SO312	.02200	8.6988	1.0	V
9005	21095.1H	53 1N	78 39E	82.1	190.8	2.037	-28.00	57.8	SO312	.02200	8.9464	0.6	V
9006	21098.3H	53 1N	78 39E	82.8	190.7	2.037	-27.65	57.8	SO312	.02200	8.7896	0.4	A
9007	21124.5H	50 46N	78 33E	75.3	190.3	2.390	-11.20	59.9	SO312	.03070	9.6314	1.8	F
9008	21128.7H	50 40N	78 31E	74.3	190.3	2.390	-10.85	59.9	SO312	.03070	9.8873	0.4	V
9009	21132.5H	50 13N	78 23E	75.1	190.2	2.390	-10.85	60.3	SO312	.03070	9.6562	0.8	F
9010	21135.3H	50 12N	78 22E	74.2	190.2	2.390	-10.50	60.3	SO312	.03070	9.9038	0.6	V
9011	21139.1H	49 47N	78 7E	75.6	190.1	2.390	-14.00	60.6	SO312	.03070	9.5902	0.8	F
9012	21144.5H	49 47N	78 7E	75.4	190.0	2.390	-13.30	60.7	SO312	.03070	9.6397	0.8	A
9013	21203.3H	45 9N	78 28E	94.7	189.3	2.181	35.70	65.0	SO312	.02200	7.7250	0.8	F
9014	21206.5H	45 9N	78 28E	94.0	189.2	2.181	36.05	65.0	SO312	.02200	7.8323	0.8	V
9015	21211.5H	44 39N	77 58E	86.6	189.2	2.390	28.35	65.2	SO312	.03070	8.4100	0.4	F
9016	21214.5H	44 39N	77 58E	85.7	189.2	2.181	28.70	65.2	SO312	.03070	8.5915	0.8	V
9017	21217.7H	44 39N	77 57E	86.7	189.1	2.181	28.70	65.2	SO312	.03070	8.3522	0.6	A
9018	21222.7H	44 18N	77 49E	85.9	189.1	2.181	28.00	65.5	SO312	.02200	8.4347	0.4	A
9019	21227.3H	44 1N	77 28E	81.2	189.0	2.390	20.65	65.6	SO312	.03070	8.9134	0.4	A
9020	21232.1H	43 31N	76 59E	75.2	189.0	2.390	10.15	65.8	SO312	.03070	9.7717	0.4	V
9021	21235.3H	43 18N	76 58E	75.7	188.9	2.390	11.90	66.0	SO312	.02200	9.7057	0.6	V
9022	21238.1H	43 18N	76 58E	76.8	188.9	2.390	12.25	66.0	SO312	.02200	9.4416	1.6	A
9023	21247.1H	42 39N	77 5E	80.8	188.8	2.390	21.35	66.6	SO312	.03070	8.9629	0.4	A
9024	21288.9H	39 24N	76 14E	81.3	188.4	2.530	21.35	68.9	SO312	.03070	8.9712	0.4	F
9025	21291.3H	39 26N	76 13E	80.2	188.4	2.530	21.00	68.9	SO312	.03070	9.1693	0.8	V
9026	21294.3H	39 25N	76 13E	81.4	188.4	2.530	21.35	68.9	SO312	.03070	8.8969	0.8	A
9027	21296.1H	39 18N	76 12E	82.1	188.4	2.530	21.35	69.0	SO312	.03070	8.8226	0.6	A
9028	21367.5H	34 7N	74 4E	75.4	187.9	2.881	-10.15	71.4	SO312	.02200	9.6149	0.6	F
9029	21370.1H	34 7N	74 4E	74.5	187.8	2.881	-9.80	71.4	SO312	.02200	9.8460	0.6	V
9030	21377.5H	33 41N	73 16E	86.7	187.8	2.530	-32.90	71.1	SO312	.02200	8.4512	0.8	V
9031	21380.7H	33 41N	73 16E	87.3	187.8	2.738	-32.55	71.1	SO312	.02200	8.3357	0.8	A
9032	21388.7H	32 49N	73 5AE	74.9	187.7	3.092	-5.60	72.0	SO312	.02200	9.7965	0.4	V
9033	21391.5H	32 49N	73 5AE	75.8	187.7	3.092	-5.25	72.0	SO312	.02200	9.5654	0.4	A
9034	21403.3H	31 41N	74 52E	95.2	187.6	2.390	35.00	73.4	SO312	.02200	7.7085	1.0	V
9035	21406.9H	31 41N	74 52E	97.1	187.6	2.181	35.70	73.4	SO312	.01650	7.4444	0.8	A
9036	21434.9H	29 21N	73 56E	85.1	187.5	2.881	22.75	73.8	SO312	.02200	8.5668	0.8	F
9037	21437.9H	29 21N	73 56E	84.4	187.5	2.881	23.10	73.8	SO312	.02200	8.6988	0.8	V
9038	21475.1H	26 58N	71 56E	86.8	187.3	2.881	-31.15	72.9	SO312	.03070	8.4347	0.8	V
9039	21478.3H	26 58N	71 56E	87.8	187.3	3.092	-31.15	72.9	SO312	.03070	8.2779	0.8	A
806 9001	26184.7H	67 30N	64 21E	81.9	197.2	1.135	-22.40	44.7	SO312	.02200	8.8226	1.0	F
9002	26190.5H	67 31N	64 21E	81.7	196.9	1.338	-22.40	44.7	SO312	.02200	8.8887	1.2	A
9003	26245.7H	63 13N	63 28E	79.7	194.7	1.826	16.45	48.9	SO312	.04070	9.1197	0.8	F
9004	26248.5H	63 13N	63 27E	78.8	194.6	1.826	16.45	48.9	SO312	.04070	9.3343	0.8	V
9005	26320.1H	58 13N	60 36E	79.3	192.5	2.037	16.80	53.5	SO312	.03070	9.1775	0.6	F
9006	26324.7H	57 58N	60 6E	76.2	192.4	2.037	8.75	53.7	SO312	.04070	9.5406	0.8	F
9007	26330.1H	57 58N	60 6E	76.4	192.2	2.037	9.45	53.7	SO312	.04070	9.4994	0.8	A
9008	26336.5H	57 18N	60 8E	78.1	192.1	2.037	16.80	54.4	SO312	.03070	9.4003	0.8	V
9009	26339.5H	57 18N	60 7E	79.1	192.0	1.826	17.15	54.4	SO312	.03070	9.1693	0.8	A
9010	26345.3H	56 54N	59 58E	79.4	191.9	1.826	17.85	54.7	SO312	.03070	9.1362	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
806 9011	26364.78	55 7N	59 44E	87.3	191.5	2.037	29.05	56.4	SO312	.03070	8.3440	0.6	F
9012	26367.78	55 8N	59 43E	86.4	191.4	1.826	29.40	56.4	SO312	.03070	8.5173	0.6	V
9013	26376.38	54 51N	58 39E	75.7	191.3	2.037	8.40	56.5	SO312	.03070	9.5819	1.4	A
9014	26531.18	43 56N	54 48E	74.9	189.1	2.530	3.50	65.5	SO312	.03070	9.7140	0.6	F
9015	26533.78	43 57N	54 48E	74.1	189.0	2.530	3.85	65.5	SO312	.03070	9.9203	1.4	V
9016	26537.38	43 53N	54 47E	75.0	189.0	2.530	4.20	65.5	SO312	.03070	9.6727	0.6	A
9017	26586.98	40 25N	52 44E	85.2	188.5	2.390	-31.85	67.4	SO312	.01650	8.6081	0.6	V
9018	26590.18	40 25N	52 44E	86.0	188.5	2.390	-31.50	67.4	SO312	.01650	8.4678	0.6	A
9019	26649.38	35 56N	51 35E	88.6	188.0	2.390	-35.35	70.0	SO312	.03070	8.1541	1.0	F
9020	26787.58	26 20N	50 40E	78.0	187.3	3.092	3.85	73.8	SO312	.03070	9.3096	1.4	F
9021	26793.78	26 17N	50 40E	78.4	187.2	3.092	5.25	73.8	SO312	.03070	9.2188	1.4	A
9022	26944.18	15 49N	47 58E	84.9	186.8	3.232	-23.10	70.6	SO312	.03070	8.6081	0.4	V
9023	26947.38	15 49N	47 58E	85.7	186.8	3.439	-22.75	70.6	SO312	.03070	8.4512	0.4	A
9024	27144.78	2 3N	45 19E	97.0	186.5	3.439	-29.05	61.1	SO312	.01650	7.5187	1.0	V
9025	27148.38	2 4N	45 19E	98.0	186.5	3.439	-28.70	61.1	SO312	.01650	7.3618	1.0	A
807 9001	31535.18	64 38N	39 50E	85.0	195.3	1.338	-28.00	47.4	SO312	.03070	8.5173	1.0	F
9002	31538.38	64 37N	39 48E	83.9	195.2	1.338	-28.00	47.4	SO312	.04070	8.7401	0.8	V
9003	31541.38	64 37N	39 49E	84.6	195.1	1.338	-27.65	47.4	SO312	.04070	8.5915	1.0	A
9004	31551.78	63 23N	40 31E	75.5	194.7	1.690	-1.75	48.7	SO312	.04070	9.6067	0.6	F
9005	31554.58	63 22N	40 31E	74.6	194.6	1.690	-1.40	48.7	SO312	.04070	9.8377	0.4	V
9006	31560.58	62 54N	40 52E	76.7	194.4	1.690	11.55	49.2	SO312	.04070	9.5819	0.4	V
9007	31563.38	62 54N	40 52E	77.6	194.3	1.690	11.90	49.2	SO312	.04070	9.3426	0.6	A
9008	31578.78	61 40N	40 19E	78.2	193.8	1.690	16.10	50.4	SO312	.04070	9.4003	0.6	V
9009	31581.58	61 40N	40 20E	79.2	193.7	1.690	16.45	50.4	SO312	.04070	9.1527	0.6	A
9010	31614.78	59 13N	39 9E	80.1	192.8	1.826	20.30	52.7	SO312	.03070	9.1858	0.8	V
9011	31617.78	59 13N	39 9E	81.2	192.7	1.826	20.65	52.7	SO312	.03070	8.9299	0.8	A
9012	31628.38	58 4N	38 49E	84.3	192.4	1.826	25.20	53.7	SO312	.03070	8.6411	0.6	F
9013	31631.38	58 4N	38 49E	83.6	192.4	1.826	25.55	53.7	SO312	.03070	8.8061	0.6	V
9014	31634.18	58 6N	38 48E	84.3	192.3	1.826	25.20	53.7	SO312	.03070	8.6081	0.8	A
9015	31643.18	57 23N	37 36E	74.7	192.1	2.037	6.30	54.2	SO312	.04070	9.8377	0.4	V
9016	31649.78	56 46N	37 8E	74.8	192.0	2.037	1.40	54.8	SO312	.04070	9.7057	0.6	F
9017	31652.38	56 47N	37 8E	74.0	191.9	2.037	1.75	54.8	SO312	.04070	9.9285	0.6	V
9018	31659.38	56 12N	37 50E	82.3	191.7	1.826	24.15	55.4	SO312	.03070	8.9464	0.4	V
9019	31662.38	56 12N	37 50E	83.5	191.7	1.826	24.50	55.4	SO312	.03070	8.6906	0.4	A
9020	31666.18	55 42N	37 52E	86.3	191.6	1.826	29.05	55.9	SO312	.03070	8.5255	0.6	V
9021	31669.38	55 42N	37 51E	87.3	191.5	1.826	29.05	55.9	SO312	.03070	8.3027	2.0	A
9022	31676.18	55 5N	37 3E	78.5	191.4	2.037	17.85	56.4	SO312	.03070	9.3591	0.6	V
9023	31679.18	55 5N	37 3E	79.6	191.3	2.037	18.20	56.4	SO312	.03070	9.1032	0.4	A
9024	31684.58	54 34N	36 22E	74.5	191.2	2.181	6.30	56.7	SO312	.04070	9.8708	0.6	V
9025	31687.38	54 34N	36 22E	75.4	191.2	2.181	6.65	56.7	SO312	.03070	9.6232	0.4	A
9026	31694.18	53 58N	35 47E	73.6	191.1	2.181	-2.80	57.2	SO312	.04070	9.9780	0.6	V
9027	31700.98	53 42N	35 31E	74.7	190.9	2.181	-7.00	57.4	SO312	.03070	9.7222	0.6	A
9028	31706.78	53 10N	34 57E	76.0	190.8	2.037	-16.45	57.8	SO312	.03070	9.6644	0.6	V
9029	31709.58	53 10N	34 57E	76.8	190.8	2.037	-16.10	57.8	SO312	.03070	9.4664	0.6	A
9030	31721.58	51 43N	36 20E	89.8	190.6	2.037	31.50	59.4	SO312	.03070	8.1211	0.6	F
9031	31724.78	51 43N	36 19E	88.9	190.5	1.826	31.85	59.4	SO312	.03070	8.2532	0.6	V
9032	31734.18	51 3N	34 44E	74.4	190.4	2.390	-2.45	59.7	SO312	.04070	9.7635	0.4	F
9033	31736.78	51 4N	34 44E	73.5	190.4	2.181	-2.10	59.7	SO312	.03070	9.9946	0.4	V
9034	31742.98	50 24N	34 58E	76.4	190.3	2.390	10.50	60.4	SO312	.03070	9.5241	0.8	F
9035	31746.58	50 21N	34 52E	75.0	190.2	2.181	9.10	60.4	SO312	.03070	9.8047	0.6	V
9036	31749.38	50 21N	34 52E	76.0	190.2	2.181	9.45	60.4	SO312	.03070	9.5489	1.4	A
9037	31754.98	49 33N	34 52E	78.5	190.1	2.390	16.10	61.1	SO312	.03070	9.2683	0.6	F
9038	31757.78	49 33N	34 52E	77.7	190.0	2.181	16.45	61.1	SO312	.03070	9.4664	0.4	V
9039	31769.98	48 28N	34 59E	86.7	189.9	2.181	28.35	62.2	SO312	.03070	8.4182	0.6	F
9040	31772.98	48 28N	34 59E	86.0	189.8	2.181	28.70	62.2	SO312	.03070	8.5585	0.8	V
9041	31775.98	48 28N	34 59E	87.4	189.8	2.181	29.05	62.2	SO312	.03070	8.2944	1.4	A
9042	31798.98	46 42N	32 39E	79.4	189.5	2.181	-22.40	63.0	SO312	.03070	9.1115	0.6	F
9043	31804.38	46 43N	32 35E	80.1	189.4	2.390	-23.80	63.0	SO312	.03070	9.0867	1.2	A
9044	31819.58	45 8N	33 36E	81.1	189.3	2.390	20.65	64.8	SO312	.03070	8.9794	1.0	F
9045	31822.58	45 7N	33 36E	80.4	189.2	2.390	21.00	64.8	SO312	.03070	9.1362	0.8	V
9046	31826.98	44 36N	33 34E	83.4	189.2	2.390	24.15	65.2	SO312	.03070	8.7318	0.4	F
9047	31830.18	44 35N	33 37E	83.8	189.1	2.181	25.90	65.3	SO312	.03070	8.7814	1.2	V
9048	31833.98	44 32N	33 36E	85.1	189.1	2.181	26.25	65.3	SO312	.03070	8.5173	0.6	A
9049	32020.78	31 20N	30 3E	82.7	187.6	2.738	19.95	73.1	SO312	.01650	8.8061	0.6	F
9050	32023.58	31 21N	30 3E	82.1	187.6	2.738	20.30	73.1	SO312	.01650	8.9382	0.8	V
9051	32030.18	30 51N	30 12E	88.3	187.6	2.530	28.35	73.5	SO312	.01650	8.3192	1.0	V
9052	32033.58	30 51N	30 12E	89.8	187.6	2.530	28.70	73.5	SO312	.01650	8.0468	0.8	A
9053	32968.98	33 40S	18 26E	131.6	187.8	2.390	26.25	29.6	SO312	.03070	5.4224	0.4	F
9054	32973.78	33 40S	18 27E	131.1	187.8	2.181	26.95	29.6	SO312	.03070	5.4802	0.4	V
9055	32977.18	33 54S	18 26E	132.2	187.8	2.181	27.65	29.4	SO312	.03070	5.4306	0.6	V
9056	32982.18	33 54S	18 27E	134.8	187.9	2.181	28.00	29.4	SO312	.03070	5.2243	0.6	A
808 9001	36989.78	54 32N	13 38E	75.3	191.3	2.037	-9.80	56.7	SO312	.04070	9.6314	0.6	F
9002	36992.58	54 31N	13 38E	74.4	191.2	2.037	-9.45	56.7	SO312	.04070	9.8790	0.6	V
9003	36999.78	53 57N	14 12E	75.9	191.1	2.037	11.55	57.3	SO312	.03070	9.6892	0.4	V
9004	37002.58	53 57N	14 12E	76.9	191.0	2.037	11.90	57.3	SO312	.03070	9.4334	0.4	A
9005	37009.38	53 11N	13 18E	74.6	190.9	2.181	-5.25	57.9	SO312	.03070	9.7305	0.4	F
9006	37012.18	52 60N	13 14E	74.5	190.9	2.181	-4.90	58.0	SO312	.03070	9.7305	0.8	F
9007	37017.38	53 0N	13 14E	74.5	190.8	2.181	-4.20	58.0	SO312	.03070	9.7470	1.0	A
9008	37039.58	51 12N	13 31E	79.9	190.4	2.181	20.65	59.8	SO312	.03070	9.2023	0.6	V
9009	37042.58	51 12N	13 31E	81.1	190.4	2.181	21.00	59.8	SO312	.03070	8.9464	0.4	A
9010	37047.78	50 23N	13 37E	87.6	190.3	2.181	29.40	60.6	SO312	.03070	8.3357	0.6	F
9011	37050.78	50 24N	13 36E	86.6	190.2	2.181	29.40	60.6	SO312	.03070	8.5008	0.6	V
9012	37053.78	50 25N	13 34E	87.2	190.2	1.826	29.40	60.5	SO312	.03070	8.3109	2.4	A
9013	37060.58	49 46N	12 60E	79.9	190.1	2.037	21.00	61.0	SO312	.03070	9.2023	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
808 9014	37063.5H	49 46N	12 59E	80.8	190.1	2.037	21.00	61.0	S0312	.03070	8.9629	0.6	A
9015	37120.3H	45 30N	11 37E	81.0	189.3	2.390	20.65	64.5	S0312	.03070	8.9877	0.6	F
9016	37123.1H	45 30N	11 37E	80.3	189.3	2.390	21.00	64.5	S0312	.03070	9.1445	0.6	V
9017	37206.1H	39 42N	9 26E	74.9	188.5	2.738	3.15	68.5	S0312	.02200	9.6974	0.8	F
9018	37211.3H	39 43N	9 26E	75.1	188.4	2.738	3.85	68.5	S0312	.02200	9.6479	1.0	A
9019	37248.1H	36 55N	7 39E	87.3	188.1	2.390	-33.25	69.5	S0312	.03070	8.2779	0.4	F
9020	37256.5H	36 18N	7 58E	78.4	188.1	2.738	-19.60	70.1	S0312	.03070	9.2353	0.6	F
9021	37259.3H	36 18N	7 58E	77.4	188.1	2.738	-19.25	70.1	S0312	.03070	9.4829	0.6	V
9022	37694.1H	6 22N	2 25E	85.1	186.5	3.439	-9.10	64.9	S0312	.03070	8.5750	0.6	V
9023	37697.3H	6 22N	2 25E	86.2	186.5	3.439	-8.40	64.9	S0312	.03070	8.3605	0.6	A
809 9001	42825.1H	18 6N	16 58W	84.1	186.9	3.092	14.70	72.5	S0312	.03070	8.6328	0.6	F
9002	42828.1H	18 6N	16 58W	83.4	186.8	3.092	15.05	72.5	S0312	.03070	8.7731	0.6	V
810 9001	48469.57	5 2S	42 49W	103.7	186.5	2.738	25.20	56.1	S0312	.02200	6.9987	1.0	V
9002	48695.97	20 33S	47 22W	116.1	186.9	3.232	-30.10	41.0	S0312	.03070	6.1322	1.4	F
9003	48712.97	22 3S	45 2W	141.4	187.0	2.037	39.55	40.8	S0312	.02200	5.0840	1.4	F
9004	48718.97	21 45S	45 15W	132.7	187.0	1.826	35.35	41.0	S0312	.02200	5.3151	1.4	A
9005	48726.17	22 36S	45 13W	138.0	187.0	1.826	38.50	40.3	S0312	.02200	5.2078	0.6	V
9006	48731.37	22 36S	45 12W	141.4	187.1	1.690	39.20	40.3	S0312	.02200	5.0015	0.6	A
9007	48740.97	23 2HS	46 38W	106.8	187.1	3.092	8.05	38.9	S0312	.03070	6.7594	1.4	V
9008	48743.17	23 37S	46 40W	106.9	187.1	3.092	8.05	38.8	S0312	.03070	6.7511	0.4	V
9009	48747.17	23 37S	46 40W	108.6	187.1	3.092	8.40	38.8	S0312	.03070	6.5365	0.6	A
9010	48757.77	24 30S	47 50W	111.2	187.2	3.232	-20.65	37.5	S0312	.03070	6.4953	1.4	V
9011	48769.37	25 30S	49 10W	144.5	187.2	2.738	-44.10	36.1	S0312	.02200	4.9025	1.0	F
9012	48778.17	25 30S	48 31W	123.4	187.2	3.439	-31.50	36.4	S0312	.03070	5.7773	1.0	A
9013	48799.17	27 34S	48 33W	116.1	187.3	3.232	-22.40	34.6	S0312	.04070	6.1239	0.6	F
9014	48808.57	27 38S	48 32W	115.7	187.4	3.439	-21.00	34.6	S0312	.03070	6.1487	1.4	A
9015	48817.77	28 15S	48 41W	116.5	187.4	3.439	-21.35	34.0	S0312	.03070	6.1074	1.0	A
9016	48825.97	28 41S	49 26W	132.0	187.4	3.232	-35.35	33.3	S0312	.03070	5.4059	1.4	A
811 9001	53553.97	9 58N	63 9W	83.5	186.6	3.439	-5.25	67.5	S0312	.03070	8.6576	0.8	F
9002	53556.97	9 45N	63 11W	83.6	186.6	3.439	-4.90	67.4	S0312	.03070	8.6493	0.4	F
9003	53565.37	9 40N	63 43W	89.7	186.6	3.587	-24.15	66.9	S0312	.03070	8.0551	0.6	A
9004	53832.37	8 32S	67 23W	112.6	186.6	3.439	-35.35	51.9	S0312	.02200	6.3880	1.4	A
9005	53844.77	9 56S	67 47W	119.7	186.6	3.092	-39.55	50.6	S0312	.02200	5.9588	1.6	F
9006	53859.37	11 6S	66 9W	103.6	186.6	3.092	18.20	50.5	S0312	.03070	6.9492	1.4	F
9007	53864.97	10 58S	66 5W	105.8	186.6	2.881	20.65	50.7	S0312	.03070	6.7181	1.4	A
9008	53889.57	13 11S	66 21W	109.2	186.7	2.881	23.10	48.7	S0312	.03070	6.5861	1.4	F
9009	53896.77	13 24S	66 30W	106.2	186.7	2.881	20.65	48.4	S0312	.03070	6.8089	1.4	V
9010	53903.17	13 49S	66 45W	102.5	186.7	3.092	15.05	48.0	S0312	.03070	7.0647	1.4	V
9011	53906.37	14 2S	66 47W	102.8	186.7	3.092	15.05	47.8	S0312	.03070	7.0400	1.4	V
9012	53916.37	14 24S	67 29W	99.3	186.7	3.439	-5.60	47.1	S0312	.03070	7.1885	1.0	A
9013	53931.37	15 27S	67 25W	100.5	186.8	3.232	3.15	46.3	S0312	.03070	7.0895	1.4	A
9014	53939.97	16 13S	68 13W	103.2	186.8	3.439	-18.90	45.3	S0312	.04070	7.0152	0.8	V
9015	53943.77	16 12S	68 14W	104.5	186.8	3.439	-18.55	45.3	S0312	.04070	6.8419	1.0	A
9016	54005.77	20 13S	70 4W	136.6	187.0	3.232	-43.05	41.1	S0312	.02200	5.2326	1.4	A
9017	54181.57	32 52S	71 16W	114.2	187.7	3.092	-8.05	29.8	S0312	.03070	6.2312	0.6	F
9018	54188.17	33 23S	70 44W	116.3	187.8	2.881	8.05	29.5	S0312	.03070	6.1239	0.6	F
9019	54193.37	33 26S	70 56W	113.1	187.8	2.881	4.20	29.4	S0312	.04070	6.3550	0.4	V
9020	54197.57	33 26S	70 56W	114.9	187.8	2.881	4.55	29.4	S0312	.03070	6.1487	0.6	A
9021	54216.77	34 54S	72 10W	118.5	187.9	3.092	-17.85	27.7	S0312	.03070	6.0579	0.8	V
9022	54230.57	36 6S	72 48W	126.3	188.0	2.881	-25.20	26.4	S0312	.03070	5.6040	0.8	F
9023	54243.97	36 41S	73 4W	127.9	188.1	2.881	-27.30	25.8	S0312	.04070	5.6040	0.8	V
9024	54248.77	36 40S	73 5W	129.6	188.2	3.092	-27.30	25.8	S0312	.04070	5.4719	0.8	A
9025	54255.17	37 30S	72 38W	118.8	188.2	2.881	-13.65	25.2	S0312	.04070	6.0331	0.6	V
9026	54262.57	38 22S	72 9W	118.7	188.3	2.738	1.75	24.6	S0312	.04070	5.9836	1.4	F
9027	54271.57	38 24S	71 55W	121.1	188.3	2.530	8.40	24.7	S0312	.04070	5.8185	1.0	A
9028	54276.17	39 18S	72 13W	120.2	188.4	2.738	5.25	23.8	S0312	.04070	5.9093	0.8	F
9029	54284.37	39 45S	73 13W	121.9	188.4	2.881	-14.00	23.1	S0312	.04070	5.8103	1.4	F
9030	54290.97	39 36S	73 4W	121.4	188.5	2.881	-10.85	23.2	S0312	.03070	5.8103	1.4	A
9031	54296.57	40 19S	72 56W	119.0	188.5	2.881	-4.20	22.7	S0312	.04070	6.0166	0.8	V
9032	54301.37	40 39S	72 53W	119.2	188.6	2.881	-1.40	22.4	S0312	.04070	6.0001	0.6	V
9033	54304.57	40 52S	72 54W	119.5	188.6	2.881	-0.35	22.2	S0312	.04070	5.9836	0.6	V
9034	54308.37	41 26S	72 54W	121.4	188.6	2.530	2.45	21.7	S0312	.04070	5.8433	1.0	F
9035	54312.97	41 26S	73 0W	120.0	188.7	2.530	0.70	21.7	S0312	.04070	5.9588	0.6	V
9036	54318.57	41 28S	73 25W	122.2	188.7	2.738	-7.70	21.5	S0312	.04070	5.7690	0.8	A
9037	54323.77	42 25S	73 32W	121.9	188.8	2.738	-5.25	20.6	S0312	.04070	5.8103	0.8	F
9038	54331.37	42 37S	73 47W	121.7	188.8	2.738	-9.10	20.4	S0312	.04070	5.8763	0.8	V
812 9001	58668.17	23 1N	82 46W	78.2	187.1	3.232	-2.10	73.5	S0312	.02200	9.2683	3.0	F
9002	58673.37	22 40N	82 50W	78.4	187.1	3.232	-2.10	73.4	S0312	.02200	9.2518	1.2	F
9003	58678.37	22 43N	82 52W	78.6	187.0	3.232	-2.80	73.4	S0312	.02200	9.2023	1.2	A
9004	58827.57	12 11N	84 13W	89.0	186.7	2.881	20.30	69.5	S0312	.03070	8.2119	0.8	V
813 5001	63799.17	34 53N	102 19W	74.9	187.9	2.881	0.35	71.2	S0312	.02210	9.7066	0.8	F
5002	63804.57	34 53N	102 19W	75.2	187.9	2.881	1.05	71.3	S0312	.02210	9.6654	0.6	A
9001	63799.17	34 53N	102 19W	74.9	187.9	2.881	0.35	71.2	S0312	.02200	9.7057	0.6	F
9002	63804.57	34 53N	102 19W	75.1	187.9	2.881	1.05	71.3	S0312	.02200	9.6644	0.6	A
9003	63956.57	24 3N	104 39W	77.0	187.1	3.232	-2.10	73.6	S0312	.03070	9.4251	0.6	F
9004	63959.37	24 3N	104 40W	76.2	187.1	3.232	-1.75	73.6	S0312	.03070	9.6232	0.4	V
817 9001	84550.77	67 51N	175 51W	82.1	197.4	1.338	19.60	44.6	S0312	.02200	8.8391	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
817 9002	84619.37	63 4N	179 13E	75.7	194.5	1.690	-2.10	49.0	SO312	.03070	9.5902	0.6	F
9003	84624.97	63 4N	179 7E	75.6	194.3	1.690	-3.50	49.0	SO312	.03070	9.6067	0.4	A
819 9001	9179.57	40 5N	125 14E	84.8	188.5	2.390	-31.50	67.7	SO312	.03070	8.6576	0.6	V
9002	9182.77	40 5N	125 14E	85.5	188.5	2.390	-31.15	67.7	SO312	.03070	8.5090	0.6	A
9003	9196.37	38 52N	125 31E	75.5	188.3	2.738	-14.00	68.8	SO312	.02200	9.7222	0.6	V
9004	9199.17	38 52N	125 31E	76.3	188.3	2.738	-13.65	68.8	SO312	.02200	9.5159	0.6	A
9005	9204.77	38 4N	125 41E	75.0	188.3	2.881	-1.75	69.5	SO312	.02200	9.6892	0.6	F
9006	9209.17	37 47N	125 25E	75.4	188.2	2.881	-8.75	69.5	SO312	.04070	9.6149	0.4	F
9007	9211.97	37 47N	125 25E	74.5	188.2	2.881	-8.40	69.5	SO312	.04070	9.6543	0.4	V
9008	9225.77	36 43N	126 12E	85.3	188.1	2.530	26.60	70.8	SO312	.03070	8.6163	1.0	V
9009	9228.97	36 43N	126 11E	86.7	188.1	2.530	26.95	70.8	SO312	.03070	8.3440	1.0	A
9010	9324.17	30 10N	122 46E	93.8	187.5	2.530	-38.50	72.2	SO312	.02200	7.7993	1.0	V
9011	9327.77	30 10N	122 46E	94.8	187.5	2.738	-38.50	72.2	SO312	.02200	7.6755	0.8	A
9012	9549.97	14 30N	120 55E	80.9	186.7	3.439	1.40	70.4	SO312	.04070	9.0372	0.6	V
9013	9552.97	14 30N	120 55E	82.1	186.7	3.439	1.75	70.4	SO312	.04070	8.7896	0.6	A
9014	9559.77	13 48N	121 1E	83.6	186.7	3.232	10.85	70.2	SO312	.03070	8.7566	0.8	V
9015	9776.77	1 13S	116 50E	116.4	186.5	2.881	-41.65	58.0	SO312	.02200	6.1404	0.4	F
9016	9780.97	1 13S	116 50E	114.4	186.5	3.092	-41.30	58.0	SO312	.02200	6.3632	1.0	V
9017	9785.77	1 16S	116 50E	115.0	186.5	3.092	-40.60	58.0	SO312	.02200	6.2807	0.4	A
820 9001	14162.57	61 48N	113 8E	80.5	194.0	1.826	18.55	50.3	SO312	.04070	9.0207	0.8	F
9002	14165.37	61 48N	113 8E	79.8	193.9	1.826	18.90	50.3	SO312	.04070	9.2023	1.0	V
9003	14310.57	51 53N	107 55E	75.1	190.6	2.390	6.65	59.2	SO312	.03070	9.6809	0.8	F
9004	14315.97	51 53N	107 55E	75.3	190.5	2.181	7.70	59.2	SO312	.03070	9.6479	0.8	A
9005	14319.17	51 40N	107 51E	75.1	190.5	2.181	8.05	59.4	SO312	.03070	9.6644	0.4	A
9006	14332.77	50 42N	106 5E	83.7	190.2	2.037	-30.80	59.8	SO312	.02200	8.7649	0.4	V
9007	14335.77	50 42N	106 5E	84.4	190.2	2.037	-30.45	59.8	SO312	.02200	8.6163	0.4	A
9008	14339.97	50 24N	106 10E	81.8	190.1	2.037	-28.25	60.1	SO312	.03070	8.8969	0.6	A
9009	14366.97	48 2N	106 38E	74.9	189.8	2.390	8.05	62.4	SO312	.03070	9.7140	0.6	F
9010	14369.57	48 2N	106 38E	74.1	189.7	2.390	8.40	62.4	SO312	.03070	9.9203	0.6	V
9011	14512.77	38 9N	102 43E	84.4	188.3	2.390	-30.45	68.9	SO312	.03070	8.5750	0.4	F
9012	14515.37	37 59N	102 41E	84.1	188.3	2.390	-30.10	69.1	SO312	.03070	8.5998	0.6	F
9013	14518.57	37 58N	102 39E	84.3	188.2	2.390	-30.80	69.0	SO312	.02200	8.6988	0.6	V
9014	14521.77	37 57N	102 38E	85.1	188.2	2.390	-30.45	69.1	SO312	.02200	8.5503	0.6	A
9015	14543.57	36 5N	103 45E	81.2	188.1	2.530	22.05	71.0	SO312	.03070	9.0620	0.4	V
9016	14546.57	36 5N	103 45E	82.4	188.0	2.530	22.40	71.0	SO312	.03070	8.7896	0.4	A
9017	14696.77	25 27N	100 43E	76.6	187.2	3.232	-5.60	73.6	SO312	.02200	9.4664	0.8	F
9018	14703.17	25 23N	100 37E	76.7	187.2	3.232	-8.05	73.6	SO312	.03070	9.4499	0.6	A
9019	14887.17	12 29N	98 38E	83.8	186.7	3.232	9.45	69.4	SO312	.03070	8.7318	1.2	V
821 9001	19560.97	56 6N	85 59E	82.9	191.6	1.690	-28.70	55.2	SO312	.03070	8.8474	0.6	V
9002	19567.37	55 27N	85 60E	80.4	191.5	1.826	-23.45	55.8	SO312	.03070	8.9959	1.0	F
9003	19570.37	55 26N	85 60E	79.2	191.5	1.826	-23.10	55.8	SO312	.03070	9.2600	0.8	V
9004	19578.77	55 3N	85 57E	78.7	191.3	2.037	-20.65	56.2	SO312	.03070	9.2435	0.6	A
9005	19587.37	53 58N	86 39E	75.8	191.1	2.181	8.05	57.4	SO312	.03070	9.5902	1.0	F
9006	19592.77	53 58N	86 40E	76.0	191.0	2.181	8.75	57.4	SO312	.03070	9.5489	1.2	A
9007	19605.97	53 5N	84 27E	90.2	190.8	1.690	-36.75	57.7	SO312	.03070	8.1294	0.6	V
9008	19609.37	53 5N	84 26E	91.3	190.7	1.690	-36.75	57.7	SO312	.03070	7.9726	0.4	A
9009	19629.17	51 40N	84 20E	83.8	190.4	2.037	-29.40	59.0	SO312	.02200	8.6906	0.4	A
9010	19740.37	43 40N	81 42E	90.3	189.0	2.037	-36.40	65.2	SO312	.02200	7.9973	0.6	F
9011	19743.57	43 40N	81 43E	88.9	189.0	2.037	-36.05	65.2	SO312	.02200	8.2532	0.6	V
9012	20045.57	22 37N	77 54E	79.3	187.1	3.232	-11.55	73.2	SO312	.03070	9.1280	1.0	F
9013	20051.17	22 38N	77 54E	79.3	187.0	3.232	-10.50	73.2	SO312	.03070	9.1362	1.2	A
9014	20226.17	10 5N	76 18E	89.2	186.6	3.092	16.80	68.0	SO312	.03070	8.1294	0.4	F
9015	20229.17	10 6N	76 18E	88.5	186.6	3.092	17.15	68.0	SO312	.03070	8.2532	0.6	V
9016	20230.37	10 1N	76 17E	88.6	186.6	3.092	17.15	67.9	SO312	.03070	8.2449	1.2	V
9017	20233.77	10 1N	76 17E	90.0	186.6	3.092	17.50	67.9	SO312	.03070	7.9726	1.2	A
822 9001	24784.17	61 43N	67 5E	77.1	193.7	1.484	-16.80	50.3	SO312	.04070	9.5159	0.4	V
9002	24786.97	61 44N	67 5E	77.9	193.7	1.690	-16.80	50.3	SO312	.04070	9.3261	0.4	A
9003	24839.97	57 43N	65 42E	74.8	192.3	2.037	-3.50	54.0	SO312	.04070	9.6974	0.4	F
9004	24842.57	57 43N	65 42E	73.9	192.2	2.037	-3.15	54.0	SO312	.04070	9.9368	0.6	V
9005	24847.77	57 11N	65 30E	74.8	192.1	2.037	-2.45	54.5	SO312	.04070	9.7057	0.6	F
9006	24850.37	57 11N	65 30E	73.9	192.0	2.037	-2.10	54.5	SO312	.04070	9.9450	0.6	V
9007	24854.97	56 52N	65 28E	73.9	191.9	2.037	0.70	54.8	SO312	.04070	9.9368	0.4	V
9008	24857.57	56 52N	65 28E	74.8	191.9	2.037	1.05	54.8	SO312	.04070	9.7057	0.6	A
9009	24870.77	55 34N	65 17E	76.4	191.6	2.181	9.80	56.0	SO312	.03070	9.5241	0.6	F
9010	24873.57	55 33N	65 17E	75.6	191.5	2.181	10.15	56.0	SO312	.04070	9.7305	0.4	V
9011	24875.57	55 25N	65 13E	75.5	191.5	2.181	10.15	56.1	SO312	.04070	9.7387	0.4	V
9012	24878.37	55 25N	65 13E	76.5	191.4	2.181	10.50	56.1	SO312	.03070	9.4911	0.4	A
9013	24924.57	51 51N	64 13E	80.9	190.6	2.181	20.65	59.3	SO312	.03070	9.0042	1.0	F
9014	24930.37	51 51N	64 13E	81.3	190.5	2.037	21.35	59.3	SO312	.03070	8.9134	1.0	A
9015	25129.97	37 59N	58 21E	87.4	188.3	2.390	-32.90	69.0	SO312	.03070	8.2697	0.6	F
9016	25134.17	37 54N	58 23E	85.1	188.2	2.390	-31.50	69.1	SO312	.03070	8.6246	0.4	V
9017	25137.17	37 55N	58 23E	85.9	188.2	2.390	-31.15	69.1	SO312	.03070	8.4760	0.6	A
823 9001	29862.17	76 15N	62 42E	78.5	208.8	0.787	4.55	36.1	SO312	.05390	9.2353	1.2	F
9002	29867.97	76 14N	62 41E	78.4	208.1	0.787	4.90	36.1	SO312	.05390	9.2518	1.2	A
9003	29887.37	74 59N	56 52E	86.0	205.7	0.636	-25.90	37.5	SO312	.03070	8.4100	2.2	F
9004	29893.57	74 59N	56 52E	85.7	205.0	0.636	-25.55	37.5	SO312	.03070	8.4760	2.2	A
9005	29947.17	70 51N	54 10E	78.9	200.4	1.135	11.90	41.7	SO312	.04070	9.2023	0.8	F
9006	29949.97	70 51N	54 9E	77.9	200.2	1.135	11.90	41.7	SO312	.04070	9.4334	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
823 9007	30144.57	57 57N	42 16E	88.6	192.3	1.484	-33.60	53.6	S0312	.03070	8.1459	0.6	F
9008	30150.37	57 31N	42 39E	80.4	192.2	1.690	-23.10	54.0	S0312	.03070	9.0042	0.6	F
9009	30153.17	57 31N	42 38E	79.4	192.1	1.690	-23.10	54.0	S0312	.03070	9.2435	0.6	V
9010	30164.37	56 23N	43 54E	79.8	191.9	2.037	18.20	55.3	S0312	.03070	9.1280	1.4	F
9011	30169.97	56 23N	43 55E	80.1	191.7	2.037	18.90	55.3	S0312	.03070	9.0620	1.6	A
9012	30172.17	56 14N	43 50E	80.1	191.7	2.037	18.90	55.5	S0312	.03070	9.0620	0.4	A
9013	30178.97	55 45N	43 54E	84.0	191.6	1.826	25.20	55.9	S0312	.03070	8.6163	1.4	A
9014	30185.57	54 56N	43 20E	80.6	191.4	2.037	19.95	56.6	S0312	.03070	9.0372	0.8	F
9015	30188.37	54 56N	43 20E	79.8	191.4	2.037	20.30	56.6	S0312	.03070	9.2105	1.2	V
9016	30191.97	54 54N	43 19E	80.9	191.3	2.037	20.65	56.7	S0312	.03070	8.9629	0.6	A
9017	30208.97	53 29N	41 45E	74.6	191.0	2.181	-5.25	57.7	S0312	.03070	9.7305	1.0	F
9018	30214.37	53 28N	41 45E	74.5	190.9	2.181	-4.55	57.7	S0312	.03070	9.7552	1.0	A
9019	30219.37	52 46N	41 28E	74.6	190.8	2.181	-5.60	58.3	S0312	.03070	9.7305	1.0	F
9020	30222.37	52 45N	41 27E	73.7	190.8	2.181	-5.60	58.3	S0312	.04070	9.9698	0.6	V
9021	30226.77	52 37N	41 32E	74.4	190.7	2.181	-1.75	58.5	S0312	.03070	9.7635	0.6	A
9022	30237.17	51 24N	42 12E	85.2	190.5	2.181	26.60	59.8	S0312	.03070	8.5585	0.8	F
9023	30240.17	51 24N	42 12E	84.5	190.5	2.181	26.95	59.8	S0312	.03070	8.7153	0.8	V
9024	30274.77	48 59N	40 18E	74.4	189.9	2.390	-1.40	61.5	S0312	.03070	9.7635	0.6	F
9025	30277.37	48 59N	40 18E	73.5	189.9	2.390	-1.05	61.5	S0312	.03070	9.9946	0.6	V
9026	30283.77	48 21N	40 13E	74.6	189.8	2.530	2.10	62.1	S0312	.03070	9.7387	1.2	F
9027	30289.17	48 21N	40 13E	74.7	189.8	2.530	2.80	62.1	S0312	.03070	9.7140	1.2	A
9028	30296.77	47 27N	40 5E	75.4	189.7	2.530	6.65	62.9	S0312	.03070	9.6479	0.6	F
9029	30300.97	47 22N	39 51E	73.7	189.6	2.530	1.05	62.9	S0312	.03070	9.9698	0.6	V
9030	30304.17	47 9N	39 48E	73.8	189.6	2.530	1.40	63.1	S0312	.03070	9.9615	0.4	V
9031	30306.97	47 8N	39 48E	74.7	189.5	2.530	1.75	63.1	S0312	.03070	9.7222	0.4	A
9032	30321.17	45 55N	40 3E	79.9	189.4	2.390	20.30	64.2	S0312	.03070	9.1940	0.6	V
9033	30324.17	45 54N	40 3E	81.1	189.3	2.390	20.65	64.3	S0312	.03070	8.9299	0.6	A
9034	30337.37	44 60N	37 60E	85.7	189.2	2.181	-32.55	64.3	S0312	.03070	8.5833	0.8	V
9035	30340.57	44 59N	38 0E	86.2	189.1	2.390	-32.20	64.3	S0312	.03070	8.4430	0.8	A
9036	30345.97	44 35N	38 7E	81.8	189.1	2.390	-26.60	64.7	S0312	.03070	8.9052	0.4	A
9037	30476.17	35 10N	36 45E	76.2	188.0	2.881	5.60	71.2	S0312	.03070	9.5324	0.6	F
9038	30478.97	35 9N	36 44E	75.4	188.0	2.881	5.60	71.2	S0312	.02200	9.7387	1.0	V
9039	30484.37	34 47N	36 42E	75.8	187.9	2.881	7.35	71.5	S0312	.03070	9.6974	0.6	V
9040	30487.17	34 47N	36 42E	76.8	187.9	2.881	7.70	71.5	S0312	.03070	9.4334	0.6	A
9041	30499.37	33 34N	36 21E	76.1	187.8	2.881	4.55	72.0	S0312	.03070	9.5489	0.6	F
9042	30500.77	33 28N	36 20E	76.4	187.8	2.881	4.55	72.0	S0312	.03070	9.5076	0.4	F
9043	30503.97	33 27N	36 17E	75.4	187.8	2.881	3.15	72.0	S0312	.03070	9.7470	0.4	V
9044	30513.57	32 54N	35 6E	87.5	187.7	2.738	-33.25	71.5	S0312	.01650	8.3770	0.6	V
9045	30516.77	32 54N	35 6E	88.3	187.7	2.738	-32.90	71.5	S0312	.01650	8.2367	0.6	A
9046	30522.77	32 3N	34 55E	89.2	187.7	2.530	-33.60	71.8	S0312	.01650	8.0799	0.6	F
9047	30525.97	32 3N	34 54E	88.1	187.7	2.738	-33.60	71.8	S0312	.01650	8.3274	0.6	V
9048	30529.97	31 46N	34 56E	85.8	187.6	2.738	-31.15	71.9	S0312	.01650	8.5420	0.8	V
9049	30533.17	31 46N	34 56E	86.6	187.6	2.738	-30.80	72.0	S0312	.01650	8.3935	0.8	A
9050	30537.37	31 16N	34 40E	90.1	187.6	2.530	-35.35	72.0	S0312	.01650	8.1211	1.0	V
9051	30540.77	31 16N	34 40E	91.0	187.6	2.738	-35.35	72.0	S0312	.01650	7.9891	0.8	A
9052	30581.37	27 60N	34 24E	82.6	187.4	2.881	-23.80	73.0	S0312	.01650	8.7401	0.6	F
9053	30587.17	28 0N	34 24E	82.3	187.3	3.092	-23.10	73.0	S0312	.01650	8.8226	0.8	A
9054	31017.97	1 56S	30 4E	96.2	186.5	3.092	18.90	58.5	S0312	.03070	7.5599	0.4	V
9055	31021.57	1 56S	30 4E	98.2	186.5	2.881	19.95	58.6	S0312	.02200	7.2793	0.4	A
824 9001	35264.97	69 57N	31 60E	85.3	199.6	1.338	24.50	42.6	S0312	.04070	8.5255	0.6	F
9002	35267.97	69 57N	31 60E	84.4	199.4	1.135	24.85	42.6	S0312	.04070	8.6988	0.6	V
9003	35273.77	69 47N	31 45E	85.0	199.1	1.135	24.50	42.7	S0312	.04070	8.5173	0.4	A
9004	35279.37	69 27N	30 59E	81.8	198.7	1.135	19.60	43.0	S0312	.04070	8.8556	0.4	A
9005	35508.57	53 49N	20 30E	77.6	191.1	2.181	14.00	57.6	S0312	.03070	9.3756	0.8	F
9006	35511.37	53 49N	20 29E	76.7	191.0	2.181	14.00	57.6	S0312	.03070	9.5902	0.8	V
9007	35514.57	53 47N	20 28E	77.6	191.0	2.181	14.00	57.6	S0312	.03070	9.3508	0.4	A
9008	35534.77	52 26N	17 55E	90.2	190.6	1.690	-36.75	58.3	S0312	.03070	8.1294	0.6	V
9009	35539.77	52 15N	18 17E	83.0	190.6	2.037	-28.00	58.6	S0312	.03070	8.7649	1.0	A
9010	35544.57	51 43N	18 10E	80.9	190.5	2.037	-26.60	59.0	S0312	.03070	9.0702	0.4	V
9011	35555.97	50 48N	19 7E	74.6	190.3	2.181	7.70	60.1	S0312	.03070	9.8625	0.4	V
9012	35558.77	50 48N	19 7E	75.5	190.3	2.181	8.05	60.1	S0312	.03070	9.6067	0.4	A
9013	35563.17	50 18N	19 1E	75.2	190.2	2.181	10.15	60.6	S0312	.03070	9.7800	0.4	V
9014	35565.77	50 19N	19 2E	76.2	190.2	2.181	10.50	60.5	S0312	.03070	9.5241	0.6	A
9015	35566.97	50 14N	18 60E	76.3	190.1	2.181	10.50	60.6	S0312	.03070	9.5076	0.6	A
9016	35575.97	49 33N	17 36E	78.7	190.0	2.181	-23.10	60.9	S0312	.03070	9.3178	0.6	V
9017	35578.97	49 33N	17 36E	79.5	190.0	2.181	-22.75	60.9	S0312	.03070	9.1445	0.6	A
9018	35583.37	49 3N	17 27E	78.7	189.9	2.181	-23.10	61.3	S0312	.03070	9.3178	0.4	V
9019	35586.17	49 4N	17 27E	79.5	189.9	2.181	-22.75	61.3	S0312	.03070	9.1445	0.4	A
9020	35589.37	48 38N	17 22E	78.0	189.8	2.181	-21.70	61.6	S0312	.03070	9.4086	0.4	V
9021	35592.17	48 39N	17 22E	78.8	189.8	2.390	-21.70	61.6	S0312	.03070	9.2270	0.4	A
9022	35595.97	48 12N	17 6E	79.8	189.7	2.181	-25.20	61.9	S0312	.03070	9.1858	0.4	V
9023	35607.57	47 14N	18 25E	80.8	189.6	2.181	22.05	63.2	S0312	.03070	9.1032	0.8	V
9024	35610.57	47 14N	18 25E	82.0	189.6	2.181	22.40	63.2	S0312	.03070	8.8391	0.8	A
9025	35617.37	46 22N	18 9E	81.5	189.5	2.390	21.35	63.9	S0312	.03070	8.9382	0.6	F
9026	35620.17	46 22N	18 8E	80.6	189.4	2.181	21.70	63.9	S0312	.03070	9.1280	0.6	V
9027	35624.37	46 4N	18 7E	82.0	189.4	2.181	23.80	64.2	S0312	.03070	8.9712	0.6	V
9028	35627.37	46 5N	18 8E	83.3	189.4	2.181	24.15	64.2	S0312	.03070	8.6988	0.6	A
9029	35632.37	45 22N	17 41E	79.3	189.3	2.390	17.50	64.6	S0312	.03070	9.1858	0.6	F
9030	35635.17	45 22N	17 41E	78.5	189.3	2.390	17.85	64.7	S0312	.03070	9.3591	0.6	V
9031	35642.97	44 52N	17 14E	75.0	189.2	2.530	8.40	64.9	S0312	.03070	9.7965	0.6	V
9032	35645.77	44 52N	17 14E	76.0	189.2	2.530	8.75	64.9	S0312	.03070	9.5406	0.6	A
9033	35671.17	43 4N	17 26E	88.3	188.9	2.037	29.75	66.6	S0312	.03070	8.1871	0.8	A
9034	35816.37	32 52N	13 21E	80.8	187.8	2.738	-22.40	71.8	S0312	.03070	8.9547	0.8	F
9035	35819.17	32 53N	13 21E	79.9	187.7	2.738	-22.40	71.8	S0312	.03070	9.1775	1.0	V
9036	35825.97	32 26N	13 4E	83.3	187.7	2.738	-28.00	71.8	S0312	.03070	8.8061	0.4	V
9037	35828.97	32 26N	13 5E	83.9	187.7	2.738	-27.30	71.8	S0312	.03070	8.6658	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
824 9038	35908.97	26 34N	13 10E	83.2	187.3	2.738	20.30	74.2	SO312	.01650	8.8061	0.6	V
9039	35912.17	26 34N	13 10E	84.8	187.3	2.736	21.00	74.2	SO312	.01650	8.5090	0.4	A
825 9001	40890.17	48 49N	3 31W	75.9	189.9	2.390	11.90	61.8	SO312	.03070	9.6809	0.6	V
9002	40898.57	48 20N	4 29W	74.6	189.8	2.390	-12.25	62.0	SO312	.04070	9.8377	0.6	V
9003	40901.37	48 19N	4 29W	75.5	189.7	2.390	-11.90	62.0	SO312	.04070	9.6314	0.6	A
9004	41111.77	33 38N	7 37W	78.1	187.8	2.738	13.30	72.1	SO312	.04070	9.3921	0.8	V
9005	41114.77	33 38N	7 37W	79.2	187.8	2.738	13.65	72.1	SO312	.04070	9.1197	0.8	A
826 9001	47026.57	8 30S	37 40W	96.6	186.6	3.439	8.05	52.6	SO312	.03070	7.4526	1.0	F
9002	47046.97	9 22S	38 15W	95.9	186.6	3.587	-5.95	51.6	SO312	.03070	7.4609	1.0	A
9003	47110.77	13 51S	40 3W	116.6	186.7	3.232	-35.70	47.0	SO312	.02200	6.1982	1.0	V
9004	47141.57	16 0S	39 58W	105.3	186.8	3.439	-22.40	45.3	SO312	.03070	6.8749	0.8	V
827 9001	52125.57	5 37N	57 46W	86.3	186.5	3.587	-9.10	64.2	SO312	.03070	8.3605	1.4	F
9002	52253.37	3 7S	59 59W	104.2	186.5	3.232	-31.85	56.6	SO312	.02200	6.8667	1.2	F
9003	52259.57	3 0S	60 2W	105.9	186.5	3.439	-33.25	56.7	SO312	.02200	6.8006	1.0	A
9004	52452.57	16 20S	60 57W	106.6	186.8	2.881	15.75	45.6	SO312	.03070	6.6086	1.4	A
9005	52554.97	23 13S	62 55W	106.5	187.1	3.439	-5.60	38.8	SO312	.02200	6.6768	0.6	A
9006	52601.57	26 48S	65 13W	142.7	187.3	2.738	-42.35	34.8	SO312	.02200	4.9685	0.4	F
9007	52611.57	26 48S	65 5W	137.0	187.3	3.232	-39.55	34.9	SO312	.03070	5.1996	1.4	A
9008	52667.37	31 24S	64 10W	113.7	187.6	2.881	5.60	31.2	SO312	.03070	6.2725	0.8	F
9009	52671.57	31 24S	64 10W	112.8	187.6	2.881	5.95	31.2	SO312	.03070	6.3715	0.6	V
9010	52677.37	31 47S	64 23W	112.2	187.6	2.881	2.45	30.8	SO312	.03070	6.4045	1.0	V
9011	52681.77	31 48S	64 23W	114.0	187.7	2.881	3.15	30.8	SO312	.03070	6.1982	0.8	A
9012	52686.97	32 9S	64 29W	114.2	187.7	2.881	2.45	30.5	SO312	.03070	6.1899	1.4	A
9013	52693.97	32 32S	65 15W	116.5	187.7	3.092	-15.05	29.9	SO312	.03070	6.0826	0.6	A
9014	52716.77	34 11S	64 19W	123.1	187.9	2.390	17.50	28.8	SO312	.03070	5.7195	1.0	A
9015	52751.57	36 33S	64 16W	137.3	188.1	1.826	28.70	26.7	SO312	.03070	5.1170	1.4	A
9016	52787.57	39 14S	65 36W	123.0	188.4	2.390	13.65	23.9	SO312	.04070	5.8185	1.0	V
9017	52856.97	43 37S	68 57W	136.8	189.0	2.738	-29.40	18.9	SO312	.04070	5.2243	0.6	V
9018	52862.17	43 37S	68 57W	138.3	189.1	2.881	-29.05	18.9	SO312	.04070	5.1005	0.6	A
9019	52880.17	45 33S	68 59W	130.8	189.3	2.530	-19.95	17.2	SO312	.04070	5.3494	1.6	F
9020	52903.77	46 31S	68 58W	128.4	189.5	2.738	-13.65	16.4	SO312	.04070	5.4802	1.0	A
9021	52984.37	52 33S	70 19W	130.3	190.6	2.181	-1.40	10.7	SO312	.05390	5.4141	1.4	F
9022	52993.97	52 32S	70 30W	131.0	190.8	2.181	-3.85	10.7	SO312	.05390	5.3481	1.0	A
828 5001	56917.97	40 52N	74 5W	101.3	188.6	1.826	-43.75	67.0	SO312	.01660	7.1231	3.0	F
9001	56917.97	40 51N	74 5W	101.4	188.6	1.826	-43.75	67.0	SO312	.01650	7.1225	2.8	F
9002	57200.97	21 16N	76 32W	81.4	187.0	3.092	10.50	73.4	SO312	.02200	8.9299	1.8	F
9003	57207.57	21 13N	76 38W	80.9	187.0	3.092	8.40	73.4	SO312	.02200	8.9217	4.0	A
9004	57219.77	20 14N	77 19W	79.7	186.9	3.232	-12.60	72.6	SO312	.02200	9.1940	3.6	V
9005	57226.57	19 58N	77 19W	80.3	186.9	3.439	-10.15	72.6	SO312	.02200	9.0124	1.8	A
9006	57380.17	9 0N	79 32W	87.6	186.6	3.439	-19.25	66.5	SO312	.03070	8.2284	1.2	F
9007	57383.37	8 60N	79 32W	86.6	186.6	3.439	-18.90	66.5	SO312	.03070	8.4347	1.2	V
9008	57386.77	8 59N	79 34W	88.0	186.6	3.439	-19.25	66.5	SO312	.03070	8.2119	1.0	A
9009	57517.97	0 33S	80 24W	92.9	186.5	3.232	11.90	59.6	SO312	.03070	7.7910	1.2	F
9010	57523.57	0 55S	80 41W	90.5	186.5	3.439	3.50	59.1	SO312	.03070	7.9808	1.0	F
9011	57530.97	0 59S	80 27W	94.2	186.5	3.232	13.30	59.2	SO312	.03070	7.6612	1.4	A
9012	57539.37	2 10S	79 52W	116.8	186.5	2.530	36.05	58.7	SO312	.03070	6.2147	0.8	F
9013	57543.37	2 9S	79 52W	115.7	186.5	2.181	36.40	58.7	SO312	.03070	6.2642	0.8	V
9014	57547.37	2 8S	79 49W	119.9	186.5	2.181	37.80	58.8	SO312	.02200	5.9588	0.6	A
9015	57552.97	2 30S	80 23W	102.8	186.5	2.738	24.50	58.1	SO312	.02200	6.9492	0.6	A
9016	57558.77	3 14S	79 56W	121.1	186.5	2.181	38.85	57.8	SO312	.02200	5.9836	0.6	V
9017	57561.77	3 26S	79 57W	121.5	186.5	2.181	39.20	57.7	SO312	.02200	5.9671	0.4	V
9018	57563.17	3 32S	79 58W	121.9	186.5	2.181	39.20	57.6	SO312	.02200	5.9423	0.6	V
9019	57567.77	3 32S	80 4W	120.0	186.5	2.181	37.45	57.5	SO312	.02200	5.9176	0.4	A
9020	57576.37	4 7S	79 59W	128.3	186.5	1.826	41.65	57.1	SO312	.02200	5.5627	0.4	A
9021	57581.57	4 28S	79 60W	130.4	186.5	1.690	42.35	56.8	SO312	.02200	5.4554	0.6	A
9022	57586.57	4 49S	80 15W	122.4	186.5	2.037	38.15	56.4	SO312	.02200	5.8103	1.4	A
9023	57591.57	5 9S	80 4W	132.9	186.5	1.826	43.05	56.3	SO312	.02200	5.3564	1.4	A
829 5001	62388.57	29 33N	98 24W	94.1	187.5	2.530	-38.50	72.3	SO312	.02210	7.7669	3.0	V
9001	62388.57	29 33N	98 24W	94.1	187.5	2.530	-38.50	72.3	SO312	.02200	7.7662	2.8	V
9002	62435.77	25 55N	97 29W	83.7	187.2	2.881	18.90	74.2	SO312	.03070	8.6988	0.6	F
9003	62441.77	25 55N	97 29W	84.5	187.2	2.738	19.95	74.2	SO312	.03070	8.5338	0.8	A
9004	62494.17	21 59N	98 58W	79.1	187.0	3.232	-8.40	73.2	SO312	.03070	9.1527	0.4	F
9005	62496.97	21 59N	98 58W	78.3	187.0	3.232	-8.05	73.2	SO312	.03070	9.3591	0.4	V
9006	62530.37	19 28N	99 9W	79.0	186.9	3.232	3.50	72.7	SO312	.03070	9.1858	1.0	F
9007	62533.37	19 27N	99 10W	78.2	186.9	3.232	3.85	72.7	SO312	.03070	9.3673	0.8	V
9008	62540.97	18 56N	99 15W	78.4	186.9	3.232	4.55	72.5	SO312	.03070	9.3426	0.4	V
9009	62543.77	18 56N	99 15W	79.5	186.9	3.232	4.90	72.6	SO312	.03070	9.0785	0.4	A
834 9001	2111.56	57 24N	161 49E	87.3	192.2	1.826	29.75	54.6	SO312	.02200	8.4347	0.4	V
9002	2114.76	57 24N	161 49E	88.6	192.1	1.826	30.10	54.6	SO312	.02200	8.1871	0.4	A
9003	2119.76	56 53N	161 19E	83.4	192.0	1.826	25.55	55.0	SO312	.03070	8.8226	0.6	V
9004	2122.96	56 52N	161 18E	84.4	191.9	1.826	25.55	55.0	SO312	.03070	8.5498	0.4	A
9005	2129.16	56 16N	160 47E	79.8	191.8	2.037	20.30	55.5	SO312	.03070	9.2105	0.4	V
9006	2132.16	56 16N	160 47E	81.1	191.7	1.826	21.00	55.5	SO312	.03070	8.9547	0.4	A
9007	2173.76	53 11N	158 28E	74.7	190.9	2.181	-5.95	58.0	SO312	.03070	9.7140	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
834 9008	2176.36	53 11N	158 28E	73.8	190.9	2.181	-5.60	58.0	SO312	.03070	9.9533	0.4	V
9009	2179.56	52 58N	158 24E	73.8	190.8	2.181	-5.25	58.2	SO312	.04070	9.9615	0.6	V
9010	2182.36	52 58N	158 24E	74.6	190.8	2.181	-4.90	58.2	SO312	.03070	9.7387	0.4	A
9011	2202.76	51 30N	156 49E	84.9	190.4	1.826	-31.50	59.2	SO312	.03070	8.6328	0.8	V
9012	2205.96	51 30N	156 49E	85.7	190.4	2.037	-31.50	59.2	SO312	.03070	8.4925	0.8	A
9013	2211.56	50 53N	156 41E	83.9	190.3	2.037	-30.45	59.7	SO312	.02200	8.7566	0.4	V
9014	2214.56	50 54N	156 41E	84.6	190.3	2.037	-30.10	59.7	SO312	.02200	8.6081	0.4	A
835 9001	7616.56	44 21N	132 33E	85.7	189.1	2.181	-32.55	64.8	SO312	.02200	8.5585	0.6	V
9002	7619.76	44 20N	132 33E	86.5	189.0	2.390	-32.55	64.9	SO312	.02200	8.4182	0.6	A
9003	7635.96	42 51N	133 44E	78.0	188.9	2.530	16.10	66.6	SO312	.03070	9.4334	0.6	V
9004	7638.96	42 50N	133 44E	79.1	188.9	2.530	16.45	66.6	SO312	.03070	9.1693	0.4	A
9005	7804.16	31 17N	131 6E	84.1	187.6	2.738	23.45	73.3	SO312	.03070	8.7236	0.8	V
9006	7807.16	31 17N	131 6E	85.3	187.6	2.530	23.80	73.3	SO312	.03070	8.4760	1.0	A
9007	8159.96	7 7N	125 38E	85.7	186.6	3.587	-8.05	65.3	SO312	.03070	8.4017	1.0	A
9008	8238.36	1 28N	125 9E	90.3	186.5	3.232	10.85	61.2	SO312	.03070	8.0716	0.6	V
9009	8241.76	1 27N	125 8E	91.7	186.5	3.232	11.20	61.2	SO312	.03070	7.8158	0.6	A
836 9001	12796.56	52 53N	113 38E	77.3	190.8	2.037	-18.55	58.2	SO312	.03070	9.3756	0.8	F
9002	12801.96	52 54N	113 39E	77.0	190.7	2.181	-17.85	58.2	SO312	.03070	9.4416	1.0	A
9003	12806.56	52 12N	113 32E	76.1	190.7	2.181	-14.70	58.8	SO312	.03070	9.5241	2.2	F
9004	12810.96	52 5N	113 29E	75.2	190.6	2.181	-14.70	58.9	SO312	.03070	9.7635	0.4	V
9005	12815.16	51 38N	113 5E	78.8	190.5	2.181	-21.70	59.2	SO312	.03070	9.1775	1.4	F
9006	12818.56	51 35N	113 4E	77.7	190.5	2.181	-21.35	59.3	SO312	.03070	9.4416	1.4	V
9007	12822.16	51 32N	113 3E	78.5	190.4	2.181	-21.00	59.3	SO312	.03070	9.2683	0.6	A
9008	12974.96	40 41N	109 59E	77.6	188.6	2.530	-19.25	67.6	SO312	.02200	9.3261	0.6	F
9009	12977.76	40 41N	109 59E	76.6	188.6	2.530	-18.90	67.6	SO312	.02200	9.5819	0.6	V
9010	13006.36	38 49N	110 23E	77.1	188.3	2.738	11.55	69.3	SO312	.03070	9.4003	0.4	A
9011	13055.96	35 5N	109 9E	74.9	188.0	2.881	-1.40	71.2	SO312	.03070	9.6974	0.4	F
9012	13061.56	34 40N	109 14E	76.2	187.9	2.881	5.25	71.5	SO312	.02200	9.5406	0.8	F
9013	13066.96	34 41N	109 15E	76.5	187.9	2.881	6.30	71.6	SO312	.02200	9.4746	0.6	A
9014	13072.36	34 5N	109 24E	79.0	187.9	2.738	16.45	72.0	SO312	.03070	9.2931	0.6	V
9015	13075.36	34 4N	109 24E	80.2	187.8	2.738	16.80	72.0	SO312	.03070	9.0207	0.4	A
9016	13128.96	30 8N	106 45E	101.1	187.5	2.181	-42.70	72.1	SO312	.02200	7.1143	0.4	F
9017	13132.56	30 8N	106 45E	99.7	187.5	2.390	-42.70	72.1	SO312	.02200	7.3536	0.4	V
9018	13396.36	11 35N	104 56E	87.8	186.6	3.232	15.75	68.9	SO312	.03070	8.2697	0.8	F
9019	13399.36	11 35N	104 56E	87.1	186.6	3.232	16.10	68.9	SO312	.03070	8.3935	1.0	V
9020	13420.16	10 14N	103 58E	83.9	186.6	3.587	-12.60	67.4	SO312	.02200	8.7071	0.4	V
9021	13423.16	10 15N	103 58E	85.0	186.6	3.587	-12.25	67.4	SO312	.02200	8.4925	0.6	A
837 9001	18056.56	56 9N	94 32E	82.2	191.7	1.826	23.80	55.7	SO312	.03070	8.9547	1.0	V
9002	18059.76	56 8N	94 31E	83.2	191.7	1.826	23.80	55.7	SO312	.03070	8.7236	0.8	A
9003	18091.16	53 50N	91 26E	83.5	191.1	1.826	-28.35	57.3	SO312	.03070	8.6576	0.6	F
9004	18092.76	53 44N	91 24E	83.6	191.0	1.826	-28.35	57.4	SO312	.03070	8.6493	0.8	F
9005	18098.96	53 42N	91 30E	81.5	190.9	2.037	-25.55	57.4	SO312	.02200	8.9382	0.4	A
9006	18104.56	53 6N	91 26E	78.6	190.8	2.037	-22.40	58.0	SO312	.03070	9.3426	0.6	V
9007	18277.36	40 49N	89 45E	96.3	188.6	2.181	36.75	68.4	SO312	.02200	7.5929	1.0	F
9008	18280.76	40 49N	89 45E	95.8	188.6	2.181	37.10	68.4	SO312	.02200	7.6920	1.0	V
9009	18616.36	17 44N	83 17E	81.1	186.8	3.439	-10.50	71.7	SO312	.04070	8.9217	1.0	F
9010	18622.16	17 44N	83 17E	81.2	186.8	3.439	-9.45	71.7	SO312	.04070	8.9134	1.0	A
838 9001	23598.76	40 8N	65 20E	82.9	188.5	2.390	-27.65	67.9	SO312	.02200	8.7236	0.8	F
9002	23601.56	40 9N	65 20E	81.8	188.5	2.390	-27.30	67.9	SO312	.02200	8.9794	1.0	V
9003	23608.76	39 35N	65 49E	74.3	188.4	2.738	-7.70	68.5	SO312	.03070	9.8790	0.4	V
9004	23611.56	39 35N	65 49E	75.2	188.4	2.738	-7.35	68.5	SO312	.03070	9.6562	0.4	A
9005	23619.16	38 56N	65 2E	82.1	188.3	2.530	-27.65	68.6	SO312	.02200	8.9299	0.8	V
9006	23622.16	38 57N	65 2E	83.0	188.3	2.738	-27.65	68.6	SO312	.02200	8.7731	0.8	A
839 9001	28625.76	59 16N	49 20E	85.7	192.8	1.484	-30.10	52.5	SO312	.03070	8.4347	1.0	F
9002	28630.96	59 6N	49 19E	83.6	192.7	1.484	-28.70	52.7	SO312	.03070	8.7731	1.0	V
9003	28636.76	58 40N	49 38E	77.5	192.5	1.690	-18.55	53.1	SO312	.04070	9.4829	0.4	V
9004	28639.56	58 40N	49 37E	78.4	192.4	1.690	-18.55	53.1	SO312	.04070	9.2848	0.6	A
9005	28657.56	57 5N	48 35E	82.4	192.0	1.690	-26.25	54.5	SO312	.03070	8.7814	1.2	F
9006	28664.36	56 39N	47 55E	90.5	191.9	1.484	-35.35	54.8	SO312	.03070	7.9726	0.6	F
9007	28667.56	56 39N	47 54E	89.4	191.8	1.484	-35.35	54.8	SO312	.03070	8.1954	0.6	V
9008	28676.56	55 53N	49 8E	73.9	191.6	2.037	-1.40	55.7	SO312	.04070	9.9368	0.6	V
9009	28679.36	55 53N	49 8E	74.8	191.6	2.037	-1.05	55.7	SO312	.04070	9.7140	0.6	A
9010	28695.76	54 26N	48 21E	74.9	191.2	2.181	-6.65	57.0	SO312	.03070	9.6892	0.6	F
9011	28698.36	54 26N	48 21E	73.9	191.2	2.181	-6.30	57.0	SO312	.04070	9.9368	0.6	V
9012	28708.36	53 22N	49 26E	88.6	191.0	2.037	30.10	58.2	SO312	.03070	8.2284	0.6	F
9013	28716.16	53 10N	48 22E	74.8	190.9	2.181	7.35	58.2	SO312	.03070	9.8130	0.4	V
9014	28718.76	53 10N	48 21E	75.7	190.8	2.181	7.35	58.2	SO312	.03070	9.5819	0.6	A
9015	28729.76	52 8N	47 16E	75.9	190.6	2.181	-12.60	58.9	SO312	.03070	9.5489	1.8	F
9016	28735.16	52 8N	47 16E	75.7	190.6	2.181	-11.90	58.9	SO312	.03070	9.5984	1.8	A
9017	28742.96	51 30N	46 14E	85.4	190.4	1.826	-31.85	59.2	SO312	.03070	8.5833	0.6	V
9018	28745.96	51 31N	46 14E	86.2	190.4	2.037	-31.85	59.2	SO312	.03070	8.4430	0.8	A
9019	28750.36	51 13N	46 2E	88.2	190.3	2.037	-33.95	59.4	SO312	.03070	8.2532	1.0	A
9020	28778.56	48 47N	46 18E	74.9	189.9	2.390	-7.70	61.7	SO312	.03070	9.6809	0.6	F
9021	28781.16	48 48N	46 19E	74.0	189.9	2.390	-7.35	61.7	SO312	.03070	9.9285	0.6	V
9022	28784.96	48 20N	46 17E	74.6	189.8	2.390	-4.20	62.1	SO312	.03070	9.7305	0.8	F
9023	28790.16	48 21N	46 17E	74.6	189.8	2.390	-3.50	62.1	SO312	.03070	9.7305	1.0	A
9024	28806.76	46 55N	44 58E	83.9	189.5	2.037	-29.05	63.0	SO312	.03070	8.6246	1.0	F
9025	28809.76	46 55N	44 58E	82.6	189.5	2.037	-28.70	63.0	SO312	.03070	8.8804	1.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
839 9026	28852.56	43 56N	44 42E	75.0	189.0	2.530	-12.60	65.5	SO312	.02200	9.7965	0.6	V
9027	28855.36	43 56N	44 42E	75.8	189.0	2.530	-12.25	65.5	SO312	.02200	9.5819	0.4	A
9028	28860.76	43 20N	44 54E	73.7	188.9	2.530	-0.70	66.1	SO312	.03070	9.9615	0.6	V
9029	28862.56	43 12N	44 52E	73.6	188.9	2.530	-0.70	66.1	SO312	.02200	9.9780	0.6	V
9030	28865.36	43 12N	44 50E	74.5	188.9	2.738	-1.05	66.1	SO312	.02200	9.7387	0.4	A
9031	28867.36	43 4N	44 48E	74.4	188.9	2.738	-1.05	66.2	SO312	.03070	9.7470	1.0	A
9032	28875.16	42 4N	45 12E	80.9	188.8	2.530	19.95	67.2	SO312	.03070	9.0124	0.6	F
9033	28880.56	41 42N	45 4E	80.3	188.7	2.530	18.90	67.5	SO312	.01650	9.0702	1.6	F
9034	28884.16	41 39N	45 3E	79.6	188.7	2.530	19.25	67.5	SO312	.02200	9.2353	1.6	V
9035	28891.96	40 60N	44 24E	74.5	188.6	2.738	3.15	67.8	SO312	.03070	9.7552	0.6	F
9036	28894.56	40 60N	44 24E	73.7	188.6	2.738	3.50	67.8	SO312	.03070	9.9698	0.6	V
9037	28936.96	38 13N	44 31E	89.1	188.3	2.181	30.45	70.0	SO312	.02200	8.1211	1.0	A
9038	28959.76	36 13N	43 60E	88.4	188.1	2.530	28.70	71.2	SO312	.03070	8.2532	0.6	F
9039	28962.76	36 14N	43 60E	87.8	188.1	2.530	29.05	71.2	SO312	.03070	8.3770	0.6	V
9040	28984.36	34 45N	43 37E	87.8	187.9	2.390	28.70	72.0	SO312	.03070	8.3605	0.8	V
9041	28987.56	34 45N	43 37E	89.2	187.9	2.390	29.05	72.0	SO312	.02200	8.0881	1.0	A
9042	29001.96	33 51N	42 27E	75.9	187.8	3.092	-3.85	71.8	SO312	.02200	9.5489	1.2	A
9043	29262.76	15 38N	39 29E	88.8	186.8	2.881	21.70	71.4	SO312	.03070	8.2449	0.6	V
9044	29265.96	15 39N	39 29E	90.3	186.8	2.881	22.05	71.4	SO312	.03070	7.9643	0.6	A
9045	29497.56	0 20S	35 16E	98.5	186.5	3.439	-29.75	59.0	SO312	.03070	7.3949	1.6	V
9046	29764.16	18 58S	33 23E	110.4	186.9	2.881	18.20	43.1	SO312	.03070	6.5035	1.0	F
9047	29768.16	18 58S	33 23E	109.7	186.9	2.881	18.55	43.1	SO312	.03070	6.5861	1.0	V
9048	29877.76	26 18S	31 9E	108.2	187.3	3.232	-5.60	35.9	SO312	.03070	6.6521	0.6	V
9049	29881.76	26 18S	31 9E	109.8	187.3	3.232	-5.25	35.9	SO312	.03070	6.4623	0.8	A
840 9001	33780.76	69 10N	36 4E	77.3	198.7	1.338	6.65	43.4	SO312	.04070	9.3838	0.6	F
9002	33783.96	69 7N	36 5E	76.6	198.5	1.338	7.70	43.5	SO312	.04070	9.5819	0.4	V
9003	33786.76	69 7N	36 6E	77.5	198.4	1.338	8.05	43.5	SO312	.04070	9.3591	0.4	A
9004	33791.36	68 51N	35 35E	76.8	198.1	1.338	4.55	43.7	SO312	.04070	9.4581	0.4	A
9005	33800.96	68 8N	33 56E	76.4	197.6	1.338	-11.20	44.4	SO312	.04070	9.6067	0.6	V
9006	33803.76	68 8N	33 56E	77.2	197.4	1.338	-10.85	44.4	SO312	.04070	9.4086	0.6	A
9007	33807.96	67 38N	33 48E	75.3	197.2	1.338	-6.30	44.9	SO312	.04070	9.7470	0.4	V
9008	33810.76	67 38N	33 47E	76.2	197.1	1.338	-6.30	44.9	SO312	.04070	9.5324	0.4	A
9009	33820.96	66 33N	34 56E	85.2	196.6	1.484	26.25	46.0	SO312	.04070	8.6328	1.0	V
9010	33824.16	66 33N	34 56E	86.5	196.5	1.484	26.60	46.0	SO312	.04070	8.3935	0.8	A
9011	33900.76	61 25N	29 49E	74.4	193.7	1.826	0.35	50.7	SO312	.04070	9.8708	0.4	V
9012	33906.96	60 44N	30 8E	78.5	193.5	1.826	14.70	51.4	SO312	.04070	9.2600	0.6	F
9013	33909.76	60 44N	30 8E	77.8	193.4	1.826	15.05	51.5	SO312	.04070	9.4581	0.6	V
9014	33914.56	60 14N	29 44E	77.6	193.3	1.826	12.25	51.9	SO312	.04070	9.3756	0.4	F
9015	33917.36	60 14N	29 44E	76.8	193.2	1.826	12.60	51.9	SO312	.04070	9.5819	0.4	V
9016	33922.56	59 49N	30 9E	83.8	193.0	1.690	25.55	52.4	SO312	.03070	8.7731	0.8	V
9017	33925.56	59 49N	30 10E	85.0	193.0	1.690	25.90	52.4	SO312	.03070	8.5255	1.0	A
9018	34010.56	53 54N	25 17E	81.4	191.1	1.826	-25.20	57.3	SO312	.03070	8.8804	0.4	F
9019	34013.36	53 55N	25 15E	80.7	191.0	1.826	-25.55	57.3	SO312	.03070	9.0867	0.4	V
9020	34018.16	53 37N	24 47E	86.6	190.9	1.826	-33.25	57.4	SO312	.03070	8.4595	0.6	V
9021	34021.36	53 37N	24 46E	87.6	190.9	1.826	-33.25	57.4	SO312	.03070	8.2944	0.6	A
9022	34027.96	52 43N	24 57E	80.0	190.8	2.037	-23.10	58.3	SO312	.03070	9.0537	0.6	F
9023	34030.76	52 43N	24 57E	78.8	190.7	2.037	-22.75	58.3	SO312	.03070	9.3096	0.6	V
9024	34032.76	52 35N	24 54E	78.8	190.7	2.037	-22.75	58.4	SO312	.03070	9.3178	0.6	V
9025	34035.76	52 34N	24 53E	79.8	190.6	2.037	-22.75	58.4	SO312	.03070	9.1197	0.6	A
9026	34045.76	51 21N	25 54E	78.4	190.5	2.181	15.75	59.8	SO312	.03070	9.2683	0.6	F
9027	34058.96	50 50N	23 54E	85.5	190.3	1.826	-32.20	59.8	SO312	.03070	8.5998	0.4	V
9028	34062.16	50 50N	23 54E	86.0	190.2	2.037	-31.85	59.8	SO312	.03070	8.4512	0.4	A
9029	34127.76	45 42N	24 25E	85.3	189.4	2.390	26.60	64.6	SO312	.03070	8.5420	0.6	F
9030	34130.56	45 43N	24 24E	84.2	189.3	2.181	26.60	64.6	SO312	.03070	8.7071	0.8	V
9031	34133.76	45 42N	24 24E	85.5	189.3	2.181	26.95	64.6	SO312	.03070	8.4760	0.6	A
9032	34147.76	44 21N	23 54E	83.3	189.1	2.390	23.80	65.6	SO312	.03070	8.7401	0.8	F
9033	34150.76	44 21N	23 53E	82.4	189.1	2.390	23.80	65.6	SO312	.03070	8.9134	0.8	V
9034	34153.76	44 21N	23 52E	83.5	189.1	2.181	24.15	65.6	SO312	.03070	8.6741	0.6	A
9035	34159.16	43 46N	23 48E	84.3	189.0	2.181	26.25	66.1	SO312	.03070	8.7318	0.6	V
9036	34164.16	43 14N	23 32E	82.8	189.0	2.390	23.10	66.4	SO312	.03070	8.7979	0.6	F
9037	34166.96	43 14N	23 32E	82.1	188.9	2.390	23.45	66.4	SO312	.03070	8.9464	0.6	V
9038	34171.96	42 42N	23 20E	81.8	188.9	2.390	21.70	66.8	SO312	.03070	8.9052	0.6	F
9039	34174.76	42 43N	23 20E	81.1	188.9	2.390	22.05	66.8	SO312	.03070	9.0537	0.4	V
9040	34177.36	42 20N	23 15E	82.2	188.8	2.390	22.40	67.1	SO312	.01650	8.8639	0.6	F
9041	34180.36	42 20N	23 15E	81.5	188.8	2.390	22.75	67.1	SO312	.01650	9.0124	0.6	V
9042	34186.16	41 52N	23 39E	93.8	188.8	2.181	35.70	67.7	SO312	.01650	7.8488	0.6	V
9043	34189.56	41 52N	23 39E	95.5	188.7	1.826	36.40	67.7	SO312	.01650	7.5847	0.6	A
9044	34207.96	40 38N	20 59E	87.1	188.6	2.390	-34.30	67.4	SO312	.03070	8.4265	0.4	V
9045	34211.16	40 38N	20 59E	87.8	188.5	2.390	-33.95	67.4	SO312	.03070	8.2662	0.4	A
9046	34317.56	32 42N	20 56E	86.1	187.8	2.738	24.85	72.8	SO312	.03070	8.4512	0.4	F
9047	34320.56	32 42N	20 56E	85.6	187.7	2.530	25.55	72.8	SO312	.03070	8.5833	0.4	V
9048	34327.96	32 6N	20 5E	76.3	187.7	3.092	0.35	72.6	SO312	.03070	9.5076	0.6	F
9049	34333.56	32 5N	20 4E	76.5	187.7	3.092	0.70	72.6	SO312	.03070	9.4581	0.6	A
9050	34618.76	12 9N	15 3E	103.9	186.7	2.881	-39.55	68.0	SO312	.02200	6.8997	0.8	F
9051	34622.36	12 9N	15 3E	102.4	186.7	2.881	-39.20	68.0	SO312	.02200	7.1143	0.8	V
9052	34866.96	4 56S	12 37E	97.3	186.5	3.439	-21.00	55.2	SO312	.03070	7.3701	0.6	F
9053	34870.56	4 56S	12 38E	96.1	186.5	3.439	-20.30	55.2	SO312	.03070	7.5599	0.6	V
9054	34875.96	5 32S	12 12E	105.4	186.5	3.232	-30.80	54.5	SO312	.02200	6.7841	1.2	F
9055	34879.76	5 32S	12 12E	103.9	186.5	3.439	-30.45	54.5	SO312	.03070	6.9905	1.2	V
9056	34885.96	5 59S	12 25E	97.3	186.5	3.587	-21.35	54.3	SO312	.03070	7.4526	0.4	V
9057	34889.56	5 59S	12 24E	98.5	186.5	3.587	-21.00	54.3	SO312	.03070	7.2793	0.4	A
9058	34919.96	8 44S	13 18E	108.4	186.6	2.881	25.20	52.6	SO312	.02200	6.6356	2.0	F
9059	34923.96	8 44S	13 18E	107.8	186.6	2.881	25.55	52.6	SO312	.02200	6.7099	2.2	V
9060	34929.56	8 51S	13 18E	110.2	186.6	2.530	26.60	52.5	SO312	.02200	6.4458	0.6	A
841 9001	39347.76	51 57N	4 28E	85.6	190.5	1.826	27.30	59.4	SO312	.03070	8.4678	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
841 9002	39390.16	49 1N	1 56E	75.3	189.9	2.390	-14.35	61.5	SO312	.03070	9.7552	0.6	V
9003	39392.96	49 1N	1 56E	76.1	189.9	2.390	-14.00	61.5	SO312	.03070	9.5489	0.6	A
9004	39466.76	43 39N	1 29E	80.8	189.0	2.390	21.35	66.1	SO312	.01650	9.0950	0.8	V
9005	39469.76	43 39N	1 29E	82.0	189.0	2.390	21.70	66.1	SO312	.01650	8.8226	0.8	A
9006	39580.16	35 41N	0 35W	83.1	188.0	2.738	21.70	71.4	SO312	.03070	8.7566	0.6	F
9007	39583.16	35 40N	0 36W	82.3	188.0	2.530	22.05	71.4	SO312	.03070	8.9217	1.0	V
9008	39586.56	35 39N	0 36W	83.6	188.0	2.530	22.40	71.4	SO312	.01650	8.6411	0.6	A
9009	39597.36	34 35N	1 27W	75.3	187.9	2.881	1.05	71.5	SO312	.03070	9.6397	0.6	F
9010	39599.96	34 35N	1 27W	74.6	187.9	2.881	1.40	71.5	SO312	.03070	9.8460	0.8	V
9011	39640.56	31 38N	2 13W	76.3	187.7	3.092	-3.50	72.7	SO312	.03070	9.5076	0.6	F
9012	39643.16	31 38N	2 13W	75.5	187.6	3.092	-3.15	72.7	SO312	.03070	9.7140	0.8	V
843 9001	50728.36	0 50S	52 35W	90.2	186.5	3.587	-6.65	58.9	SO312	.03070	7.9561	1.4	A
9002	50761.96	3 12S	52 15W	100.4	186.5	2.881	21.00	57.4	SO312	.02200	7.1143	1.4	A
9003	51034.56	22 7S	57 56W	138.7	187.0	2.738	-42.70	39.1	SO312	.02200	5.1253	1.4	F
9004	51041.36	22 35S	57 50W	132.1	187.0	2.881	-39.20	38.7	SO312	.02200	5.3729	1.6	F
9005	51048.36	22 24S	57 50W	132.4	187.1	3.092	-39.20	38.9	SO312	.02200	5.4059	1.4	A
9006	51055.56	22 57S	57 35W	122.0	187.1	3.439	-32.20	38.6	SO312	.03070	5.8515	0.8	A
9007	51061.36	23 23S	57 26W	116.1	187.1	3.439	-26.25	38.3	SO312	.03070	6.1487	0.4	A
9008	51079.16	25 11S	57 30W	112.1	187.2	3.732	-19.25	36.7	SO312	.03070	6.3467	2.0	F
9009	51084.56	25 16S	57 39W	113.0	187.2	3.232	-22.05	36.6	SO312	.04070	6.3715	0.8	V
9010	51088.76	25 16S	57 39W	114.5	187.2	3.439	-22.05	36.6	SO312	.04070	6.2229	1.0	A
9011	51097.96	26 8S	58 9W	120.6	187.3	3.232	-29.75	35.6	SO312	.03070	5.9671	0.8	V
9012	51103.16	26 10S	58 13W	123.4	187.3	3.439	-30.80	35.5	SO312	.03070	5.7773	1.4	A
9013	51108.56	26 51S	58 17W	120.5	187.3	3.232	-29.05	34.9	SO312	.03070	5.9671	1.0	V
9014	51114.16	27 30S	58 49W	133.5	187.3	2.881	-37.10	34.1	SO312	.03070	5.3069	0.4	F
9015	51118.56	27 28S	58 57W	135.9	187.3	2.881	-39.20	34.1	SO312	.03070	5.2903	0.6	V
9016	51122.96	28 7S	58 44W	127.8	187.4	2.881	-32.90	33.7	SO312	.03070	5.5462	0.8	F
9017	51131.36	28 25S	58 24W	117.0	187.4	3.232	-23.80	33.5	SO312	.03070	6.1487	0.6	V
9018	51143.96	29 44S	57 3W	119.5	187.5	2.738	18.20	32.9	SO312	.03070	5.9753	1.2	F
9019	51154.36	29 45S	58 4W	112.4	187.5	3.232	-7.70	32.5	SO312	.03070	6.3137	0.6	A
9020	51160.36	30 45S	58 1W	112.2	187.5	3.092	-1.40	31.7	SO312	.03070	6.3467	0.6	F
9021	51172.56	30 45S	59 39W	138.1	187.6	3.232	-37.80	31.0	SO312	.03070	5.1583	0.6	A
9022	51179.76	31 60S	58 49W	115.7	187.6	3.092	-14.70	30.3	SO312	.03070	6.1404	1.4	F
9023	51185.96	31 48S	59 2W	119.2	187.7	3.232	-20.30	30.4	SO312	.03070	5.9588	0.6	A
9024	51194.36	32 29S	58 16W	114.9	187.7	2.881	3.15	30.1	SO312	.03070	6.1487	0.6	A
9025	51197.16	32 41S	58 17W	115.2	187.7	2.881	3.50	29.9	SO312	.03070	6.1322	1.4	A
9026	51202.56	33 19S	58 35W	113.4	187.8	2.881	-0.70	29.2	SO312	.04070	6.3302	1.0	V
9027	51210.56	34 14S	57 57W	123.7	187.8	2.530	18.55	28.6	SO312	.03070	5.7525	1.0	F
9028	51215.96	34 33S	58 21W	119.0	187.9	2.738	11.20	28.2	SO312	.04070	5.9836	1.4	F
9029	51223.56	34 50S	57 54W	127.2	187.9	2.181	23.10	28.1	SO312	.04070	5.6287	0.4	V
9030	51228.36	34 50S	57 54W	129.5	187.9	2.181	23.45	28.2	SO312	.04070	5.4224	0.6	A
9031	51241.56	35 30S	60 7W	125.7	188.0	3.232	-24.50	26.8	SO312	.03070	5.6370	1.4	A
9032	51249.56	36 45S	59 26W	117.2	188.1	2.881	-2.80	25.9	SO312	.04070	6.0579	0.8	F
9033	51253.16	36 60S	59 25W	117.5	188.1	2.881	-1.05	25.7	SO312	.04070	6.0496	0.6	F
9034	51257.96	36 43S	59 32W	117.9	188.1	2.881	-4.20	25.9	SO312	.04070	5.9919	1.0	A
9035	51264.56	37 12S	59 13W	119.7	188.2	2.738	5.95	25.6	SO312	.04070	5.8928	1.2	A
9036	51272.56	38 19S	59 37W	118.9	188.3	2.738	1.75	24.5	SO312	.04070	5.9753	0.8	F
9037	51279.16	38 42S	60 7W	119.3	188.3	2.881	-7.35	24.0	SO312	.04070	5.9506	0.6	F
9038	51290.16	38 41S	61 14W	134.0	188.4	3.092	-29.40	23.6	SO312	.03070	5.2821	1.6	A
844 9001	55944.56	4 47N	74 16W	94.2	186.5	3.439	-28.35	63.1	SO312	.01650	7.6425	1.4	F
9002	55949.96	4 37N	74 5W	89.3	186.5	3.439	-20.30	63.1	SO312	.03070	8.1789	0.4	V
9003	55959.16	4 8N	73 33W	87.7	186.5	3.439	3.85	63.2	SO312	.03070	8.1789	1.4	A
9004	55983.36	2 27N	73 30W	94.0	186.5	3.092	17.15	62.1	SO312	.03070	7.6094	1.0	A
9005	56015.96	0 20N	74 55W	94.6	186.5	3.587	-22.40	59.6	SO312	.03070	7.6094	1.0	A
9006	56035.56	1 8S	73 55W	100.9	186.5	2.738	23.45	59.2	SO312	.02200	7.0730	1.0	A
9007	56143.96	8 57S	76 5W	95.0	186.6	3.587	-6.30	51.9	SO312	.03070	7.5882	1.0	F
9008	56150.96	8 58S	75 60W	95.3	186.6	3.439	-2.10	51.9	SO312	.03070	7.5021	1.0	A
9009	56189.96	12 3S	77 0W	101.0	186.6	3.439	-18.55	48.9	SO312	.03070	7.0978	0.6	F
9010	56193.56	12 3S	77 0W	99.9	186.7	3.439	-18.20	48.9	SO312	.03070	7.2628	0.6	V
845 5001	60754.56	38 45N	90 15W	96.5	188.3	2.037	-40.60	68.5	SO312	.02210	7.4781	3.0	F
9001	60704.76	42 14N	87 50W	74.5	188.8	2.530	5.25	67.0	SO312	.02200	9.8625	7.4	V
9002	60754.56	38 45N	90 15W	96.6	188.3	2.037	-40.60	68.5	SO312	.02200	7.4774	3.0	F
846 5001	66131.36	33 35N	112 22W	75.8	187.8	2.881	-6.30	71.9	SO312	.02210	9.5746	0.8	F
5002	66136.96	33 34N	112 22W	75.9	187.8	3.092	-5.60	71.9	SO312	.02210	9.5663	0.6	A
9001	66131.36	33 34N	112 22W	75.8	187.8	2.881	-6.30	71.9	SO312	.02200	9.5737	0.6	F
9002	66136.76	33 35N	112 22W	75.9	187.8	3.092	-5.60	71.9	SO312	.02200	9.5654	0.8	A
851 9001	5985.56	53 35N	143 6E	74.1	191.0	2.037	3.85	57.9	SO312	.04070	9.9203	0.4	V
9002	5988.16	53 35N	143 6E	75.0	190.9	2.037	4.20	57.9	SO312	.04070	9.6809	0.4	A
852 5001	11315.76	52 19N	120 47E	76.8	190.6	2.181	12.25	59.0	SO312	.03080	9.4590	2.4	A
5002	11343.76	50 22N	120 29E	81.9	190.2	2.037	22.75	60.8	SO312	.02210	8.8482	3.4	A
5003	11484.76	40 27N	116 41E	74.7	188.6	2.738	-2.10	68.1	SO312	.03080	9.7231	0.8	F
5004	11487.56	40 26N	116 41E	74.0	188.5	2.738	-1.75	68.1	SO312	.03080	9.9295	0.6	V
5005	11491.16	39 60N	116 39E	74.9	188.5	2.738	0.70	68.5	SO312	.03080	9.6984	0.4	F
5006	11502.56	39 35N	116 35E	75.4	188.4	2.738	2.80	68.8	SO312	.03080	9.6324	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

KEY FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
852 5007	11515.36	38 26N	116 57E	83.0	188.3	2.530	23.80	69.8	SO312	.02210	8.8565	0.8	V
5008	11518.56	38 26N	116 57E	84.4	188.3	2.530	24.15	69.8	SO312	.02210	8.5923	0.8	A
5009	11557.16	35 34N	116 16E	84.4	188.0	2.390	25.20	71.5	SO312	.02210	8.6914	0.8	V
5010	11758.16	21 51N	112 25E	78.6	187.0	3.232	-9.80	73.1	SO312	.04000	9.3187	0.6	V
5011	11761.16	21 51N	112 25E	79.6	187.0	3.232	-9.45	73.1	SO312	.04000	9.1041	0.4	A
5012	12074.56	0 1N	109 20E	97.8	186.5	2.881	21.70	60.1	SO312	.03086	7.4450	0.8	V
5013	12078.36	0 0N	109 21E	99.9	186.5	2.881	22.40	60.1	SO312	.03080	7.1727	0.6	A
9001	11142.76	63 42N	125 33E	75.9	194.8	1.484	-7.00	48.7	SO312	.04070	9.5489	0.8	F
9002	11148.16	63 42N	125 33E	75.8	194.7	1.484	-6.30	48.7	SO312	.04070	9.5819	0.8	A
9003	11315.76	52 18N	120 47E	76.8	190.6	2.181	12.25	59.0	SO312	.03070	9.4581	2.2	A
9004	11326.36	51 38N	120 2E	74.3	190.4	2.390	-2.10	59.5	SO312	.03070	9.7800	5.0	A
9005	11343.76	50 22N	120 29E	81.9	190.2	2.037	22.75	60.8	SO312	.02200	8.8474	3.4	A
9006	11354.76	49 16N	119 47E	77.3	190.0	2.390	14.00	61.6	SO312	.02200	9.4086	1.4	F
9007	11361.16	49 13N	119 43E	77.1	189.9	2.390	13.30	61.7	SO312	.02200	9.4086	1.2	A
9008	11465.76	42 2N	117 58E	84.2	188.7	2.181	26.25	67.4	SO312	.03070	8.5998	0.6	A
9009	11473.16	41 4N	117 60E	91.5	188.7	2.390	32.55	68.2	SO312	.02200	7.9726	0.6	F
9010	11494.96	39 54N	116 42E	74.6	188.5	2.738	3.85	68.6	SO312	.03070	9.8543	0.4	V
9011	11497.56	39 55N	116 42E	75.5	188.5	2.738	4.20	68.6	SO312	.03070	9.5984	0.4	A
9012	11526.96	37 31N	116 7E	75.7	188.2	2.881	3.85	70.0	SO312	.02200	9.6067	0.8	F
9013	11532.36	37 32N	116 8E	76.0	188.2	2.881	4.90	70.1	SO312	.02200	9.5406	0.8	A
9014	11544.36	36 38N	116 56E	96.4	188.1	2.037	36.05	71.2	SO312	.01650	7.4856	0.6	A
9015	11550.76	36 12N	116 45E	94.3	188.0	2.181	34.30	71.4	SO312	.02200	7.6590	0.6	A
9016	11568.36	34 45N	114 48E	79.4	187.9	2.881	-20.30	71.1	SO312	.03070	9.1197	0.4	F
9017	11573.76	34 50N	114 23E	87.6	187.9	2.738	-32.55	70.8	SO312	.02200	8.3109	0.6	A
9018	11578.76	34 29N	114 22E	86.5	187.9	2.738	-31.15	71.0	SO312	.02200	8.4265	0.8	A
9019	11587.16	33 38N	114 40E	77.0	187.8	2.881	-15.75	71.7	SO312	.03070	9.5406	0.4	V
9020	11602.76	32 50N	114 1E	86.4	187.7	2.881	-30.80	71.7	SO312	.02200	8.4182	0.4	A
9021	11668.96	27 50N	113 12E	83.3	187.4	2.881	-24.85	73.1	SO312	.03070	8.6741	0.4	F
9022	11674.76	27 50N	113 11E	83.1	187.3	3.092	-24.50	73.1	SO312	.03070	8.7401	0.6	A
9023	12162.76	6 8S	106 51E	103.9	186.5	3.439	-28.70	53.9	SO312	.02200	6.8914	0.6	F
9024	12170.76	6 30S	107 28E	93.1	186.5	3.587	-5.25	54.0	SO312	.03070	7.8075	0.4	V
9025	12174.16	6 30S	107 28E	94.4	186.6	3.587	-4.90	54.0	SO312	.03070	7.5847	0.6	A
9026	12179.36	6 52S	107 33E	94.8	186.6	3.439	0.35	53.8	SO312	.03070	7.5434	0.6	A
853 5001	16574.96	55 54N	98 10E	88.2	191.5	1.826	-33.95	55.5	SO312	.02210	8.2622	0.4	A
5002	17944.96	37 50S	77 35E	140.3	188.3	2.881	-34.65	24.2	SO312	.03080	5.1009	0.6	V
5003	17950.56	37 51S	77 33E	142.3	188.3	3.092	-34.65	24.2	SO312	.03080	4.9936	0.4	A
9001	16552.96	56 39N	101 21E	88.1	192.0	2.037	29.75	55.4	SO312	.03070	8.2697	1.0	F
9002	16559.16	56 39N	101 21E	88.5	191.8	1.826	30.45	55.4	SO312	.03070	8.1624	1.2	A
9003	16887.36	34 14N	92 27E	78.1	187.9	2.738	-24.50	71.3	SO312	.03070	9.4003	0.4	V
854 5001	21672.76	69 23N	88 8E	84.9	198.9	1.135	25.55	43.3	SO312	.04000	8.6584	0.4	V
5002	21675.76	69 23N	88 7E	85.9	198.7	1.135	25.55	43.3	SO312	.04000	8.4685	0.4	A
5003	22008.96	46 52N	75 2E	80.7	189.5	2.390	21.70	63.7	SO312	.02210	9.1123	0.4	V
5004	22019.96	46 4N	73 28E	77.4	189.4	2.390	-18.55	63.9	SO312	.03080	9.3600	0.6	F
5005	22022.76	46 4N	73 28E	76.4	189.4	2.390	-18.20	63.9	SO312	.03080	9.6158	0.4	V
5006	22068.16	42 49N	73 51E	81.3	188.9	2.390	22.75	66.8	SO312	.02210	9.0381	0.8	V
5007	22071.16	42 49N	73 51E	82.6	188.8	2.390	23.10	66.8	SO312	.02210	8.7822	0.8	A
5008	22097.36	40 45N	72 18E	75.2	188.6	2.738	-10.15	67.8	SO312	.02210	9.6489	0.4	F
5009	22099.96	40 45N	72 18E	74.4	188.6	2.738	-9.80	67.8	SO312	.02210	9.8800	0.6	V
9001	21899.16	54 22N	77 22E	76.0	191.2	2.181	11.90	57.3	SO312	.03070	9.6727	0.6	V
9002	21901.96	54 22N	77 22E	77.0	191.1	2.181	12.25	57.3	SO312	.03070	9.4251	0.6	A
9003	22019.96	46 4N	73 28E	77.5	189.4	2.390	-18.55	63.9	SO312	.03070	9.3591	0.6	F
9004	22022.76	46 4N	73 28E	76.4	189.4	2.390	-18.20	63.9	SO312	.03070	9.6149	0.6	V
9005	22025.36	45 53N	73 24E	76.6	189.3	2.390	-18.55	64.0	SO312	.03070	9.5902	0.4	V
9006	22028.16	45 53N	73 24E	77.4	189.3	2.390	-18.20	64.0	SO312	.03070	9.4003	0.4	A
9007	22108.36	40 27N	71 32E	85.1	188.5	2.530	-30.80	67.7	SO312	.03070	8.5420	0.6	A
9008	22195.36	34 2N	72 2E	94.1	187.9	2.181	34.65	72.5	SO312	.02200	7.8158	1.0	V
9009	22198.96	34 2N	72 2E	95.8	187.8	2.181	35.00	72.5	SO312	.01650	7.5517	0.8	A
9010	22209.36	33 2N	70 36E	75.9	187.8	3.092	-5.25	72.1	SO312	.02200	9.5654	1.0	F
9011	22214.96	33 1N	70 37E	76.0	187.7	3.092	-4.20	72.2	SO312	.02200	9.5406	0.8	A
855 5001	27142.16	58 53N	57 47E	81.9	192.6	1.690	22.05	53.3	SO312	.03080	8.8647	0.6	A
5002	27198.96	54 49N	56 8E	85.0	191.3	1.826	27.65	57.0	SO312	.03080	8.6584	0.4	V
5003	27202.16	54 48N	56 8E	86.4	191.3	1.826	28.00	57.0	SO312	.03080	8.4190	0.4	A
5004	27214.16	53 36N	55 31E	83.9	191.1	2.037	25.20	58.1	SO312	.03080	8.6831	0.8	F
5005	27217.16	53 35N	55 31E	83.3	191.0	2.037	25.55	58.1	SO312	.03080	8.8235	0.8	V
5006	27245.36	51 28N	54 48E	86.0	190.5	2.181	27.65	59.9	SO312	.03080	8.4768	1.0	F
5007	27248.56	51 27N	54 48E	85.4	190.5	2.181	28.00	59.9	SO312	.03080	8.6254	0.8	V
5008	27294.56	48 5N	53 45E	89.6	189.8	2.181	31.15	62.8	SO312	.03080	8.1549	1.0	F
5009	27297.76	48 5N	53 45E	89.0	189.8	2.181	31.50	62.8	SO312	.03080	8.2787	1.0	V
5010	27410.16	40 37N	49 34E	82.4	188.6	2.390	-28.00	67.6	SO312	.01660	8.9143	0.8	V
5011	27413.16	40 37N	49 34E	83.2	188.5	2.390	-27.65	67.6	SO312	.01660	8.7574	0.8	A
5012	27526.16	32 35N	48 19E	75.6	187.7	2.881	-8.05	72.3	SO312	.03080	9.7149	0.6	V
5013	27528.96	32 35N	48 18E	76.5	187.7	3.092	-8.05	72.3	SO312	.03080	9.4920	0.6	A
5014	27540.16	31 29N	47 18E	89.8	187.6	2.530	-33.95	72.0	SO312	.02210	8.0311	0.8	F
5015	27543.36	31 29N	47 18E	88.7	187.6	2.738	-33.95	72.1	SO312	.03080	8.2622	0.8	V
5016	27552.36	30 36N	47 47E	77.6	187.6	3.092	-12.60	72.8	SO312	.03080	9.3352	0.8	F
5017	27555.16	30 36N	47 46E	76.8	187.6	3.092	-12.25	72.8	SO312	.03080	9.5581	0.6	V
5018	27560.36	30 2N	47 57E	76.7	187.5	3.092	-1.40	73.2	SO312	.04000	9.4673	0.4	F
5019	27562.96	30 2N	47 57E	76.0	187.5	3.092	-1.05	73.2	SO312	.04000	9.6571	0.6	V
5020	27568.96	29 25N	48 0E	77.8	187.5	3.092	5.95	73.5	SO312	.03080	9.3435	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
855 5021	27574.56	29 25N	48 0E	78.3	187.5	2.881	7.00	73.5	SO312	.03080	9.2527	0.8	A
5022	27633.76	24 60N	46 42E	78.3	187.2	3.232	-9.80	73.5	SO312	.03080	9.2609	1.0	F
5023	27640.76	24 42N	46 45E	77.4	187.2	3.232	-5.25	73.6	SO312	.03080	9.4673	0.6	V
5024	27643.56	24 42N	46 45E	78.4	187.1	3.232	-4.90	73.6	SO312	.03080	9.2444	0.6	A
5025	27774.76	15 20N	44 13E	93.8	186.8	3.092	-33.60	70.0	SO312	.02210	7.6927	0.4	F
5026	27778.16	15 20N	44 13E	92.2	186.7	3.092	-32.90	70.0	SO312	.02210	7.9320	0.4	V
5027	27788.76	14 34N	44 24E	84.6	186.7	3.232	-22.05	69.8	SO312	.03080	8.6419	0.4	V
5028	27791.96	14 33N	44 24E	85.6	186.7	3.439	-22.05	69.8	SO312	.03080	8.4685	0.4	A
5029	27858.96	9 43N	43 39E	85.6	186.6	3.439	-18.20	66.9	SO312	.03080	8.5346	0.6	V
5030	27862.16	9 43N	43 38E	86.7	186.6	3.439	-17.85	66.9	SO312	.03080	8.3447	0.6	A
9001	27131.56	59 31N	56 56E	74.1	192.9	1.826	-4.20	52.6	SO312	.03070	9.9203	0.6	V
9002	27134.36	59 31N	56 56E	74.9	192.8	1.826	-3.85	52.6	SO312	.03070	9.6974	0.6	A
9003	27151.36	58 6N	56 58E	76.3	192.4	1.826	12.60	53.9	SO312	.03070	9.6314	0.4	V
9004	27155.76	57 35N	57 1E	80.1	192.3	2.037	18.90	54.5	SO312	.03070	9.0867	3.2	F
9005	27162.76	57 29N	57 4E	81.6	192.1	1.826	21.70	54.6	SO312	.03070	8.8969	4.8	A
9006	27181.16	56 17N	54 16E	84.4	191.7	1.690	-30.45	55.3	SO312	.03070	8.6988	0.6	V
9007	27184.16	56 18N	54 16E	85.4	191.6	1.690	-30.45	55.2	SO312	.03070	8.5173	0.6	A
9008	27245.36	51 27N	54 48E	86.1	190.5	2.181	27.65	59.9	SO312	.03070	8.4760	0.8	F
9009	27248.36	51 27N	54 48E	85.4	190.5	2.181	28.00	59.9	SO312	.03070	8.6246	0.8	V
9010	27294.56	48 5N	53 44E	89.6	189.8	2.181	31.15	62.8	SO312	.03070	8.1541	0.8	F
9011	27297.76	48 5N	53 45E	88.9	189.8	2.181	31.50	62.8	SO312	.03070	8.2779	0.8	V
9012	27404.76	40 47N	49 30E	86.0	188.6	2.390	-31.50	67.4	SO312	.03070	8.4017	1.2	F
9013	27416.76	40 10N	49 28E	82.2	188.5	2.390	-27.65	67.9	SO312	.01650	8.9299	0.8	V
9014	27419.76	40 10N	49 28E	82.9	188.5	2.390	-27.30	67.9	SO312	.01650	8.7731	0.8	A
9015	27422.96	39 57N	49 25E	83.0	188.4	2.390	-27.30	68.1	SO312	.03070	8.7649	0.6	A
9016	27568.96	29 24N	48 0E	77.9	187.5	3.092	5.95	73.5	SO312	.03070	9.3426	0.8	F
9017	27574.56	29 24N	48 0E	78.2	187.5	2.881	7.00	73.5	SO312	.03070	9.2518	0.8	A
9018	27774.16	15 22N	44 13E	93.7	186.8	3.092	-33.60	70.0	SO312	.01650	7.6920	1.4	F
9019	27780.96	15 22N	44 13E	93.4	186.7	3.092	-32.90	70.0	SO312	.01650	7.7662	1.2	A
9020	27799.76	13 45N	44 44E	80.8	186.7	3.439	-3.15	69.8	SO312	.03070	9.0537	0.8	V
9021	27802.76	13 45N	44 44E	81.9	186.7	3.439	-2.80	69.8	SO312	.03070	8.8144	0.8	A
9022	27809.36	12 49N	45 2E	87.2	186.7	3.232	14.70	69.6	SO312	.03070	8.3274	0.4	F
9023	27812.16	12 50N	45 2E	86.5	186.7	3.232	15.05	69.6	SO312	.03070	8.4595	0.8	V
9024	27843.16	10 26N	44 60E	97.9	186.6	2.881	27.65	68.3	SO312	.01650	7.4279	0.6	F
9025	27846.76	10 25N	44 60E	97.3	186.6	2.881	28.00	68.3	SO312	.01650	7.5187	0.4	V
9026	28004.36	0 20S	42 34E	91.1	186.5	3.232	8.40	59.6	SO312	.03070	7.9891	0.8	V
9027	28007.76	0 20S	42 34E	92.7	186.5	3.232	9.10	59.6	SO312	.03070	7.7342	0.8	A
856 5001	32324.96	67 9N	41 15E	81.9	196.9	1.338	20.30	45.5	SO312	.04000	8.8730	0.6	A
5002	32356.56	64 40N	39 13E	81.2	195.5	1.690	19.60	47.9	SO312	.04000	8.9473	0.6	F
5003	32362.56	64 40N	39 12E	81.6	195.3	1.484	20.30	47.9	SO312	.04000	8.9060	0.4	A
5004	32434.36	59 33N	35 25E	76.1	193.0	1.826	8.40	52.6	SO312	.04000	9.5663	0.6	F
5005	32436.96	59 33N	35 25E	75.2	192.9	1.826	8.40	52.6	SO312	.04000	9.7727	0.6	V
5006	32441.96	59 12N	35 21E	76.0	192.8	1.826	11.20	52.9	SO312	.04000	9.6736	0.6	V
5007	32460.36	57 54N	33 40E	76.2	192.3	1.826	-13.30	54.0	SO312	.04000	9.5168	0.6	F
5008	32462.96	57 54N	33 41E	75.2	192.3	1.826	-12.95	54.0	SO312	.04000	9.7562	0.6	V
5009	32466.56	57 39N	33 38E	74.8	192.2	1.826	-11.20	54.2	SO312	.04000	9.8139	0.4	V
5010	32469.16	57 40N	33 38E	75.7	192.1	2.037	-11.20	54.2	SO312	.04000	9.6241	1.2	A
5011	32473.96	56 57N	33 35E	74.6	192.0	2.037	-5.25	54.9	SO312	.04000	9.7314	0.6	F
5012	32483.96	56 19N	34 26E	80.8	191.8	1.826	22.05	55.6	SO312	.03080	9.1041	1.0	V
5013	32487.36	56 17N	34 25E	82.0	191.7	1.826	22.40	55.6	SO312	.03080	8.8647	0.6	A
5014	32514.36	54 44N	31 22E	88.6	191.2	1.826	-34.30	56.6	SO312	.03080	8.2374	0.6	A
5015	32521.36	53 46N	31 51E	76.8	191.1	2.037	-16.45	57.6	SO312	.03080	9.4343	0.4	F
5016	32524.16	53 46N	31 51E	75.9	191.0	2.037	-16.10	57.6	SO312	.03080	9.6819	0.4	V
5017	32527.76	53 43N	31 42E	77.9	190.9	2.037	-18.90	57.6	SO312	.03080	9.3517	0.6	A
5018	32541.36	52 26N	30 53E	83.0	190.7	1.826	-28.00	58.6	SO312	.03080	8.7327	0.4	F
5019	32544.16	52 27N	30 53E	81.9	190.7	1.826	-27.65	58.6	SO312	.03080	8.9803	0.4	V
5020	32548.16	52 23N	30 52E	82.5	190.6	2.037	-27.30	58.7	SO312	.03080	8.8317	0.6	A
5021	32582.16	49 51N	30 0E	82.2	190.1	2.037	-28.35	60.7	SO312	.03080	8.9390	0.4	V
5022	32585.16	49 51N	30 0E	82.9	190.0	2.037	-28.00	60.7	SO312	.03080	8.7904	0.4	A
5023	32595.76	48 34N	31 8E	77.9	189.9	2.390	14.70	62.2	SO312	.03080	9.3517	1.2	F
5024	32598.96	48 21N	31 4E	78.0	189.8	2.390	15.05	62.4	SO312	.03080	9.3352	0.4	F
5025	32601.96	48 9N	31 2E	78.5	189.8	2.390	16.10	62.6	SO312	.03080	9.2774	0.4	F
5026	32603.16	48 4N	31 1E	78.6	189.8	2.390	16.10	62.7	SO312	.03080	9.2774	1.4	F
5027	32606.76	48 0N	30 60E	77.9	189.7	2.390	16.45	62.7	SO312	.03080	9.4425	0.6	V
5028	32607.96	47 55N	30 58E	77.9	189.7	2.390	16.45	62.8	SO312	.03080	9.4425	0.6	V
5029	32610.96	47 55N	30 57E	78.9	189.7	2.181	16.80	62.8	SO312	.03080	9.1949	0.4	A
5030	32615.76	47 11N	30 49E	79.8	189.6	2.390	18.55	63.4	SO312	.03080	9.1289	0.6	F
5031	32618.56	47 11N	30 48E	78.9	189.6	2.390	18.55	63.4	SO312	.03080	9.3104	0.6	V
5032	32635.96	46 6N	29 40E	73.8	189.4	2.530	-5.95	64.0	SO312	.03080	9.9625	0.6	V
5033	32638.96	46 4N	29 40E	74.7	189.3	2.530	-5.25	64.0	SO312	.03080	9.7397	0.4	A
5034	32688.76	42 36N	27 31E	92.4	188.8	2.037	-38.50	66.1	SO312	.01660	7.9403	0.6	V
5035	32692.16	42 36N	27 31E	93.1	188.8	2.037	-38.15	66.1	SO312	.01660	7.8330	0.6	A
9001	32314.56	67 42N	41 1E	76.3	197.4	1.484	8.40	44.9	SO312	.04070	9.6232	0.4	V
9002	32317.36	67 43N	40 60E	77.2	197.2	1.484	8.40	44.9	SO312	.04070	9.4086	0.4	A
9003	32356.16	64 42N	39 14E	81.3	195.5	1.690	19.60	47.9	SO312	.04070	8.9464	1.2	F
9004	32361.96	64 42N	39 14E	81.5	195.3	1.484	20.30	47.9	SO312	.04070	8.9052	1.2	A
9005	32451.76	58 31N	33 31E	80.3	192.5	1.690	-22.75	53.4	SO312	.03070	9.0207	0.6	F
9006	32454.56	58 31N	33 31E	79.2	192.5	1.690	-22.40	53.4	SO312	.03070	9.2765	0.6	V
9007	32570.76	50 38N	30 12E	83.0	190.2	2.037	-29.40	60.1	SO312	.03070	8.8474	0.8	V
9008	32573.76	50 38N	30 13E	83.7	190.2	2.037	-29.05	60.1	SO312	.03070	8.6988	0.8	A
9009	32623.56	46 36N	30 57E	85.5	189.5	2.390	26.60	64.0	SO312	.03070	8.5255	0.4	F
9010	32626.56	46 36N	30 56E	84.7	189.5	2.181	26.95	64.0	SO312	.03070	8.6658	0.4	V
9011	32744.96	38 29N	27 9E	79.8	188.3	2.530	-22.05	69.1	SO312	.03070	9.0620	0.6	F
9012	32843.56	31 43N	25 11E	91.6	187.7	2.530	-35.70	71.9	SO312	.02200	7.8653	4.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
856 9013	32856.76	31 12N	25 27E	82.1	187.6	2.881	-23.80	72.4	SO312	.03070	8.8474	2.4	A
9014	32868.16	30 30N	24 46E	95.9	187.5	2.738	-39.20	72.2	SO312	.02200	7.5764	5.4	A
9015	32979.96	22 7N	25 10E	95.2	187.0	2.530	31.50	74.2	SO312	.02200	7.6590	2.4	F
9016	32988.96	21 58N	25 13E	99.6	187.0	2.181	35.00	74.3	SO312	.02200	7.2215	4.0	A
9017	33637.76	22 26S	15 3E	121.2	187.0	3.232	-32.55	38.9	SO312	.03070	5.9423	0.4	V
9018	33642.36	22 26S	15 3E	122.8	187.1	3.439	-32.55	38.9	SO312	.03070	5.8185	0.4	A
857 5001	37818.76	54 8N	11 41E	86.4	191.2	2.037	28.00	57.6	SO312	.03080	8.4355	0.4	F
5002	37821.76	54 9N	11 40E	85.6	191.2	1.826	28.35	57.6	SO312	.03080	8.5758	0.4	V
5003	37826.96	54 1N	11 25E	83.5	191.1	1.826	24.50	57.7	SO312	.03080	8.6831	0.6	A
9001	37831.76	53 29N	11 15E	83.1	191.0	2.037	25.20	58.2	SO312	.03070	8.8474	1.0	V
9002	37834.36	53 18N	11 11E	83.1	190.9	2.037	25.20	58.3	SO312	.03070	8.8474	0.6	V
9003	37837.56	53 18D	11 11E	84.5	190.9	1.826	25.90	58.3	SO312	.03070	8.5915	0.6	A
9004	37842.16	52 33N	11 2E	86.7	190.8	2.037	28.35	59.0	SO312	.03070	8.4100	0.6	F
9005	37845.16	52 33N	11 2E	86.0	190.7	2.037	28.70	59.0	SO312	.03070	8.5503	0.6	V
9006	37856.16	51 49N	10 37E	83.2	190.6	2.037	26.25	59.6	SO312	.03070	8.8391	0.6	V
9007	37860.36	51 22N	10 17E	81.7	190.5	2.037	22.05	60.0	SO312	.03070	8.9134	0.4	F
9008	37864.96	51 13N	10 24E	83.7	190.4	2.037	26.25	60.1	SO312	.03070	8.7814	0.8	V
9009	37868.16	51 13N	10 24E	85.0	190.4	2.037	26.60	60.1	SO312	.03070	8.5173	0.6	A
9010	37873.56	50 37N	10 25E	88.6	190.3	2.037	31.50	60.7	SO312	.03070	8.3027	0.6	V
9011	37876.76	50 37N	10 26E	90.2	190.2	1.826	32.20	60.7	SO312	.03070	8.0386	0.8	A
9012	37896.16	48 59N	9 3E	76.7	190.0	2.390	11.55	61.9	SO312	.03070	9.4829	0.8	F
9013	37898.96	48 58N	9 3E	76.0	189.9	2.390	11.90	61.9	SO312	.03070	9.6727	0.6	V
9014	37903.56	48 50N	9 15E	80.1	189.9	2.181	19.25	62.1	SO312	.03070	9.0537	0.8	A
9015	37971.16	44 0N	5 35E	98.3	189.1	1.826	-42.35	65.0	SO312	.01650	7.3288	1.0	F
9016	37974.56	44 1N	5 35E	96.7	189.0	1.826	-42.00	65.0	SO312	.01650	7.5764	1.0	V
9017	37987.16	43 5N	5 57E	82.6	188.9	2.390	-28.70	65.9	SO312	.01650	8.8887	0.6	V
9018	37990.16	43 5N	5 57E	83.4	188.9	2.390	-28.35	65.9	SO312	.01650	8.7318	0.6	A
9019	38080.16	36 29N	4 32E	80.6	188.1	2.530	-23.80	70.2	SO312	.03070	8.9712	0.6	F
9020	38082.96	36 30N	4 31E	79.6	188.1	2.738	-23.80	70.2	SO312	.03070	9.2270	0.8	V
9021	38088.36	36 5N	4 46E	75.1	188.0	2.881	-12.25	70.6	SO312	.03070	9.7800	0.6	V
9022	38091.16	36 5N	4 46E	75.9	188.0	2.881	-11.90	70.6	SO312	.03070	9.5571	0.6	A
9023	38526.96	5 35N	0 11W	97.4	186.5	2.881	24.15	64.7	SO312	.02200	7.4526	0.6	F
9024	38530.36	5 35N	0 11W	96.8	186.5	2.881	24.50	64.7	SO312	.02200	7.5434	0.6	V
9025	38533.96	5 35N	0 11W	98.4	186.5	2.881	24.85	64.7	SO312	.02200	7.2793	0.8	A
859 9001	49237.15	1 6S	47 38W	122.0	186.5	2.881	-44.45	57.8	SO312	.02200	5.8598	0.6	F
9002	49456.75	15 45S	47 52W	118.7	186.8	2.390	28.70	46.1	SO312	.03070	5.9671	0.8	A
9003	49503.55	19 11S	48 55W	107.9	186.9	2.881	16.10	42.7	SO312	.03070	6.6934	1.0	V
9004	49511.75	20 5S	48 41W	118.5	186.9	2.738	25.90	42.1	SO312	.03070	6.0496	1.4	F
9005	49517.35	20 31S	48 28W	127.9	186.9	2.530	32.55	41.8	SO312	.02200	5.6205	1.0	F
9006	49522.35	20 32S	48 35W	124.1	186.9	2.181	31.15	41.7	SO312	.03070	5.8185	1.4	V
9007	49530.95	20 45S	49 24W	108.1	187.0	3.092	10.85	41.2	SO312	.03070	6.5613	1.4	A
9008	49535.95	21 37S	49 42W	106.2	187.0	3.092	5.60	40.3	SO312	.03070	6.7429	1.4	F
9009	49544.35	21 42S	48 50W	126.2	187.0	2.181	30.45	40.6	SO312	.03070	5.6122	1.4	A
9010	49609.75	25 56S	51 38W	116.3	187.3	3.439	-23.80	35.8	SO312	.03070	6.1156	1.4	A
9011	49618.35	27 3S	52 39W	138.8	187.3	2.881	-40.25	34.4	SO312	.03070	5.1170	1.8	F
9012	49626.55	27 38S	52 16W	124.1	187.3	3.092	-30.45	34.1	SO312	.03070	5.7195	0.8	F
9013	49637.55	28 10S	51 30W	109.4	187.4	3.232	-8.05	33.9	SO312	.03070	6.5778	0.8	V
9014	49645.15	28 28S	50 55W	114.0	187.4	2.881	10.15	33.9	SO312	.03070	6.2064	1.0	A
9015	49658.75	29 4S	53 12W	142.8	187.5	3.232	-40.95	32.5	SO312	.03070	4.9932	1.4	A
9016	49693.95	31 41S	52 18W	114.8	187.7	3.232	-8.75	30.6	SO312	.03070	6.1652	1.0	A
860 9001	54370.35	10 39N	66 59W	92.1	186.6	3.232	-27.65	67.3	SO312	.02200	7.8075	1.2	F
9002	54375.15	10 31N	66 51W	87.1	186.6	3.439	-22.05	67.3	SO312	.03070	8.3852	1.0	V
9003	54378.55	10 31N	66 51W	88.1	186.6	3.439	-21.70	67.3	SO312	.03070	8.2037	0.4	A
9004	54436.75	6 16N	67 26W	87.1	186.5	3.439	-15.75	64.4	SO312	.03070	8.3770	1.4	V
9005	54440.75	6 13N	67 29W	88.7	186.5	3.439	-16.80	64.4	SO312	.03070	8.1294	1.2	A
9006	54531.55	0 6S	66 59W	118.3	186.5	2.037	37.80	60.3	SO312	.02200	6.0166	1.4	A
9007	54711.35	12 15S	70 51W	102.0	186.7	3.587	-18.90	48.6	SO312	.03070	7.0152	1.4	A
9008	54782.75	17 44S	70 49W	106.2	186.8	3.092	13.65	44.0	SO312	.03070	6.7594	0.8	F
9009	54789.75	18 19S	70 20W	121.4	186.8	2.530	29.40	43.8	SO312	.02200	5.9093	1.2	F
9010	54797.35	18 13S	70 33W	116.4	186.9	2.530	24.85	43.8	SO312	.03070	6.0744	0.6	A
9011	54826.55	20 13S	70 4W	146.6	186.9	1.484	42.35	42.3	SO312	.01650	4.8199	1.4	A
861 5001	59211.95	42 28N	83 5W	94.7	188.8	2.181	-39.90	66.2	SO409	.04000	7.6019	3.0	F
9001	59211.75	42 29N	83 4W	94.8	188.8	2.181	-39.90	66.2	SO312	.02200	7.6012	3.0	F
9002	59621.35	14 8N	87 11W	89.2	186.7	3.092	20.65	70.5	SO312	.02200	8.1376	0.8	F
9003	59624.75	14 7N	87 11W	88.7	186.7	2.881	21.35	70.5	SO312	.03070	8.2449	0.4	V
9004	59627.95	14 8N	87 11W	90.7	186.7	2.881	21.70	70.5	SO312	.02200	7.9231	0.6	A
863 9001	70756.95	21 46S	138 53W	107.2	187.0	3.439	-17.15	39.8	SO312	.03070	6.7346	0.8	V
9002	70760.95	21 45S	138 54W	108.7	187.0	3.439	-16.80	39.8	SO312	.03070	6.5613	0.8	A
865 9001	81688.75	43 33S	172 43E	126.0	188.9	2.530	3.15	19.3	SO312	.05390	5.6287	0.8	F
866 9001	85414.15	64 45N	177 46E	77.2	195.4	1.484	11.90	47.8	SO312	.03070	9.5159	0.6	V
9002	85416.95	64 45N	177 46E	78.2	195.3	1.484	12.25	47.8	SO312	.03070	9.2848	0.6	A
867 9001	4400.75	59 38N	151 3E	78.8	193.0	1.690	-19.25	52.4	SO312	.03070	9.1858	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
867 9002	4404.95	59 34N	150 47E	80.0	192.8	1.690	-23.45	52.5	SO312	.04070	9.1775	0.6	V
9003	4407.95	59 34N	150 47E	80.8	192.8	1.690	-23.10	52.5	SO312	.04070	9.0042	0.6	A
9004	4629.95	44 0N	145 40E	75.9	189.1	2.530	-13.30	65.5	SO312	.04070	9.5489	0.4	F
9005	4632.55	44 1N	145 40E	75.0	189.0	2.530	-12.95	65.5	SO312	.04070	9.7965	0.4	V
9006	4633.95	43 55N	145 39E	75.0	189.0	2.530	-12.95	65.6	SO312	.04070	9.7965	0.4	V
9007	4636.55	43 56N	145 39E	75.8	189.0	2.530	-12.60	65.6	SO312	.04070	9.5902	0.4	A
868 5001	9973.95	41 49N	123 30E	74.7	188.7	2.738	5.25	67.4	SO409	.07180	9.8387	0.6	V
5002	9976.75	41 49N	123 30E	75.7	188.7	2.738	5.60	67.4	SO409	.05370	9.5993	0.6	A
5003	10033.55	37 38N	121 25E	84.5	188.2	2.530	-29.40	69.5	SO409	.05370	8.5593	0.6	F
5004	10036.55	37 38N	121 25E	83.3	188.2	2.530	-29.05	69.5	SO409	.05370	8.7987	0.6	V
9001	9943.15	43 48N	125 9E	93.8	189.0	2.037	35.70	66.4	SO312	.02200	7.8323	0.4	V
9002	9949.55	43 14N	124 26E	81.9	189.0	2.390	21.70	66.6	SO312	.02200	8.8887	0.8	F
9003	9954.15	43 6N	124 30E	83.1	188.9	2.390	24.85	66.7	SO312	.03070	8.8474	1.2	V
9004	9963.55	42 46N	123 21E	75.0	188.8	2.738	-8.05	66.5	SO312	.03070	9.6809	0.4	A
9005	9971.15	41 50N	123 30E	75.5	188.8	2.738	4.90	67.4	SO312	.03070	9.6314	0.6	F
9006	9973.95	41 49N	123 30E	74.7	188.7	2.738	5.25	67.4	SO312	.03070	9.8377	0.6	V
9007	9978.35	41 42N	123 28E	75.7	188.7	2.738	5.60	67.4	SO312	.03070	9.5819	0.4	A
9008	9983.75	41 18N	123 48E	81.0	188.6	2.530	19.60	67.9	SO312	.03070	8.9547	0.6	A
9009	9990.35	40 18N	124 20E	100.2	188.6	2.181	38.85	69.0	SO312	.01650	7.2958	7.4	F
9010	10001.15	40 4N	124 15E	100.9	188.5	1.826	39.55	69.1	SO312	.01650	7.1720	3.6	A
9011	10013.55	39 4N	123 10E	79.4	188.4	2.530	18.20	69.4	SO312	.03070	9.2683	0.4	V
9012	10016.55	39 3N	123 10E	80.5	188.4	2.530	18.55	69.4	SO312	.03070	9.0042	0.4	A
9013	10033.55	37 38N	121 25E	84.5	188.2	2.530	-29.40	69.5	SO312	.03070	8.5585	0.6	F
9014	10036.55	37 38N	121 25E	83.3	188.2	2.530	-29.05	69.5	SO312	.03070	8.7979	0.4	V
9015	10039.55	37 26N	121 22E	83.2	188.2	2.530	-28.70	69.6	SO312	.02200	8.8226	0.8	V
9016	10042.55	37 26N	121 22E	84.0	188.2	2.738	-28.70	69.6	SO312	.02200	8.6658	0.8	A
9017	10049.95	36 43N	121 15E	82.5	188.1	2.530	-27.65	70.0	SO312	.03070	8.8887	0.4	V
9018	10123.35	31 57N	119 47E	95.0	187.6	2.738	-38.85	71.8	SO312	.02200	7.6590	0.6	A
9019	10200.95	26 5N	119 24E	78.6	187.3	3.092	-14.00	73.5	SO312	.03070	9.2105	0.6	F
9020	10206.55	26 5N	119 25E	78.5	187.2	3.232	-12.95	73.5	SO312	.03070	9.2353	0.6	A
9021	10210.15	25 51N	119 18E	79.6	187.2	3.232	-15.05	73.4	SO312	.03070	9.1115	1.0	A
9022	10218.55	25 21N	118 43E	89.3	187.2	3.092	-31.85	73.0	SO312	.02200	8.1376	0.6	A
9023	10222.95	25 2N	118 44E	87.4	187.2	3.092	-29.40	73.0	SO312	.03070	8.3109	0.6	A
869 5001	15300.35	40 47N	100 1E	83.2	188.6	2.390	-30.10	67.5	SO409	.05370	8.8152	1.2	V
5002	15303.75	40 46N	100 0E	84.0	188.5	2.390	-29.75	67.6	SO409	.05370	8.6666	1.2	A
5003	15321.15	38 59N	101 8E	81.2	188.4	2.530	21.35	69.5	SO409	.05370	8.9555	0.8	F
5004	15324.15	38 59N	101 8E	80.5	188.4	2.530	21.70	69.5	SO409	.05370	9.1123	0.8	V
5005	15326.95	38 47N	101 6E	80.9	188.4	2.530	22.05	69.6	SO409	.05370	9.0711	0.6	V
5006	15329.75	38 48N	101 6E	82.2	188.3	2.530	22.40	69.6	SO409	.05370	8.7987	1.2	A
5007	15337.75	38 7N	100 19E	73.0	188.3	2.738	1.75	69.7	SO409	.07180	10.0616	0.8	V
5008	15340.75	38 6N	100 19E	74.0	188.2	2.738	2.10	69.7	SO409	.07180	9.8139	1.2	A
5009	15502.55	26 37N	97 35E	77.3	187.3	3.232	-6.30	73.6	SO409	.05370	9.3682	2.2	F
5010	15508.55	26 36N	97 35E	77.6	187.3	3.232	-5.60	73.6	SO409	.05370	9.3517	2.2	A
9001	14925.95	65 59N	112 23E	77.6	196.2	1.484	12.95	46.7	SO312	.04070	9.4746	1.2	V
9002	14929.35	65 57N	112 22E	78.6	196.0	1.484	13.30	46.7	SO312	.04070	9.2353	1.0	A
9003	15109.35	53 49N	104 8E	79.1	191.0	1.826	-23.80	57.5	SO312	.03070	9.2683	1.0	V
9004	15112.55	53 48N	104 7E	79.9	191.0	2.037	-23.80	57.5	SO312	.03070	9.1032	1.0	A
9005	15122.75	52 38N	104 33E	74.6	190.8	2.181	-1.75	58.7	SO312	.03070	9.7222	0.8	F
9006	15125.75	52 37N	104 33E	73.8	190.7	2.181	-1.40	58.8	SO312	.03070	9.9615	1.4	V
9007	15130.95	52 17N	104 14E	73.7	190.6	2.181	-6.65	59.0	SO312	.03070	9.9615	0.6	V
9008	15133.75	52 17N	104 14E	74.6	190.6	2.181	-6.30	59.0	SO312	.03070	9.7387	0.4	A
9009	15266.15	43 3N	101 21E	73.3	188.9	2.530	-7.00	66.3	SO312	.03070	10.0193	1.2	V
9010	15269.55	43 0N	101 20E	74.2	188.9	2.738	-7.00	66.4	SO312	.03070	9.7882	0.8	A
9011	15288.95	41 21N	100 20E	80.8	188.7	2.390	-25.20	67.3	SO312	.03070	8.9629	1.0	F
9012	15292.15	41 20N	100 20E	79.7	188.6	2.390	-24.85	67.3	SO312	.03070	9.2188	1.0	V
9013	15295.35	41 19N	100 19E	80.6	188.6	2.390	-24.85	67.3	SO312	.03070	9.0207	1.0	A
9014	15300.55	40 46N	100 0E	83.2	188.6	2.390	-30.10	67.6	SO312	.03070	8.8144	1.0	V
9015	15303.75	40 46N	100 0E	84.0	188.5	2.390	-29.75	67.6	SO312	.03070	8.6658	1.2	A
9016	15321.15	38 59N	101 8E	81.2	188.4	2.530	21.35	69.5	SO312	.03070	8.9547	0.8	F
9017	15324.15	38 59N	101 8E	80.5	188.4	2.530	21.70	69.5	SO312	.03070	9.1115	0.8	V
9018	15326.95	38 47N	101 6E	80.9	188.4	2.530	22.05	69.6	SO312	.03070	9.0702	0.6	V
9019	15329.75	38 48N	101 6E	82.1	188.3	2.530	22.40	69.6	SO312	.03070	8.7979	1.6	A
9020	15351.95	37 2N	100 53E	85.8	188.2	2.390	29.05	70.8	SO312	.02200	8.5668	1.8	V
9021	15355.95	36 59N	100 51E	86.6	188.1	2.181	29.05	70.9	SO312	.02200	8.3274	1.6	A
9022	15496.55	27 27N	97 25E	80.1	187.3	3.092	-18.20	73.3	SO312	.03070	9.0537	0.8	A
9023	15502.55	26 37N	97 35E	77.4	187.3	3.232	-6.30	73.6	SO312	.03070	9.3673	2.4	F
9024	15518.95	25 28N	97 33E	78.0	187.2	3.232	1.40	73.8	SO312	.03070	9.3013	1.6	F
9025	15525.35	25 25N	97 25E	78.0	187.2	3.232	-2.80	73.7	SO312	.03070	9.2684	1.8	A
9026	15538.55	24 19N	97 16E	77.5	187.1	3.232	-0.35	73.7	SO312	.03070	9.4581	1.8	V
9027	15546.95	23 53N	97 40E	84.5	187.1	2.738	19.25	74.1	SO312	.03070	8.5338	1.6	A
9028	15553.75	23 3N	97 11E	78.9	187.1	3.092	5.60	73.7	SO312	.03070	9.1940	1.4	F
9029	15559.15	22 39N	97 19E	81.9	187.1	3.092	13.65	73.8	SO312	.03070	8.8721	1.8	F
870 5001	20396.35	55 17N	83 1E	75.2	191.4	2.037	-12.95	56.4	SO409	.09610	9.7727	1.2	V
5002	20399.75	55 15N	83 0E	76.0	191.4	2.037	-12.60	56.4	SO409	.09610	9.5663	0.4	A
5003	20403.95	54 48N	82 33E	77.5	191.3	2.037	-19.60	56.7	SO409	.05370	9.4838	0.4	V
5004	20406.55	54 49N	82 34E	78.3	191.2	2.037	-19.25	56.7	SO409	.05370	9.2939	1.2	A
5005	20420.15	53 21N	83 23E	78.5	191.0	2.181	16.10	58.3	SO409	.05370	9.2692	0.8	F
5006	20423.15	53 20N	83 23E	77.8	190.9	2.181	16.45	58.3	SO409	.05370	9.4508	0.8	V
9001	20364.35	57 3N	85 34E	86.6	192.1	2.037	27.65	55.1	SO312	.03070	8.4182	1.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
870 9002	20370.15	56 43N	84 56E	79.9	192.0	2.037	18.20	55.3	SO312	.03070	9.1115	0.6	F
9003	20372.95	56 43N	84 56E	79.1	191.9	2.037	18.55	55.3	SO312	.03070	9.2848	2.0	V
9004	20377.15	56 38N	84 53E	80.1	191.8	1.826	18.90	55.4	SO312	.03070	9.0537	1.2	A
9005	20383.95	55 48N	84 27E	79.2	191.7	2.037	17.15	56.1	SO312	.03070	9.1858	1.0	F
9006	20392.75	55 21N	83 2E	76.2	191.5	2.037	-13.30	56.3	SO312	.03070	9.5159	1.4	F
9007	20396.35	55 17N	83 1E	75.2	191.4	2.037	-12.95	56.4	SO312	.04070	9.7717	1.2	V
9008	20399.75	55 14N	83 0E	76.0	191.4	2.037	-12.60	56.4	SO312	.04070	9.5654	0.4	A
9009	20403.95	54 48N	82 33E	77.5	191.3	2.037	-19.60	56.7	SO312	.03070	9.4629	0.4	V
9010	20406.55	54 49N	82 34E	78.2	191.2	2.037	-19.25	56.7	SO312	.03070	9.2931	1.0	A
9011	20420.15	53 21N	83 23E	78.6	191.0	2.181	16.10	58.3	SO312	.03070	9.2683	0.8	F
9012	20423.15	53 20N	83 23E	77.8	190.9	2.181	16.45	58.3	SO312	.03070	9.4499	0.8	V
9013	20428.15	52 45N	83 31E	83.9	190.8	2.181	24.85	58.9	SO312	.03070	8.6906	1.0	F
9014	20429.55	52 39N	83 29E	83.9	190.8	2.181	24.85	59.0	SO312	.03070	8.6906	0.8	F
9015	20432.55	52 39N	83 29E	83.2	190.8	2.181	25.20	59.0	SO312	.03070	8.8474	0.8	V
9016	20438.15	52 20N	82 51E	76.3	190.7	2.181	12.95	59.1	SO312	.03070	9.6397	0.8	V
9017	20441.15	52 19N	82 51E	77.3	190.6	2.181	13.30	59.1	SO312	.03070	9.3838	1.0	A
9018	20452.15	51 32N	81 13E	79.1	190.4	2.037	-23.45	59.5	SO312	.02200	9.2765	0.8	V
9019	20455.15	51 31N	81 13E	79.9	190.4	2.037	-23.10	59.5	SO312	.02200	9.1032	1.2	A
9020	20462.75	50 38N	80 29E	87.8	190.3	1.826	-33.60	60.1	SO312	.02200	8.2532	1.8	F
9021	20469.75	50 23N	80 15E	89.7	190.2	1.826	-36.40	60.3	SO312	.02200	8.1624	1.0	V
9022	20473.15	50 23N	80 14E	90.6	190.1	2.037	-36.40	60.3	SO312	.02200	8.0386	0.8	A
9023	20482.35	49 13N	81 8E	74.4	190.0	2.390	-4.90	61.6	SO312	.03070	9.7552	0.4	F
9024	20484.95	49 13N	81 8E	73.5	190.0	2.390	-4.55	61.6	SO312	.03070	9.9946	0.4	V
9025	20489.55	48 56N	80 46E	74.6	189.9	2.390	-12.95	61.7	SO312	.03070	9.8460	0.4	V
9026	20492.15	48 56N	80 46E	75.4	189.9	2.390	-12.60	61.7	SO312	.03070	9.6397	1.0	A
9027	20504.55	47 54N	80 26E	74.6	189.7	2.390	-12.95	62.6	SO312	.03070	9.8460	1.0	V
9028	20507.75	47 52N	80 26E	75.4	189.7	2.390	-12.60	62.6	SO312	.03070	9.6314	1.0	A
9029	20524.75	46 13N	80 58E	79.8	189.4	2.390	18.55	64.2	SO312	.03070	9.1197	1.4	F
9030	20530.35	46 14N	80 58E	80.1	189.4	2.181	19.25	64.2	SO312	.03070	9.0290	1.4	A
9031	20552.95	44 51N	78 60E	82.0	189.1	2.390	-28.70	64.7	SO312	.02200	8.8639	1.2	A
9032	20732.55	32 21N	75 45E	90.7	187.7	2.530	-36.05	71.7	SO312	.02200	8.0716	1.4	V
9033	20736.15	32 20N	75 44E	91.6	187.7	2.738	-36.05	71.8	SO312	.02200	7.9396	1.4	A
9034	20743.55	31 22N	75 39E	89.2	187.6	2.530	-33.25	72.1	SO312	.02200	8.0799	1.4	F
9035	20747.15	31 20N	75 38E	88.0	187.6	2.738	-33.25	72.2	SO312	.02200	8.3274	1.2	V
9036	20751.55	30 48N	75 38E	86.6	187.6	2.738	-30.45	72.4	SO312	.02200	8.3357	1.4	F
9037	20759.15	30 26N	76 9E	76.3	187.5	3.092	-9.80	73.0	SO312	.02200	9.6067	1.0	V
9038	20762.35	30 24N	76 9E	77.3	187.5	3.092	-9.45	73.0	SO312	.02200	9.3838	1.0	A
9039	20921.95	19 8N	74 47E	88.3	186.9	2.738	23.45	73.0	SO312	.03070	8.2944	1.4	V
9040	20925.55	19 7N	74 46E	89.7	186.9	2.738	23.80	73.0	SO312	.02200	8.0138	1.8	A
871 5001	25704.35	55 11N	60 10E	84.2	191.4	1.690	-29.05	56.3	SO409	.05370	8.5923	1.4	F
5002	25707.95	55 9N	60 9E	83.0	191.4	1.690	-28.70	56.3	SO409	.07180	8.8565	1.6	V
5003	25711.75	55 6N	60 7E	83.9	191.3	1.690	-28.70	56.4	SO409	.05370	8.6749	1.4	A
5004	25742.75	52 41N	60 9E	73.8	190.7	2.181	-6.30	58.7	SO409	.07180	9.9625	0.6	V
5005	25745.55	52 41N	60 9E	74.6	190.7	2.181	-5.95	58.7	SO409	.07180	9.7479	1.4	A
5006	25758.95	51 19N	60 20E	76.8	190.5	2.390	11.90	60.0	SO409	.07180	9.4673	1.0	F
5007	25762.15	51 17N	60 19E	76.0	190.4	2.181	12.25	60.0	SO409	.07180	9.6736	0.6	V
5008	25764.75	51 7N	60 14E	75.9	190.4	2.181	11.90	60.2	SO409	.07180	9.6901	1.0	V
5009	25767.95	51 5N	60 14E	76.9	190.3	2.181	12.25	60.2	SO409	.07180	9.4343	1.4	A
5010	25802.35	48 42N	57 59E	82.3	189.8	2.037	-28.35	61.7	SO409	.05370	8.9225	0.8	V
5011	25805.35	48 43N	57 59E	83.3	189.8	2.037	-28.35	61.7	SO409	.05370	8.7409	1.6	A
9001	25616.75	61 18N	63 10E	80.3	193.5	1.484	-23.45	50.9	SO312	.03070	9.1362	0.8	V
9002	25619.75	61 18N	63 10E	81.1	193.5	1.690	-23.45	50.9	SO312	.03070	8.9629	0.8	A
9003	25632.75	60 11N	64 49E	83.2	193.1	1.690	23.45	52.2	SO312	.03070	8.7153	1.6	A
9004	25674.75	57 13N	60 40E	89.4	192.1	1.484	-34.30	54.5	SO312	.02200	8.0799	1.2	F
9005	25679.15	56 55N	60 38E	87.9	192.0	1.484	-32.90	54.8	SO312	.03070	8.2202	1.0	F
9006	25682.35	56 54N	60 38E	86.7	191.9	1.690	-32.90	54.8	SO312	.03070	8.4760	1.0	V
9007	25683.75	56 49N	60 35E	86.7	191.9	1.690	-32.90	54.9	SO312	.03070	8.4760	1.0	V
9008	25686.95	56 49N	60 36E	87.3	191.8	1.690	-32.55	54.9	SO312	.03070	8.3357	1.0	A
9009	25693.35	56 7N	60 45E	79.9	191.7	1.826	-24.15	55.5	SO312	.03070	9.1858	1.2	V
9010	25696.75	56 5N	60 44E	80.9	191.6	1.826	-24.15	55.6	SO312	.03070	8.9959	1.2	A
9011	25704.75	55 10N	60 9E	84.2	191.4	1.690	-29.05	56.3	SO312	.03070	8.5915	1.0	F
9012	25707.95	55 9N	60 9E	83.0	191.4	1.690	-28.70	56.4	SO312	.03070	8.8556	1.6	V
9013	25711.75	55 6N	60 7E	83.9	191.3	1.690	-28.70	56.4	SO312	.03070	8.6741	0.8	A
9014	25731.35	53 13N	60 52E	75.5	190.9	2.181	7.00	58.3	SO312	.03070	9.6314	0.8	F
9015	25734.15	53 1N	60 48E	75.6	190.9	2.181	7.35	58.5	SO312	.03070	9.6232	0.6	F
9016	25736.95	53 1N	60 48E	74.8	190.8	2.181	7.70	58.5	SO312	.03070	9.8377	0.8	V
9017	25756.95	51 27N	60 23E	76.8	190.5	2.390	11.90	59.9	SO312	.03070	9.4664	1.6	F
9018	25758.95	51 19N	60 20E	76.9	190.5	2.390	11.90	60.0	SO312	.03070	9.4664	1.0	F
9019	25762.15	51 17N	60 19E	76.0	190.4	2.181	12.25	60.0	SO312	.03070	9.6727	0.6	V
9020	25764.75	51 6N	60 14E	75.9	190.4	2.181	11.90	60.2	SO312	.03070	9.6892	1.0	V
9021	25767.95	51 5N	60 14E	76.9	190.3	2.181	12.25	60.2	SO312	.03070	9.4334	1.0	A
9022	25773.55	50 44N	59 48E	74.8	190.2	2.390	3.85	60.4	SO312	.03070	9.6974	1.2	A
9023	25798.95	48 44N	58 0E	83.3	189.9	2.037	-28.35	61.7	SO312	.03070	8.6906	1.2	F
9024	25802.35	48 42N	57 59E	82.3	189.8	2.037	-28.35	61.8	SO312	.03070	8.9217	0.8	V
9025	25805.35	48 42N	57 58E	83.3	189.8	2.037	-28.35	61.7	SO312	.03070	8.7401	1.2	A
9026	25938.95	39 3N	56 22E	75.6	188.4	2.738	3.15	69.2	SO312	.02200	9.6149	1.8	F
9027	25944.55	39 2N	56 22E	75.8	188.4	2.738	3.85	69.2	SO312	.02200	9.5654	1.6	A
9028	26271.55	16 18N	52 10E	90.9	186.8	2.738	24.50	71.8	SO312	.02200	8.0468	1.4	V
9029	26275.15	16 17N	52 10E	92.4	186.8	2.738	24.85	71.8	SO312	.02200	7.7745	2.0	A
872 5001	30968.95	57 55N	41 17E	79.8	192.4	2.037	18.20	54.2	SO409	.07180	9.1041	1.2	F
5002	30972.35	57 53N	41 15E	79.0	192.3	1.826	18.55	54.3	SO409	.07180	9.3104	0.6	V
5003	31008.35	55 40N	38 5E	85.6	191.5	1.690	-31.85	55.9	SO409	.05370	8.5758	0.8	V
5004	31011.35	55 41N	38 6E	86.3	191.5	1.690	-31.50	55.9	SO409	.05370	8.4355	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
872 5005	31044.95	52 42N	39 28E	87.4	190.8	2.037	29.05	59.0	S0409	.05370	8.3365	1.4	F
5006	31048.55	52 40N	39 28E	86.7	190.8	2.037	29.40	59.0	S0409	.05370	8.4768	1.2	V
5007	31062.95	51 41N	39 9E	88.5	190.5	2.037	31.15	59.9	S0409	.05370	8.3117	1.2	V
5008	31066.55	51 39N	39 9E	90.1	190.5	1.826	31.85	59.9	S0409	.05370	8.0558	1.8	A
5009	31362.15	31 20N	32 19E	75.7	187.6	3.092	-2.10	72.9	S0409	.07180	9.6901	1.4	V
5010	31365.75	31 17N	32 18E	76.8	187.6	3.092	-1.75	72.9	S0409	.07160	9.4508	1.0	A
5011	31380.75	30 11N	30 55E	95.6	187.5	2.530	-39.55	72.3	S0409	.03080	7.6844	1.4	V
5012	31384.35	30 10N	30 56E	96.2	187.5	2.738	-39.20	72.3	S0409	.03080	7.5606	1.6	A
5013	32225.35	27 44S	21 31E	110.5	187.3	3.092	2.45	34.4	S0409	.05370	6.5041	1.4	V
5014	32229.55	27 44S	21 31E	112.3	187.4	3.092	2.80	34.4	S0409	.05370	6.3142	1.8	A
5015	32320.75	34 0S	18 48E	129.0	187.9	3.092	-29.05	27.9	S0409	.05370	5.5631	1.8	V
5016	32325.95	34 2S	18 47E	130.6	187.9	3.092	-28.70	27.9	S0409	.05370	5.4311	1.8	A
9001	30733.15	73 26N	54 53E	81.1	203.8	1.135	16.10	39.4	S0312	.04070	8.9382	1.6	F
9002	30738.95	73 26N	54 54E	81.2	203.3	1.135	16.45	39.4	S0312	.04070	8.9217	1.6	A
9003	30763.95	71 37N	52 31E	82.1	201.2	1.135	20.65	41.2	S0312	.04070	8.9547	1.6	V
9004	30767.75	71 34N	52 26E	83.0	200.9	1.135	20.65	41.2	S0312	.04070	8.7401	1.2	A
9005	30895.95	63 4N	41 35E	86.9	194.5	1.338	-30.80	49.2	S0312	.03070	8.3192	1.4	F
9006	30899.55	63 2N	41 34E	85.8	194.3	1.338	-30.80	49.3	S0312	.03070	8.5503	1.2	V
9007	30925.55	61 6N	42 12E	74.5	193.5	1.826	2.10	51.2	S0312	.04070	9.8625	1.4	V
9008	30962.35	58 20N	41 37E	81.3	192.5	2.037	20.65	53.9	S0312	.03070	8.9464	2.2	F
9009	30967.55	58 0N	41 19E	79.9	192.4	2.037	18.20	54.2	S0312	.03070	9.1032	2.6	F
9010	30972.35	57 52N	41 15E	79.0	192.3	1.826	18.55	54.3	S0312	.03070	9.3096	0.6	V
9011	30975.55	57 51N	41 11E	79.4	192.2	1.826	17.50	54.3	S0312	.03070	9.1445	1.4	A
9012	30977.35	57 44N	41 7E	79.4	192.2	1.826	17.50	54.4	S0312	.03070	9.1362	1.4	A
9013	30987.55	57 1N	39 16E	77.2	192.0	1.826	-16.55	54.8	S0312	.04070	9.5076	0.4	V
9014	30993.75	56 28N	38 6E	92.3	191.8	1.484	-37.10	55.1	S0312	.03070	7.9158	0.8	F
9015	30996.75	56 29N	38 6E	91.2	191.8	1.484	-37.10	55.1	S0312	.03070	8.0303	1.2	V
9016	31001.35	55 56N	38 7E	88.1	191.7	1.484	-33.25	55.6	S0312	.03070	8.1871	1.4	F
9017	31004.95	55 54N	38 6E	86.9	191.6	1.690	-33.25	55.6	S0312	.03070	8.4430	0.6	V
9018	31008.35	55 40N	38 5E	85.6	191.5	1.690	-31.85	55.9	S0312	.03070	8.5750	0.8	V
9019	31011.35	55 41N	38 5E	86.3	191.5	1.690	-31.50	55.9	S0312	.03070	8.4347	0.8	A
9020	31015.75	55 20N	38 14E	82.0	191.4	1.690	-25.90	56.2	S0312	.03070	8.8721	0.8	A
9021	31018.75	55 8N	38 11E	81.5	191.3	2.037	-25.55	56.4	S0312	.03070	8.9299	0.6	A
9022	31022.95	54 49N	38 18E	78.5	191.2	2.037	-19.95	56.7	S0312	.03070	9.2600	0.6	A
9023	31026.75	54 34N	38 5E	79.9	191.2	2.037	-23.10	56.9	S0312	.03070	9.0950	1.4	A
9024	31033.95	53 51N	38 11E	75.3	191.0	2.037	-14.00	57.6	S0312	.03070	9.7552	1.0	V
9025	31044.95	52 42N	39 28E	87.4	190.8	2.037	29.05	59.0	S0312	.03070	8.3357	1.4	F
9026	31048.55	52 39N	39 27E	86.7	190.8	2.037	29.40	59.0	S0312	.03070	8.4760	1.2	V
9027	31062.95	51 40N	39 9E	88.4	190.5	2.037	31.15	59.9	S0312	.03070	8.3109	1.2	V
9028	31066.75	51 38N	39 9E	90.0	190.5	1.826	31.85	59.9	S0312	.03070	8.0551	1.4	A
9029	31084.95	50 14N	36 17E	84.8	190.2	1.826	-30.10	60.5	S0312	.03070	8.5255	0.4	F
9030	31089.55	49 54N	36 33E	78.8	190.1	2.037	-21.00	60.9	S0312	.03070	9.1856	0.4	F
9031	31092.35	49 53N	36 33E	77.8	190.1	2.037	-20.65	60.9	S0312	.03070	9.4499	0.4	V
9032	31093.55	49 49N	36 31E	77.7	190.1	2.037	-20.65	60.9	S0312	.03070	9.4499	0.4	V
9033	31096.55	49 48N	36 31E	78.5	190.0	2.037	-20.30	61.0	S0312	.03070	9.2683	0.4	A
9034	31109.95	48 30N	36 1E	80.3	189.8	2.181	-23.80	62.0	S0312	.03070	9.0124	1.4	F
9035	31113.55	48 27N	35 60E	79.1	189.8	2.181	-23.45	62.0	S0312	.03070	9.2683	1.0	V
9036	31121.95	47 56N	35 20E	88.5	189.7	2.037	-35.35	62.3	S0312	.03070	8.2944	1.4	V
9037	31125.55	47 54N	35 20E	89.2	189.6	2.037	-35.00	62.3	S0312	.03070	8.1624	1.4	A
9038	31148.15	45 53N	35 17E	79.8	189.4	2.181	-22.75	64.0	S0312	.03070	9.0702	1.0	F
9039	31151.35	45 52N	35 16E	78.7	189.3	2.390	-22.75	64.1	S0312	.03070	9.3261	1.4	V
9040	31158.15	45 10N	35 31E	75.3	189.3	2.530	-9.80	64.7	S0312	.04070	9.6314	1.2	F
9041	31163.55	45 10N	35 31E	75.2	189.2	2.530	-9.10	64.8	S0312	.04070	9.6562	1.2	A
9042	31169.15	44 50N	35 5E	77.9	189.1	2.530	-19.25	64.9	S0312	.03070	9.3343	0.6	A
9043	31380.35	30 12N	30 56E	95.6	187.5	2.530	-39.55	72.3	S0312	.01650	7.6837	1.8	V
9044	31384.35	30 10N	30 56E	96.1	187.5	2.738	-39.20	72.3	S0312	.01650	7.5599	2.0	A
9045	32315.75	33 60S	18 50E	129.9	187.8	2.881	-28.70	27.9	S0312	.03070	5.4472	2.2	F
9046	32320.95	34 2S	18 48E	129.0	187.9	3.092	-29.05	27.9	S0312	.03070	5.5627	1.6	V
9047	32325.95	34 2S	18 47E	130.6	187.9	3.092	-28.70	27.9	S0312	.03070	5.4306	1.8	A
873 5001	36326.15	54 39N	16 52E	74.6	191.3	2.181	-1.75	57.0	S0409	.09610	9.7397	1.2	F
5002	36329.55	54 36N	16 51E	73.8	191.2	2.181	-1.40	57.1	S0409	.09610	9.9625	0.6	V
5003	36335.75	54 3N	15 59E	77.8	191.1	2.037	-18.55	57.4	S0409	.07180	9.3187	1.0	F
5004	36338.95	54 2N	15 59E	76.8	191.1	2.037	-18.20	57.4	S0409	.07180	9.5581	0.8	V
5005	36346.95	53 21N	14 59E	89.2	190.9	1.690	-34.65	57.8	S0409	.05370	8.1054	1.2	F
5006	36350.35	53 19N	14 59E	87.9	190.9	1.690	-34.30	57.9	S0409	.05370	8.3530	1.0	V
5007	36356.95	52 37N	15 30E	77.4	190.8	2.037	-17.50	58.6	S0409	.07180	9.3765	0.6	F
5008	36359.75	52 36N	15 30E	76.4	190.7	2.037	-17.15	58.7	S0409	.07180	9.6158	0.8	V
5009	36370.75	51 37N	15 39E	74.5	190.5	2.181	-3.85	59.6	S0409	.07180	9.7479	1.2	F
5010	36374.15	51 34N	15 38E	73.6	190.5	2.181	-3.50	59.7	S0409	.07180	9.9790	1.4	V
5011	36402.95	49 42N	14 5E	82.0	190.0	2.037	-28.35	61.0	S0409	.05370	8.9473	0.6	V
5012	36405.75	49 43N	14 5E	82.8	190.0	2.037	-28.00	60.9	S0409	.05370	8.7904	0.8	A
5013	36412.35	48 59N	14 34E	74.2	189.9	2.390	-9.10	61.7	S0409	.07180	9.9047	0.6	V
5014	36415.15	48 59N	14 34E	75.1	189.9	2.390	-8.75	61.8	S0409	.07180	9.6984	1.2	A
9001	36346.55	53 22N	14 59E	89.3	190.9	1.690	-34.65	57.8	S0312	.03070	8.1046	1.6	F
9002	36350.35	53 19N	14 59E	87.9	190.9	1.690	-34.30	57.9	S0312	.03070	8.3522	1.0	V
9003	36365.15	52 23N	15 43E	75.0	190.6	2.181	-8.75	58.9	S0312	.03070	9.6809	1.0	A
9004	36371.15	51 35N	15 38E	74.5	190.5	2.181	-3.85	59.6	S0312	.03070	9.7470	0.8	F
9005	36374.15	51 34N	15 38E	73.6	190.5	2.181	-3.50	59.7	S0312	.03070	9.9780	0.8	V
9006	36378.75	51 26N	15 38E	74.5	190.4	2.181	-1.40	59.8	S0312	.03070	9.7470	0.8	A
9007	36385.35	50 41N	14 44E	78.3	190.3	2.037	-19.95	60.2	S0312	.03070	9.2600	2.0	F
9008	36390.75	50 41N	14 44E	78.0	190.2	2.037	-19.25	60.2	S0312	.03070	9.3343	2.0	A
9009	36395.55	50 10N	14 31E	77.8	190.1	2.037	-21.00	60.7	S0312	.03070	9.4416	0.6	V
9010	36398.35	50 11N	14 31E	78.6	190.1	2.037	-20.65	60.7	S0312	.03070	9.2600	0.6	A
9011	36402.95	49 42N	14 4E	82.1	190.0	2.037	-28.35	61.0	S0312	.03070	8.9464	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
873 9012	36405.75	49 43N	14 5E	82.8	190.0	2.037	-28.00	60.9	S0312	.03070	8.7896	0.8	A
9013	36447.35	46 20N	14 23E	76.4	189.5	2.530	10.50	64.1	S0312	.03070	9.5241	1.4	F
9014	36450.95	46 16N	14 22E	75.6	189.4	2.530	10.85	64.1	S0312	.03070	9.7222	0.8	V
9015	36454.75	46 1N	14 19E	75.9	189.4	2.530	11.55	64.3	S0312	.03070	9.6809	0.8	V
9016	36457.75	45 60N	14 19E	77.0	189.3	2.530	11.90	64.4	S0312	.03070	9.4251	0.6	A
9017	36462.95	45 24N	14 31E	81.4	189.3	2.181	22.75	64.9	S0312	.03070	9.0372	0.8	V
9018	36465.95	45 24N	14 31E	82.6	189.2	2.181	23.10	65.0	S0312	.03070	8.7731	1.2	A
9019	36586.35	36 53N	11 8E	77.1	188.1	2.738	-14.35	70.2	S0312	.04070	9.4086	1.0	F
9020	36589.55	36 51N	11 7E	76.1	188.1	2.738	-14.00	70.2	S0312	.04070	9.6479	1.0	V
9021	36713.15	28 8N	9 39E	77.4	187.4	3.092	2.45	73.7	S0312	.03070	9.3838	2.6	F
874 5001	41635.95	54 41N	5 53W	76.9	191.3	2.037	-18.55	56.9	S0409	.07180	9.5416	1.6	V
5002	41639.75	54 37N	5 56W	77.9	191.2	2.037	-18.55	56.9	S0409	.07180	9.3517	1.4	A
5003	41652.55	53 21N	6 14W	76.3	190.9	2.037	-14.70	58.0	S0409	.07180	9.5003	0.8	F
5004	41657.95	53 21N	6 13W	76.2	190.9	2.181	-14.00	58.0	S0409	.07180	9.5498	0.8	A
875 9001	47790.75	3 49S	40 45W	92.9	186.5	3.587	-10.85	56.2	S0312	.03070	7.7332	2.6	F
9002	47813.15	5 9S	40 42W	92.3	186.5	3.439	0.35	55.2	S0312	.03070	7.8653	1.8	V
9003	47822.75	5 52S	40 17W	100.1	186.5	2.881	19.25	54.8	S0312	.03070	7.2546	1.6	V
9004	47830.95	6 9S	40 40W	95.9	186.5	3.232	8.05	54.4	S0312	.03070	7.4444	1.4	A
9005	47957.15	14 47S	40 51W	141.3	186.7	1.690	42.35	47.2	S0312	.02200	5.0015	2.2	A
9006	48031.35	19 46S	43 8W	105.7	186.9	3.232	6.65	42.0	S0312	.03070	6.7181	2.2	A
9007	48040.15	20 41S	42 49W	112.7	187.0	2.738	20.30	41.3	S0312	.03070	6.3962	1.6	V
9008	48062.55	22 29S	43 14W	113.5	187.0	2.881	17.50	39.6	S0312	.02200	6.3220	1.4	F
9009	48066.55	22 28S	43 14W	112.7	187.0	2.881	17.85	39.6	S0312	.02200	6.3962	1.4	V
9010	48071.95	22 51S	43 10W	116.1	187.1	2.530	21.70	39.3	S0312	.04070	6.2147	1.4	V
9011	48076.35	22 51S	43 10W	118.2	187.1	2.530	22.05	39.3	S0312	.04070	5.9836	1.8	A
876 9001	52936.35	7 32N	60 10W	91.6	186.6	3.092	17.50	65.9	S0312	.02200	7.6240	1.4	A
9002	52948.75	6 46N	61 7W	87.8	186.5	3.587	-14.70	64.7	S0312	.03070	8.2119	0.6	A
9003	52958.55	5 45N	60 17W	95.1	186.5	2.881	23.10	64.7	S0312	.02200	7.6755	1.2	V
9004	52967.35	5 1N	61 10W	88.4	186.5	3.439	-5.60	63.6	S0312	.03070	8.3605	1.0	F
9005	52972.55	4 52N	61 7W	85.6	186.5	3.439	-1.75	63.5	S0312	.03070	8.5173	2.2	V
9006	52978.15	4 42N	61 6W	87.0	186.5	3.439	0.35	63.4	S0312	.03070	8.2532	2.2	A
9007	52996.15	3 9N	60 28W	105.1	186.5	2.530	31.15	62.8	S0312	.02200	6.9409	2.2	V
9008	53026.75	1 19N	60 27W	120.7	186.5	2.037	39.55	61.5	S0312	.02200	5.9011	2.6	A
9009	53058.55	0 56S	62 55W	100.2	186.5	3.439	-29.75	58.3	S0312	.02200	7.2628	1.0	V
9010	53240.55	13 14S	64 6W	100.4	186.7	3.232	5.25	48.0	S0312	.03070	7.0978	1.8	A
9011	53248.55	14 13S	64 52W	101.8	186.7	3.439	-15.40	46.8	S0312	.03070	7.0317	1.4	F
9012	53255.75	14 42S	64 57W	102.2	186.7	3.587	-15.40	46.3	S0312	.04070	6.9905	1.2	F
9013	53259.55	14 43S	64 57W	101.1	186.7	3.587	-14.70	46.3	S0312	.04070	7.1555	1.6	V
9014	53267.35	14 53S	65 37W	115.5	186.7	3.587	-32.55	45.9	S0312	.03070	6.2147	2.2	A
9015	53273.55	15 21S	65 29W	110.0	186.8	3.587	-26.60	45.6	S0312	.03070	6.4953	1.4	A
9016	53290.15	16 59S	63 38W	128.4	186.8	2.037	35.70	45.0	S0312	.02200	5.6205	2.2	V
9017	53297.95	17 10S	64 21W	110.6	186.8	2.738	19.25	44.6	S0312	.03070	6.4128	2.2	A
9018	53396.15	24 9S	65 14W	123.3	187.1	2.390	28.00	38.2	S0312	.03070	5.8350	2.2	V
9019	53491.55	30 16S	66 16W	135.1	187.5	1.826	30.80	32.4	S0312	.03070	5.2078	2.2	A
9020	53529.35	32 59S	68 29W	114.2	187.8	3.092	-9.10	29.2	S0312	.04070	6.2807	2.2	V
9021	53566.35	35 24S	69 34W	121.1	188.0	3.092	-20.65	26.7	S0312	.02200	5.9176	1.4	V
9022	53570.95	35 25S	69 33W	122.5	188.0	3.092	-19.95	26.7	S0312	.02200	5.7773	1.4	A
9023	53620.75	38 53S	69 15W	121.9	188.4	2.530	6.65	23.8	S0312	.04070	5.7690	1.8	A
9024	53647.35	41 7S	71 17W	131.6	188.6	2.738	-24.50	21.2	S0312	.04070	5.3729	1.4	F
9025	53651.95	41 5S	71 23W	131.8	188.6	2.738	-26.25	21.1	S0312	.04070	5.4306	1.2	V
9026	53656.95	41 5S	71 24W	133.5	188.7	3.092	-26.25	21.1	S0312	.04070	5.2986	1.2	A
9027	53669.15	41 58S	71 8W	126.7	188.8	2.881	-16.45	20.5	S0312	.04070	5.5627	1.8	A
9028	53712.75	45 31S	72 3W	128.4	189.2	2.530	-14.35	17.1	S0312	.04070	5.4967	2.0	F
9029	53774.55	49 21S	72 46W	127.6	190.0	2.390	-4.55	13.5	S0312	.05390	5.5792	2.2	V
877 5001	57780.55	38 54N	76 55W	77.8	188.4	2.738	-17.85	69.0	S0409	.05370	9.3187	1.2	F
5002	57786.15	38 53N	76 55W	77.7	188.3	2.738	-17.15	69.0	S0409	.05370	9.3600	1.2	A
9001	57780.55	38 53N	76 55W	77.8	188.4	2.738	-17.85	69.0	S0312	.02200	9.3178	1.2	F
9002	57786.15	38 53N	76 56W	77.7	188.3	2.738	-17.15	69.0	S0312	.02200	9.3591	1.2	A
9003	58012.15	22 56N	80 3W	79.0	187.1	3.232	-7.35	73.3	S0312	.02200	9.1610	8.2	F
9004	58022.55	22 24N	80 9W	78.3	187.0	3.232	-7.00	73.3	S0312	.03070	9.3591	0.4	V
9005	58029.15	22 11N	80 25W	81.0	187.0	3.232	-15.05	73.0	S0312	.02200	8.9382	2.0	A
878 9001	63333.75	21 56N	102 15W	77.3	187.0	3.232	-3.15	73.2	S0312	.03070	9.4746	0.6	V
9002	63336.75	21 55N	102 16W	78.4	187.0	3.232	-2.80	73.2	S0312	.03070	9.2270	0.4	A
879 5001	68259.55	47 46N	117 22W	81.0	189.7	2.181	22.75	63.1	S0409	.05370	9.0793	3.0	V
9001	68259.35	47 46N	117 22W	81.0	189.7	2.181	22.75	63.1	S0312	.02200	9.0785	3.0	V
9002	68394.55	38 41N	121 21W	79.5	188.3	2.530	-23.10	69.0	S0312	.02200	9.2188	3.0	V
884 5001	8477.94	42 14N	130 13E	79.5	188.8	2.390	17.15	67.3	S0409	.07180	9.1536	1.2	F
5002	8481.34	42 11N	130 12E	78.8	188.8	2.390	17.50	67.3	S0409	.07180	9.3187	1.4	V
5003	8528.94	38 53N	127 52E	85.8	188.4	2.390	-31.15	68.8	S0409	.04000	8.4355	0.6	F
5004	8567.14	36 27N	127 20E	84.1	188.1	2.530	-29.75	70.2	S0409	.04000	8.7079	1.0	V
5005	8570.34	36 27N	127 20E	85.1	188.1	2.738	-29.75	70.2	S0409	.04000	8.5593	1.6	A
9001	8382.54	49 4N	131 6E	76.4	189.9	2.181	-17.50	61.7	S0312	.03070	9.6067	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
884	9002	8396.34	48 9N	132 29E	88.1	189.7	2.037	29.75	62.9	S0312	.03070	8.2037	0.6	A
	9003	8440.74	45 8N	131 21E	84.8	189.2	2.181	26.25	65.3	S0312	.02200	8.5420	0.4	A
	9004	8445.14	44 27N	130 60E	81.5	189.2	2.390	21.35	65.7	S0312	.03070	8.9382	0.8	F
	9005	8452.74	44 3N	131 29E	95.0	189.1	2.037	36.40	66.3	S0312	.02200	7.7332	1.8	V
	9006	8469.14	42 45N	130 48E	88.0	188.9	2.390	29.05	67.1	S0312	.02200	8.2779	1.0	F
	9007	8472.34	42 45N	130 47E	86.8	188.9	2.181	29.05	67.1	S0312	.02200	8.4347	1.0	V
	9008	8478.14	42 12N	130 12E	79.5	188.8	2.390	17.15	67.3	S0312	.04070	9.1527	1.0	F
	9009	8481.34	42 11N	130 12E	78.8	188.8	2.390	17.50	67.3	S0312	.04070	9.3178	1.4	V
	9010	8486.14	42 4N	130 2E	78.0	188.7	2.390	13.65	67.4	S0312	.04070	9.2765	1.4	A
	9011	8496.14	41 18N	128 49E	77.1	188.6	2.530	-20.30	67.4	S0312	.03070	9.5241	1.0	V
	9012	8502.34	40 42N	128 10E	88.5	188.6	2.181	-34.65	67.6	S0312	.02200	8.1541	0.6	F
	9013	8505.74	40 41N	128 13E	85.5	188.6	2.390	-32.90	67.6	S0312	.03070	8.5833	1.0	V
	9014	8512.54	40 1N	127 32E	102.2	188.5	1.826	-44.10	67.8	S0312	.01650	7.0317	11.6	F
	9015	8533.34	38 33N	128 1E	80.9	188.3	2.390	-24.50	69.1	S0312	.02200	8.9299	4.0	F
	9016	8540.74	38 26N	128 4E	79.2	188.3	2.738	-21.35	69.2	S0312	.02200	9.1775	2.8	A
	9017	8563.74	36 29N	127 21E	85.3	188.1	2.530	-30.10	70.1	S0312	.02200	8.4512	1.2	F
	9018	8567.14	36 27N	127 20E	84.1	188.1	2.530	-29.75	70.2	S0312	.02200	8.7071	1.0	V
	9019	8998.14	6 58N	122 4E	87.4	186.6	3.587	-13.65	64.9	S0312	.03070	8.2449	1.4	A
	9020	9172.94	5 14S	119 52E	94.2	186.5	3.587	-16.10	54.8	S0312	.03070	7.7167	0.6	V
	9021	9176.54	5 14S	119 52E	95.4	186.5	3.587	-15.75	54.8	S0312	.03070	7.5187	0.6	A
885	5001	13728.34	46 26N	108 23E	74.9	189.5	2.390	-11.90	63.8	S0409	.07180	9.6901	1.2	F
	5002	13731.74	46 23N	108 22E	74.0	189.4	2.390	-11.55	63.8	S0409	.07180	9.9295	1.4	V
	5003	13846.94	38 30N	106 14E	75.0	188.3	2.738	-12.60	69.3	S0409	.07180	9.7974	0.6	V
	5004	13849.74	38 30N	106 14E	75.9	188.3	2.738	-12.25	69.3	S0409	.05370	9.5828	1.4	A
	5005	13957.74	30 43N	104 8E	82.7	187.6	2.738	-25.20	72.6	S0409	.05370	8.7409	0.8	F
	5006	13960.74	30 43N	104 7E	81.7	187.6	2.738	-24.85	72.6	S0409	.05370	8.9803	1.0	V
	9001	13662.14	51 10N	111 32E	89.5	190.4	1.826	31.85	60.4	S0312	.02200	8.1046	2.2	A
	9002	13842.94	38 35N	106 18E	75.9	188.3	2.738	-11.55	69.3	S0312	.03070	9.5489	1.4	F
	9003	13846.94	38 29N	106 14E	75.0	188.3	2.738	-12.60	69.3	S0312	.03070	9.7965	0.6	V
	9004	13849.74	38 29N	106 14E	75.8	188.3	2.738	-12.25	69.4	S0312	.03070	9.5819	0.8	A
	9005	13915.14	33 53N	106 27E	91.7	187.8	2.181	31.85	72.6	S0312	.02200	7.8818	1.6	A
	9006	13944.14	31 39N	104 20E	82.4	187.7	2.881	-25.20	72.3	S0312	.03070	8.7731	1.0	F
	9007	13947.34	31 38N	104 19E	81.4	187.6	2.881	-24.85	72.3	S0312	.03070	9.0124	0.8	V
	9008	13952.74	31 4N	103 51E	91.5	187.6	2.530	-35.70	72.2	S0312	.02200	7.8818	0.6	F
	9009	13957.74	30 43N	104 8E	82.8	187.6	2.738	-25.20	72.6	S0312	.03070	8.7401	0.8	F
	9010	13960.74	30 42N	104 7E	81.7	187.6	2.738	-24.85	72.6	S0312	.03070	8.9794	0.8	V
	9011	13964.14	30 41N	104 6E	83.0	187.5	3.092	-25.55	72.6	S0312	.03070	8.7649	1.4	A
	9012	13983.74	28 55N	105 33E	98.5	187.4	2.181	36.75	74.4	S0312	.02200	7.4609	0.6	V
	9013	13987.74	28 54N	105 31E	99.3	187.4	2.181	36.40	74.4	S0312	.02200	7.2711	0.6	A
	9014	13995.14	28 26N	104 41E	80.8	187.4	2.738	14.35	73.9	S0312	.02200	8.9464	0.8	A
	9015	14029.54	25 60N	102 56E	87.7	187.2	2.881	-32.55	73.0	S0312	.03070	8.3440	1.8	V
	9016	14033.54	25 57N	102 55E	88.7	187.2	3.092	-32.55	73.0	S0312	.02200	8.2037	1.8	A
	9017	14039.94	25 4N	102 53E	85.8	187.2	2.881	-28.70	73.1	S0312	.03070	8.4017	1.8	F
	9018	14045.14	24 42N	102 57E	83.1	187.2	3.092	-24.50	73.2	S0312	.03070	8.6988	1.0	F
	9019	14051.14	24 41N	102 57E	82.8	187.1	3.232	-23.80	73.2	S0312	.03070	8.7566	0.8	A
	9020	14056.34	23 56N	102 42E	85.7	187.1	3.232	-28.00	73.0	S0312	.03070	8.4265	0.8	F
	9021	14059.34	23 56N	102 42E	84.5	187.1	3.232	-27.65	73.0	S0312	.03070	8.6658	0.8	V
	9022	14062.94	23 53N	102 43E	84.5	187.1	3.232	-25.90	73.0	S0312	.03070	8.5833	0.6	A
	9023	14071.14	22 50N	103 18E	78.7	187.1	3.232	3.50	73.6	S0312	.03070	9.2188	3.8	F
	9024	14078.34	22 44N	103 13E	78.7	187.0	3.232	1.75	73.5	S0312	.03070	9.1858	7.2	A
	9025	14119.94	19 57N	102 9E	83.1	186.9	3.439	-19.25	72.3	S0312	.03070	8.7153	1.4	A
	9026	14143.34	18 2N	102 39E	83.6	186.8	3.092	14.35	72.3	S0312	.03070	8.7566	1.8	V
	9027	14220.94	12 46N	100 57E	83.9	186.7	3.439	-15.40	68.8	S0312	.03070	8.7153	1.6	V
	9028	14224.74	12 44N	100 56E	84.9	186.7	3.439	-15.05	68.8	S0312	.03070	8.5090	1.6	A
886	5001	18860.74	58 31N	92 18E	82.9	192.5	1.826	24.15	53.8	S0409	.05370	8.8812	1.4	V
	5002	18864.34	58 29N	92 18E	84.2	192.4	1.826	24.50	53.8	S0409	.05370	8.6419	1.0	A
	5003	18902.54	55 41N	89 28E	75.8	191.6	2.037	-11.55	56.1	S0409	.07180	9.5746	1.2	F
	5004	18904.34	55 33N	89 25E	75.7	191.6	2.037	-11.55	56.2	S0409	.07180	9.5911	0.8	F
	5005	18907.34	55 32N	89 25E	74.8	191.5	2.037	-11.20	56.2	S0409	.07180	9.8304	0.6	V
	5006	18909.94	55 21N	89 21E	74.6	191.4	2.037	-10.85	56.4	S0409	.07180	9.8552	0.8	V
	5007	18912.94	55 20N	89 20E	75.5	191.4	2.037	-10.85	56.4	S0409	.07180	9.6406	0.8	A
	5008	18918.34	54 58N	89 16E	75.2	191.3	2.037	-8.75	56.8	S0409	.07180	9.6901	1.2	A
	5009	18980.34	50 23N	87 37E	74.2	190.2	2.390	-8.40	60.7	S0409	.04000	9.7809	1.6	F
	5010	18985.54	50 23N	87 37E	74.2	190.2	2.390	-7.70	60.7	S0409	.04000	9.8222	1.8	A
	5011	19063.94	44 41N	85 32E	77.9	189.2	2.390	-18.90	65.1	S0409	.05370	9.3187	0.8	F
	5012	19066.94	44 40N	85 31E	76.9	189.1	2.390	-18.55	65.1	S0409	.05370	9.5581	1.0	V
	5013	19075.14	44 8N	85 9E	79.6	189.0	2.390	-25.20	65.4	S0409	.05370	9.2279	1.0	V
	5014	19078.34	44 7N	85 9E	80.4	189.0	2.390	-24.85	65.4	S0409	.05370	9.0711	1.4	A
	9001	18860.54	58 31N	92 19E	82.9	192.5	1.826	24.15	53.8	S0312	.03070	8.8804	1.6	V
	9002	18864.34	58 28N	92 17E	84.1	192.4	1.826	24.50	53.8	S0312	.02200	8.6411	1.4	A
	9003	18909.94	55 21N	89 21E	74.6	191.4	2.037	-10.85	56.4	S0312	.04070	9.8543	0.8	V
	9004	18912.94	55 20N	89 20E	75.5	191.4	2.037	-10.85	56.4	S0312	.03070	9.6397	0.8	A
	9005	18916.74	55 4N	89 18E	75.1	191.3	2.037	-8.75	56.7	S0312	.03070	9.6809	1.2	A
	9006	18979.74	50 25N	87 38E	74.3	190.2	2.390	-8.40	60.6	S0312	.02200	9.7800	2.4	F
	9007	19326.34	26 54N	80 58E	88.9	187.3	2.738	-32.55	73.0	S0312	.02200	8.2532	1.8	V
	9008	19330.34	26 51N	80 58E	89.7	187.3	2.738	-32.20	73.0	S0312	.02200	8.1046	1.8	A
	9009	19533.34	12 36N	78 49E	83.4	186.7	3.439	-14.35	68.7	S0312	.03070	8.7649	0.4	V
	9010	19536.34	12 36N	78 49E	84.5	186.7	3.439	-14.00	68.8	S0312	.03070	8.5585	0.6	A
	9011	19588.94	8 46N	78 9E	85.7	186.6	3.439	-14.00	66.2	S0312	.03070	8.5338	0.8	V
	9012	19592.14	8 46N	78 9E	86.7	186.6	3.439	-13.65	66.2	S0312	.03070	8.3274	0.8	A
887	5001	24349.54	46 18N	63 55E	77.4	189.4	2.390	-17.50	63.8	S0409	.05370	9.3765	1.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
887 5002	24352.94	46 16N	63 54E	76.4	189.4	2.390	-17.15	63.9	S0409	.07180	9.6158	0.4	V
9001	24015.34	68 59N	75 54E	76.0	198.3	1.135	-4.90	43.8	S0312	.03070	9.6644	1.4	V
9002	24018.94	68 56N	75 51E	76.8	198.1	1.338	-4.90	43.9	S0312	.03070	9.4499	1.0	A
9003	24180.14	58 12N	68 18E	77.0	192.3	1.826	-14.35	53.9	S0312	.04070	9.4416	1.4	A
9004	24203.94	56 33N	67 56E	75.1	191.8	2.037	-5.60	55.4	S0312	.03070	9.6727	1.2	A
9005	24269.34	51 45N	65 60E	75.0	190.6	2.181	-7.70	59.5	S0312	.03070	9.6727	0.8	F
9006	24272.34	51 43N	65 59E	74.1	190.5	2.181	-7.35	59.6	S0312	.03070	9.9203	0.8	V
9007	24277.14	51 22N	66 9E	73.9	190.4	2.390	0.70	59.9	S0312	.03070	9.9533	1.8	V
9008	24279.34	51 13N	66 6E	73.9	190.4	2.390	0.70	60.1	S0312	.03070	9.9533	1.0	V
9009	24282.34	51 1N	66 1E	73.8	190.3	2.390	0.35	60.2	S0312	.03070	9.9533	1.0	V
9010	24285.54	50 59N	65 60E	74.7	190.3	2.390	0.70	60.3	S0312	.03070	9.7222	0.4	A
9011	24293.74	50 19N	66 56E	89.3	190.2	1.826	31.15	61.1	S0312	.02200	8.1211	1.4	A
9012	24357.74	45 58N	63 27E	81.8	189.3	2.181	-27.30	64.0	S0312	.03070	8.9712	0.6	V
9013	24360.54	45 59N	63 26E	82.6	189.3	2.390	-27.30	64.0	S0312	.03070	8.8144	1.6	A
9014	24474.94	37 41N	61 55E	75.9	188.2	2.881	-9.10	69.9	S0312	.02200	9.5571	1.6	F
9015	24480.34	37 41N	61 55E	75.8	188.2	2.881	-8.05	69.9	S0312	.02200	9.5737	1.8	A
9016	24547.14	32 30N	62 9E	99.6	187.7	2.390	37.10	73.4	S0312	.01650	7.3206	2.8	F
9017	24556.54	32 21N	62 3E	98.8	187.7	2.037	36.75	73.4	S0312	.01650	7.2958	3.2	A
9018	24564.54	31 49N	61 37E	89.5	187.6	2.390	28.35	73.4	S0312	.02200	8.0634	2.6	A
9019	24573.74	31 10N	61 57E	104.8	187.6	2.037	40.25	74.0	S0312	.01650	6.8749	6.0	A
9020	24584.54	30 25N	61 57E	111.3	187.5	1.826	43.75	74.3	S0312	.01650	6.4870	3.8	A
888 5001	29332.14	68 11N	53 52E	77.5	197.9	1.338	7.70	44.7	S0409	.05370	9.3600	1.8	F
5002	29338.14	68 9N	53 50E	77.6	197.6	1.338	8.05	44.7	S0409	.05370	9.3600	1.2	A
5003	29343.34	67 41N	52 57E	75.6	197.3	1.338	0.70	45.1	S0409	.07180	9.7149	1.0	V
5004	29346.54	67 39N	52 56E	76.5	197.1	1.338	1.05	45.2	S0409	.07180	9.5085	1.4	A
5005	29723.34	41 54N	41 47E	81.5	188.7	2.390	21.70	67.6	S0409	.05370	9.0216	0.4	V
5006	29726.34	41 54N	41 47E	82.8	188.7	2.390	22.05	67.6	S0409	.05370	8.7492	0.4	A
5007	30708.34	25 47S	28 19E	110.6	187.2	3.092	7.70	36.3	S0409	.05370	6.4546	1.4	F
5008	30712.34	25 47S	28 19E	109.9	187.2	2.881	8.40	36.3	S0409	.05370	6.5536	1.8	V
5009	30717.94	26 10S	28 19E	110.9	187.2	2.881	10.15	35.9	S0409	.05370	6.4463	1.2	V
5010	30721.94	26 9S	28 19E	112.8	187.3	2.881	10.50	35.9	S0409	.05370	6.2400	2.0	A
9001	29209.14	76 18N	62 48E	83.7	208.4	0.636	-21.00	36.5	S0312	.05390	8.6493	2.4	F
9002	29215.54	76 16N	62 46E	83.4	207.5	0.636	-20.65	36.6	S0312	.05390	8.7071	2.0	A
9003	29247.34	70 53N	54 12E	84.0	200.0	0.787	-25.55	42.0	S0312	.04070	8.7236	1.4	V
9004	29300.94	70 51N	54 8E	85.0	199.7	0.995	-25.90	42.0	S0312	.04070	8.5420	1.4	A
9005	29332.54	68 9N	53 50E	77.6	197.8	1.338	7.70	44.7	S0312	.02200	9.3591	1.4	F
9006	29337.94	68 10N	53 50E	77.6	197.6	1.338	8.05	44.7	S0312	.02200	9.3591	1.4	A
9007	29442.34	61 1N	46 53E	84.3	193.5	1.338	-27.65	51.2	S0312	.03070	8.5833	0.8	F
9008	29445.34	61 1N	46 53E	83.3	193.4	1.338	-27.65	51.2	S0312	.03070	8.8144	0.8	V
9009	29483.34	58 28N	45 32E	84.8	192.4	1.484	-30.10	53.5	S0312	.03070	8.6493	0.6	V
9010	29486.34	58 28N	45 31E	85.9	192.3	1.690	-30.45	53.5	S0312	.03070	8.4760	0.6	A
9011	29516.34	56 9N	47 12E	88.6	191.7	1.826	30.10	56.0	S0312	.03070	8.1789	1.0	A
9012	29523.54	55 30N	46 25E	79.9	191.5	2.037	19.95	56.5	S0312	.03070	9.1940	0.4	V
9013	29526.54	55 30N	46 25E	81.1	191.5	2.037	20.30	56.5	S0312	.03070	8.9382	0.4	A
9014	29532.74	54 50N	46 32E	86.0	191.4	2.037	28.35	57.2	S0312	.03070	8.5420	0.4	V
9015	29545.54	54 1N	43 51E	83.9	191.1	1.826	-28.35	57.4	S0312	.03070	8.6246	0.8	F
9016	29548.54	54 1N	43 51E	82.6	191.1	1.826	-28.00	57.4	S0312	.03070	8.8887	0.6	V
9017	29559.14	53 7N	45 13E	77.5	190.9	2.181	15.40	58.6	S0312	.03070	9.4829	0.8	V
9018	29562.14	53 6N	45 13E	78.5	190.8	2.181	15.75	58.6	S0312	.03070	9.2353	0.6	A
9019	29569.94	52 5N	45 32E	89.3	190.7	2.181	30.80	59.6	S0312	.03070	8.1624	0.6	F
9020	29573.14	52 5N	45 32E	88.6	190.6	2.181	31.15	59.6	S0312	.03070	8.3027	0.4	V
9021	29577.54	51 36N	45 8E	85.4	190.6	2.181	26.60	60.0	S0312	.03070	8.5338	2.8	F
9022	29582.54	51 28N	45 5E	84.6	190.5	2.181	26.95	60.1	S0312	.03070	8.6823	1.2	V
9023	29617.34	49 3N	44 35E	93.0	190.0	2.037	35.00	62.2	S0312	.03070	7.8900	1.0	V
9024	29620.94	49 3N	44 36E	94.8	189.9	1.826	35.70	62.2	S0312	.03070	7.6425	1.4	A
9025	29637.74	47 41N	42 24E	75.8	189.7	2.390	-11.90	62.8	S0312	.03070	9.5737	1.8	F
9026	29644.34	47 37N	42 16E	76.5	189.6	2.530	-14.70	62.9	S0312	.03070	9.4994	2.0	A
9027	29668.34	45 28N	42 42E	79.8	189.3	2.530	17.85	64.9	S0312	.03070	9.1280	1.0	F
9028	29671.54	45 27N	42 42E	79.1	189.3	2.530	18.20	64.9	S0312	.03070	9.3013	1.0	V
9029	29680.14	45 7N	41 58E	74.9	189.2	2.530	-0.70	65.0	S0312	.03070	9.6974	2.2	A
9030	29687.14	44 37N	41 59E	75.3	189.1	2.530	4.55	65.4	S0312	.03070	9.6397	1.0	A
9031	29691.74	44 17N	42 3E	76.7	189.1	2.530	9.80	65.7	S0312	.03070	9.4581	2.2	A
9032	29705.94	43 1N	40 59E	76.6	188.9	2.530	-14.35	66.3	S0312	.03070	9.4581	1.2	F
9033	29711.34	43 2N	40 59E	76.4	188.9	2.738	-13.65	66.3	S0312	.03070	9.5076	1.2	A
9034	29723.14	41 54N	41 47E	81.5	188.8	2.390	21.70	67.6	S0312	.03070	9.0207	0.6	V
9035	29726.34	41 54N	41 47E	82.7	188.7	2.390	22.05	67.6	S0312	.03070	8.7484	0.4	A
9036	29831.94	34 38N	38 18E	87.8	187.9	2.530	-33.60	71.0	S0312	.03070	8.3357	1.4	V
9037	29835.54	34 36N	38 18E	88.8	187.9	2.738	-33.60	71.0	S0312	.03070	8.1954	1.2	A
9038	29852.74	32 60N	39 46E	87.5	187.8	2.530	28.00	72.9	S0312	.01650	8.4017	1.2	V
9039	29856.14	32 59N	39 46E	88.9	187.7	2.530	28.35	72.9	S0312	.01650	8.1294	1.6	A
9040	29928.74	28 3N	37 58E	77.8	187.4	3.092	3.15	73.7	S0312	.03070	9.2931	2.2	A
9041	30325.54	0 23N	32 39E	89.9	186.5	3.587	-6.65	59.8	S0312	.03070	8.0056	1.2	F
9042	30328.94	0 22N	32 38E	89.1	186.5	3.587	-6.30	59.7	S0312	.03070	8.1706	1.4	V
9043	30708.54	25 48S	28 19E	110.6	187.2	3.092	7.70	36.2	S0312	.03070	6.4540	1.2	F
9044	30712.34	25 48S	28 19E	109.9	187.2	2.881	8.40	36.3	S0312	.03070	6.5531	1.6	V
9045	30717.54	26 9S	28 19E	111.7	187.2	2.881	10.15	35.9	S0312	.03070	6.4458	1.6	V
9046	30721.74	26 9S	28 19E	113.5	187.3	2.881	10.50	36.0	S0312	.03070	6.2394	2.0	A
889 5001	34822.94	56 2N	23 31E	74.9	191.7	2.037	-5.25	55.9	S0409	.07180	9.6901	1.2	F
5002	34826.34	55 59N	23 30E	74.1	191.6	2.037	-4.90	55.9	S0409	.07180	9.9130	0.6	V
5003	34835.14	55 58N	23 53E	76.3	191.5	2.181	11.90	56.6	S0409	.07180	9.6324	0.6	V
5004	34837.94	55 58N	23 53E	77.4	191.4	2.181	12.25	56.6	S0409	.07180	9.3930	0.6	A
5005	34842.34	54 47N	23 57E	79.4	191.3	2.181	18.90	57.1	S0409	.07180	9.2609	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
889 5006	34844.94	54 48N	23 58E	80.6	191.3	2.181	19.25	57.1	S0409	.07180	9.0050	1.6	A
5007	34944.34	47 57N	20 27E	72.7	189.7	2.390	-9.45	62.7	S0409	.07180	10.1028	0.6	V
5008	34947.14	47 57N	20 26E	73.6	189.7	2.390	-9.10	62.7	S0409	.07180	9.8965	0.8	A
5009	34952.94	47 13N	19 52E	78.4	189.6	2.390	-19.95	63.1	S0409	.05370	9.2444	1.0	F
5010	34956.14	47 11N	19 51E	77.5	189.6	2.390	-19.95	63.1	S0409	.07180	9.4755	1.4	V
9001	34621.54	69 20N	33 25E	80.1	198.9	1.338	15.05	43.6	S0312	.05390	9.0702	2.0	F
9002	34625.74	69 19N	33 20E	79.3	198.7	1.338	15.40	43.6	S0312	.05390	9.2683	0.8	V
9003	34628.54	69 4N	33 7E	79.1	198.5	1.338	15.05	43.8	S0312	.05390	9.2931	0.6	V
9004	34631.34	69 4N	33 6E	79.9	198.4	1.338	15.05	43.8	S0312	.05390	9.0702	1.2	A
9005	34638.54	68 32N	33 19E	85.8	198.0	1.135	25.55	44.4	S0312	.04070	8.4595	1.0	A
9006	34642.74	68 1N	33 3E	87.2	197.7	1.338	28.35	44.9	S0312	.03070	8.4182	0.8	V
9007	34646.14	68 1N	33 4E	86.7	197.6	1.135	29.05	44.9	S0312	.03070	8.1871	0.8	A
9008	34650.14	67 38N	32 50E	90.6	197.4	1.338	31.85	45.4	S0312	.03070	8.1129	1.2	V
9009	34654.74	67 15N	32 14E	86.5	197.1	1.338	27.65	45.6	S0312	.04070	8.4925	1.4	V
9010	34658.34	67 13N	32 13E	87.8	197.0	1.338	28.00	45.6	S0312	.03070	8.2532	1.4	A
9011	34770.54	59 23N	26 28E	84.2	192.9	1.826	24.50	53.0	S0312	.03070	8.6576	1.2	F
9012	34772.74	59 14N	26 23E	84.1	192.9	1.826	24.50	53.2	S0312	.03070	8.6658	0.8	F
9013	34776.74	59 11N	26 11E	81.2	192.8	1.826	21.70	53.2	S0312	.03070	9.0620	0.8	V
9014	34779.74	59 11N	26 11E	82.4	192.7	1.826	22.05	53.2	S0312	.03070	8.8061	1.2	A
9015	34789.74	58 2N	26 7E	90.0	192.5	1.826	31.15	54.3	S0312	.03070	8.1129	1.0	F
9016	34792.94	58 2N	26 8E	89.3	192.4	1.826	31.50	54.3	S0312	.03070	8.2449	1.2	V
9017	34795.74	57 51N	26 2E	89.2	192.3	1.826	31.50	54.5	S0312	.03070	8.2449	1.2	V
9018	34802.14	57 18N	25 6E	80.3	192.2	2.037	18.55	54.9	S0312	.03070	9.0620	1.0	F
9019	34809.34	57 7N	24 5E	74.1	192.0	2.037	-2.45	54.9	S0312	.04070	9.9120	0.8	V
9020	34812.34	57 6N	24 5E	75.0	191.9	2.037	-2.10	54.9	S0312	.04070	9.6809	0.8	A
9021	34815.54	56 41N	23 54E	74.1	191.9	2.037	-2.45	55.3	S0312	.04070	9.9120	0.8	V
9022	34818.54	56 40N	23 54E	75.0	191.8	2.037	-2.10	55.3	S0312	.04070	9.6809	1.0	A
9023	34832.34	55 18N	23 53E	77.1	191.5	2.181	11.55	56.6	S0312	.03070	9.4334	0.6	F
9024	34835.14	55 18N	23 53E	76.3	191.5	2.181	11.90	56.6	S0312	.03070	9.6314	0.6	V
9025	34842.34	54 47N	23 57E	79.4	191.3	2.181	18.90	57.1	S0312	.03070	9.2600	0.4	V
9026	34844.94	54 48N	23 58E	80.5	191.3	2.181	19.25	57.1	S0312	.03070	9.0042	1.0	A
9027	34852.54	54 10N	22 58E	74.0	191.1	2.181	0.70	57.5	S0312	.04070	9.9368	1.0	V
9028	34855.74	54 8N	22 57E	74.8	191.1	2.181	0.70	57.6	S0312	.03070	9.6974	1.0	A
9029	34867.74	53 17N	23 3E	77.2	190.9	2.037	12.60	58.4	S0312	.03070	9.3838	1.2	A
9030	34875.94	52 29N	23 6E	80.4	190.7	2.037	21.00	59.2	S0312	.03070	9.1445	1.0	V
9031	34879.14	52 28N	23 6E	81.5	190.7	2.037	21.35	59.2	S0312	.03070	8.8804	1.2	A
9032	34885.74	51 49N	22 55E	81.5	190.6	2.037	22.75	59.8	S0312	.03070	9.0124	1.0	V
9033	34888.94	51 48N	22 55E	82.7	190.5	2.037	23.10	59.8	S0312	.03070	8.7566	1.2	A
9034	34893.54	51 17N	22 44E	81.7	190.4	2.037	23.10	60.2	S0312	.03070	8.9959	1.0	V
9035	34896.74	51 16N	22 43E	82.9	190.4	2.037	23.45	60.2	S0312	.03070	8.7318	1.2	A
9036	34906.74	50 38N	22 5E	77.6	190.2	2.181	13.30	60.7	S0312	.03070	9.3508	1.2	A
9037	34911.54	50 5N	22 6E	79.0	190.2	2.181	18.55	61.2	S0312	.03070	9.3096	0.8	V
9038	34914.54	50 5N	22 6E	80.1	190.1	2.181	18.90	61.2	S0312	.03070	9.0455	1.0	A
9039	34925.34	49 7N	20 19E	79.7	190.0	2.181	-23.10	61.6	S0312	.03070	9.0785	1.0	F
9040	34928.54	49 5N	20 19E	78.6	189.9	2.181	-22.75	61.6	S0312	.03070	9.3343	0.6	V
9041	34931.94	48 39N	20 15E	78.9	189.9	2.181	-21.00	62.0	S0312	.03070	9.1775	0.4	F
9042	34934.54	48 40N	20 16E	77.8	189.8	2.181	-20.65	62.0	S0312	.03070	9.4334	0.8	V
9043	34938.54	48 24N	20 5E	79.3	189.8	2.181	-23.45	62.1	S0312	.03070	9.2518	0.8	V
9044	34952.54	47 14N	19 52E	78.4	189.6	2.390	-19.95	63.1	S0312	.03070	9.2435	1.4	F
9045	34956.14	47 11N	19 51E	77.5	189.6	2.390	-19.95	63.1	S0312	.03070	9.4746	0.8	V
9046	34972.14	45 53N	21 21E	91.8	189.4	2.037	33.95	64.8	S0312	.02200	7.9973	1.2	V
9047	34975.94	45 51N	21 21E	93.5	189.3	1.826	34.65	64.8	S0312	.02200	7.7415	1.2	A
9048	34983.34	44 59N	20 28E	80.2	189.2	2.390	18.55	65.3	S0312	.03070	9.0785	1.0	F
9049	34986.54	44 58N	20 27E	79.5	189.2	2.390	18.90	65.3	S0312	.03070	9.2435	0.6	V
9050	34991.74	44 38N	20 7E	76.4	189.2	2.530	11.90	65.5	S0312	.03070	9.6149	0.6	V
9051	34994.54	44 38N	20 7E	77.4	189.1	2.530	12.25	65.5	S0312	.03070	9.3591	1.0	A
9052	34999.14	44 20N	19 55E	76.4	189.1	2.530	8.75	65.7	S0312	.03070	9.4911	1.0	A
9053	35003.14	43 52N	19 52E	76.0	189.0	2.530	11.20	66.0	S0312	.03070	9.6644	0.8	V
9054	35010.14	43 21N	20 4E	80.7	189.0	2.390	21.70	66.6	S0312	.01650	9.0950	1.2	V
9055	35013.54	43 19N	20 4E	82.0	188.9	2.390	22.05	66.6	S0312	.01650	8.8226	1.2	A
9056	35024.34	42 30N	18 43E	75.8	188.8	2.530	-14.35	66.7	S0312	.04070	9.6809	1.0	V
9057	35027.54	42 28N	18 42E	76.7	188.8	2.738	-14.35	66.7	S0312	.04070	9.4746	1.0	A
9058	35039.34	41 21N	19 32E	81.7	188.7	2.390	22.05	68.0	S0312	.03070	8.9877	1.0	V
9059	35042.54	41 20N	19 32E	82.9	188.6	2.390	22.40	68.0	S0312	.03070	8.7153	1.2	A
9060	35048.14	40 30N	19 31E	86.8	188.6	2.390	27.30	68.7	S0312	.03070	8.3935	1.2	F
9061	35051.54	40 29N	19 30E	86.2	188.6	2.390	27.65	68.7	S0312	.03070	8.5173	1.2	V
9062	35187.54	31 14N	16 34E	76.6	187.6	2.881	4.90	73.1	S0312	.03070	9.5819	0.8	V
9063	35190.54	31 13N	16 34E	77.6	187.6	2.881	5.25	73.1	S0312	.03070	9.3178	1.6	A
9064	35581.34	3 56N	11 32E	89.6	186.5	3.439	8.40	62.9	S0312	.03070	8.0634	1.0	F
9065	35584.54	3 56N	11 31E	88.8	186.5	3.232	8.75	62.9	S0312	.03070	8.2037	1.0	V
890 5001	40226.54	49 44N	1 36W	79.1	190.1	2.181	-23.10	61.1	S0409	.07180	9.2692	1.4	V
5002	40230.14	49 41N	1 37W	79.9	190.0	2.181	-22.75	61.1	S0409	.07180	9.1041	1.4	A
5003	40856.94	6 24N	10 48W	87.7	186.6	3.439	-16.45	64.4	S0409	.05370	8.3035	1.8	V
5004	40861.14	6 20N	10 49W	88.8	186.5	3.439	-15.75	64.3	S0409	.05370	8.1301	1.6	A
9001	40195.14	51 36N	0 7W	74.7	190.5	2.181	0.35	59.8	S0312	.03070	9.7140	2.0	F
9002	40200.94	51 34N	0 8W	74.8	190.4	2.181	1.05	59.8	S0312	.03070	9.7057	1.4	A
9003	40226.94	49 42N	1 37W	79.1	190.0	2.181	-23.10	61.1	S0312	.04070	9.2683	1.0	V
9004	40230.14	49 41N	1 37W	79.9	190.0	2.181	-22.75	61.1	S0312	.04070	9.1032	1.0	A
9005	40360.74	40 29N	3 40W	74.1	188.6	2.738	-6.30	68.2	S0312	.03070	9.9120	0.8	V
9006	40363.74	40 28N	3 41W	74.9	188.5	2.738	-5.95	68.2	S0312	.03070	9.6809	1.4	A
891 9001	46342.34	5 50S	35 9W	96.3	186.5	3.587	-18.90	54.2	S0312	.03070	7.5269	1.6	V
9002	46346.54	5 53S	35 9W	97.4	186.5	3.587	-18.20	54.2	S0312	.03070	7.3618	1.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
891 9003	46358.94	7 11S	35 52W	109.9	186.6	3.232	-33.60	52.7	SO312	.02200	6.4953	2.2	F
9004	46372.94	8 0S	34 51W	95.3	186.6	3.232	5.25	52.6	SO312	.04070	7.8094	1.4	V
9005	46391.54	9 27S	35 47W	99.8	186.6	3.587	-18.90	51.0	SO312	.03070	7.1720	2.0	F
9006	46411.34	10 12S	36 32W	115.1	186.6	3.587	-35.35	50.0	SO312	.02200	6.2312	2.6	A
892 9001	51473.74	5 54N	55 10W	89.8	186.5	3.439	-19.25	63.9	SO312	.03070	8.0138	1.4	F
9002	51477.74	5 51N	55 10W	88.7	186.5	3.439	-18.55	63.9	SO312	.04070	8.2202	1.0	V
9003	51485.74	5 31N	55 11W	89.0	186.5	3.587	-16.10	63.7	SO312	.03070	8.0881	2.2	A
9004	51581.14	1 27S	56 45W	100.2	186.5	3.439	-28.35	57.8	SO312	.02200	7.1555	1.4	F
9005	51599.54	2 23S	54 49W	126.1	186.5	1.826	40.95	58.3	SO312	.02200	5.6370	1.4	A
9006	51832.74	18 55S	57 48W	129.6	186.9	2.390	34.30	43.1	SO312	.02200	5.5379	2.4	F
9007	51882.34	22 0S	60 37W	116.3	187.0	3.439	-27.65	39.3	SO312	.03070	6.1238	1.0	F
9008	51895.34	22 48S	59 1W	116.8	187.1	2.530	22.75	39.3	SO312	.03070	6.1652	1.0	V
9009	51902.74	22 59S	59 15W	114.9	187.1	2.738	18.20	39.0	SO312	.03070	6.1487	2.0	A
9010	51924.54	24 39S	60 32W	107.7	187.2	3.439	-10.15	37.1	SO312	.03070	6.6851	2.2	V
9011	51950.54	26 14S	59 20W	131.0	187.3	2.037	30.45	36.2	SO312	.03070	5.3729	2.2	A
9012	51984.54	29 13S	59 43W	136.8	187.4	2.181	32.55	33.4	SO312	.03070	5.2326	1.2	F
9013	51988.34	29 9S	59 41W	136.8	187.4	2.181	33.25	33.5	SO312	.03070	5.2491	1.6	V
9014	51993.34	29 8S	59 41W	139.6	187.5	1.826	33.95	33.5	SO312	.03070	5.0428	2.6	A
9015	52022.34	31 44S	60 28W	131.6	187.6	2.390	27.30	30.9	SO312	.03070	5.4141	2.0	F
9016	52027.14	31 44S	60 28W	131.2	187.6	2.181	28.00	30.9	SO312	.03070	5.4719	1.8	V
9017	52031.74	31 42S	60 31W	132.2	187.7	2.181	27.30	30.9	SO312	.03070	5.3234	1.4	A
9018	52040.14	32 57S	60 38W	135.0	187.7	2.181	29.05	29.8	SO312	.03070	5.2821	1.4	F
9019	52047.54	32 46S	60 43W	133.6	187.8	2.037	27.65	29.9	SO312	.03070	5.2573	1.2	A
9020	52058.34	33 26S	61 51W	117.1	187.8	2.881	4.90	28.9	SO312	.03070	6.0249	1.4	A
9021	52060.74	33 36S	61 53W	117.2	187.8	2.881	4.90	28.8	SO312	.03070	6.0166	4.0	A
9022	52068.34	34 6S	62 2W	117.4	187.9	2.881	3.85	28.3	SO312	.03070	6.0084	2.0	A
9023	52072.94	34 24S	62 9W	117.4	187.9	2.881	2.80	28.0	SO312	.03070	6.0084	1.8	A
9024	52077.74	34 42S	62 11W	116.7	187.9	2.881	4.90	27.4	SO312	.04070	6.1404	2.0	V
9025	52084.94	35 35S	61 40W	125.6	188.0	2.530	19.60	27.1	SO312	.03070	5.7030	2.0	V
9026	52091.14	36 0S	61 42W	127.0	188.0	2.181	21.00	26.7	SO312	.03070	5.6370	2.0	V
9027	52097.74	36 8S	61 30W	134.5	188.1	2.037	25.90	26.7	SO312	.03070	5.2161	2.0	A
9028	52106.74	37 23S	61 53W	131.3	188.1	2.390	22.75	25.4	SO312	.03070	5.4141	2.0	F
9029	52112.94	37 28S	62 7W	126.5	188.2	2.390	18.90	25.3	SO312	.03070	5.6535	1.2	V
9030	52118.94	37 30S	62 43W	121.0	188.2	2.738	6.30	25.0	SO312	.04070	5.8185	1.6	A
9031	52130.34	38 39S	62 8W	132.3	188.3	2.037	23.80	24.2	SO312	.03070	5.3976	2.2	V
9032	52135.34	38 39S	62 8W	134.8	188.4	2.037	24.15	24.2	SO312	.03070	5.1996	2.2	A
9033	52172.14	41 30S	65 20W	114.5	188.7	2.738	-26.95	20.6	SO312	.04070	5.2491	2.2	F
9034	52182.34	41 31S	65 20W	134.3	188.8	3.092	-26.25	20.6	SO312	.04070	5.2656	2.0	A
9035	52267.74	47 40S	65 53W	126.3	189.7	2.390	-2.10	15.1	SO312	.05390	5.6452	2.2	V
893 9001	56570.94	20 43N	74 55W	89.4	186.9	3.232	-29.75	72.2	SO312	.02200	8.0964	2.0	A
9002	56710.94	10 30N	75 30W	90.0	186.6	3.092	17.85	68.0	SO312	.03070	8.0468	1.2	F
9003	56714.34	10 29N	75 31W	89.4	186.6	3.092	18.20	68.0	SO312	.03070	8.1624	1.6	V
9004	56718.14	10 27N	75 31W	90.7	186.6	2.881	18.55	68.0	SO312	.03070	7.9148	1.6	A
9005	56732.34	9 29N	75 41W	91.7	186.6	2.881	19.25	67.3	SO312	.02200	7.8240	2.6	A
9006	56740.34	8 55N	75 40W	94.6	186.6	2.881	22.75	67.0	SO312	.02200	7.5764	1.2	A
9007	56781.14	5 43N	76 39W	87.7	186.5	3.439	6.30	64.3	SO312	.03070	8.2449	0.8	F
9008	56796.34	5 6N	76 39W	90.0	186.5	3.232	11.20	63.9	SO312	.03070	7.9643	0.8	A
9009	56807.54	3 55N	77 3W	88.0	186.5	3.439	2.80	62.8	SO312	.03070	8.2119	0.4	F
9010	56810.74	3 55N	77 4W	87.1	186.5	3.439	2.45	62.8	SO312	.04070	8.3687	0.6	V
9011	56813.94	3 55N	77 4W	88.4	186.5	3.439	3.15	62.8	SO312	.03070	8.1129	0.6	A
9012	56850.54	1 2N	78 37W	105.0	186.5	3.232	-34.65	59.7	SO312	.03070	6.8172	1.6	F
9013	56867.74	0 11N	76 52W	109.3	186.5	2.390	31.85	60.3	SO312	.02200	6.5118	1.8	A
9014	56881.74	0 53S	78 37W	94.0	186.5	3.587	-23.80	58.4	SO312	.01650	7.7332	1.0	V
9015	56885.34	0 53S	78 36W	94.9	186.5	3.587	-23.10	58.4	SO312	.01650	7.5847	0.8	A
9016	56897.34	2 10S	79 39W	124.0	186.5	2.881	-44.80	56.8	SO312	.02200	5.7525	2.6	F
9017	56902.14	2 11S	79 40W	122.4	186.5	3.092	-44.80	56.7	SO312	.02200	5.9341	1.8	V
9018	56910.54	2 51S	78 58W	95.7	186.5	3.587	-24.15	56.7	SO312	.01650	7.5929	1.4	V
9019	56917.94	2 58S	79 46W	122.2	186.5	3.439	-43.75	56.1	SO312	.02200	5.9011	1.0	A
9020	56922.54	3 17S	79 45W	119.5	186.5	3.439	-42.35	55.9	SO312	.02200	6.0331	1.4	A
9021	56934.54	4 6S	79 58W	122.5	186.5	3.232	-43.40	55.2	SO312	.02200	5.8763	1.2	A
9022	56939.74	4 28S	79 59W	121.5	186.5	3.439	-42.70	54.9	SO312	.02200	5.9258	1.4	A
9023	56952.74	5 36S	78 35W	95.4	186.5	3.232	8.05	54.8	SO312	.03070	7.4856	1.8	A
894 5001	61628.94	37 12N	92 44W	75.3	188.2	2.881	-0.35	70.3	SO409	.05370	9.6489	0.6	F
5002	61634.34	37 12N	92 44W	75.5	188.1	2.881	0.70	70.3	SO409	.05370	9.6076	0.6	A
5003	61739.74	29 53N	95 19W	88.3	187.5	2.738	-32.90	72.6	SO409	.04000	8.2952	3.0	V
9001	61628.74	37 13N	92 44W	75.3	188.2	2.881	-0.35	70.3	SO312	.02200	9.6479	0.8	F
9002	61634.14	37 13N	92 43W	75.5	188.1	2.881	0.70	70.3	SO312	.02200	9.6067	0.8	A
9003	61739.74	29 52N	95 20W	88.3	187.5	2.738	-32.90	72.6	SO312	.02200	8.2944	2.8	V
895 5001	66887.54	40 13N	113 12W	86.4	188.6	2.530	27.65	68.9	SO409	.04000	8.4438	1.4	F
5002	66893.74	40 13N	113 13W	86.9	188.5	2.181	28.35	68.9	SO409	.04000	8.3117	1.4	A
5003	66990.74	33 17N	115 56W	76.4	187.8	2.881	-7.35	72.1	SO409	.05370	9.4838	0.8	F
5004	66996.34	33 16N	115 56W	76.6	187.8	3.092	-7.00	72.1	SO409	.05370	9.4755	0.6	A
9001	66887.54	40 12N	113 12W	86.4	188.6	2.530	27.65	68.9	SO312	.02200	8.4430	1.2	F
9002	66893.74	40 12N	113 13W	86.8	188.5	2.181	28.35	68.9	SO312	.02200	8.3109	1.2	A
9003	66990.74	33 16N	115 56W	76.4	187.8	2.881	-7.35	72.1	SO312	.02200	9.4829	0.6	F
9004	66996.34	33 16N	115 56W	76.5	187.8	3.092	-7.00	72.1	SO312	.02200	9.4746	0.6	A
899 9001	1474.54	57 24N	161 48E	85.3	192.1	1.690	-31.50	54.5	SO312	.02200	8.5998	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
899 9002	1477.54	57 24N	161 48E	86.3	192.0	1.690	-31.50	54.5	S0312	.02200	8.4265	0.4	A
900 9001	6842.74	53 17N	140 20E	83.5	190.9	2.037	24.50	58.6	S0312	.03070	8.6741	1.2	A
9002	6878.94	50 39N	137 6E	86.6	190.3	1.826	-34.30	60.2	S0312	.03070	8.1459	1.0	F
9003	6882.14	50 38N	137 6E	87.2	190.2	1.826	-33.95	60.2	S0312	.03070	8.4017	1.2	V
9004	6885.54	50 38N	137 5E	88.1	190.2	2.037	-33.95	60.3	S0312	.03070	8.2697	1.2	A
9005	7103.74	35 21N	133 57E	74.6	188.0	2.881	-7.35	71.2	S0312	.02200	9.8295	0.8	V
9006	7106.74	35 20N	133 57E	75.5	188.0	2.881	-7.00	71.2	S0312	.02200	9.6067	1.0	A
901 9001	11997.54	63 47N	121 36E	78.2	194.7	1.484	-16.80	48.8	S0312	.03070	9.3013	1.6	A
9002	12162.14	52 18N	117 44E	80.6	190.7	2.037	22.05	59.4	S0312	.03070	9.1197	0.8	V
9003	12165.14	52 17N	117 44E	81.8	190.6	2.037	22.40	59.4	S0312	.03070	8.8639	0.6	A
9004	12226.14	48 9N	114 31E	81.0	189.7	2.181	-27.30	62.4	S0312	.03070	9.0537	0.8	V
9005	12229.14	48 7N	114 31E	81.8	189.7	2.181	-26.95	62.4	S0312	.03070	8.8887	1.0	A
9006	12332.14	41 3N	112 39E	80.4	188.6	2.530	-25.55	67.6	S0312	.03070	9.0372	0.8	A
9007	12342.74	39 52N	113 6E	74.5	188.5	2.738	-1.75	68.7	S0312	.02200	9.7470	0.6	F
9008	12347.54	39 56N	112 51E	74.8	188.5	2.738	-10.50	68.5	S0312	.03070	9.7140	0.6	A
9009	12355.34	39 5N	111 46E	90.8	188.4	2.181	-36.75	68.6	S0312	.02200	7.9396	1.0	F
9010	12359.54	38 48N	111 50E	87.2	188.4	2.181	-33.60	68.8	S0312	.03070	8.2647	0.8	F
9011	12362.54	38 48N	111 49E	86.1	188.3	2.390	-33.60	68.8	S0312	.03070	8.5255	1.0	V
9012	12366.14	38 47N	111 46E	87.9	188.3	2.390	-34.30	68.8	S0312	.03070	8.2862	0.6	A
9013	12373.34	37 48N	112 20E	75.1	188.2	2.738	-10.85	69.8	S0312	.03070	9.6562	0.4	F
9014	12377.14	37 42N	112 24E	74.3	188.2	2.738	-7.00	69.9	S0312	.03070	9.8873	0.8	V
9015	12380.14	37 41N	112 24E	75.1	188.2	2.738	-6.65	70.0	S0312	.03070	9.6644	0.8	A
9016	12386.94	37 14N	112 11E	75.8	188.1	2.881	-10.50	70.2	S0312	.02200	9.5819	1.0	A
9017	12400.14	36 11N	111 29E	81.2	188.1	2.738	-25.90	70.4	S0312	.02200	9.0372	1.0	V
9018	12416.94	34 48N	111 40E	76.1	187.9	2.881	-9.80	71.4	S0312	.02200	9.5324	0.8	F
9019	12422.34	34 24N	111 51E	75.8	187.9	2.881	0.70	71.8	S0312	.03070	9.5819	0.6	F
9020	12425.14	34 23N	111 51E	75.0	187.9	2.881	1.05	71.8	S0312	.03070	9.7882	0.8	V
9021	12432.94	33 48N	112 11E	79.8	187.8	2.738	17.85	72.4	S0312	.03070	9.2023	0.8	V
9022	12435.94	33 48N	112 11E	81.0	187.8	2.738	18.20	72.4	S0312	.03070	8.9299	1.0	A
9023	12447.34	33 1N	111 54E	79.9	187.7	2.738	14.70	72.6	S0312	.02200	9.0620	1.2	A
9024	12455.94	32 26N	111 45E	79.8	187.7	2.738	14.00	72.9	S0312	.03070	9.0620	1.0	A
902 9001	17411.14	56 26N	95 29E	79.1	191.8	1.826	-23.10	55.4	S0312	.03070	9.2683	1.0	V
9002	17414.34	56 24N	95 28E	79.9	191.7	2.037	-23.10	55.5	S0312	.03070	9.0950	1.0	A
9003	17415.94	56 18N	95 25E	79.9	191.7	2.037	-23.10	55.6	S0312	.03070	9.1032	1.0	A
9004	17806.74	29 24N	89 18E	85.7	187.5	2.530	25.90	74.0	S0312	.03070	8.4265	1.2	A
9005	17834.34	27 30N	88 54E	86.4	187.3	2.530	25.55	74.3	S0312	.03070	8.3522	1.2	A
903 5001	22865.74	45 57N	71 21E	82.1	189.4	2.390	22.40	64.7	S0409	.05370	8.8730	0.8	F
5002	22868.73	45 57N	71 21E	81.4	189.4	2.390	22.75	64.7	S0409	.05370	9.0216	1.0	V
5003	22921.73	42 30N	68 48E	80.5	188.8	2.390	-25.55	66.6	S0409	.05370	9.1206	0.8	V
5004	22924.74	42 30N	68 48E	81.3	188.8	2.390	-25.20	66.6	S0409	.05370	8.9555	1.0	A
5005	22937.13	41 21N	69 20E	74.1	188.7	2.738	1.05	67.8	S0409	.07180	9.9130	0.8	V
5006	22940.13	41 20N	69 20E	75.1	188.6	2.738	1.40	67.8	S0409	.07180	9.6736	0.8	A
9001	22628.94	62 24N	78 13E	79.2	194.1	1.690	16.45	50.3	S0312	.04070	9.1610	1.6	A
9002	22640.74	61 19N	76 51E	75.2	193.7	1.826	1.40	51.2	S0312	.04070	9.6562	0.8	F
9003	22642.13	61 14N	76 48E	75.2	193.6	1.826	1.40	51.3	S0312	.04070	9.6562	0.6	F
9004	22645.53	61 10N	76 50E	74.4	193.5	1.826	3.15	51.3	S0312	.04070	9.8708	0.8	V
9005	22649.93	61 3N	76 50E	75.5	193.4	1.826	4.90	51.5	S0312	.04070	9.6149	0.8	A
9006	22733.33	55 6N	73 32E	74.8	191.4	2.181	-6.65	56.7	S0312	.03070	9.7057	1.6	F
9007	22738.54	55 7N	73 32E	74.7	191.3	2.181	-5.95	56.7	S0312	.04070	9.7222	1.8	A
9008	22775.13	52 29N	72 3E	76.9	190.7	2.037	-18.90	58.9	S0312	.03070	9.5571	0.8	V
9009	22778.14	52 29N	72 2E	77.8	190.6	2.037	-18.90	58.9	S0312	.03070	9.3508	1.0	A
9010	22855.13	46 58N	70 51E	73.5	189.5	2.530	-1.40	63.6	S0312	.03070	10.0028	0.6	V
9011	22857.93	46 57N	70 51E	74.3	189.5	2.530	-1.05	63.6	S0312	.03070	9.7635	0.8	A
9012	22865.93	45 56N	71 21E	82.1	189.4	2.390	22.40	64.7	S0312	.03070	8.8721	0.6	F
9013	22868.73	45 57N	71 21E	81.4	189.4	2.390	22.75	64.7	S0312	.03070	9.0207	0.8	V
9014	22921.73	42 29N	68 48E	80.5	188.8	2.390	-25.55	66.6	S0312	.03070	9.1197	0.8	V
9015	22924.74	42 29N	68 48E	81.3	188.8	2.390	-25.20	66.6	S0312	.03070	8.9547	0.8	A
9016	22933.93	41 23N	69 21E	74.8	188.7	2.738	0.70	67.7	S0312	.02200	9.7057	0.8	F
9017	22936.94	41 21N	69 20E	74.1	188.7	2.738	1.05	67.8	S0312	.03070	9.9120	1.0	V
9018	22940.13	41 20N	69 20E	75.0	188.6	2.738	1.40	67.8	S0312	.03070	9.6727	0.6	A
9019	22943.93	41 3N	69 20E	75.4	188.6	2.738	4.20	68.0	S0312	.03070	9.6149	0.6	A
9020	22954.33	40 18N	69 37E	81.2	188.5	2.530	19.60	68.7	S0312	.03070	8.9134	1.0	A
9021	22980.53	38 30N	69 12E	81.7	188.3	2.530	21.35	69.9	S0312	.03070	8.8639	0.8	A
9022	23000.13	37 20N	67 24E	84.6	188.1	2.738	-29.40	69.8	S0312	.02200	8.5915	1.0	A
9023	23006.53	36 43N	66 60E	90.6	188.1	2.530	-36.75	69.9	S0312	.02200	8.1046	1.0	V
9024	23009.93	36 42N	66 59E	91.4	188.1	2.530	-36.40	69.9	S0312	.02200	7.9808	1.0	A
9025	23081.33	31 34N	65 52E	91.8	187.6	2.530	-37.10	72.0	S0312	.02200	7.9643	1.4	V
9026	23084.93	31 33N	65 51E	92.8	187.6	2.738	-37.10	72.0	S0312	.02200	7.8405	1.6	A
904 5001	27820.73	69 48N	61 37E	76.0	199.1	1.135	6.30	43.2	S0409	.05370	9.6654	1.0	V
5002	27823.93	69 47N	61 35E	76.9	198.9	1.135	6.30	43.2	S0409	.05370	9.4508	1.0	A
5003	28145.13	47 57N	47 55E	87.1	189.7	2.037	-32.90	62.4	S0409	.05370	8.2952	1.2	F
5004	28148.53	47 56N	47 55E	85.8	189.7	2.037	-32.55	62.5	S0409	.05370	8.5511	1.2	V
5005	28161.13	46 49N	48 17E	76.2	189.5	2.390	-14.35	63.6	S0409	.07180	9.5003	1.4	F
5006	28166.73	46 48N	48 17E	76.2	189.5	2.390	-13.65	63.6	S0409	.07180	9.5498	1.4	A
5007	28275.73	38 60N	45 39E	85.6	188.4	2.390	-31.15	68.8	S0409	.05370	8.4438	1.2	F
5008	28279.13	38 58N	45 38E	84.5	188.4	2.390	-30.80	68.8	S0409	.05370	8.6831	1.0	V
9001	28045.93	54 53N	52 27E	81.6	191.3	2.037	21.70	57.1	S0312	.03070	8.8804	1.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
904 9002	28145.13	47 57N	47 55E	87.1	189.7	2.037	-32.90	62.4	SO312	.03070	8.2944	1.2	F
9003	28148.53	47 55N	47 54E	85.8	189.7	2.037	-32.55	62.5	SO312	.03070	8.5503	1.2	V
9004	28151.93	47 54N	47 54E	86.5	189.6	2.037	-32.20	62.5	SO312	.03070	8.4100	1.2	A
9005	28160.93	46 49N	48 17E	76.3	189.5	2.390	-14.35	63.6	SO312	.03070	9.4994	1.6	F
9006	28166.53	46 48N	48 17E	76.1	189.5	2.390	-13.65	63.6	SO312	.03070	9.5489	1.4	A
9007	28175.33	46 13N	48 3E	76.7	189.4	2.530	-15.75	64.0	SO312	.03070	9.4664	0.8	A
9008	28254.73	40 36N	46 20E	78.6	188.6	2.530	-22.40	67.9	SO312	.02200	9.3261	1.0	V
9009	28275.73	38 59N	45 38E	85.7	188.4	2.390	-31.15	68.8	SO312	.03070	8.4430	1.2	F
9010	28287.53	38 7N	46 18E	75.1	188.3	2.881	-3.15	69.8	SO312	.03070	9.6644	1.4	F
9011	28293.13	38 6N	46 18E	75.2	188.2	2.881	-2.45	69.8	SO312	.03070	9.6479	1.2	A
9012	28306.13	36 54N	45 11E	85.0	188.1	2.390	-30.45	70.0	SO312	.03070	8.5008	0.8	F
9013	28309.13	36 54N	45 11E	83.8	188.1	2.390	-30.10	70.0	SO312	.03070	8.7566	1.0	V
9014	28311.73	36 43N	45 8E	83.8	188.1	2.390	-30.10	70.1	SO312	.03070	8.7484	0.8	V
9015	28314.73	36 44N	45 8E	84.6	188.1	2.738	-30.10	70.1	SO312	.03070	8.5996	1.0	A
9016	28319.53	35 59N	44 59E	85.3	188.0	2.530	-30.10	70.5	SO312	.03070	8.4595	0.8	F
9017	28322.53	35 59N	44 59E	84.1	188.0	2.530	-29.75	70.5	SO312	.03070	8.7071	1.0	V
9018	28340.73	34 38N	45 31E	75.1	187.9	2.881	-1.40	71.7	SO312	.03070	9.7800	0.8	V
9019	28343.73	34 37N	45 31E	76.0	187.9	2.881	-1.05	71.7	SO312	.03070	9.5324	0.8	A
9020	28357.73	33 34N	44 17E	89.0	187.8	2.530	-34.30	71.4	SO312	.03070	8.2202	1.4	V
9021	28361.33	33 33N	44 16E	89.9	187.8	2.738	-34.30	71.4	SO312	.02200	8.0881	1.2	A
9022	28367.73	32 52N	44 17E	85.5	187.7	2.738	-30.45	71.8	SO312	.03070	8.5756	1.2	V
9023	28371.13	32 51N	44 16E	86.3	187.7	2.738	-30.10	71.8	SO312	.03070	8.4182	1.2	A
9024	28573.53	18 21N	42 47E	87.2	186.9	3.092	20.65	72.6	SO312	.03070	8.3357	1.0	F
9025	28577.13	18 19N	42 47E	86.7	186.9	2.881	21.35	72.6	SO312	.03070	8.4512	1.0	V
905 9001	33141.53	68 39N	37 49E	76.0	198.2	1.338	-2.10	44.3	SO312	.04070	9.5489	0.8	F
9002	33146.93	68 39N	37 49E	75.9	197.9	1.338	-1.75	44.3	SO312	.04070	9.5654	0.8	A
9003	33175.53	66 31N	34 45E	81.0	196.5	1.338	-22.05	46.2	SO312	.05390	8.9464	1.0	F
9004	33181.33	66 31N	34 45E	80.7	196.2	1.338	-21.70	46.3	SO312	.05390	9.0042	1.0	A
9005	33188.53	65 60N	34 42E	78.2	195.9	1.484	-16.45	46.8	SO312	.04070	9.2848	0.4	A
9006	33198.13	64 57N	34 18E	76.4	195.5	1.484	-10.85	47.8	SO312	.03070	9.4829	0.8	F
9007	33203.73	64 57N	34 17E	76.3	195.3	1.484	-10.50	47.8	SO312	.03070	9.5159	0.8	A
9008	33220.13	63 45N	34 21E	75.9	194.7	1.690	5.95	49.0	SO312	.04070	9.5654	0.6	A
9009	33371.53	53 10N	29 10E	76.0	190.9	2.181	9.45	58.6	SO312	.03070	9.5737	0.6	F
9010	33375.73	53 3N	29 15E	76.4	190.9	2.181	13.30	58.7	SO312	.03070	9.6232	0.6	V
9011	33378.53	53 3N	29 15E	77.4	190.8	2.181	13.65	58.7	SO312	.03070	9.3673	0.6	A
9012	33388.33	52 14N	28 33E	73.9	190.6	2.181	2.80	59.3	SO312	.03070	9.9450	0.6	V
9013	33391.13	52 14N	28 33E	74.8	190.6	2.181	3.15	59.3	SO312	.03070	9.7057	0.4	A
9014	33397.53	51 21N	28 49E	79.5	190.5	2.181	18.20	60.2	SO312	.03070	9.1693	0.6	F
9015	33400.93	51 7N	28 42E	79.1	190.4	2.181	17.50	60.4	SO312	.03070	9.2105	0.4	F
9016	33403.73	51 7N	28 42E	78.4	190.4	2.181	17.85	60.4	SO312	.03070	9.3838	0.4	V
9017	33406.13	50 58N	28 38E	78.4	190.4	2.181	17.85	60.5	SO312	.03070	9.3838	0.6	V
9018	33410.53	50 53N	28 20E	76.4	190.3	2.181	10.85	60.5	SO312	.03070	9.4994	0.6	A
9019	33414.93	50 11N	28 16E	78.0	190.2	2.390	15.05	61.1	SO312	.03070	9.3261	0.4	F
9020	33422.73	49 45N	27 16E	75.0	190.1	2.390	-9.80	61.3	SO312	.03070	9.6809	0.4	F
9021	33425.33	49 46N	27 16E	74.1	190.1	2.390	-9.45	61.3	SO312	.03070	9.9203	1.4	V
9022	33428.93	49 42N	27 15E	74.8	190.0	2.390	-9.10	61.3	SO312	.03070	9.7057	0.6	A
9023	33434.33	49 10N	26 49E	76.0	189.9	2.181	-16.80	61.7	SO312	.03070	9.6644	0.6	V
9024	33436.73	49 1N	26 46E	76.0	189.9	2.181	-16.80	61.8	SO312	.03070	9.6644	0.6	V
9025	33438.53	48 53N	26 43E	76.1	189.9	2.181	-16.80	61.9	SO312	.03070	9.6397	0.6	V
9026	33441.33	48 53N	26 43E	77.0	189.9	2.390	-16.80	61.9	SO312	.03070	9.4416	0.6	A
9027	33450.33	48 21N	25 58E	85.9	189.7	2.181	-31.85	62.1	SO312	.03070	8.4843	0.4	A
9028	33462.93	46 57N	26 55E	75.4	189.6	2.530	6.65	63.7	SO312	.03070	9.6314	1.4	F
9029	33468.33	46 57N	26 55E	75.6	189.5	2.530	7.35	63.7	SO312	.03070	9.5819	1.4	A
9030	33480.33	45 52N	25 31E	81.1	189.4	2.181	-25.55	64.2	SO312	.03070	8.9134	0.4	F
9031	33483.13	45 52N	25 31E	80.0	189.3	2.181	-25.20	64.2	SO312	.03070	9.1693	0.4	V
9032	33493.73	45 1N	26 26E	75.7	189.2	2.390	10.50	65.2	SO312	.03070	9.7057	0.4	V
9033	33496.53	45 1N	26 26E	76.7	189.2	2.390	10.85	65.2	SO312	.03070	9.4416	0.4	A
9034	33500.93	44 32N	26 15E	75.4	189.1	2.390	9.10	65.6	SO312	.03070	9.7470	0.4	V
9035	33503.93	44 31N	26 12E	76.0	189.1	2.390	8.05	65.6	SO312	.03070	9.5324	0.8	A
9036	33508.93	44 12N	25 50E	74.7	189.0	2.390	-1.05	65.7	SO312	.03070	9.7057	0.4	A
9037	33515.13	43 39N	25 8E	77.1	189.0	2.530	-18.90	65.9	SO312	.03070	9.5159	0.4	V
9038	33517.93	43 39N	25 8E	77.9	189.0	2.530	-18.55	65.9	SO312	.03070	9.3261	0.4	A
9039	33523.73	43 3N	25 6E	75.6	188.9	2.530	-14.70	66.4	SO312	.03070	9.7057	0.4	V
9040	33526.53	43 3N	25 6E	76.4	188.9	2.530	-14.35	66.4	SO312	.03070	9.4994	0.4	A
9041	33529.13	42 41N	25 0E	75.3	188.8	2.530	-14.70	66.6	SO312	.03070	9.7552	0.4	V
9042	33531.93	42 41N	25 0E	76.1	188.8	2.530	-14.35	66.6	SO312	.03070	9.5489	0.4	A
9043	33536.73	42 9N	25 0E	74.6	188.8	2.530	-10.15	67.1	SO312	.02200	9.8377	0.6	V
9044	33539.53	42 8N	24 60E	75.5	188.7	2.738	-10.15	67.1	SO312	.02200	9.6149	0.6	A
9045	33544.93	41 35N	24 48E	74.7	188.7	2.530	-12.25	67.4	SO312	.03070	9.8212	0.4	V
9046	33547.73	41 35N	24 47E	75.6	188.7	2.738	-12.25	67.4	SO312	.03070	9.6067	0.4	A
9047	33593.53	38 6N	23 35E	80.8	188.3	2.530	-23.45	69.5	SO312	.03070	8.9464	0.6	F
9048	33596.53	38 5N	23 35E	79.7	188.3	2.530	-23.10	69.5	SO312	.03070	9.1940	0.6	V
9049	33677.13	32 28N	23 3E	76.0	187.7	2.881	3.15	72.6	SO312	.03070	9.6644	0.6	V
9050	33679.93	32 28N	23 3E	77.0	187.7	2.881	3.50	72.6	SO312	.03070	9.4003	0.6	A
9051	33862.53	19 36N	19 35E	89.5	186.9	3.092	-29.40	71.9	SO312	.02200	8.0634	0.6	F
9052	33869.13	19 35N	19 36E	88.8	186.9	3.232	-28.35	71.9	SO312	.02200	8.1541	0.4	A
9053	33886.73	17 56N	19 8E	94.7	186.8	2.881	-33.95	71.1	SO312	.02200	7.5929	0.4	F
9054	33893.53	17 56N	19 7E	94.4	186.8	3.092	-33.60	71.1	SO312	.02200	7.6837	0.4	A
9055	34191.93	3 18S	17 24E	116.3	186.5	2.530	34.65	57.3	SO312	.02200	6.2312	0.6	F
9056	34196.13	3 18S	17 23E	115.8	186.5	2.530	35.00	57.3	SO312	.02200	6.2807	0.4	V
9057	34209.93	4 17S	15 19E	102.6	186.5	3.587	-28.35	55.3	SO312	.02200	6.9822	0.6	F
9058	34212.73	4 13S	15 19E	101.5	186.5	3.587	-28.35	55.4	SO312	.03070	7.1555	1.4	V
9059	34216.53	4 13S	15 18E	102.8	186.5	3.808	-28.35	55.4	SO312	.02200	6.9987	0.6	A
9060	34261.33	7 35S	15 3E	96.7	186.6	3.587	-17.50	52.6	SO312	.03070	7.5021	0.4	V
9061	34264.93	7 35S	15 2E	98.0	186.6	3.808	-17.50	52.6	SO312	.03070	7.3123	0.4	A
9062	34277.53	9 5S	15 59E	106.3	186.6	2.881	22.75	51.9	SO312	.03070	6.7924	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
905 9063	34281.33	9 5S	15 58E	105.7	186.6	2.881	23.10	51.9	S0312	.03070	6.8867	0.4	V
9064	34286.53	9 29S	16 21E	120.2	186.6	2.181	35.00	51.8	S0312	.02200	6.0414	1.0	V
9065	34291.13	9 29S	16 21E	122.6	186.6	2.181	35.35	51.8	S0312	.02200	5.8020	0.8	A
9066	34364.93	14 53S	13 31E	106.4	186.7	3.439	-23.80	45.9	S0312	.03070	6.7181	1.2	F
9067	34368.73	14 53S	13 31E	104.9	186.7	3.439	-23.10	45.9	S0312	.03070	6.8997	0.6	V
9068	34378.13	15 36S	14 4E	99.4	186.8	3.439	-1.75	45.6	S0312	.03070	7.2711	0.6	V
9069	34381.93	15 36S	14 4E	100.9	186.8	3.439	-1.05	45.6	S0312	.03070	7.0565	0.6	A
906 9001	38736.53	49 9N	4 27E	80.2	190.0	2.181	-23.80	61.6	S0312	.03070	9.0290	1.0	F
9002	38742.33	49 9N	4 27E	79.8	189.9	2.181	-23.10	61.6	S0312	.03070	9.1115	0.8	A
9003	38757.93	47 36N	4 53E	74.6	189.7	2.390	2.80	63.1	S0312	.03070	9.7305	0.8	F
9004	38763.13	47 37N	4 53E	74.8	189.6	2.390	3.50	63.1	S0312	.03070	9.6974	1.0	A
9005	38809.33	44 10N	4 43E	86.1	189.1	2.181	28.35	66.1	S0312	.03070	8.5503	0.8	V
9006	38812.53	44 10N	4 43E	87.5	189.1	2.181	28.70	66.1	S0312	.03070	8.2779	0.6	A
9007	38817.33	43 35N	4 58E	96.7	189.0	2.181	37.45	66.7	S0312	.01650	7.6094	0.6	V
9008	38820.93	43 35N	4 58E	98.4	189.0	1.826	38.15	66.7	S0312	.01650	7.3536	0.6	A
9009	38916.73	36 48N	2 56E	93.0	188.1	2.181	33.95	71.2	S0312	.01650	7.9065	0.6	V
9010	38920.13	36 48N	2 56E	94.7	188.1	2.181	34.30	71.2	S0312	.01650	7.6342	0.6	A
9011	38942.13	35 22N	1 29E	75.5	188.0	2.881	-1.05	71.3	S0312	.03070	9.5984	1.0	A
9012	39375.73	5 20N	4 1W	88.9	186.5	3.232	11.20	64.0	S0312	.03070	8.2037	0.4	V
9013	39378.93	5 21N	4 1W	90.5	186.5	3.232	11.90	64.0	S0312	.03070	7.9313	0.6	A
908 9001	50369.73	20 56S	54 44W	131.7	187.0	3.092	-40.60	39.9	S0312	.02200	5.4802	1.4	V
9002	50381.33	22 10S	53 19W	105.8	187.0	3.232	2.10	39.5	S0312	.03070	6.7511	2.6	F
9003	50394.33	22 37S	54 49W	124.5	187.1	3.232	-35.35	38.4	S0312	.03070	5.8020	0.8	V
9004	50400.13	22 37S	55 14W	139.3	187.1	3.232	-42.70	38.3	S0312	.02200	5.1418	1.4	A
9005	50409.13	23 56S	54 57W	123.3	187.1	3.092	-32.55	37.3	S0312	.03070	5.7608	0.6	F
9006	50417.73	24 2S	54 11W	108.7	187.1	3.439	-11.55	37.5	S0312	.03070	6.5365	1.0	A
9007	50451.33	26 49S	55 19W	119.4	187.3	3.232	-26.60	34.7	S0312	.03070	5.9423	0.8	F
9008	50455.73	27 6S	55 30W	122.5	187.3	3.232	-29.40	34.3	S0312	.03070	5.7855	0.8	F
9009	50464.33	27 20S	55 57W	132.3	187.4	3.092	-37.10	34.0	S0312	.03070	5.4389	1.4	V
9010	50471.93	27 53S	55 44W	123.0	187.4	3.232	-30.10	33.6	S0312	.03070	5.8350	0.8	V
9011	50478.13	28 36S	56 1W	128.4	187.4	3.092	-32.90	32.8	S0312	.03070	5.5214	1.4	F
9012	50481.93	28 32S	56 2W	127.5	187.4	3.092	-33.25	32.9	S0312	.03070	5.6370	0.6	V
9013	50493.33	29 11S	54 53W	112.0	187.5	3.092	-1.05	32.8	S0312	.03070	6.3220	0.6	A
9014	50503.53	29 46S	55 46W	118.2	187.5	3.232	-21.00	31.9	S0312	.03070	6.0001	0.4	A
9015	50508.73	30 21S	56 26W	129.0	187.5	3.092	-32.90	31.2	S0312	.03070	5.5709	0.8	V
9016	50518.93	30 52S	55 33W	113.7	187.6	3.232	-9.10	31.1	S0312	.03070	6.2312	0.4	A
9017	50531.93	32 20S	55 33W	113.9	187.7	3.092	-1.75	29.8	S0312	.03070	6.2477	0.8	F
9018	50539.93	32 48S	56 31W	121.7	187.7	3.092	-22.75	29.0	S0312	.03070	5.8268	0.6	F
9019	50556.13	33 18S	56 29W	119.8	187.8	3.232	-18.55	28.6	S0312	.03070	5.9093	1.4	A
9020	50562.33	34 19S	56 42W	120.1	187.9	3.092	-18.55	27.6	S0312	.03070	5.9011	0.4	F
9021	50569.53	34 51S	56 14W	116.1	187.9	2.881	-4.55	27.3	S0312	.04070	6.1156	1.0	F
9022	50574.13	34 53S	56 15W	115.0	187.9	2.881	-4.20	27.3	S0312	.04070	6.2312	0.6	V
9023	50582.13	35 19S	57 16W	124.9	188.0	3.092	-25.20	26.6	S0312	.03070	5.7360	1.2	V
9024	50586.93	35 19S	57 17W	126.5	188.0	3.092	-24.85	26.6	S0312	.03070	5.5957	1.0	A
9025	50600.53	36 50S	57 50W	131.3	188.1	2.881	-28.70	25.0	S0312	.03070	5.3811	1.4	F
9026	50605.53	36 51S	57 53W	130.6	188.1	2.881	-29.05	25.0	S0312	.03070	5.4802	0.6	V
9027	50612.73	37 43S	57 24W	121.4	188.2	2.881	-15.40	24.4	S0312	.04070	5.8268	0.4	F
9028	50617.13	37 43S	57 24W	120.2	188.2	2.881	-15.05	24.4	S0312	.04070	5.9506	0.4	V
9029	50621.73	38 1S	57 31W	120.8	188.3	2.881	-15.75	24.1	S0312	.05390	5.9258	0.6	V
9030	50626.33	38 1S	57 32W	122.5	188.3	3.092	-15.75	24.1	S0312	.04070	5.7690	0.6	A
909 9001	55299.93	4 35N	71 20W	92.7	186.5	3.587	-23.10	62.8	S0312	.03070	7.7662	0.8	A
9002	55319.53	2 57N	71 4W	87.0	186.5	3.439	-2.80	61.8	S0312	.03070	8.3687	1.0	V
9003	55323.33	2 55N	71 7W	88.2	186.5	3.439	-3.50	61.8	S0312	.03070	8.1476	1.0	A
9004	55342.13	1 14N	71 56W	94.9	186.5	3.439	-23.80	60.1	S0312	.03070	7.5599	1.0	F
9005	55361.13	0 21N	71 44W	90.5	186.5	3.587	-10.50	59.6	S0312	.03070	7.9396	0.6	A
9006	55368.93	0 23S	72 7W	93.0	186.5	3.587	-20.30	58.8	S0312	.03070	7.8075	1.0	V
9007	55380.53	1 3S	71 5W	100.6	186.5	2.738	22.75	58.9	S0312	.02200	7.0812	1.0	A
9008	55418.93	3 45S	73 18W	110.5	186.5	3.232	-37.10	55.6	S0312	.02200	6.5613	1.4	V
910 5001	60034.73	43 4N	83 35W	95.7	188.9	2.037	37.10	67.1	S0409	.04000	7.6762	3.0	V
9001	60034.73	43 4N	83 36W	95.6	188.9	2.037	37.10	67.1	S0312	.02200	7.6755	2.8	V
9002	60079.93	39 59N	86 5W	76.0	188.5	2.738	-12.60	68.5	S0312	.02200	9.5489	3.8	F
9003	60087.53	39 50N	86 7W	75.9	188.4	2.738	-11.90	68.6	S0312	.02200	9.5654	3.6	A
9004	60159.13	34 39N	86 42W	77.3	187.9	2.738	11.55	71.9	S0312	.03070	9.4994	0.4	V
9005	60161.93	34 39N	86 42W	78.4	187.9	2.738	11.90	71.9	S0312	.03070	9.2270	0.4	A
9006	60446.53	14 39N	90 31W	88.6	186.7	3.092	18.90	70.6	S0312	.03070	8.1954	0.4	F
9007	60449.53	14 40N	90 30W	88.2	186.7	2.881	19.95	70.6	S0312	.03070	8.2944	1.8	V
9008	60453.53	14 37N	90 31W	89.7	186.7	2.881	20.30	70.6	S0312	.02200	8.0221	1.0	A
911 5001	65493.73	32 16N	110 53W	97.2	187.7	2.390	-40.60	71.7	S0409	.04000	7.4203	2.8	F
9001	65493.53	32 17N	110 53W	97.2	187.7	2.390	-40.60	71.7	S0312	.01650	7.4196	3.0	F
914 9001	82557.33	45 9S	169 23E	132.5	189.3	2.037	13.65	17.7	S0312	.04070	5.2903	1.4	A
916 9001	5385.73	49 18N	142 57E	89.9	190.0	1.826	-35.70	61.4	S0312	.02200	8.0303	1.0	F
9002	5388.93	49 18N	142 56E	88.9	190.0	1.826	-35.70	61.4	S0312	.02200	8.2532	1.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
916 9003	5393.33	49 12N	143 3E	86.6	189.9	2.037	-32.55	61.5	SO312	.02200	8.4100	0.4	A
9004	5422.13	46 47N	142 46E	79.3	189.5	2.181	-22.40	63.5	SO312	.03070	9.1197	1.0	F
9005	5426.53	46 40N	142 52E	76.6	189.5	2.390	-18.55	63.7	SO312	.03070	9.5984	0.4	V
9006	5429.33	46 40N	142 52E	77.3	189.4	2.390	-18.20	63.7	SO312	.03070	9.4086	0.4	A
917 9001	11379.93	2 19N	111 50E	87.8	186.5	3.587	-7.35	61.2	SO312	.03070	8.3027	0.8	V
9002	11383.13	2 19N	111 50E	89.0	186.5	3.587	-7.00	61.2	SO312	.03070	8.0799	0.8	A
918 9001	15899.53	56 17N	101 30E	83.5	191.8	1.690	-28.35	55.6	SO312	.02200	8.6741	0.4	F
9002	15902.53	56 17N	101 30E	82.2	191.7	1.690	-28.00	55.6	SO312	.03070	8.9299	0.4	V
9003	15907.13	56 9N	101 39E	80.4	191.6	2.037	-23.80	55.8	SO312	.03070	9.0455	0.6	A
9004	16108.93	42 23N	97 5E	82.7	188.8	2.390	-28.70	66.7	SO312	.03070	8.8061	0.4	A
9005	16135.13	40 20N	97 2E	75.0	188.5	2.738	-15.05	68.3	SO312	.03070	9.7882	1.0	V
9006	16171.73	37 31N	97 23E	79.7	188.2	2.738	21.00	70.6	SO312	.03070	9.1445	1.0	F
9007	16177.53	37 30N	97 23E	80.3	188.2	2.530	22.05	70.6	SO312	.03070	9.0207	1.0	A
9008	16357.13	24 51N	93 57E	77.7	187.2	3.092	-2.80	73.7	SO312	.03070	9.3343	0.8	F
9009	16362.73	24 51N	93 57E	77.9	187.2	3.092	-1.75	73.7	SO312	.03070	9.2848	0.8	A
919 9001	21003.93	69 37N	90 21E	78.8	199.2	1.338	13.30	43.4	SO312	.04070	9.2105	0.8	F
9002	21006.93	69 36N	90 20E	77.9	199.0	1.135	13.65	43.4	SO312	.04070	9.4168	0.4	V
9003	21009.53	69 37N	90 21E	78.9	198.8	1.135	13.65	43.4	SO312	.04070	9.1858	1.0	A
9004	21051.33	66 41N	85 57E	77.5	196.6	1.338	-13.30	46.2	SO312	.04070	9.3508	0.8	F
9005	21056.73	66 42N	85 57E	77.3	196.4	1.338	-12.95	46.2	SO312	.04070	9.4003	1.0	A
9006	21174.93	58 21N	82 54E	86.3	192.5	1.690	29.05	54.1	SO312	.02200	8.5173	0.6	V
9007	21178.13	58 21N	82 53E	87.3	192.4	1.690	29.05	54.1	SO312	.02200	8.3027	0.6	A
9008	21288.93	50 30N	79 3E	79.6	190.3	2.390	18.55	61.0	SO312	.02200	9.1445	0.6	F
9009	21291.73	50 30N	79 3E	78.8	190.2	2.181	18.90	61.0	SO312	.02200	9.3343	0.6	V
9010	21297.73	50 9N	78 23E	73.9	190.2	2.390	3.85	61.1	SO312	.03070	9.9533	0.6	V
9011	21303.93	49 47N	77 47E	73.9	190.1	2.390	-9.80	61.3	SO312	.03070	9.9368	0.6	V
9012	21306.73	49 47N	77 47E	74.8	190.0	2.390	-9.45	61.3	SO312	.03070	9.7222	0.6	A
9013	21395.53	43 36N	75 14E	83.5	189.0	2.181	-30.45	65.8	SO312	.02200	8.7814	0.4	V
9014	21398.53	43 36N	75 14E	84.4	188.9	2.390	-30.45	65.8	SO312	.02200	8.6328	0.6	A
9015	21411.73	42 45N	74 41E	91.6	188.8	2.181	-37.80	66.3	SO312	.02200	7.9396	0.6	A
9016	21452.73	39 28N	76 1E	86.3	188.4	2.390	28.00	69.5	SO312	.03070	8.5090	0.6	V
9017	21455.93	39 28N	76 1E	87.8	188.4	2.181	28.70	69.5	SO312	.03070	8.2449	0.6	A
9018	21537.13	33 39N	73 6E	81.4	187.8	2.738	-24.15	71.7	SO312	.02200	8.8804	1.0	F
9019	21540.53	33 37N	73 4E	80.6	187.8	2.738	-24.15	71.7	SO312	.02200	9.1115	0.6	V
9020	21565.53	32 7N	72 38E	84.0	187.7	2.881	-27.30	72.2	SO312	.02200	8.6411	0.6	A
9021	21591.33	29 56N	73 54E	92.7	187.5	2.390	32.20	74.1	SO312	.02200	7.9148	0.6	V
9022	21594.73	29 57N	73 54E	94.3	187.5	2.390	32.55	74.1	SO312	.02200	7.6425	0.8	A
920 9001	26352.33	67 19N	63 31E	82.3	196.9	1.135	-25.55	45.5	SO312	.02200	8.9052	1.0	V
9002	26355.53	67 18N	63 29E	83.4	196.7	1.338	-25.90	45.6	SO312	.02200	8.7153	0.8	A
9003	26482.53	58 7N	60 26E	83.5	192.5	1.826	24.50	54.3	SO312	.03070	8.7318	1.6	F
9004	26487.93	57 58N	60 13E	80.6	192.3	1.826	21.70	54.5	SO312	.03070	9.1280	0.6	V
9005	26490.93	57 58N	60 13E	81.7	192.3	1.826	22.05	54.5	SO312	.03070	8.8804	1.2	A
9006	26495.53	57 26N	60 5E	82.4	192.2	1.826	24.50	54.9	SO312	.03070	8.9299	0.4	V
9007	26498.53	57 26N	60 6E	83.7	192.1	1.826	24.85	54.9	SO312	.03070	8.6741	0.4	A
9008	26587.33	51 25N	57 35E	85.0	190.4	1.826	26.95	60.3	SO312	.03070	8.5255	0.4	A
9009	26637.13	48 4N	54 11E	87.3	189.7	2.037	-34.30	62.4	SO312	.03070	8.4100	1.0	V
9010	26640.33	48 4N	54 11E	88.0	189.7	2.037	-33.95	62.4	SO312	.03070	8.2697	1.0	A
9011	26813.93	35 42N	51 22E	82.3	188.0	2.530	-26.60	70.7	SO312	.03070	8.7731	0.6	F
9012	26816.93	35 42N	51 21E	81.3	188.0	2.738	-26.60	70.7	SO312	.03070	9.0290	0.6	V
9013	26948.13	26 19N	50 40E	85.3	187.3	2.881	21.00	74.3	SO312	.03070	8.5420	1.4	F
9014	26954.93	26 17N	50 40E	86.2	187.2	2.738	22.05	74.3	SO312	.03070	8.3667	1.2	A
9015	27305.93	2 2N	45 21E	88.8	186.5	3.567	-11.55	60.9	SO312	.03070	8.2037	0.4	V
9016	27309.33	2 2N	45 21E	89.9	186.5	3.587	-10.85	60.9	SO312	.03070	7.9973	0.4	A
921 5001	31695.33	64 37N	39 50E	79.8	195.3	1.338	-20.65	48.1	SO409	.07180	9.0711	1.0	F
5002	31701.13	64 37N	39 49E	79.7	195.1	1.338	-20.30	48.1	SO409	.07180	9.1371	0.8	A
9001	31695.13	64 38N	39 50E	79.9	195.3	1.338	-20.65	48.1	SO312	.04070	9.0702	2.4	F
9002	31700.93	64 37N	39 50E	79.7	195.1	1.338	-20.30	48.1	SO312	.04070	9.1362	1.2	A
9003	31702.73	64 30N	39 45E	79.7	195.0	1.338	-20.30	48.2	SO312	.04070	9.1280	0.4	A
9004	31717.33	62 54N	40 53E	81.0	194.5	1.690	19.95	49.9	SO312	.04070	8.9794	0.6	F
9005	31720.13	62 55N	40 53E	80.2	194.4	1.690	20.30	49.9	SO312	.04070	9.1610	0.6	V
9006	31725.33	62 47N	40 31E	78.6	194.2	1.690	15.40	50.0	SO312	.04070	9.2270	0.8	A
9007	31791.53	58 4N	38 36E	87.1	192.4	1.690	30.10	54.4	SO312	.03070	8.4347	0.4	V
9008	31794.93	58 3N	38 35E	88.1	192.3	1.690	30.10	54.4	SO312	.03070	8.2202	0.4	A
9009	31809.73	56 45N	37 8E	77.2	192.0	2.037	12.95	55.5	SO312	.03070	9.4251	0.6	F
9010	31812.53	56 45N	37 7E	76.3	191.9	2.037	12.95	55.5	SO312	.04070	9.6314	0.6	V
9011	31819.13	55 58N	37 45E	91.1	191.8	1.826	32.90	56.3	SO312	.03070	8.0138	5.4	F
9012	31827.93	55 48N	37 50E	95.0	191.6	1.484	36.40	56.5	SO312	.03070	7.6012	4.4	A
9013	31843.13	54 32N	35 48E	74.7	191.3	2.181	3.50	57.4	SO312	.03070	9.7305	1.4	F
9014	31847.33	54 15N	35 42E	74.7	191.2	2.181	3.85	57.6	SO312	.03070	9.7222	1.2	F
9015	31850.73	54 12N	35 41E	73.9	191.1	2.181	4.20	57.7	SO312	.04070	9.9450	0.4	V
9016	31855.73	53 50N	35 49E	75.6	191.1	2.181	11.55	58.1	SO312	.03070	9.7222	0.6	V
9017	31858.53	53 50N	35 49E	76.6	191.0	2.181	11.90	58.1	SO312	.03070	9.4664	0.6	A
9018	31891.93	51 40N	33 56E	76.9	190.4	2.181	-17.15	59.7	SO312	.03070	9.4416	0.4	A
9019	32184.73	31 4N	29 41E	86.3	187.6	2.738	24.50	73.6	SO312	.01650	8.4347	0.4	F
9020	32187.73	31 4N	29 42E	86.1	187.6	2.530	25.55	73.6	SO312	.01650	8.5255	0.6	V
9021	32194.93	30 51N	28 58E	77.0	187.6	3.092	2.10	73.2	SO312	.03070	9.4003	0.4	A
9022	33125.13	33 0S	17 58E	127.5	187.7	2.181	23.80	29.5	SO312	.04070	5.6287	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
921 9023	33129.93	33 0S	17 58E	129.9	187.8	2.181	24.15	29.5	SO312	.04070	5.4224	0.4	A
922 9001	37132.93	55 43N	12 36E	87.6	191.6	1.484	-32.90	56.1	SO312	.03070	8.2449	0.4	F
9002	37136.13	55 42N	12 35E	86.7	191.5	1.690	-33.25	56.1	SO312	.03070	8.4678	0.4	V
9003	37139.33	55 42N	12 35E	87.4	191.5	1.690	-32.90	56.1	SO312	.03070	8.3357	0.4	A
9004	37151.53	54 22N	13 5E	75.3	191.2	2.037	-10.85	57.4	SO312	.04070	9.6314	0.4	F
9005	37154.13	54 23N	13 5E	74.4	191.2	2.037	-10.50	57.4	SO312	.04070	9.8790	0.4	V
9006	37159.93	54 3N	12 23E	79.8	191.1	1.826	-24.50	57.6	SO312	.03070	9.1940	0.4	V
9007	37162.93	54 2N	12 23E	80.6	191.0	2.037	-24.50	57.6	SO312	.03070	9.0207	0.4	A
9008	37173.33	52 45N	13 36E	79.8	190.8	2.181	18.90	59.1	SO312	.03070	9.1032	5.8	F
9009	37182.53	52 30N	13 48E	82.2	190.7	2.181	22.75	59.3	SO312	.03070	8.7979	3.6	A
9010	37193.53	51 40N	12 17E	73.5	190.5	2.181	-4.90	59.8	SO312	.03070	9.9946	0.6	V
9011	37196.33	51 40N	12 17E	74.4	190.5	2.181	-4.55	59.8	SO312	.03070	9.7635	0.4	A
9012	37200.53	51 13N	11 59E	73.9	190.4	2.181	-8.75	60.1	SO312	.03070	9.9450	0.4	V
9013	37203.33	51 12N	11 59E	74.7	190.3	2.181	-8.40	60.1	SO312	.03070	9.7305	0.4	A
924 9001	48639.93	5 27S	45 12W	112.5	186.5	3.587	-36.75	54.0	SO312	.02200	6.4128	1.4	A
9002	48853.33	20 32S	48 35W	142.1	186.9	2.738	-44.80	40.1	SO312	.02200	5.0015	1.4	F
9003	48861.93	20 49S	48 18W	128.0	187.0	3.092	-38.50	40.0	SO312	.03070	5.6452	0.8	V
9004	48874.53	21 53S	46 34W	109.5	187.0	2.881	14.35	39.8	SO312	.03070	6.5861	0.4	V
9005	48878.53	21 53S	46 34W	111.3	187.0	2.881	14.70	39.9	SO312	.03070	6.3715	0.6	A
9006	48887.53	22 24S	47 33W	107.2	187.1	3.439	-11.55	39.0	SO312	.03070	6.6356	1.0	A
9007	48902.93	23 15S	48 49W	131.4	187.1	3.232	-38.15	37.7	SO312	.03070	5.4472	1.2	A
925 9001	54160.33	20 12S	70 4W	122.3	187.0	3.439	-34.30	40.7	SO312	.02200	5.8433	1.4	A
9002	54335.13	32 53S	70 21W	128.6	187.7	2.390	24.50	29.6	SO312	.03070	5.5462	0.6	F
9003	54342.73	33 21S	70 47W	122.3	187.8	2.530	17.50	29.0	SO312	.03070	5.8350	1.0	F
9004	54347.93	33 26S	70 32W	126.8	187.8	2.181	23.80	29.1	SO312	.03070	5.6617	0.4	V
9005	54352.73	33 26S	70 32W	129.2	187.8	2.181	24.15	29.1	SO312	.03070	5.4554	0.4	A
9006	54424.33	38 42S	73 9W	119.9	188.3	2.881	-9.10	23.5	SO312	.04070	5.9176	1.0	F
9007	54428.13	38 39S	73 10W	119.0	188.3	2.881	-9.10	23.5	SO312	.04070	6.0166	1.0	V
9008	54434.73	39 25S	73 11W	120.0	188.4	2.881	-5.60	22.9	SO312	.04070	5.9093	0.6	F
9009	54439.53	39 44S	73 12W	120.2	188.4	2.881	-4.20	22.6	SO312	.04070	5.9011	0.4	F
9010	54446.13	39 36S	73 4W	120.8	188.5	2.738	-1.05	22.8	SO312	.03070	5.8350	1.4	A
9011	54449.73	40 8S	73 11W	119.4	188.5	2.738	-1.05	22.2	SO312	.04070	5.9919	0.6	V
9012	54454.93	40 30S	73 10W	120.0	188.6	2.738	1.40	21.9	SO312	.04070	5.9588	0.8	V
9013	54460.33	40 34S	73 3W	122.6	188.6	2.530	4.90	21.9	SO312	.04070	5.7443	1.0	A
9014	54464.73	41 27S	73 24W	121.8	188.6	2.738	1.05	21.0	SO312	.04070	5.8268	0.8	F
9015	54471.73	41 36S	73 35W	120.7	188.7	2.738	-1.40	20.8	SO312	.04070	5.9258	0.6	V
9016	54475.93	41 52S	73 47W	120.9	188.7	2.738	-4.20	20.5	SO312	.04070	5.9176	0.8	V
9017	54480.93	41 56S	73 32W	123.1	188.8	2.530	2.10	20.5	SO312	.04070	5.7195	1.0	A
9018	54486.53	42 36S	73 47W	121.6	188.8	2.530	0.35	19.9	SO312	.04070	5.8763	0.8	V
9019	54494.13	42 53S	72 41W	137.0	188.9	1.826	23.45	20.0	SO312	.04070	5.1170	1.0	A
926 5001	58529.13	43 14N	77 31W	88.5	188.9	2.181	31.15	66.9	SO409	.04000	8.3200	2.8	V
9001	58528.93	43 14N	77 31W	88.5	188.9	2.181	31.15	66.9	SO312	.02200	8.3192	3.0	V
9002	58819.73	23 6N	82 29W	88.3	187.1	2.881	23.80	74.1	SO312	.02200	8.2532	0.6	F
9003	58823.53	23 3N	82 25W	90.1	187.1	2.530	27.30	74.2	SO312	.02200	8.1459	0.6	V
9004	58826.93	23 3N	82 24W	91.9	187.1	2.530	28.00	74.2	SO312	.02200	7.8405	0.4	A
927 9001	64112.52	24 11N	104 31W	84.4	187.1	2.738	20.30	74.1	SO312	.03070	8.5420	1.4	A
931 9001	84695.72	67 51N	175 50W	85.7	197.4	1.135	25.20	45.2	SO312	.02200	8.4760	0.6	A
933 9001	9154.72	51 52N	128 10E	85.4	190.6	1.826	-30.80	59.4	SO312	.03070	8.4678	0.4	F
9002	9155.72	51 48N	128 9E	85.4	190.6	1.826	-30.80	59.5	SO312	.03070	8.4678	0.6	F
9003	9158.72	51 48N	128 9E	84.1	190.5	1.826	-30.45	59.5	SO312	.03070	8.7236	0.6	V
9004	9162.32	51 33N	128 11E	82.1	190.4	2.037	-28.00	59.7	SO312	.03070	8.9547	0.4	V
9005	9164.72	51 23N	128 8E	81.9	190.4	2.037	-27.65	59.8	SO312	.03070	8.9794	0.6	V
9006	9167.72	51 23N	128 8E	82.6	190.4	2.037	-27.30	59.8	SO312	.03070	8.8226	0.6	A
9007	9169.72	51 15N	128 6E	82.6	190.3	2.037	-27.30	60.0	SO312	.03070	8.8226	0.6	A
9008	9175.72	50 47N	128 16E	78.1	190.2	2.181	-19.60	60.4	SO312	.03070	9.3096	0.4	A
9009	9271.52	44 1N	126 25E	75.4	189.0	2.530	-14.70	65.8	SO312	.02200	9.7387	0.6	V
9010	9274.32	44 1N	126 24E	76.2	189.0	2.530	-14.35	65.8	SO312	.02200	9.5406	0.6	A
9011	9281.92	43 31N	126 9E	77.5	188.9	2.530	-18.20	66.1	SO312	.02200	9.3838	1.0	A
9012	9288.12	42 42N	126 5E	76.2	188.9	2.530	-14.00	66.7	SO312	.03070	9.5076	1.4	F
9013	9293.72	42 42N	125 59E	76.9	188.8	2.530	-16.45	66.7	SO312	.02200	9.4499	0.4	A
9014	9298.92	42 24N	125 28E	83.9	188.8	2.390	-29.40	66.7	SO312	.02200	8.6741	0.6	A
9015	9696.32	14 31N	120 55E	87.5	186.7	3.092	17.15	70.4	SO312	.03070	8.3109	0.6	F
9016	9699.52	14 30N	120 55E	86.8	186.7	3.092	17.50	70.4	SO312	.03070	8.4347	0.4	V
9017	9827.72	5 49N	118 12E	93.5	186.5	3.439	-26.95	63.6	SO312	.03070	7.8075	0.6	V
9018	9831.12	5 49N	118 12E	94.3	186.5	3.439	-26.25	63.6	SO312	.02200	7.6672	0.6	A
934 5001	14485.72	50 25N	106 24E	74.7	190.2	2.181	-9.45	60.8	SO409	.07180	9.7231	0.4	F
5002	14488.32	50 25N	106 24E	73.8	190.2	2.181	-9.10	60.8	SO409	.07180	9.9543	0.4	V
5003	14491.92	50 21N	106 25E	74.5	190.2	2.390	-8.05	60.9	SO409	.05370	9.7562	0.4	A
5004	14664.92	38 10N	102 43E	77.0	188.3	2.738	-17.50	69.6	SO409	.05370	9.4177	0.4	F
5005	14667.72	38 9N	102 43E	76.0	188.3	2.738	-16.80	69.6	SO409	.05370	9.6736	0.4	V
5006	14687.52	36 38N	102 10E	79.2	188.1	2.530	-23.80	70.3	SO409	.05370	9.1454	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
934 5007	14690.32	36 38N	102 10E	78.2	188.1	2.738	-23.80	70.3	SO409	.05370	9.3847	0.4	V
5008	14841.12	26 2N	100 7E	79.0	187.2	3.092	-16.80	73.4	SO409	.05370	9.1701	0.4	F
5009	14846.92	26 2N	100 7E	79.0	187.2	3.232	-16.10	73.4	SO409	.05370	9.1949	0.4	A
9001	14465.52	51 52N	107 45E	76.6	190.6	2.181	14.00	59.8	SO312	.03070	9.6067	0.4	V
9002	14468.32	51 52N	107 45E	77.6	190.5	2.181	14.35	59.8	SO312	.03070	9.3508	0.6	A
9003	14491.32	50 23N	106 26E	74.5	190.2	2.390	-8.05	60.9	SO312	.03070	9.7552	0.4	A
9004	14519.92	47 59N	106 25E	77.3	189.8	2.390	14.70	63.1	SO312	.02200	9.4168	0.6	F
9005	14522.72	47 58N	106 25E	76.5	189.7	2.390	15.05	63.1	SO312	.02200	9.6067	0.6	V
9006	14664.92	38 9N	102 43E	77.1	188.3	2.738	-17.50	69.6	SO312	.03070	9.4168	0.4	F
9007	14670.32	37 58N	102 41E	76.0	188.2	2.738	-16.80	69.7	SO312	.03070	9.6644	0.6	V
9008	14674.32	37 41N	102 44E	74.6	188.2	2.738	-12.60	70.0	SO312	.03070	9.8460	0.6	V
9009	14677.12	37 41N	102 44E	75.4	188.2	2.738	-12.25	70.0	SO312	.03070	9.6314	0.6	A
9010	14687.52	36 37N	102 10E	79.2	188.1	2.530	-23.80	70.3	SO312	.03070	9.1445	0.4	F
9011	14697.92	36 12N	102 47E	74.8	188.0	2.881	2.45	71.0	SO312	.03070	9.6974	0.6	A
9012	14831.32	26 43N	100 2E	81.9	187.3	2.881	-24.50	73.2	SO312	.03070	8.8309	0.6	F
9013	14857.92	24 54N	99 28E	88.2	187.2	2.881	-31.50	73.0	SO312	.02200	8.1789	0.4	F
9014	14863.92	24 53N	99 39E	83.3	187.2	3.092	-24.50	73.2	SO312	.03070	8.7153	1.6	A
935 5001	19764.52	52 32N	85 3E	75.0	190.7	2.181	-8.75	59.1	SO409	.05370	9.6654	0.4	F
5002	19769.72	52 33N	85 4E	74.9	190.7	2.181	-7.70	59.1	SO409	.05370	9.6984	0.6	A
5003	19989.92	37 9N	79 55E	85.0	188.2	2.390	-30.80	69.9	SO409	.05370	8.5098	0.6	F
5004	19992.92	37 9N	79 55E	83.9	188.1	2.390	-30.45	69.9	SO409	.05370	8.7574	0.6	V
9001	19701.72	56 53N	85 40E	87.7	191.9	1.484	-32.55	55.1	SO312	.03070	8.2367	0.6	F
9002	19704.92	56 52N	85 38E	86.8	191.9	1.690	-32.90	55.1	SO312	.03070	8.4678	1.0	V
9003	19708.12	56 53N	85 37E	87.8	191.8	1.690	-32.90	55.1	SO312	.03070	8.2944	1.0	A
9004	19747.32	53 44N	86 46E	82.0	191.0	2.037	23.80	58.3	SO312	.02200	8.9629	0.8	V
9005	19750.32	53 44N	86 45E	83.1	191.0	1.826	24.15	58.3	SO312	.02200	8.7318	0.8	A
9006	19764.32	52 33N	85 3E	75.0	190.7	2.181	-8.75	59.1	SO312	.03070	9.6644	1.4	F
9007	19769.72	52 32N	85 4E	74.9	190.7	2.181	-7.70	59.1	SO312	.03070	9.6974	1.4	A
9008	19897.92	43 39N	81 42E	79.9	189.0	2.390	-25.20	65.9	SO312	.02200	9.1858	0.6	V
9009	19900.92	43 39N	81 42E	80.7	188.9	2.390	-24.85	65.9	SO312	.02200	9.0207	0.4	A
9010	19989.92	37 9N	79 55E	85.1	188.2	2.390	-30.80	69.9	SO312	.03070	8.5090	0.4	F
9011	19992.92	37 9N	79 55E	83.9	188.1	2.390	-30.45	69.9	SO312	.03070	8.7566	0.4	V
9012	20134.52	27 11N	78 2E	82.9	187.3	2.881	-23.45	73.2	SO312	.03070	8.7071	1.0	F
9013	20140.52	27 11N	78 1E	82.6	187.3	3.092	-22.75	73.2	SO312	.03070	8.7814	1.0	A
936 5001	25004.72	57 7N	65 42E	77.8	192.1	2.037	13.65	55.2	SO409	.07180	9.3435	0.6	F
5002	25007.52	57 7N	65 42E	77.1	192.0	2.037	14.00	55.2	SO409	.07180	9.5333	0.6	V
5003	25011.12	56 53N	65 34E	76.9	191.9	2.037	13.65	55.4	SO409	.07180	9.5581	0.6	V
5004	25013.92	56 53N	65 35E	78.0	191.9	2.037	14.00	55.4	SO409	.07180	9.3187	0.6	A
5005	25024.12	56 10N	63 39E	80.4	191.7	1.826	-24.85	55.8	SO409	.07180	9.1206	0.4	V
5006	25026.92	56 11N	63 39E	81.2	191.6	1.826	-24.50	55.8	SO409	.07180	8.9638	0.6	A
5007	25065.72	53 14N	63 34E	73.9	190.9	2.181	1.75	58.6	SO409	.07180	9.9460	0.6	V
5008	25068.52	53 13N	63 34E	74.8	190.8	2.181	2.10	58.6	SO409	.07180	9.7231	0.6	A
5009	25156.12	46 52N	61 37E	76.0	189.6	2.530	8.40	63.9	SO409	.07180	9.5746	0.8	F
5010	25161.52	46 52N	61 37E	76.4	189.5	2.390	9.45	63.9	SO409	.07180	9.5085	0.8	A
5011	25287.92	37 55N	58 23E	78.2	188.3	2.738	-18.55	69.7	SO409	.05370	9.2609	0.6	F
5012	25290.72	37 55N	58 23E	77.2	188.2	2.738	-18.20	69.7	SO409	.05370	9.5085	0.4	V
9001	24996.52	57 42N	65 41E	75.9	192.3	2.037	7.00	54.7	SO312	.04070	9.5737	0.4	F
9002	24999.12	57 43N	65 42E	75.1	192.2	2.037	7.35	54.7	SO312	.04070	9.7882	0.6	V
9003	25004.72	57 7N	65 42E	77.9	192.1	2.037	13.65	55.2	SO312	.03070	9.3426	0.6	F
9004	25007.52	57 7N	65 42E	77.1	192.0	2.037	14.00	55.2	SO312	.04070	9.5324	0.6	V
9005	25023.92	56 11N	63 39E	80.4	191.7	1.826	-24.85	55.8	SO312	.03070	9.1197	0.6	V
9006	25028.12	56 6N	63 37E	81.1	191.6	1.826	-24.50	55.9	SO312	.03070	8.9547	0.6	A
9007	25080.72	51 51N	64 14E	89.0	190.6	2.181	30.45	60.0	SO312	.03070	8.2037	1.0	F
9008	25083.92	51 51N	64 14E	88.3	190.6	2.181	30.80	60.0	SO312	.03070	8.3440	1.0	V
9009	25287.92	37 54N	58 23E	78.2	188.3	2.738	-18.55	69.7	SO312	.03070	9.2600	0.4	F
9010	25290.72	37 54N	58 23E	77.2	188.2	2.738	-18.20	69.7	SO312	.03070	9.5076	0.4	V
9011	25297.32	37 25N	58 32E	74.2	188.2	2.881	-9.10	70.2	SO312	.03070	9.9038	0.6	V
9012	25300.12	37 25N	58 32E	75.0	188.2	2.881	-8.75	70.2	SO312	.03070	9.6727	0.6	A
937 5001	30070.32	73 25N	54 54E	80.3	203.4	0.787	-16.45	39.7	SO409	.07180	9.0133	0.8	F
5002	30075.92	73 26N	54 54E	80.3	202.8	0.995	-16.45	39.7	SO409	.07180	9.0628	1.0	A
5003	30098.92	71 35N	52 26E	80.0	201.0	0.995	-16.80	41.5	SO409	.07180	9.0546	1.0	F
5004	30104.72	71 34N	52 26E	79.9	200.6	0.995	-16.45	41.5	SO409	.07180	9.1041	1.0	A
5005	30271.92	60 24N	44 17E	75.4	193.1	1.826	-7.00	52.1	SO409	.07180	9.6489	0.4	A
5006	30295.12	58 24N	43 50E	75.5	192.5	2.037	5.25	54.0	SO409	.07180	9.6241	0.6	F
5007	30297.92	58 24N	43 50E	74.7	192.5	1.826	5.60	54.0	SO409	.07180	9.8387	0.6	V
5008	30309.32	57 32N	42 39E	76.2	192.2	1.826	-12.95	54.7	SO409	.07180	9.5085	0.6	F
5009	30314.72	57 32N	42 39E	76.2	192.1	2.037	-12.60	54.7	SO409	.07180	9.5581	0.8	A
5010	30322.92	56 40N	43 26E	77.6	191.9	2.037	15.40	55.7	SO409	.07180	9.4755	0.6	V
5011	30325.72	56 40N	43 26E	78.7	191.8	2.037	15.75	55.7	SO409	.07180	9.2362	0.6	A
5012	30331.32	56 18N	43 4E	76.7	191.7	2.037	10.85	55.9	SO409	.07180	9.4673	0.6	A
5013	30335.52	56 0N	43 6E	78.3	191.6	2.037	15.05	56.2	SO409	.07180	9.2774	0.6	A
5014	30342.72	55 37N	42 1E	75.1	191.5	2.037	-8.05	56.4	SO409	.07180	9.6901	0.6	A
5015	30367.72	53 29N	41 46E	75.6	191.0	2.181	7.35	58.4	SO409	.07180	9.6241	1.0	F
5016	30373.12	53 29N	41 45E	75.8	190.9	2.181	7.70	58.4	SO409	.07180	9.5993	1.0	A
5017	30380.52	52 47N	41 38E	75.9	190.8	2.181	11.55	59.0	SO409	.07180	9.6901	0.8	V
5018	30384.52	52 30N	41 30E	75.6	190.7	2.181	10.50	59.3	SO409	.07180	9.7314	0.6	V
5019	30387.32	52 30N	41 30E	76.6	190.7	2.181	10.85	59.3	SO409	.07180	9.4920	0.6	A
5020	30402.72	51 6N	40 51E	75.4	190.4	2.390	6.65	60.4	SO409	.07180	9.6489	1.0	F
5021	30408.32	51 5N	40 51E	75.7	190.3	2.390	7.35	60.4	SO409	.07180	9.6076	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
937 5022	30435.32	48 59N	39 8E	79.2	189.9	2.181	-22.05	61.9	S0409	.05370	9.1371	0.6	F
5023	30438.12	48 59N	39 8E	78.2	189.9	2.181	-21.70	61.9	S0409	.07180	9.3847	0.6	V
5024	30459.92	47 22N	39 47E	76.3	189.6	2.390	12.60	63.5	S0409	.07180	9.6241	0.4	V
5025	30462.72	47 22N	39 47E	77.4	189.6	2.390	12.95	63.5	S0409	.07180	9.3765	0.4	A
5026	30468.72	46 34N	39 34E	77.4	189.5	2.530	12.95	64.2	S0409	.07180	9.4012	0.8	F
5027	30474.32	46 34N	39 33E	77.8	189.4	2.390	13.65	64.2	S0409	.05370	9.3352	0.8	A
5028	30489.92	45 26N	38 10E	77.2	189.3	2.390	-19.25	64.7	S0409	.07180	9.5085	0.4	V
5029	30492.72	45 26N	38 10E	78.0	189.2	2.390	-18.90	64.7	S0409	.05370	9.3352	0.6	A
5030	30552.72	41 1N	37 53E	76.3	188.6	2.738	10.85	68.2	S0409	.07180	9.6241	0.6	V
5031	30555.72	41 1N	37 53E	77.5	188.6	2.530	11.55	68.3	S0409	.07180	9.3682	0.4	A
5032	30621.92	36 13N	37 14E	87.3	188.1	2.530	28.35	71.5	S0409	.03080	8.4273	0.8	V
5033	30625.12	36 13N	37 14E	88.8	188.0	2.530	28.70	71.5	S0409	.03080	8.1631	0.8	A
5034	30635.72	35 5N	36 47E	83.9	188.0	2.738	22.75	72.0	S0409	.05370	8.6831	0.6	F
5035	30638.72	35 5N	36 47E	83.4	188.0	2.530	23.45	72.0	S0409	.05370	8.8152	0.6	V
5036	30643.72	34 44N	36 43E	83.7	187.9	2.530	23.80	72.2	S0409	.05370	8.7822	0.6	V
5037	30646.72	34 45N	36 43E	85.0	187.9	2.530	24.15	72.2	S0409	.05370	8.5181	0.6	A
5038	30655.92	33 39N	36 46E	92.2	187.8	2.530	31.85	72.9	S0409	.03080	7.9155	0.8	F
5039	30659.12	33 39N	36 46E	91.6	187.8	2.530	32.20	72.9	S0409	.03080	8.0228	0.8	V
5040	30666.52	33 13N	35 58E	76.9	187.8	2.881	10.50	72.6	S0409	.05370	9.5498	0.6	V
5041	30669.52	33 12N	35 58E	78.0	187.8	2.881	10.85	72.6	S0409	.05370	9.2939	0.4	A
5042	30686.12	31 46N	34 43E	82.1	187.7	2.881	-24.15	72.4	S0409	.05370	8.7987	0.8	F
5043	30689.12	31 46N	34 43E	81.1	187.6	2.881	-23.80	72.4	S0409	.05370	9.0298	0.8	V
5044	30707.72	30 26N	34 55E	75.9	187.5	3.092	-6.65	73.1	S0409	.05370	9.6654	0.4	V
5045	30710.52	30 26N	34 54E	76.9	187.5	3.092	-6.30	73.1	S0409	.05370	9.4343	0.4	A
5046	30743.12	28 0N	34 24E	76.7	187.4	3.092	-6.65	73.5	S0409	.04000	9.5581	0.6	V
5047	30745.92	28 0N	34 24E	77.7	187.4	3.092	-6.30	73.6	S0409	.04000	9.3352	0.6	A
5048	31172.92	1 56S	30 4E	110.6	186.5	2.738	31.85	58.3	S0409	.04000	6.5454	0.4	F
5049	31176.72	1 55S	30 4E	110.3	186.5	2.530	32.55	58.3	S0409	.04000	6.5949	0.6	V
5050	31186.52	2 28S	28 52E	90.9	186.5	3.439	-4.90	57.2	S0409	.05370	7.9981	0.8	V
5051	31189.92	2 28S	28 51E	92.2	186.5	3.439	-4.55	57.2	S0409	.05370	7.7835	0.8	A
5052	31264.72	7 53S	28 33E	100.5	186.6	3.092	17.15	52.7	S0409	.05370	7.2139	1.0	V
5053	31268.52	7 53S	28 33E	102.3	186.6	2.881	17.85	52.7	S0409	.05370	6.9746	1.0	A
9001	30489.92	45 25N	38 10E	77.2	189.3	2.390	-19.25	64.7	S0312	.03070	9.5076	0.4	V
9002	30618.72	36 13N	37 14E	87.9	188.1	2.530	28.00	71.5	S0312	.01650	8.3027	0.8	F
9003	30621.72	36 13N	37 14E	87.3	188.1	2.530	28.35	71.5	S0312	.01650	8.4265	1.0	V
9004	30655.72	33 39N	36 46E	92.2	187.8	2.530	31.85	72.9	S0312	.01650	7.9148	1.0	F
9005	30658.92	33 39N	36 46E	91.6	187.8	2.530	32.20	72.9	S0312	.01650	8.0221	1.0	V
9006	30679.52	32 13N	34 49E	81.9	187.7	2.881	-23.80	72.2	S0312	.03070	8.8226	0.6	F
9007	30682.32	32 14N	34 49E	80.8	187.7	2.881	-23.45	72.2	S0312	.03070	9.0702	0.8	V
9008	30696.12	31 2N	35 9E	76.4	187.6	3.092	-2.80	73.0	S0312	.03070	9.4994	0.6	F
9009	30701.52	31 2N	35 9E	76.6	187.6	3.092	-1.75	73.1	S0312	.03070	9.4581	0.8	A
9010	30707.72	30 26N	34 54E	75.9	187.5	3.092	-6.65	73.1	S0312	.03070	9.6644	0.4	V
9011	30710.52	30 26N	34 54E	76.8	187.5	3.092	-6.30	73.1	S0312	.03070	9.4334	0.4	A
9012	30716.92	29 35N	34 58E	77.3	187.5	3.092	2.10	73.5	S0312	.04070	9.3921	1.2	F
9013	30722.32	29 36N	34 58E	77.5	187.5	3.092	2.80	73.5	S0312	.04070	9.3261	1.2	A
9014	30802.32	24 0N	32 50E	90.7	187.1	2.881	-33.60	72.8	S0312	.01650	8.0551	1.0	V
9015	30805.72	24 0N	32 50E	91.4	187.1	3.092	-33.25	72.8	S0312	.01650	7.9478	1.0	A
938 5001	35437.92	69 25N	31 1E	85.3	198.9	1.338	25.90	43.7	S0409	.05370	8.6089	0.6	V
5002	35441.12	69 25N	31 1E	86.5	198.7	1.135	26.25	43.7	S0409	.05370	8.4108	0.6	A
5003	35655.32	54 51N	20 21E	76.7	191.4	2.037	11.20	57.2	S0409	.07180	9.4838	0.4	F
5004	35657.92	54 52N	20 21E	76.0	191.3	2.037	11.55	57.2	S0409	.07180	9.6736	0.6	V
5005	35661.72	54 36N	20 13E	75.8	191.3	2.037	10.85	57.4	S0409	.07180	9.6984	0.4	V
5006	35664.52	54 36N	20 13E	76.8	191.2	2.037	11.20	57.4	S0409	.07180	9.4590	0.4	A
5007	35700.72	52 15N	18 17E	77.1	190.6	2.037	-16.45	59.2	S0409	.07180	9.4508	1.0	A
5008	35705.32	51 45N	18 6E	76.2	190.5	2.037	-16.80	59.7	S0409	.07180	9.6406	0.6	V
5009	35708.12	51 45N	18 6E	77.0	190.5	2.037	-16.45	59.7	S0409	.07180	9.4590	0.6	A
5010	35734.12	49 37N	17 15E	78.6	190.1	2.037	-20.65	61.4	S0409	.07180	9.2197	0.4	F
5011	35736.92	49 37N	17 16E	77.5	190.0	2.037	-20.30	61.4	S0409	.07180	9.4673	0.4	V
5012	35781.52	46 29N	17 1E	73.8	189.5	2.390	1.05	64.1	S0409	.07180	9.9543	0.4	V
5013	35784.32	46 29N	17 1E	74.8	189.4	2.390	1.40	64.1	S0409	.07180	9.7231	0.4	A
5014	35792.12	45 49N	16 14E	76.3	189.3	2.390	-17.15	64.4	S0409	.07180	9.6241	0.4	V
5015	35794.92	45 49N	16 14E	77.1	189.3	2.390	-16.80	64.4	S0409	.07180	9.4343	0.4	A
5016	35803.52	44 52N	15 48E	79.4	189.2	2.390	-22.40	65.1	S0409	.05370	9.1206	0.8	F
5017	35809.12	44 52N	15 48E	79.2	189.1	2.390	-21.70	65.1	S0409	.05370	9.1949	1.0	A
5018	35976.72	32 57N	13 17E	76.6	187.8	2.738	-8.75	72.3	S0409	.05370	9.4755	1.4	F
5019	35985.12	32 45N	13 13E	76.8	187.7	3.092	-9.10	72.4	S0409	.05370	9.4343	4.6	A
9001	35605.72	58 20N	22 20E	79.8	192.5	1.690	19.95	54.2	S0312	.03070	9.2023	0.6	V
9002	35608.72	58 20N	22 20E	81.0	192.4	1.690	20.30	54.2	S0312	.03070	8.9547	0.6	A
9003	35617.72	57 23N	21 31E	77.2	192.2	2.037	11.90	55.0	S0312	.03070	9.4168	0.6	F
9004	35620.52	57 23N	21 31E	76.4	192.1	2.037	12.25	55.0	S0312	.04070	9.6149	0.6	V
9005	35628.92	56 44N	21 57E	85.5	191.9	1.826	28.00	55.7	S0312	.03070	8.6081	0.6	V
9006	35632.12	56 43N	21 57E	86.8	191.9	1.826	28.35	55.7	S0312	.03070	8.3522	0.6	A
9007	35635.52	56 30N	21 52E	87.1	191.8	1.826	28.70	55.9	S0312	.03070	8.3274	0.6	A
9008	35641.32	55 44N	21 8E	81.0	191.7	2.037	20.30	56.5	S0312	.03070	8.9877	0.4	F
9009	35644.12	55 45N	21 7E	80.0	191.6	2.037	20.30	56.5	S0312	.03070	9.1858	0.8	V
9010	35647.12	55 45N	21 7E	81.0	191.5	1.826	20.65	56.5	S0312	.04070	8.9464	0.8	A
9011	35671.32	54 12N	19 26E	74.7	191.1	2.037	-5.25	57.7	S0312	.03070	9.7222	0.6	A
9012	35679.32	53 32N	18 38E	77.4	190.9	2.037	-19.60	58.1	S0312	.03070	9.4829	0.6	V
9013	35685.52	53 10N	17 56E	85.7	190.8	1.826	-32.20	58.3	S0312	.03070	8.5833	0.4	V
9014	35688.52	53 11N	17 56E	86.5	190.8	2.037	-32.20	58.3	S0312	.03070	8.4100	0.4	A
9015	35716.12	50 51N	17 26E	82.0	190.3	2.037	-26.60	60.3	S0312	.03070	8.8226	0.6	F
9016	35718.92	50 52N	17 25E	81.1	190.3	2.037	-26.60	60.3	S0312	.03070	9.0537	0.6	V
9017	35724.12	50 18N	17 20E	80.6	190.2	2.037	-24.50	60.8	S0312	.03070	8.9877	0.8	F
9018	35729.72	50 19N	17 20E	80.2	190.1	2.037	-23.80	60.8	S0312	.03070	9.0702	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
938 9019	35745.52	48 54N	18 4E	75.3	189.9	2.390	9.80	62.3	SO312	.03070	9.7552	0.6	V
9020	35748.32	48 54N	18 4E	76.3	189.9	2.390	10.15	62.3	SO312	.03070	9.4994	0.6	A
9021	35754.52	48 18N	17 45E	74.4	189.8	2.390	5.95	62.7	SO312	.03070	9.8708	0.6	V
9022	35757.32	48 18N	17 45E	75.4	189.8	2.390	6.30	62.7	SO312	.03070	9.6149	0.6	A
9023	35763.92	47 22N	18 12E	85.0	189.7	2.181	26.25	63.7	SO312	.03070	8.5833	0.6	F
9024	35766.92	47 22N	18 12E	84.3	189.6	2.181	26.60	63.7	SO312	.03070	8.7236	0.6	V
9025	35772.12	47 4N	17 44E	78.1	189.6	2.390	17.15	63.8	SO312	.03070	9.4003	0.4	V
9026	35775.12	47 3N	17 44E	79.3	189.5	2.181	17.85	63.9	SO312	.03070	9.1362	0.4	A
9027	35980.52	32 52N	13 15E	75.9	187.7	2.738	-9.10	72.3	SO312	.03070	9.6644	0.4	V
9028	35983.32	32 52N	13 15E	76.8	187.7	3.092	-9.10	72.3	SO312	.03070	9.4416	0.4	A
9029	35985.12	32 45N	13 13E	76.8	187.7	3.092	-9.10	72.4	SO312	.02200	9.4334	4.6	A
939 9001	40951.52	55 59N	3 9W	86.2	191.6	1.690	-32.55	55.9	SO312	.03070	8.5090	0.8	V
9002	40954.72	55 59N	3 10W	87.2	191.5	1.690	-32.55	55.9	SO312	.03070	8.3357	0.8	A
940 9001	47199.72	8 31S	37 40W	108.7	186.6	2.530	25.20	52.3	SO312	.02200	6.5448	0.8	A
9002	47257.32	12 30S	40 18W	116.5	186.7	3.092	-35.70	47.7	SO312	.02200	6.2147	1.2	V
941 5001	52421.72	3 7S	59 59W	94.1	186.5	3.587	-16.10	56.4	SO409	.05370	7.6349	0.6	F
5002	52482.52	33 45S	66 38W	128.8	187.9	3.232	-28.00	27.9	SO409	.05370	5.5136	0.6	A
9001	52276.52	6 50N	58 9W	87.0	186.6	3.587	-12.95	64.6	SO312	.03070	8.2862	0.6	F
9002	52279.52	6 51N	58 9W	86.2	186.6	3.587	-12.95	64.6	SO312	.03070	8.4678	0.8	V
9003	52284.12	6 32N	58 15W	86.8	186.5	3.587	-14.35	64.3	SO312	.03070	8.4017	1.0	V
9004	52291.52	6 1N	58 15W	86.2	186.5	3.587	-11.20	64.0	SO312	.03070	8.4512	1.4	V
9005	52421.52	3 7S	59 59W	94.1	186.5	3.587	-16.10	56.4	3414	.01220	7.6342	1.2	F
9006	52427.12	3 1S	60 2W	95.1	186.5	3.587	-17.50	56.5	3414	.00900	7.5517	0.8	A
9007	52620.92	16 20S	60 57W	120.2	186.8	2.530	29.05	45.2	3414	.01220	5.9011	1.4	A
9008	52640.72	17 29S	63 6W	114.3	186.8	3.439	-29.05	43.2	3414	.01220	6.2477	1.4	A
942 5001	57088.32	40 52N	74 7W	88.2	188.6	2.037	-33.60	67.7	SO409	.04000	8.2044	3.0	F
5002	57367.32	21 36N	77 14W	79.4	187.0	3.232	0.35	73.2	SO409	.07180	9.1454	0.8	F
5003	57671.92	1 3N	79 36W	126.0	186.5	1.826	42.00	61.1	SO409	.04000	5.6787	1.6	A
5004	57696.92	0 55S	80 41W	99.0	186.5	2.738	22.05	58.9	SO409	.05370	7.3542	0.8	V
5005	57733.52	3 30S	80 23W	126.2	186.5	2.037	40.95	57.1	SO409	.04000	5.7530	1.2	V
5006	57740.32	3 38S	80 40W	118.5	186.5	2.181	35.70	56.9	SO409	.05370	6.0336	0.6	A
9001	57088.32	40 52N	74 7W	88.3	188.6	2.037	-33.60	67.7	3414	.00900	8.2037	3.0	F
9002	57372.52	21 38N	77 13W	79.9	187.0	3.232	2.10	73.2	3414	.01220	9.0537	1.8	A
9003	57384.52	20 50N	77 35W	80.0	186.9	3.439	-7.35	72.8	3414	.01220	9.0372	2.6	A
9004	57690.92	0 32S	80 23W	105.3	186.5	2.738	28.70	59.4	3414	.01220	6.9079	1.6	V
9005	57701.52	0 59S	80 28W	107.3	186.5	2.530	29.05	59.0	3414	.01220	6.6603	1.2	A
943 5001	62413.32	39 16N	94 29W	91.6	188.4	2.390	32.20	69.8	SO409	.04000	7.9650	3.0	F
5002	62556.72	29 38N	98 27W	83.8	187.5	2.881	-26.25	72.9	SO409	.04000	8.6171	3.6	F
5003	62564.12	29 32N	98 28W	83.6	187.5	3.092	-25.55	72.9	SO409	.04000	8.6996	3.8	A
5004	62684.52	20 45N	99 22W	79.6	187.0	3.232	5.95	73.0	SO409	.05370	9.1206	0.4	F
5005	62687.32	20 46N	99 22W	79.0	187.0	3.232	6.30	73.0	SO409	.05370	9.2774	0.4	V
9001	62328.12	45 9N	93 13W	82.0	189.3	2.390	22.05	65.4	3414	.01220	8.8804	3.8	F
9002	62335.72	45 2N	93 15W	82.6	189.2	2.181	23.10	65.5	3414	.01220	8.7649	3.8	A
9003	62413.32	39 15N	94 29W	91.6	188.4	2.390	32.20	69.8	3414	.00900	7.9643	3.0	F
9004	62556.52	29 38N	98 27W	83.9	187.5	2.881	-26.25	72.9	3414	.00900	8.6163	3.8	F
9005	62564.12	29 32N	98 28W	83.5	187.5	3.092	-25.55	72.9	3414	.00900	8.6988	3.6	A
944 5001	67794.72	34 15N	118 10W	83.7	187.9	2.530	23.45	72.4	SO409	.04000	8.7657	7.8	V
9001	67794.52	34 15N	118 10W	83.7	187.9	2.530	23.45	72.4	3414	.00900	8.7649	7.8	V
948 5001	2358.52	52 58N	158 46E	79.0	190.8	2.181	18.90	59.0	SO409	.07180	9.3104	0.4	V
5002	2361.32	52 58N	158 46E	80.2	190.8	2.181	19.25	59.0	SO409	.07180	9.0711	0.4	A
950 5001	12977.72	53 1N	114 16E	75.4	190.8	2.181	11.90	58.9	SO409	.07180	9.7479	0.6	V
5002	12980.52	53 1N	114 16E	76.5	190.8	2.181	12.25	58.9	SO409	.07180	9.5085	0.6	A
5003	12989.11	52 8N	113 17E	74.7	190.6	2.181	-5.95	59.5	SO409	.05370	9.7149	0.4	F
5004	12994.32	51 59N	113 5E	73.9	190.6	2.181	-9.80	59.6	SO409	.05370	9.9377	0.4	V
5005	12997.12	51 58N	113 5E	74.8	190.5	2.181	-9.45	59.6	SO409	.05370	9.7314	0.4	A
5006	13000.72	51 32N	113 3E	73.5	190.5	2.181	-5.95	60.0	SO409	.07180	10.0038	0.4	V
5007	13003.32	51 32N	113 3E	74.4	190.4	2.390	-5.95	60.0	SO409	.07180	9.7892	0.6	A
5008	13155.92	40 44N	109 55E	74.4	188.6	2.738	-3.50	68.3	SO409	.07180	9.7727	1.2	F
5009	13161.11	40 44N	109 55E	74.5	188.6	2.738	-2.80	68.3	SO409	.07180	9.7562	1.2	A
5010	13241.71	34 58N	108 57E	78.0	187.9	2.738	12.95	71.9	SO409	.05370	9.4177	0.6	V
5011	13244.51	34 59N	108 57E	79.1	187.9	2.738	13.30	71.9	SO409	.04000	9.1619	0.6	A
5012	13251.72	34 16N	108 55E	79.7	187.9	2.738	17.15	72.3	SO409	.05370	9.2114	0.8	V
5013	13254.72	34 16N	108 55E	81.0	187.9	2.738	17.50	72.3	SO409	.05370	8.9473	0.6	A
5014	13266.51	33 28N	108 30E	76.8	187.8	2.881	9.45	72.5	SO409	.05370	9.4590	0.4	A
5015	13307.32	30 41N	107 50E	77.7	187.5	2.881	7.70	73.4	SO409	.05370	9.3435	0.6	A
5016	13318.32	29 46N	107 19E	76.1	187.5	3.092	-5.25	73.3	SO409	.07180	9.6489	0.4	V
5017	13321.12	29 46N	107 19E	77.1	187.5	3.092	-4.90	73.3	SO409	.07180	9.4177	0.4	A
5018	13556.11	13 26N	103 49E	85.2	186.7	3.439	-19.25	69.0	SO409	.04000	8.5841	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
950 5019	13559.32	13 26N	103 49E	86.2	186.7	3.439	-18.90	69.0	S0409	.04000	8.4025	0.8	A
5020	13601.52	10 14N	103 58E	85.6	186.6	3.232	9.45	67.5	S0409	.04000	8.5428	0.4	V
5021	13604.51	10 15N	103 59E	87.0	186.6	3.232	10.15	67.5	S0409	.04000	8.2787	0.6	A
951 5001	18126.91	63 47N	97 33E	76.3	194.8	1.690	10.15	49.1	S0409	.07180	9.6241	0.6	V
5002	18129.71	63 47N	97 33E	77.3	194.7	1.484	10.50	49.1	S0409	.07180	9.4095	0.6	A
5003	18235.31	56 18N	93 35E	77.5	191.8	2.037	13.30	56.0	S0409	.07180	9.3930	0.6	F
5004	18240.71	56 8N	93 26E	76.1	191.7	2.037	11.90	56.2	S0409	.07180	9.6654	0.8	V
5005	18243.71	56 7N	93 26E	77.1	191.6	2.037	12.25	56.2	S0409	.07180	9.4260	0.6	A
952 5001	23470.51	61 40N	73 31E	75.3	193.7	1.690	-1.40	51.1	S0409	.07180	9.6654	0.6	A
5002	23629.51	50 34N	68 21E	75.1	190.3	2.181	-10.15	60.8	S0409	.07180	9.6654	1.2	F
5003	23634.91	50 34N	68 21E	75.1	190.2	2.390	-9.80	60.8	S0409	.07180	9.6984	1.2	A
5004	23671.31	47 52N	67 36E	73.7	189.7	2.390	-6.30	63.0	S0409	.05370	9.9708	0.6	V
5005	23674.11	47 52N	67 36E	74.6	189.7	2.390	-5.95	63.0	S0409	.05370	9.7562	0.6	A
5006	23697.51	45 48N	67 50E	80.5	189.4	2.390	19.60	64.9	S0409	.05370	9.0546	1.2	F
5007	23703.31	45 48N	67 50E	81.0	189.3	2.390	20.30	64.9	S0409	.05370	8.9555	1.2	A
5008	23717.71	44 33N	66 16E	77.4	189.1	2.390	-17.85	65.4	S0409	.05370	9.3682	0.8	F
5009	23723.31	44 33N	66 16E	77.2	189.1	2.530	-17.15	65.4	S0409	.05370	9.4260	0.8	A
5010	23788.71	39 49N	65 33E	74.2	188.5	2.738	9.35	68.9	S0409	.05370	9.8965	0.6	V
5011	23791.51	39 49N	65 33E	75.2	188.4	2.738	0.70	68.9	S0409	.05370	9.6654	0.4	A
5012	23802.51	38 48N	65 51E	80.1	188.4	2.530	19.25	69.9	S0409	.05370	9.1784	0.4	V
5013	23805.51	38 48N	65 51E	81.4	188.3	2.530	19.60	69.9	S0409	.04000	8.9143	0.4	A
5014	23903.31	32 11N	63 26E	77.0	187.7	3.092	-11.20	72.5	S0409	.05370	9.4425	0.6	A
953 5001	28820.11	58 39N	49 38E	74.1	192.5	1.826	-5.95	53.8	S0409	.07180	9.9047	0.6	V
5002	28822.91	58 39N	49 38E	75.0	192.5	1.826	-5.60	53.8	S0409	.07180	9.6984	0.6	A
5003	28842.31	57 2N	48 15E	79.1	192.0	1.826	-21.00	55.1	S0409	.07180	9.1454	0.4	F
5004	28845.11	57 2N	48 16E	78.1	192.0	1.826	-20.65	55.1	S0409	.07180	9.3930	0.4	V
5005	28849.11	56 34N	48 5E	78.9	191.9	1.826	-20.65	55.5	S0409	.07180	9.1701	0.6	F
5006	28851.91	56 34N	48 5E	77.9	191.8	1.826	-20.30	55.5	S0409	.07180	9.4177	0.6	V
5007	28860.11	55 54N	48 50E	74.4	191.6	2.037	5.25	56.3	S0409	.07180	9.8717	0.6	V
5008	28862.91	55 54N	48 50E	75.4	191.6	2.037	5.60	56.3	S0409	.07180	9.6406	0.6	A
5009	28918.51	51 51N	46 20E	78.2	190.6	2.037	-19.60	59.6	S0409	.07180	9.2692	0.6	F
5010	28921.31	51 50N	46 20E	77.1	190.5	2.037	-19.25	59.6	S0409	.07180	9.5168	0.6	V
5011	28924.71	51 49N	46 15E	78.8	190.5	2.037	-20.65	59.6	S0409	.07180	9.2444	0.4	A
5012	28962.91	48 43N	46 16E	76.0	189.9	2.390	8.75	62.5	S0409	.07180	9.5663	0.6	F
5013	28965.71	48 42N	46 16E	75.2	189.9	2.390	9.10	62.5	S0409	.07180	9.7644	0.4	V
5014	28967.11	48 37N	46 14E	75.2	189.9	2.390	9.10	62.6	S0409	.07180	9.7644	0.6	V
5015	28969.91	48 37N	46 14E	76.3	189.8	2.390	9.45	62.6	S0409	.07180	9.5168	0.6	A
5016	29023.91	44 51N	44 1E	79.3	189.2	2.390	-23.80	65.1	S0409	.05370	9.2527	0.8	V
5017	29026.91	44 50N	44 1E	80.1	189.1	2.390	-23.45	65.1	S0409	.05370	9.0876	0.6	A
5018	29038.51	43 45N	44 33E	74.2	189.0	2.530	2.45	66.2	S0409	.07180	9.9047	0.6	V
5019	29041.31	43 45N	44 33E	75.1	189.0	2.530	2.80	66.3	S0409	.07180	9.6654	0.6	A
5020	29048.31	43 3N	44 44E	77.2	188.9	2.530	14.70	66.9	S0409	.04000	9.5250	0.4	V
5021	29054.91	42 50N	44 13E	73.6	188.8	2.738	0.00	66.9	S0409	.07180	9.8717	0.6	A
5022	29061.91	41 54N	44 34E	80.3	188.8	2.530	18.90	67.8	S0409	.05370	9.0793	0.8	F
5023	29067.31	41 41N	44 53E	87.5	188.7	2.181	29.75	68.1	S0409	.03080	8.3777	0.6	V
5024	29070.51	41 41N	44 53E	89.0	188.7	2.181	30.10	68.1	S0409	.03080	8.1219	0.8	A
5025	29078.91	40 59N	43 50E	73.4	188.6	2.738	3.50	68.2	S0409	.07180	10.0038	0.4	V
5026	29083.31	40 41N	43 47E	74.1	188.6	2.738	4.90	68.4	S0409	.07180	9.9130	0.6	V
5027	29086.11	40 41N	43 47E	75.1	188.6	2.738	5.25	68.4	S0409	.07180	9.6654	0.4	A
5028	29092.51	40 12N	44 10E	81.9	188.5	2.530	21.35	69.0	S0409	.05370	8.8585	0.8	A
5029	29138.71	36 52N	42 59E	76.4	188.1	2.738	10.15	70.8	S0409	.05370	9.5993	0.6	V
5030	29141.51	36 52N	42 59E	77.6	188.1	2.738	10.50	70.8	S0409	.05370	9.3517	0.6	A
5031	29951.71	18 58S	33 23E	125.7	186.9	2.181	32.55	42.8	S0409	.05370	5.7365	1.2	V
5032	29956.71	18 59S	33 23E	128.3	186.9	2.181	32.90	42.8	S0409	.04000	5.5136	1.0	A
5033	30056.11	25 45S	29 30E	128.6	187.2	3.232	-35.70	35.3	S0409	.05370	5.5879	0.8	V
5034	30061.11	25 45S	29 29E	130.3	187.3	3.439	-35.70	35.3	S0409	.05370	5.4723	0.6	A
954 9001	34095.31	60 42N	29 11E	75.1	193.4	1.826	7.35	52.0	3414	.01650	9.7800	0.6	V
9002	34098.11	60 42N	29 11E	76.1	193.3	1.826	7.70	52.0	3414	.01650	9.5324	0.6	A
9003	34118.71	59 9N	28 11E	74.3	192.7	1.826	3.50	53.4	3414	.01650	9.8790	1.0	V
9004	34128.31	58 25N	26 55E	77.8	192.5	1.826	-17.50	53.9	3414	.01650	9.3096	0.8	F
9005	34133.91	58 25N	26 56E	77.5	192.4	1.826	-16.80	53.9	3414	.01650	9.3756	0.8	A
9006	34163.11	55 58N	26 41E	74.9	191.7	2.037	2.80	56.2	3414	.01650	9.6974	0.8	F
9007	34168.51	55 58N	26 41E	75.0	191.6	2.037	3.50	56.2	3414	.01650	9.6727	0.8	A
9008	34174.51	55 9N	26 46E	77.5	191.5	2.037	13.65	57.0	3414	.01650	9.3756	0.4	F
9009	34177.31	55 9N	26 46E	76.8	191.4	2.037	14.00	57.1	3414	.01650	9.5654	0.4	V
9010	34183.71	54 33N	26 18E	75.8	191.3	2.037	8.40	57.5	3414	.01650	9.5819	0.4	F
9011	34186.91	54 31N	26 13E	74.6	191.2	2.037	7.00	57.5	3414	.01650	9.8460	0.4	V
9012	34189.51	54 32N	26 13E	75.6	191.2	2.037	7.35	57.5	3414	.01650	9.5984	0.6	A
9013	34195.71	53 59N	25 30E	73.8	191.1	2.037	-6.30	57.9	3414	.01650	9.9450	0.6	V
9014	34198.51	53 37N	25 21E	74.7	191.0	2.037	-6.65	58.2	3414	.01650	9.7057	0.4	F
9015	34201.11	53 37N	25 21E	73.8	191.0	2.037	-6.30	58.2	3414	.01650	9.9450	0.4	V
9016	34204.51	53 36N	25 18E	74.8	190.9	2.037	-7.00	58.3	3414	.01650	9.7140	0.6	A
9017	34210.91	53 7N	25 21E	74.5	190.8	2.037	-1.05	58.7	3414	.01650	9.7387	0.8	A
9018	34216.31	52 35N	24 54E	74.0	190.7	2.037	-8.40	59.1	3414	.01650	9.9120	0.6	V
9019	34219.11	52 35N	24 54E	74.9	190.7	2.037	-8.05	59.1	3414	.01650	9.6974	0.6	A
9020	34238.51	50 53N	24 20E	74.7	190.4	2.037	-7.35	60.5	3414	.01650	9.7057	0.6	F
9021	34244.31	50 29N	24 21E	74.4	190.3	2.390	-3.15	60.9	3414	.01650	9.7552	0.6	F
9022	34248.51	50 23N	24 16E	73.6	190.2	2.390	-4.20	61.0	3414	.01650	9.9780	0.4	V
9023	34251.11	50 23N	24 17E	74.4	190.2	2.390	-3.85	61.0	3414	.01650	9.7470	0.4	A
9024	34255.71	49 54N	24 4E	73.6	190.1	2.390	-5.60	61.4	3414	.01650	9.9780	1.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
954 9025	34262.11	49 17N	23 48E	74.7	190.0	2.390	-7.70	61.8	3414	.01650	9.7140	0.8	F
9026	34267.51	49 17N	23 48E	74.6	189.9	2.390	-7.60	61.9	3414	.01650	9.7305	0.8	A
9027	34300.71	46 46N	23 31E	74.9	189.5	2.390	8.40	64.0	3414	.01650	9.8047	0.6	V
9028	34303.51	46 46N	23 31E	75.9	189.5	2.390	8.75	64.0	3414	.01650	9.5489	0.6	A
9029	34314.11	45 54N	22 55E	73.7	189.4	2.390	-2.10	64.6	3414	.01650	9.9698	0.6	V
9030	34316.91	45 53N	22 55E	74.5	189.3	2.390	-1.75	64.6	3414	.01650	9.7305	0.4	A
9031	35050.91	4 56S	12 37E	93.4	186.5	3.439	-0.70	55.0	3414	.01220	7.7002	0.6	F
9032	35054.11	4 55S	12 37E	92.6	186.5	3.439	-0.35	55.0	3414	.01220	7.8405	0.6	V
9033	35060.51	5 34S	12 16E	94.3	186.5	3.439	-9.45	54.3	3414	.01220	7.6177	0.6	F
9034	35063.91	5 34S	12 17E	93.3	186.5	3.439	-8.75	54.3	3414	.01220	7.7628	0.6	V
9035	35065.31	5 40S	12 16E	93.3	186.5	3.439	-8.75	54.2	3414	.01220	7.7745	0.6	V
9036	35068.71	5 39S	12 15E	94.6	186.5	3.439	-8.40	54.3	3414	.01220	7.5682	0.6	A
955 9001	39777.11	35 7N	1 51W	75.1	188.0	2.881	2.80	71.6	3414	.01650	9.7635	0.6	V
9002	39779.91	35 6N	1 51W	76.1	187.9	2.881	3.15	71.6	3414	.01220	9.5076	0.6	A
965 5001	6151.31	52 14N	141 40E	74.4	190.6	2.181	-10.85	59.4	S0409	.05370	9.8635	0.4	V
5002	6153.91	52 15N	141 40E	75.3	190.6	2.181	-10.50	59.4	S0409	.05370	9.6654	0.6	A
5003	6198.91	49 1N	140 16E	77.0	189.9	2.181	-19.60	62.0	S0409	.07180	9.5250	0.4	V
5004	6201.71	49 2N	140 15E	77.9	189.9	2.390	-19.60	62.0	S0409	.07180	9.3517	0.6	A
966 5001	11623.31	40 53N	115 51E	77.9	188.6	2.530	-20.65	68.0	S0409	.05370	9.2857	0.4	F
5002	11629.31	40 37N	116 8E	73.5	188.6	2.738	-8.75	68.3	S0409	.07180	9.9873	0.6	V
5003	11634.51	40 3N	116 20E	74.9	188.5	2.738	2.80	68.8	S0409	.05370	9.6984	1.2	F
5004	11640.11	39 50N	116 24E	75.1	188.5	2.738	7.70	69.1	S0409	.07180	9.7809	0.6	V
5005	11642.91	39 49N	116 24E	76.1	188.5	2.738	8.05	69.1	S0409	.05370	9.5333	0.6	A
5006	11657.11	38 46N	115 11E	80.0	188.3	2.530	-24.85	69.2	S0409	.05370	9.1619	0.6	V
5007	11691.11	36 29N	115 60E	83.0	188.1	2.530	22.40	71.3	S0409	.05370	8.7244	1.0	A
5008	12314.31	6 30S	107 25E	93.9	186.5	3.232	7.35	53.7	S0409	.05370	7.7422	0.6	V
5009	12320.51	6 57S	107 38E	98.8	186.6	2.881	17.85	53.5	S0409	.05370	7.3542	0.6	V
5010	12324.11	6 57S	107 38E	100.6	186.6	2.881	18.20	53.5	S0409	.05370	7.1149	0.6	A
967 5001	17032.71	34 13N	92 27E	73.7	187.8	3.092	-10.50	71.8	S0409	.07180	9.8635	0.4	A
968 5001	22151.31	46 38N	74 32E	80.2	189.5	2.390	19.95	64.3	S0409	.05370	9.0793	0.6	F
5002	22154.11	46 38N	74 32E	79.6	189.5	2.390	20.30	64.3	S0409	.05370	9.2362	0.6	V
5003	22161.71	46 1N	73 39E	74.1	189.4	2.530	-0.70	64.5	S0409	.05370	9.8057	1.0	F
5004	22166.91	46 2N	73 39E	74.3	189.3	2.530	0.00	64.5	S0409	.05370	9.7892	1.2	A
969 5001	27305.51	57 21N	56 33E	80.6	192.0	1.826	20.30	55.2	S0409	.07180	9.0133	1.0	A
5002	27544.31	40 51N	49 21E	81.0	188.6	2.390	-25.20	67.9	S0409	.05370	8.9390	0.6	F
5003	27547.11	40 51N	49 22E	80.0	188.6	2.390	-24.85	67.9	S0409	.05370	9.1784	0.6	V
5004	27584.71	40 27N	49 48E	75.0	188.5	2.738	-7.35	68.4	S0409	.07180	9.6984	0.6	A
5005	27606.91	36 33N	48 19E	81.2	188.1	2.530	-25.90	70.4	S0409	.05370	8.9060	0.8	F
5006	27686.11	31 5N	47 26E	77.7	187.6	2.881	-14.70	72.8	S0409	.05370	9.3187	0.4	F
5007	27695.11	30 36N	47 46E	74.1	187.6	2.881	2.45	73.3	S0409	.07180	9.9130	0.6	V
5008	27697.91	30 36N	47 46E	75.1	187.5	3.092	2.45	73.3	S0409	.07180	9.6654	0.6	A
5009	27713.51	29 16N	48 2E	83.5	187.5	2.738	22.05	74.0	S0409	.05370	8.7822	0.6	V
5010	27716.71	29 16N	48 3E	85.3	187.4	2.530	23.10	74.0	S0409	.05370	8.4933	0.4	A
5011	27918.51	15 17N	44 15E	82.3	186.7	3.439	-19.25	70.0	S0409	.05370	8.8977	0.8	V
5012	27921.71	15 16N	44 15E	83.1	186.7	3.439	-18.55	70.0	S0409	.05370	8.7244	0.6	A
5013	27928.51	14 34N	44 24E	79.6	186.7	3.439	-7.70	69.8	S0409	.05370	9.2031	0.6	V
5014	27931.51	14 34N	44 24E	80.6	186.7	3.439	-7.00	69.9	S0409	.05370	8.9803	0.4	A
5015	27938.51	13 41N	44 11E	81.6	186.7	3.439	-10.50	69.3	S0409	.05370	8.8730	0.6	F
5016	27941.31	13 41N	44 11E	80.8	186.7	3.439	-10.15	69.3	S0409	.05370	9.0628	0.8	V
5017	27954.31	12 48N	44 2E	81.8	186.7	3.439	-9.45	68.7	S0409	.05370	8.9473	0.6	V
5018	27957.51	12 47N	44 2E	82.9	186.7	3.439	-9.10	68.7	S0409	.05370	8.7327	0.4	A
5019	27984.11	10 43N	43 57E	82.7	186.6	3.439	1.75	67.6	S0409	.05370	8.8400	0.6	V
5020	27987.31	10 42N	43 56E	83.9	186.6	3.439	2.10	67.6	S0409	.05370	8.6006	0.4	A
5021	28000.31	9 34N	44 4E	86.5	186.6	3.092	14.70	67.0	S0409	.05370	8.4520	0.4	V
5022	28003.51	9 34N	44 3E	87.9	186.6	3.092	15.05	67.0	S0409	.05370	8.1962	0.4	A
9001	27291.51	58 1N	55 54E	74.7	192.4	2.037	-3.15	54.4	3414	.01650	9.7140	0.8	F
9002	27296.71	58 2N	55 54E	74.7	192.2	2.037	-2.45	54.4	3414	.01650	9.7305	1.0	A
970 5001	32596.10	58 8N	33 9E	78.2	192.4	1.826	-19.25	54.2	S0409	.07180	9.2609	0.6	F
5002	32600.10	57 52N	32 59E	78.6	192.3	1.826	-20.30	54.4	S0409	.07180	9.2114	0.6	F
5003	32606.11	57 49N	33 13E	76.2	192.2	2.037	-14.00	54.5	S0409	.07180	9.5498	0.4	A
5004	32609.30	57 36N	33 9E	76.0	192.1	2.037	-13.30	54.7	S0409	.07180	9.5828	0.4	A
5005	32617.90	56 40N	32 20E	79.9	191.9	1.826	-23.10	55.5	S0409	.07180	9.0546	0.8	F
5006	32623.50	56 41N	32 20E	79.8	191.8	1.826	-22.75	55.5	S0409	.07180	9.1206	1.0	A
5007	32650.30	54 22N	32 30E	74.8	191.2	2.181	4.20	57.7	S0409	.07180	9.7231	0.6	F
5008	32655.51	54 23N	32 30E	74.9	191.1	2.181	4.90	57.7	S0409	.07180	9.6984	0.6	A
5009	32662.51	53 46N	31 51E	73.6	191.0	2.181	-6.30	58.1	S0409	.07180	9.9790	0.6	V
5010	32665.30	53 45N	31 51E	74.5	191.0	2.181	-5.95	58.2	S0409	.07180	9.7727	0.4	A
5011	32683.71	52 22N	30 51E	76.7	190.6	2.037	-18.90	59.2	S0409	.07180	9.5746	0.6	V
5012	32686.51	52 22N	30 52E	77.5	190.6	2.037	-18.55	59.2	S0409	.07180	9.3930	0.6	A
5013	32708.30	50 29N	30 24E	75.7	190.3	2.181	-14.00	60.8	S0409	.07180	9.5746	0.6	F
5014	32711.11	50 29N	30 24E	74.8	190.2	2.181	-13.65	60.9	S0409	.07180	9.8139	0.4	V
5015	32714.50	50 15N	30 19E	74.9	190.2	2.181	-14.00	61.0	S0409	.07180	9.8057	0.4	V
5016	32717.10	50 16N	30 19E	75.8	190.1	2.390	-14.00	61.0	S0409	.07180	9.6076	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
970 5017	32723.30	49 52N	30 1E	77.4	190.0	2.181	-18.55	61.3	S0409	.07180	9.4012	0.4	A
5018	32984.70	31 34N	25 9E	82.0	187.6	2.738	-24.85	72.4	S0409	.05370	8.8235	0.8	F
5019	32987.70	31 33N	25 9E	81.0	187.6	2.738	-24.50	72.5	S0409	.05370	9.0628	0.8	V
5020	33775.90	22 26S	15 3E	111.4	187.0	3.232	-23.80	38.6	S0409	.05370	6.4793	0.6	V
5021	33780.10	22 26S	15 3E	113.0	187.1	3.439	-23.80	38.6	S0409	.05370	6.3308	0.6	A
9001	32650.10	54 23N	32 30E	74.8	191.2	2.181	4.20	57.7	3414	.01650	9.7222	1.0	F
9002	32655.51	54 22N	32 30E	74.9	191.1	2.181	4.90	57.7	3414	.01650	9.6974	0.8	A
9003	32762.30	46 42N	30 1E	76.4	189.5	2.390	10.85	64.1	3414	.01650	9.5241	1.0	F
9004	32767.90	46 42N	30 1E	76.6	189.5	2.390	11.55	64.2	3414	.01650	9.4664	0.8	A
971 5001	38120.90	43 4N	6 29E	74.4	188.9	2.530	-1.40	66.7	S0409	.04000	9.7727	0.6	F
5002	38123.70	43 3N	6 28E	73.6	188.9	2.530	-1.05	66.8	S0409	.04000	9.9873	0.4	V
5003	38215.10	36 40N	4 13E	80.0	188.1	2.738	-23.80	70.4	S0409	.05370	9.0546	0.6	F
5004	38217.90	36 40N	4 13E	79.0	188.1	2.738	-23.45	70.4	S0409	.05370	9.2939	0.6	V
973 5001	49589.30	15 38S	48 50W	102.5	186.8	3.092	10.85	45.4	S0409	.05370	6.9581	0.8	A
974 5001	54905.30	16 58S	72 6W	105.1	186.8	3.439	-20.65	43.7	S0409	.07180	6.8095	0.6	F
5002	54917.10	17 37S	71 21W	101.8	186.8	3.092	8.05	43.6	S0409	.07180	7.1066	0.6	V
5003	54920.90	17 37S	71 21W	103.6	186.8	3.092	8.75	43.6	S0409	.07180	6.8755	0.6	A
977 5001	70883.30	21 50S	138 60W	103.7	187.0	3.439	-10.85	39.3	S0409	.05370	6.9663	0.6	V
5002	70887.30	21 50S	138 60W	105.1	187.0	3.439	-10.15	39.3	S0409	.05370	6.7930	0.4	A
982 5001	10056.50	45 46N	122 41E	92.1	189.3	1.826	-38.50	64.3	S0409	.05370	7.9485	0.4	V
5002	10059.70	45 46N	122 40E	93.0	189.3	2.037	-38.50	64.2	S0409	.05370	7.8412	0.6	A
5003	10110.90	41 50N	123 30E	78.4	188.7	2.530	17.15	67.9	S0409	.05370	9.3847	0.6	V
5004	10113.90	41 49N	123 30E	79.6	188.7	2.530	17.50	67.9	S0409	.05370	9.1371	0.6	A
5005	10121.70	41 8N	122 52E	74.1	188.6	2.738	2.10	68.1	S0409	.05370	9.9212	0.6	V
5006	10124.50	41 8N	122 52E	75.0	188.6	2.738	2.45	68.2	S0409	.05370	9.6901	0.6	A
5007	10129.10	40 39N	122 33E	73.8	188.6	2.738	-4.20	68.4	S0409	.05370	9.9543	0.6	V
5008	10131.90	40 39N	122 32E	74.8	188.6	2.738	-4.55	68.4	S0409	.05370	9.7314	1.2	A
5009	10153.50	39 10N	122 5E	75.1	188.4	2.738	-7.00	69.3	S0409	.05370	9.6984	0.6	A
5010	10179.10	37 10N	122 7E	76.3	188.2	2.738	10.85	70.7	S0409	.05370	9.6324	0.4	V
5011	10187.70	36 41N	121 48E	78.6	188.1	2.738	-22.05	70.4	S0409	.05370	9.3352	0.4	V
5012	10195.50	36 17N	121 24E	75.4	188.1	2.881	-7.00	70.9	S0409	.05370	9.6489	0.6	A
9001	8173.70	5 25N	55 11W	130.3	353.5	-3.419	-4.20	-54.6	3414	.29610	5.4141	1.0	F
9002	8179.30	5 49N	55 9W	130.9	353.5	-3.419	-6.65	-54.3	3414	.29610	5.3811	0.4	F
9003	8186.70	5 40N	55 5W	131.6	353.5	-3.419	-8.75	-54.5	3414	.29610	5.3481	1.2	A
9004	10143.70	39 29N	122 2E	75.9	188.5	2.738	-12.60	69.0	3414	.01220	9.5571	0.8	F
9005	10149.10	39 29N	122 2E	75.8	188.4	2.738	-11.90	69.0	3414	.01220	9.5902	0.8	A
983 5001	15056.90	66 29N	112 25E	79.1	196.6	1.484	12.60	46.7	S0409	.07180	9.1949	0.4	F
5002	15059.50	66 29N	112 26E	78.3	196.5	1.484	12.95	46.7	S0409	.07180	9.3847	0.6	V
5003	15194.70	57 17N	106 33E	76.1	192.1	2.037	9.45	55.2	S0409	.07180	9.5581	0.8	F
5004	15200.10	57 17N	106 33E	76.3	192.0	2.037	10.15	55.2	S0409	.07180	9.5250	1.0	A
5005	15250.50	53 47N	104 7E	75.3	191.0	2.037	-14.70	58.1	S0409	.07180	9.7644	0.4	V
5006	15253.10	53 48N	104 7E	76.1	191.0	2.037	-14.35	58.1	S0409	.07180	9.5746	0.4	A
5007	15266.30	52 37N	104 32E	75.3	190.7	2.181	8.75	59.3	S0409	.05370	9.7727	0.6	V
5008	15269.10	52 37N	104 32E	76.3	190.7	2.181	9.10	59.3	S0409	.05370	9.5333	0.4	A
5009	15277.90	51 59N	104 44E	80.8	190.5	2.037	20.65	59.9	S0409	.05370	8.9885	0.4	A
5010	15429.70	41 21N	100 22E	75.2	188.7	2.530	-12.25	67.8	S0409	.07180	9.6571	0.4	F
5011	15432.30	41 21N	100 22E	74.3	188.7	2.530	-11.90	67.8	S0409	.07180	9.8882	0.6	V
5012	15435.70	41 7N	100 17E	74.4	188.6	2.530	-12.60	68.0	S0409	.07180	9.8635	0.4	V
5013	15438.50	41 7N	100 17E	75.3	188.6	2.738	-12.60	68.0	S0409	.07180	9.6654	0.4	A
5014	15700.50	23 2N	97 10E	85.0	187.1	2.738	21.00	73.9	S0409	.05370	8.4933	0.8	A
984 5001	20538.50	55 25N	82 56E	74.2	191.5	2.037	-6.65	56.7	S0409	.07180	9.8965	0.6	V
5002	20545.10	55 0N	82 27E	75.8	191.3	2.037	-14.70	57.0	S0409	.07180	9.6901	0.4	V
5003	20547.90	55 0N	82 27E	76.7	191.3	2.037	-14.35	57.0	S0409	.07180	9.5003	0.4	A
5004	20575.90	52 35N	82 43E	79.0	190.8	2.181	16.80	59.4	S0409	.07180	9.2279	0.4	F
5005	20576.90	52 31N	82 42E	79.0	190.8	2.181	16.80	59.4	S0409	.07180	9.2279	0.4	F
5006	20579.90	52 30N	82 42E	78.4	190.7	2.181	17.50	59.5	S0409	.07180	9.3847	0.6	V
5007	20582.70	52 30N	82 42E	79.6	190.7	2.181	17.85	59.5	S0409	.07180	9.1371	0.6	A
5008	20593.30	51 43N	81 12E	75.7	190.5	2.181	-15.40	59.8	S0409	.07180	9.7149	0.6	V
5009	20596.10	51 43N	81 12E	76.5	190.5	2.181	-15.05	59.8	S0409	.07180	9.5250	0.6	A
5010	20618.90	49 44N	81 5E	74.4	190.1	2.390	0.00	61.6	S0409	.07180	9.7727	0.4	F
5011	20621.50	49 44N	81 5E	73.6	190.1	2.390	0.35	61.6	S0409	.07180	9.9873	0.4	V
5012	20624.10	49 23N	80 59E	74.4	190.0	2.390	0.70	61.9	S0409	.07180	9.7727	0.4	F
5013	20626.70	49 23N	80 59E	73.6	190.0	2.390	1.05	61.9	S0409	.07180	9.9873	0.4	V
5014	20632.30	48 59N	81 1E	74.2	189.9	2.390	5.95	62.3	S0409	.07180	9.9047	0.4	V
5015	20634.90	48 60N	81 1E	75.2	189.9	2.390	6.30	62.3	S0409	.07180	9.6736	0.6	A
5016	20646.10	47 53N	80 27E	74.1	189.7	2.390	-1.05	63.1	S0409	.05370	9.8057	0.6	F
5017	20651.30	47 54N	80 27E	74.3	189.7	2.390	-0.35	63.1	S0409	.05370	9.7974	0.8	A
5018	21052.90	19 56N	73 50E	78.8	186.9	3.232	-4.20	72.5	S0409	.05370	9.2031	1.0	F
5019	21058.50	19 57N	73 50E	79.1	186.9	3.232	-3.15	72.5	S0409	.05370	9.1536	1.2	A
5020	21072.30	18 35N	73 47E	80.0	186.9	3.232	4.20	72.1	S0409	.05370	9.0793	1.0	F
5021	21078.10	18 35N	73 47E	80.6	186.9	3.232	5.25	72.1	S0409	.05370	8.9803	1.0	A
985 5001	25882.70	52 58N	60 28E	76.2	190.9	2.181	9.80	59.0	S0409	.07180	9.5498	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
985 5002	25885.50	52 57N	60 27E	75.4	190.8	2.181	9.80	59.0	S0409	.07180	9.7562	1.4	V
5003	25889.10	52 54N	60 26E	76.4	190.8	2.181	10.15	59.1	S0409	.07180	9.5168	0.6	A
5004	25902.50	51 37N	59 55E	75.9	190.5	2.390	8.75	60.1	S0409	.07180	9.5828	0.6	F
5005	25906.10	51 23N	59 44E	75.2	190.5	2.390	5.95	60.3	S0409	.07180	9.6654	0.6	F
5006	25909.50	51 10N	59 36E	75.0	190.4	2.390	4.55	60.5	S0409	.07180	9.6984	0.4	F
5007	25912.10	51 10N	59 36E	74.2	190.4	2.390	4.55	60.5	S0409	.07180	9.4130	1.2	V
5008	25915.50	51 7N	59 35E	75.1	190.3	2.390	4.90	60.5	S0409	.07180	9.6819	0.6	A
5009	25919.30	50 51N	59 36E	75.8	190.3	2.181	8.40	60.8	S0409	.07180	9.5911	0.4	A
5010	25945.50	48 47N	58 4E	76.9	189.9	2.181	-16.80	62.2	S0409	.07180	9.4260	0.4	F
5011	25948.30	48 47N	58 4E	75.9	189.9	2.181	-16.45	62.2	S0409	.07180	9.6654	0.4	V
5012	25953.30	48 25N	58 8E	74.4	189.8	2.390	-11.20	62.6	S0409	.07180	9.8800	0.4	V
5013	25956.10	48 25N	58 8E	75.3	189.8	2.390	-10.85	62.6	S0409	.07180	9.6736	0.4	A
986 5001	31048.70	62 54N	41 46E	79.6	194.4	1.484	-19.25	49.9	S0409	.07180	9.0876	0.8	F
5002	31054.30	62 55N	41 47E	79.4	194.2	1.690	-18.90	49.9	S0409	.07180	9.1701	0.8	A
5003	31079.10	61 5N	42 11E	77.6	193.5	1.826	11.20	51.8	S0409	.07180	9.3682	0.6	A
5004	31106.70	59 9N	40 5E	75.8	192.7	1.826	-12.95	53.4	S0409	.07180	9.6901	0.6	V
5005	31109.50	59 9N	40 5E	76.6	192.6	1.826	-12.60	53.4	S0409	.07180	9.5003	0.6	A
5006	31117.30	58 34N	40 22E	75.0	192.4	2.037	0.70	54.0	S0409	.07180	9.6984	0.4	A
5007	31126.10	57 36N	39 56E	75.1	192.2	2.037	0.70	54.9	S0409	.09610	9.6736	0.4	F
5008	31128.70	57 36N	39 57E	74.3	192.2	2.037	1.05	54.9	S0409	.09610	9.8882	0.6	V
5009	31134.50	56 57N	40 18E	79.0	192.0	2.037	16.10	55.6	S0409	.07180	9.2114	0.6	F
5010	31137.30	56 57N	40 17E	78.1	192.0	2.037	16.10	55.6	S0409	.07180	9.4095	1.2	V
5011	31146.90	56 16N	38 35E	77.8	191.8	1.826	-17.50	55.9	S0409	.07180	9.3187	0.6	F
5012	31149.70	56 16N	38 36E	76.8	191.7	1.826	-17.15	55.9	S0409	.07180	9.5663	0.6	V
5013	31153.30	56 2N	38 24E	77.6	191.6	1.826	-19.25	56.1	S0409	.07180	9.4590	0.6	V
5014	31165.70	55 14N	37 39E	83.1	191.4	1.826	-28.70	56.7	S0409	.05370	8.8317	1.0	V
5015	31168.90	55 13N	37 38E	84.1	191.3	1.826	-28.70	56.7	S0409	.05370	8.6584	0.8	A
5016	31529.10	30 16N	31 25E	76.3	187.5	3.092	-11.90	73.1	S0409	.05370	9.6076	0.4	V
5017	31531.90	30 16N	31 25E	77.3	187.5	3.092	-11.55	73.1	S0409	.05370	9.4012	0.4	A
5018	32370.90	27 44S	21 28E	113.9	187.3	2.881	12.25	34.1	S0409	.05370	6.2812	0.8	F
5019	32375.10	27 44S	21 28E	113.2	187.3	2.881	12.60	34.1	S0409	.05370	6.3638	0.6	V
5020	32461.30	33 40S	18 27E	130.2	187.8	2.881	-29.75	27.8	S0409	.05370	5.4393	0.4	F
5021	32466.10	33 40S	18 26E	129.0	187.8	3.092	-29.75	27.8	S0409	.05370	5.5714	0.4	V
5022	32469.30	33 53S	18 26E	127.9	187.9	3.092	-28.70	27.6	S0409	.05370	5.8127	0.8	V
5023	32474.30	33 54S	18 26E	129.2	187.9	3.092	-28.00	27.6	S0409	.05370	5.5054	0.6	A
9001	31513.90	31 5N	31 55E	76.2	187.6	3.092	0.00	73.1	3414	.00900	9.5324	0.8	F
9002	31519.30	31 5N	31 55E	76.4	187.6	3.092	1.05	73.1	3414	.00900	9.4746	0.8	A
989 5001	48224.50	22 29S	44 39W	106.1	187.0	3.439	-10.50	38.7	S0409	.05370	6.7352	0.4	F
5002	48228.30	22 29S	44 39W	105.2	187.0	3.439	-10.15	38.7	S0409	.05370	6.8673	0.4	V
5003	48235.10	22 59S	44 27W	105.1	187.1	3.232	-1.05	38.4	S0409	.05370	6.8673	0.6	V
5004	48239.10	22 59S	44 27W	106.7	187.1	3.232	-0.70	38.4	S0409	.05370	6.6692	0.6	A
9001	48214.10	21 44S	45 15W	118.3	187.0	3.232	-30.80	39.1	3414	.01220	6.0084	1.4	F
990 5001	53884.90	45 33S	72 3W	126.3	189.3	2.530	-4.55	16.7	S0409	.07180	5.5796	0.6	A
9001	53696.30	33 1S	68 29W	115.5	187.8	2.881	3.50	28.9	3414	.01650	6.1156	1.4	A
991 5001	58180.70	22 48N	80 36W	78.5	187.1	3.232	-8.75	73.2	S0409	.05370	9.2444	0.6	F
5002	58183.50	22 48N	80 36W	77.7	187.1	3.232	-8.40	73.2	S0409	.05370	9.4425	0.6	V
5003	58188.30	22 15N	80 30W	78.4	187.0	3.232	-0.70	73.2	S0409	.05370	9.2692	0.4	F
5004	58193.10	22 6N	80 26W	78.2	187.0	3.232	3.85	73.3	S0409	.07180	9.3847	0.6	V
5005	58196.10	22 6N	80 26W	79.3	187.0	3.232	4.20	73.3	S0409	.07180	9.1289	0.6	A
998 9001	8653.29	43 8N	128 55E	75.0	188.9	2.530	-14.70	66.6	S0312	.02200	9.7882	0.8	V
9002	8660.49	42 29N	128 19E	82.3	188.8	2.390	-28.00	66.8	S0312	.03070	8.7896	0.6	F
9003	8667.29	41 58N	128 51E	74.2	188.8	2.738	-7.00	67.5	S0312	.02200	9.7800	0.6	F
9004	8676.09	41 25N	128 10E	80.0	188.7	2.390	-24.15	67.6	S0312	.03070	9.0455	0.4	F
9005	8680.29	41 19N	128 12E	77.5	188.7	2.390	-22.05	67.7	S0312	.03070	9.4746	1.0	V
9006	8688.49	40 59N	127 51E	83.1	188.6	2.530	-30.10	67.8	S0312	.03070	8.7566	0.4	A
9007	8710.09	39 5N	127 28E	83.0	188.4	2.390	-28.00	69.0	S0312	.02200	8.7071	0.4	F
9008	8713.89	38 49N	127 32E	80.4	188.4	2.390	-24.15	69.2	S0312	.02200	9.0042	0.8	F
9009	8718.49	38 42N	127 26E	80.2	188.3	2.390	-25.90	69.3	S0312	.03070	9.1527	1.4	V
9010	8722.29	38 39N	127 25E	81.2	188.3	2.738	-26.25	69.3	S0312	.03070	8.9629	0.4	A
9011	8725.49	38 26N	127 18E	82.8	188.3	2.738	-28.00	69.4	S0312	.03070	8.7896	1.4	A
9012	8732.09	38 3N	126 49E	92.6	188.2	2.530	-38.15	69.4	S0312	.02200	7.8818	0.6	A
9013	9175.09	6 58N	122 4E	86.5	186.6	3.439	7.35	64.9	S0312	.03070	8.3770	1.4	F
999 9001	13694.69	61 29N	112 52E	84.0	193.6	1.338	-28.70	51.2	S0312	.03070	8.7318	0.8	V
9002	13697.69	61 30N	112 52E	84.7	193.5	1.338	-28.35	51.2	S0312	.03070	8.5833	0.8	A
9003	13901.89	47 23N	107 28E	82.2	189.6	2.037	-29.40	63.2	S0312	.02200	8.9362	0.4	V
9004	13904.89	47 23N	107 28E	82.9	189.6	2.037	-29.05	63.2	S0312	.02200	8.7896	0.6	A
9005	14029.29	38 31N	106 17E	75.3	188.3	2.738	8.75	69.9	S0312	.03070	9.7552	0.6	V
9006	14032.09	38 31N	106 17E	76.4	188.3	2.738	9.10	69.9	S0312	.03070	9.4911	0.6	A
9007	14057.49	36 43N	104 35E	86.5	188.1	2.390	-33.95	70.2	S0312	.03070	8.4760	0.4	V
9008	14060.69	36 43N	104 34E	87.3	188.1	2.390	-33.60	70.2	S0312	.03070	8.3440	0.4	A
9009	14223.09	25 4N	102 53E	76.8	187.2	3.232	-8.75	73.5	S0312	.03070	9.4334	1.0	F
9010	14228.09	24 42N	102 57E	76.6	187.2	3.232	-3.15	73.6	S0312	.03070	9.4664	0.4	F
9011	14230.89	24 42N	102 57E	75.8	187.2	3.232	-2.80	73.6	S0312	.03070	9.6727	1.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
999	9012	14234.09	24 40N	102 56E	76.9	187.1	3.232	-2.45	73.6	SO312	.03070	9.4251	0.6	A
	9013	14242.49	23 41N	102 57E	78.0	187.1	3.232	4.90	73.6	SO312	.03070	9.3096	0.6	F
	9014	14245.29	23 41N	102 57E	77.3	187.1	3.232	5.25	73.7	SO312	.03070	9.4911	0.6	V
	9015	14393.69	13 44N	100 35E	83.5	186.7	3.439	-14.35	69.1	SO312	.03070	8.6576	0.8	A
	9016	14405.09	12 41N	100 54E	81.8	186.7	3.232	5.60	68.9	SO312	.04070	8.9382	0.8	V
	9017	14408.29	12 40N	100 53E	83.0	186.7	3.232	5.95	68.9	SO312	.04070	8.8823	0.6	A
1000	9001	19076.89	56 7N	90 28E	81.8	191.8	2.037	21.70	56.4	SO312	.02200	8.9052	0.6	F
	9002	19079.69	56 7N	90 29E	81.0	191.7	2.037	22.05	56.4	SO312	.03070	9.0785	0.6	V
	9003	19089.69	55 18N	89 46E	77.7	191.5	2.181	14.00	57.0	SO312	.03070	9.3673	0.6	F
	9004	19095.29	55 18N	89 45E	77.7	191.4	2.037	14.35	57.0	SO312	.03070	9.3261	0.6	A
	9005	19592.89	21 8N	79 34E	83.8	187.0	3.092	-24.50	72.4	SO312	.03070	8.7401	0.6	V
	9006	19596.09	21 7N	79 34E	84.5	187.0	3.092	-23.80	72.4	SO312	.03070	8.5833	0.4	A
	9007	19712.49	12 36N	78 50E	83.5	186.7	3.439	7.70	68.9	SO312	.03070	8.6823	0.6	F
	9008	19715.49	12 36N	78 49E	82.7	186.7	3.232	8.05	68.9	SO312	.03070	8.8474	0.4	V
1001	9001	24452.49	51 38N	66 1E	76.1	190.5	2.390	9.45	60.2	SO312	.03070	9.5571	0.4	F
	9002	24457.69	51 15N	66 12E	79.4	190.5	2.390	17.85	60.6	SO312	.03070	9.1693	0.4	F
	9003	24461.89	51 8N	66 13E	79.3	190.4	2.181	19.60	60.7	SO312	.03070	9.2765	0.4	V
	9004	24464.69	51 9N	66 13E	80.5	190.4	2.181	19.95	60.7	SO312	.03070	9.0207	0.6	A
	9005	24468.49	50 53N	66 10E	81.1	190.3	2.181	21.00	60.9	SO312	.03070	8.9464	0.4	A
	9006	24536.09	45 60N	63 40E	74.5	189.4	2.530	-5.25	64.6	SO312	.03070	9.7387	0.6	F
	9007	24538.89	45 59N	63 40E	73.7	189.4	2.530	-4.90	64.6	SO312	.03070	9.9698	0.4	V
	9008	24541.49	45 60N	63 40E	74.6	189.3	2.530	-4.90	64.6	SO312	.03070	9.7470	0.6	A
	9009	24658.89	37 33N	61 43E	75.7	188.2	2.881	4.90	70.4	SO312	.03070	9.6067	0.6	F
	9010	24661.69	37 32N	61 43E	74.9	188.2	2.881	5.25	70.5	SO312	.03070	9.8047	0.4	V
1002	9001	29513.69	68 8N	53 49E	80.4	197.9	1.338	16.10	45.2	SO312	.02200	9.0372	0.6	F
	9002	29516.69	68 8N	53 48E	79.4	197.7	1.338	16.10	45.2	SO312	.02200	9.2518	0.6	V
	9003	29520.89	67 43N	53 6E	78.5	197.5	1.338	11.20	45.6	SO312	.04070	9.2518	0.4	F
	9004	29523.69	67 42N	53 6E	77.6	197.4	1.338	11.55	45.6	SO312	.04070	9.4664	0.4	V
	9005	29524.69	67 38N	53 2E	77.6	197.3	1.338	11.55	45.6	SO312	.04070	9.4664	0.6	V
	9006	29527.49	67 39N	53 3E	78.6	197.2	1.338	11.90	45.6	SO312	.04070	9.2353	0.8	A
	9007	29616.69	61 24N	48 5E	75.7	193.7	1.690	3.15	51.5	SO312	.04070	9.5984	1.0	F
	9008	29622.29	61 23N	48 5E	75.7	193.6	1.690	3.85	51.5	SO312	.04070	9.5902	0.8	A
	9009	29664.49	58 28N	45 31E	78.1	192.4	1.690	-19.95	54.0	SO312	.04070	9.4003	0.6	V
	9010	29667.29	58 28N	45 31E	78.8	192.4	1.690	-19.60	54.0	SO312	.03070	9.2270	0.6	A
	9011	29693.49	56 21N	43 53E	89.4	191.8	1.484	-34.30	55.7	SO312	.03070	8.0799	1.0	F
	9012	29696.69	56 21N	43 52E	88.3	191.7	1.484	-34.30	55.7	SO312	.03070	8.3027	1.0	V
	9013	29701.09	56 15N	44 4E	84.9	191.6	1.690	-29.75	55.9	SO312	.03070	8.5750	0.6	A
	9014	29707.29	55 35N	44 9E	79.2	191.5	1.826	-22.75	56.5	SO312	.03070	9.2683	0.4	V
	9015	29712.89	55 25N	43 51E	83.2	191.4	1.826	-27.65	56.6	SO312	.03070	8.7401	1.2	A
	9016	29718.49	54 52N	43 24E	86.1	191.3	1.826	-32.55	57.0	SO312	.03070	8.5173	0.8	V
	9017	29721.69	54 51N	43 25E	86.8	191.2	1.826	-32.20	57.0	SO312	.03070	8.3770	0.8	A
	9018	29738.69	53 14N	45 4E	81.8	190.9	2.037	23.45	58.9	SO312	.03070	8.9794	0.6	V
	9019	29741.69	53 14N	45 4E	83.0	190.9	2.037	23.80	58.9	SO312	.03070	8.7318	0.6	A
	9020	29747.49	52 31N	44 16E	76.3	190.8	2.390	10.15	59.4	SO312	.03070	9.5241	0.8	F
	9021	29752.89	52 31N	44 16E	76.6	190.7	2.181	11.20	59.4	SO312	.03070	9.4746	1.0	A
	9022	29765.29	51 33N	43 19E	73.7	190.5	2.181	-5.95	60.1	SO312	.03070	9.9615	0.6	V
	9023	29768.09	51 33N	43 18E	74.6	190.4	2.390	-5.95	60.1	SO312	.03070	9.7470	0.6	A
	9024	29801.89	48 40N	43 49E	91.5	189.9	2.181	32.90	62.9	SO312	.03070	7.9808	1.0	F
	9025	29805.09	48 41N	43 48E	90.4	189.9	2.181	32.90	62.9	SO312	.03070	8.1459	1.0	V
	9026	29819.29	47 39N	42 24E	75.1	189.7	2.530	4.90	63.4	SO312	.03070	9.6809	1.0	F
	9027	29826.09	47 10N	42 25E	76.5	189.6	2.530	10.50	63.9	SO312	.03070	9.5159	0.6	F
	9028	29831.49	47 10N	42 25E	76.7	189.5	2.390	11.20	63.9	SO312	.03070	9.4581	0.8	A
	9029	29852.69	45 28N	40 40E	82.1	189.3	2.181	-26.95	64.7	SO312	.03070	8.7979	1.0	F
	9030	29858.49	45 28N	40 40E	81.8	189.2	2.390	-26.60	64.7	SO312	.03070	8.8969	1.0	A
	9031	29863.89	44 43N	40 4E	90.8	189.2	2.181	-36.75	65.1	SO312	.03070	7.9396	1.0	F
	9032	29867.09	44 43N	40 3E	89.8	189.1	2.181	-36.75	65.1	SO312	.03070	8.1624	1.0	V
	9033	29872.49	44 32N	40 18E	83.6	189.1	2.390	-29.40	65.4	SO312	.03070	8.7071	0.4	A
	9034	29903.09	41 58N	41 53E	95.8	188.8	2.037	37.10	68.2	SO312	.01650	7.6590	1.0	V
	9035	29906.69	41 58N	41 53E	97.5	188.7	2.037	37.45	68.2	SO312	.01650	7.4031	1.0	A
	9036	30015.09	34 33N	37 38E	90.2	187.9	2.390	-36.40	71.1	SO312	.01650	8.1294	0.8	V
	9037	30018.29	34 34N	37 38E	90.9	187.9	2.390	-36.05	71.1	SO312	.01650	8.0056	1.0	A
	9038	30039.69	32 34N	38 12E	75.6	187.7	3.092	-4.55	72.6	SO312	.02200	9.6067	0.8	F
	9039	30045.09	32 34N	38 12E	75.6	187.7	3.092	-3.50	72.6	SO312	.02200	9.5902	1.0	A
	9040	30105.29	28 20N	36 33E	86.0	187.4	2.738	-30.80	72.9	SO312	.03070	8.5255	0.6	V
	9041	30108.49	28 19N	36 32E	86.8	187.4	2.738	-30.45	72.9	SO312	.03070	8.3770	0.6	A
	9042	30892.69	25 44S	28 1E	112.0	187.2	2.738	15.05	36.0	SO312	.03070	6.4293	0.6	V
	9043	30896.89	25 44S	28 1E	113.9	187.2	2.738	15.40	36.0	SO312	.03070	6.2064	0.6	A
	9044	30905.09	26 19S	28 48E	137.9	187.3	1.826	35.70	35.8	SO312	.02200	5.1088	1.0	A
1003	9001	34973.69	58 24N	24 32E	75.9	192.4	2.037	7.00	54.2	SO312	.04070	9.5571	0.6	A
	9002	35368.49	31 12N	16 34E	84.5	187.6	2.530	24.15	73.6	SO312	.03070	8.6906	0.4	V
	9003	35371.49	31 12N	16 34E	85.9	187.6	2.530	24.50	73.6	SO312	.03070	8.4100	0.6	A
1004	9001	40632.49	34 19N	6 35W	88.9	187.9	2.530	-35.00	71.2	SO312	.01650	8.2284	0.6	V
	9002	40635.69	34 19N	6 35W	89.9	187.8	2.738	-35.00	71.2	SO312	.01650	8.0881	0.6	A
1005	9001	46522.29	5 54S	35 15W	91.9	186.5	3.439	-2.80	54.0	SO312	.03070	7.9065	0.4	V
	9002	46525.69	5 54S	35 15W	93.2	186.5	3.439	-2.10	54.0	SO312	.03070	7.6837	0.4	A
1006	9001	52076.49	22 57S	59 31W	117.6	187.1	2.530	24.50	38.7	SO312	.03070	6.1322	1.0	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1006 9002	52199.69	31 40S	60 47W	136.2	187.6	2.181	31.50	30.6	SO312	.03070	5.2491	1.4	F
9003	52204.29	31 38S	60 49W	134.4	187.6	2.181	31.15	30.6	SO312	.03070	5.3399	0.8	V
9004	52209.49	31 39S	60 46W	139.0	187.7	1.826	32.90	30.6	SO312	.03070	5.0675	0.6	A
9005	52218.49	32 45S	62 11W	114.8	187.7	2.738	5.60	29.1	SO312	.03070	6.2064	1.4	F
9006	52224.69	32 35S	62 18W	114.6	187.7	2.738	2.80	29.2	SO312	.03070	6.1652	1.4	A
9007	52229.29	33 12S	62 24W	113.5	187.8	2.738	3.15	28.7	SO312	.04070	6.3220	1.4	V
9008	52232.89	33 26S	62 26W	113.8	187.8	2.738	3.50	28.4	SO312	.04070	6.3055	0.8	V
9009	52237.89	33 30S	62 11W	118.1	187.8	2.738	10.50	28.5	SO312	.03070	5.9753	0.6	A
9010	52240.69	33 42S	62 14W	118.1	187.8	2.738	10.15	28.3	SO312	.03070	5.9753	0.6	A
9011	52245.49	34 1S	62 12W	119.8	187.9	2.530	12.95	28.0	SO312	.03070	5.8846	2.2	A
9012	52261.69	35 36S	63 29W	117.1	188.0	3.092	-10.85	26.2	SO312	.04070	6.0661	1.4	F
9013	52267.09	35 39S	63 45W	118.2	188.0	3.092	-10.10	26.0	SO312	.04070	6.0661	1.6	V
1008 9001	62055.69	20 5N	97 3W	79.3	186.9	3.232	-7.70	72.4	SO312	.03070	9.1280	0.6	F
9002	62058.49	20 5N	97 3W	78.5	186.9	3.232	-7.35	72.4	SO312	.03070	9.3343	0.6	V
1013 9001	1654.49	57 29N	161 59E	76.7	192.1	1.826	-17.15	54.9	SO312	.03070	9.5654	0.6	V
9002	1657.29	57 29N	161 60E	77.5	192.0	1.826	-16.80	54.9	SO312	.03070	9.3756	0.6	A
1014 9001	7057.69	51 1N	136 52E	84.5	190.4	1.826	-29.75	60.3	SO312	.02200	8.5585	0.4	F
9002	7059.09	50 55N	136 50E	84.5	190.4	1.826	-29.75	60.4	SO312	.02200	8.5503	0.6	F
9003	7062.09	50 55N	136 50E	83.4	190.3	2.037	-29.75	60.4	SO312	.02200	8.8061	0.6	V
9004	7066.89	50 33N	137 3E	78.3	190.2	2.037	-21.70	60.8	SO312	.04070	9.3838	0.4	V
9005	7069.69	50 33N	137 3E	79.0	190.2	2.037	-21.35	60.8	SO312	.04070	9.2105	0.4	A
9006	7075.09	50 2N	136 28E	85.1	190.1	2.037	-31.85	61.1	SO312	.03070	8.6328	0.4	V
9007	7078.09	50 3N	136 28E	85.8	190.1	2.037	-31.50	61.1	SO312	.03070	8.4925	0.6	A
9008	7095.69	48 51N	135 59E	88.0	189.8	2.037	-33.95	62.0	SO312	.02200	8.2779	0.4	A
1015 9001	12183.48	63 45N	121 35E	76.1	194.7	1.484	-5.95	49.3	SO312	.03070	9.5406	0.8	A
9002	12369.28	50 46N	115 58E	74.8	190.3	2.390	4.90	60.9	SO312	.03070	9.7140	1.0	F
9003	12373.08	50 42N	115 54E	73.8	190.3	2.390	3.85	60.9	SO312	.03070	9.9698	1.2	V
9004	12375.08	50 34N	115 51E	73.8	190.3	2.390	3.85	61.0	SO312	.03070	9.9696	0.4	V
9005	12377.88	50 34N	115 50E	74.6	190.2	2.390	3.85	61.0	SO312	.03070	9.7305	0.4	A
9006	12411.88	48 7N	114 31E	74.3	189.7	2.390	-11.90	62.9	SO312	.03070	9.8955	0.4	V
9007	12414.68	48 6N	114 31E	75.1	189.7	2.390	-11.55	62.9	SO312	.03070	9.6892	0.4	A
9008	12544.48	38 52N	111 37E	79.9	188.4	2.530	-24.15	69.2	SO312	.03070	9.0537	0.6	F
9009	12547.28	38 52N	111 37E	78.8	188.3	2.530	-23.80	69.2	SO312	.03070	9.3178	0.6	V
9010	12549.48	38 43N	111 35E	78.8	188.3	2.530	-23.80	69.3	SO312	.03070	9.3096	0.4	V
9011	12558.68	37 53N	111 32E	77.3	188.3	2.738	-19.60	69.9	SO312	.03070	9.3673	0.4	F
9012	12564.08	37 29N	111 49E	74.6	188.2	2.881	-6.30	70.3	SO312	.03070	9.7222	0.4	F
9013	12569.88	37 26N	111 58E	74.8	188.2	2.881	0.35	70.4	SO312	.02200	9.6974	0.6	A
9014	12575.28	37 3N	111 55E	75.1	188.1	2.881	1.75	70.7	SO312	.02200	9.6644	0.4	A
9015	12589.28	36 7N	111 32E	75.3	188.0	2.881	-3.85	71.1	SO312	.03070	9.6314	0.6	A
9016	12605.28	34 42N	112 21E	92.2	187.9	2.390	33.25	72.5	SO312	.02200	7.9643	1.2	V
9017	12608.68	34 42N	112 20E	93.5	187.9	2.181	33.60	72.5	SO312	.02200	7.7332	1.2	A
9018	12614.28	34 20N	111 52E	83.2	187.9	2.390	23.10	72.4	SO312	.03070	8.6988	0.4	A
9019	12618.28	33 50N	111 57E	87.1	187.8	2.390	28.00	72.8	SO312	.03070	8.4347	0.4	V
9020	12621.48	33 50N	111 57E	88.5	187.8	2.390	28.35	72.8	SO312	.02200	8.1706	0.4	A
9021	12634.68	32 37N	110 51E	75.8	187.7	3.092	-0.35	72.6	SO312	.03070	9.5902	0.8	F
9022	12640.08	32 37N	110 52E	76.0	187.7	3.092	0.70	72.7	SO312	.03070	9.5406	0.8	A
9023	12680.08	29 37N	110 44E	80.8	187.5	2.738	20.30	73.9	SO312	.03070	9.0867	0.4	V
9024	12683.08	29 37N	110 44E	82.1	187.5	2.738	20.65	73.9	SO312	.03070	8.8061	0.4	A
9025	12905.88	14 2N	108 1E	96.3	186.7	2.530	30.45	70.3	SO312	.02200	7.6012	0.8	V
9026	12909.48	14 2N	108 1E	98.1	186.7	2.530	30.80	70.3	SO312	.01650	7.3288	0.8	A
9027	12948.68	10 57N	106 52E	84.9	186.6	3.439	8.40	67.8	SO312	.03070	8.5420	0.6	F
9028	12954.08	10 48N	106 43E	83.1	186.6	3.439	4.20	67.6	SO312	.04070	8.7979	0.8	V
9029	12957.08	10 49N	106 43E	84.3	186.6	3.439	4.55	67.6	SO312	.03070	8.5503	0.6	A
9030	12965.48	10 15N	106 23E	83.7	186.6	3.587	-4.90	67.0	SO312	.03070	8.6163	0.6	A
9031	12969.88	9 57N	106 21E	83.8	186.6	3.587	-4.20	66.8	SO312	.03070	8.5998	0.6	A
1016 5001	17604.28	56 9N	94 31E	83.2	191.7	1.690	-28.70	56.0	SO409	.07180	8.8235	0.8	V
5002	17607.28	56 9N	94 31E	83.9	191.6	1.690	-28.35	56.0	SO409	.05370	8.6831	1.0	A
9001	17601.28	56 9N	94 30E	84.5	191.7	1.690	-29.05	56.0	SO312	.03070	8.5668	0.8	F
9002	17604.28	56 9N	94 31E	83.2	191.7	1.690	-28.70	56.0	SO312	.03070	8.8226	0.8	V
1017 5001	22965.48	52 28N	72 3E	73.6	190.7	2.181	-3.15	59.4	SO409	.07180	9.9790	0.6	V
5002	22968.28	52 28N	72 2E	74.5	190.6	2.390	-3.15	59.4	SO409	.07180	9.7644	0.6	A
9001	22831.28	61 17N	76 45E	77.7	193.7	1.826	11.90	51.7	SO312	.04070	9.3508	0.4	F
9002	22834.68	61 15N	76 37E	76.2	193.6	1.826	9.80	51.7	SO312	.04070	9.6479	0.4	V
9003	22839.28	61 5N	76 58E	80.7	193.5	1.826	18.90	51.9	SO312	.03070	8.9877	0.4	A
9004	22926.48	54 59N	74 9E	82.5	191.4	2.037	24.15	57.4	SO312	.02200	8.9134	0.6	V
9005	22929.68	54 58N	74 9E	83.9	191.3	1.826	24.85	57.4	SO312	.02200	8.6493	1.0	A
9006	23045.68	46 60N	70 10E	73.4	189.5	2.530	-4.55	63.8	SO312	.03070	10.0028	0.4	V
9007	23054.88	46 15N	70 55E	82.5	189.4	2.181	24.50	64.8	SO312	.02200	8.9217	0.8	V
9008	23062.48	45 55N	71 13E	92.8	189.3	2.037	34.30	65.2	SO312	.02200	7.7910	0.6	A
9009	23164.88	38 32N	68 40E	82.5	188.3	2.738	22.05	70.2	SO312	.02200	8.8391	0.8	F
9010	23170.68	38 33N	68 41E	83.4	188.3	2.530	23.45	70.2	SO312	.02200	8.6823	1.0	A
9011	23193.08	36 44N	67 13E	76.3	188.1	2.881	-12.95	70.6	SO312	.02200	9.4994	0.8	F
9012	23198.48	36 44N	67 13E	76.1	188.1	2.881	-11.90	70.6	SO312	.02200	9.5406	0.8	A
9013	23288.28	30 14N	67 4E	92.0	187.5	2.390	32.90	74.1	SO312	.02200	7.9808	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1017 9014	23291.68	30 14N	67 4E	93.8	187.5	2.181	33.60	74.1	S0312	.02200	7.7002	0.4	A
9015	23308.88	28 48N	64 55E	87.8	187.4	2.738	-32.20	72.8	S0312	.02200	8.2284	0.4	F
9016	23311.88	28 49N	64 55E	86.3	187.4	2.738	-31.50	72.9	S0312	.02200	8.5090	0.8	V
9017	23315.48	28 47N	64 54E	87.3	187.4	3.092	-31.85	72.9	S0312	.02200	8.3357	0.4	A
1018 5001	28259.28	53 15N	50 19E	74.6	190.9	2.181	-1.05	58.7	S0409	.07180	9.7231	0.6	F
5002	28264.68	53 14N	50 19E	74.7	190.8	2.181	-0.35	58.8	S0409	.07180	9.7231	0.6	A
9001	28079.88	65 14N	57 18E	78.5	195.8	1.484	12.60	48.0	S0312	.04070	9.2600	0.8	F
9002	28085.48	65 14N	57 19E	78.7	195.8	1.484	13.30	48.0	S0312	.04070	9.2270	0.8	A
9003	28097.68	64 11N	56 17E	76.8	195.1	1.484	-10.85	48.9	S0312	.04070	9.4251	0.8	F
9004	28103.08	64 12N	55 17E	76.7	194.9	1.484	-10.50	48.8	S0312	.04070	9.4664	1.0	A
9005	28110.88	63 36N	53 44E	86.2	194.6	1.338	-30.80	49.3	S0312	.03070	8.5173	1.2	V
9006	28114.68	63 34N	53 45E	86.5	194.5	1.338	-30.10	49.3	S0312	.03070	8.4017	0.6	A
9007	28177.48	58 50N	52 14E	76.3	192.7	1.826	-12.25	53.8	S0312	.04070	9.4911	0.6	F
9008	28180.28	58 49N	52 14E	75.3	192.6	1.826	-11.90	53.8	S0312	.04070	9.7470	0.6	V
9009	28189.08	57 52N	53 13E	81.3	192.4	2.037	20.30	54.8	S0312	.03070	8.9547	0.6	F
9010	28191.88	57 53N	53 13E	80.4	192.3	1.826	20.65	54.8	S0312	.03070	9.1610	0.6	V
9011	28197.88	57 27N	53 12E	83.1	192.2	1.826	24.85	55.2	S0312	.03070	8.8556	0.4	V
9012	28202.88	56 53N	53 11E	87.9	192.1	2.037	29.05	55.8	S0312	.03070	8.2862	1.0	F
9013	28206.48	56 50N	53 10E	87.3	192.0	1.826	29.75	55.8	S0312	.03070	8.4347	0.6	V
9014	28217.68	56 16N	51 17E	74.3	191.7	2.037	-7.35	56.1	S0312	.04070	9.8873	0.6	V
9015	28220.48	56 16N	51 17E	75.1	191.7	2.037	-7.00	56.1	S0312	.04070	9.6727	0.4	A
9016	28228.28	55 38N	51 17E	74.9	191.5	2.037	16.45	56.8	S0312	.03070	9.1940	1.0	A
9017	28249.08	53 58N	50 19E	75.1	191.1	2.181	-8.40	58.1	S0312	.03070	9.6562	0.6	F
9018	28254.28	53 56N	50 19E	75.0	191.0	2.181	-7.70	58.1	S0312	.03070	9.6892	0.8	A
9019	28259.28	53 14N	50 18E	74.7	190.9	2.181	-1.05	58.7	S0312	.03070	9.7222	1.0	F
9020	28264.68	53 14N	50 18E	74.7	190.8	2.181	-0.35	58.8	S0312	.03070	9.7222	0.8	A
9021	28281.48	51 50N	48 34E	86.4	190.6	1.826	-31.85	59.6	S0312	.03070	8.3605	0.8	F
9022	28284.48	51 50N	48 35E	85.1	190.5	1.826	-31.50	59.6	S0312	.03070	8.6163	0.8	V
9023	28333.08	48 12N	48 37E	74.7	189.8	2.530	0.35	62.9	S0312	.03070	9.7305	0.8	F
9024	28338.28	47 53N	48 10E	75.2	189.7	2.530	-10.15	63.1	S0312	.03070	9.6397	1.0	F
9025	28343.68	47 53N	48 9E	75.2	189.7	2.530	-9.80	63.1	S0312	.03070	9.6644	1.0	A
9026	28359.28	46 26N	47 55E	74.6	189.5	2.530	-4.20	64.3	S0312	.03070	9.7305	1.0	F
9027	28364.68	46 26N	47 55E	74.6	189.4	2.530	-3.50	64.3	S0312	.03070	9.7305	1.0	A
9028	28397.08	43 59N	47 38E	75.7	189.0	2.530	10.15	66.3	S0312	.04070	9.7140	0.6	V
9029	28399.88	43 59N	47 38E	76.7	189.0	2.530	10.50	66.3	S0312	.04070	9.4581	0.6	A
9030	28406.68	43 8N	47 21E	76.2	189.0	2.738	8.40	66.9	S0312	.03070	9.5489	0.4	F
9031	28410.88	43 1N	47 31E	77.6	188.9	2.530	15.05	67.1	S0312	.04070	9.4829	0.6	V
9032	28413.88	43 0N	47 31E	78.7	188.9	2.530	15.40	67.1	S0312	.04070	9.2188	0.6	A
9033	28419.08	42 38N	47 44E	84.3	188.8	2.390	24.85	67.5	S0312	.03070	8.5833	0.6	A
9034	28429.48	41 51N	46 17E	75.5	188.7	2.530	-15.05	67.5	S0312	.03070	9.7222	0.4	V
9035	28435.28	41 28N	46 3E	76.9	188.7	2.530	-19.60	67.7	S0312	.02200	9.5406	0.6	V
9036	28440.48	41 9N	45 34E	84.4	188.6	2.390	-31.15	67.7	S0312	.03070	8.6906	0.4	V
9037	28443.48	41 9N	45 34E	85.2	188.6	2.390	-30.80	67.7	S0312	.03070	8.5420	0.6	A
9038	28464.88	39 15N	45 25E	79.3	188.4	2.530	-22.40	69.0	S0312	.03070	9.1115	0.4	F
9039	28468.08	39 13N	45 27E	77.6	188.4	2.738	-20.65	69.1	S0312	.03070	9.4664	0.6	V
9040	28475.28	38 33N	44 58E	84.9	188.3	2.390	-30.80	69.3	S0312	.03070	8.5090	0.8	F
9041	28478.28	38 33N	44 58E	83.7	188.3	2.390	-30.45	69.3	S0312	.03070	8.7731	0.6	V
9042	28491.48	37 30N	45 56E	75.8	188.2	2.738	10.85	70.6	S0312	.03070	9.6892	0.6	V
9043	28494.28	37 30N	45 56E	76.9	188.2	2.738	11.20	70.6	S0312	.03070	9.4168	0.6	A
9044	28502.08	36 50N	45 17E	73.8	188.1	2.881	-6.65	70.7	S0312	.03070	9.9450	0.6	V
9045	28504.88	36 50N	45 17E	74.7	188.1	2.881	-6.30	70.7	S0312	.03070	9.7140	0.6	A
9046	28511.08	36 11N	45 29E	74.7	188.1	2.881	6.30	71.2	S0312	.03070	9.8295	0.6	V
9047	28513.88	36 10N	45 29E	75.7	188.0	2.881	6.65	71.2	S0312	.03070	9.5737	0.6	A
9048	28519.48	35 35N	45 27E	76.1	188.0	2.881	9.80	71.6	S0312	.03070	9.6562	0.6	V
9049	28522.48	35 35N	45 26E	77.2	188.0	2.881	10.15	71.6	S0312	.03070	9.3921	0.4	A
9050	28537.88	34 19N	45 10E	76.8	187.9	2.881	10.15	72.2	S0312	.03070	9.5654	0.8	V
9051	28540.88	34 19N	45 9E	77.9	187.9	2.881	10.50	72.2	S0312	.03070	9.3013	0.6	A
9052	28550.08	33 22N	44 23E	76.6	187.8	2.881	-10.85	72.2	S0312	.01650	9.4581	0.6	F
9053	28554.48	33 14N	44 32E	75.1	187.8	2.881	-4.20	72.3	S0312	.03070	9.7800	0.6	V
9054	28557.28	33 14N	44 31E	76.0	187.8	3.092	-4.20	72.3	S0312	.03070	9.5406	0.6	A
9055	28910.48	8 34N	39 15E	90.1	186.6	3.439	-24.50	65.4	S0312	.03070	7.9973	1.0	F
9056	28913.68	8 34N	39 15E	89.0	186.6	3.439	-24.15	65.4	S0312	.03070	8.2119	1.0	V
9057	29049.48	0 28S	37 28E	99.5	186.5	3.587	-29.40	58.2	S0312	.02200	7.2381	1.2	A
9058	29190.68	10 38S	35 36E	104.0	186.6	3.232	-30.10	49.2	S0312	.03070	6.6108	1.4	F
9059	29313.28	18 58S	33 24E	134.4	186.9	2.881	-42.35	41.3	S0312	.02200	5.2821	1.0	F
9060	29318.08	18 58S	33 23E	132.8	186.9	3.092	-42.35	41.3	S0312	.02200	5.4389	1.0	V
9061	29449.88	27 59S	32 27E	114.9	187.4	3.232	-20.65	33.2	S0312	.03070	6.2642	0.8	V
9062	29454.08	27 59S	32 27E	116.2	187.4	3.439	-20.30	33.3	S0312	.03070	6.1156	0.8	A
1019 5001	34475.48	9 4S	15 58E	124.9	186.6	2.181	38.50	51.8	S0409	.04000	5.8107	0.6	V
5002	34480.28	9 4S	15 58E	127.6	186.6	1.826	39.20	51.8	S0409	.04000	5.5796	0.6	A
5003	34559.08	14 52S	13 34E	98.7	186.7	3.439	-2.80	45.8	S0409	.05370	7.2800	0.6	F
5004	34562.68	14 52S	13 35E	97.9	186.7	3.439	-2.10	45.8	S0409	.05370	7.4038	0.6	V
5005	34572.28	15 35S	14 4E	105.8	186.8	2.881	18.20	45.5	S0409	.05370	6.8425	0.8	V
5006	34576.28	15 35S	14 4E	107.7	186.8	2.881	18.55	45.5	S0409	.05370	6.6114	0.6	A
9001	33414.68	63 46N	34 20E	79.9	194.8	1.690	16.80	49.4	S0312	.04070	9.0785	0.6	A
9002	33466.08	60 7N	30 30E	78.4	193.2	1.690	-17.85	52.6	S0312	.04070	9.2435	0.8	F
9003	33471.68	60 7N	30 31E	78.0	193.0	1.826	-17.15	52.6	S0312	.04070	9.3178	0.8	A
9004	33582.48	52 13N	28 58E	85.8	190.7	2.037	28.35	59.9	S0312	.03070	8.5668	0.4	V
9005	33587.08	52 6N	29 8E	91.2	190.6	1.826	32.90	60.0	S0312	.03070	7.9478	0.4	A
9006	33863.68	32 56N	22 11E	76.7	187.8	2.881	-10.85	72.3	S0312	.04070	9.4499	0.4	F
9007	33866.48	32 56N	22 11E	75.8	187.8	2.881	-10.50	72.3	S0312	.04070	9.6809	0.4	V
9008	33869.28	32 56N	22 11E	76.7	187.7	3.092	-10.15	72.3	S0312	.04070	9.4664	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1019 9009	34057.28	19 36N	19 36E	79.5	186.9	3.232	-7.00	72.2	SO312	.03070	9.1032	0.6	F
9010	34063.08	19 35N	19 35E	79.7	186.9	3.439	-6.30	72.2	SO312	.03070	9.0785	0.4	A
9011	34084.48	17 56N	19 7E	80.5	186.8	3.232	-12.95	71.4	SO312	.03070	9.0950	0.4	V
9012	34087.48	17 56N	19 7E	81.5	186.8	3.439	-12.95	71.4	SO312	.03070	8.8804	0.4	A
1020 9001	38887.28	52 22N	6 42E	82.1	190.7	2.037	23.80	59.7	SO312	.03070	8.9547	0.6	V
9002	38890.28	52 22N	6 43E	83.3	190.6	2.037	24.15	59.7	SO312	.03070	8.6988	0.6	A
9003	38898.88	51 31N	5 23E	74.6	190.5	2.181	-2.80	60.2	SO312	.03070	9.7387	1.0	F
9004	38904.28	51 31N	5 23E	74.6	190.4	2.181	-2.10	60.2	SO312	.03070	9.7387	0.8	A
9005	38915.08	50 52N	4 22E	80.4	190.3	2.181	-24.15	60.5	SO312	.03070	9.0537	0.8	A
9006	38933.68	49 9N	4 27E	74.7	190.0	2.390	-7.00	62.1	SO312	.03070	9.7140	1.0	F
9007	38939.08	49 9N	4 27E	74.6	189.9	2.390	-6.30	62.1	SO312	.03070	9.7387	1.0	A
9008	39114.08	36 38N	2 12E	91.2	188.1	2.390	31.50	71.5	SO312	.02200	7.9973	0.6	F
9009	39117.28	36 38N	2 12E	90.7	188.1	2.181	32.20	71.5	SO312	.02200	8.1129	0.6	V
9010	39133.68	35 42N	0 12E	81.9	188.0	2.738	-26.95	70.8	SO312	.03070	8.9547	0.8	V
9011	39136.68	35 42N	0 12E	82.7	188.0	2.738	-26.60	70.8	SO312	.03070	8.7814	0.8	A
9012	39164.48	33 35N	0 15W	81.4	187.8	2.738	-26.95	71.7	SO312	.03070	9.0124	0.6	V
9013	39167.48	33 35N	0 16W	82.3	187.8	2.738	-26.60	71.8	SO312	.03070	8.8391	0.6	A
9014	39189.08	31 54N	0 43W	84.3	187.7	2.738	-29.75	72.2	SO312	.03070	8.7071	0.8	V
9015	39192.28	31 54N	0 43W	85.1	187.6	2.738	-29.40	72.3	SO312	.03070	8.5420	0.6	A
1022 5001	50619.48	23 56S	54 58W	109.7	187.1	3.439	-16.10	37.2	SO409	.05370	6.5041	0.8	A
5002	50626.68	24 58S	55 9W	110.0	187.2	3.232	-16.10	36.2	SO409	.05370	6.4793	0.8	F
5003	50635.68	25 23S	54 36W	107.1	187.2	3.232	2.10	36.1	SO409	.05370	6.7352	0.8	V
5004	50638.88	25 19S	54 37W	108.6	187.2	3.232	1.75	36.1	SO409	.05370	6.5454	1.0	A
5005	50647.08	25 53S	54 40W	109.4	187.2	3.232	3.50	35.6	SO409	.05370	6.4958	1.0	A
5006	50679.68	28 23S	54 56W	111.9	187.4	2.881	9.80	33.3	SO409	.05370	6.4381	0.4	V
5007	50685.48	29 7S	54 37W	120.8	187.4	2.530	21.00	32.8	SO130	.05370	5.9263	0.6	F
9001	50567.48	20 56S	54 44W	114.1	187.0	3.232	-27.30	39.8	SO312	.03070	6.2477	1.4	F
9002	50583.08	22 11S	53 19W	114.6	187.0	2.881	-20.65	39.3	SO312	.03070	6.2642	2.4	F
9003	50600.88	22 31S	55 41W	132.9	187.1	3.439	-40.25	38.0	SO312	.02200	5.3729	1.0	A
9004	50604.68	23 6S	55 52W	134.7	187.1	3.232	-41.65	37.5	SO312	.03070	5.3564	1.2	V
9005	50611.48	23 12S	55 56W	137.7	187.1	3.232	-42.00	37.3	SO312	.02200	5.1996	0.8	A
9006	50696.88	29 46S	55 46W	111.3	187.5	3.092	-5.25	31.8	SO312	.03070	6.4045	1.0	F
9007	50706.48	30 14S	54 57W	119.1	187.5	2.530	18.90	31.7	SO312	.03070	6.0414	0.4	V
9008	50713.28	30 21S	55 33W	113.4	187.6	2.738	4.90	31.4	SO312	.03070	6.2312	1.4	A
9009	50721.48	30 58S	54 40W	131.9	187.6	2.181	28.70	31.2	SO312	.03070	5.3399	0.6	A
9010	50763.48	34 8S	58 15W	140.6	187.8	2.738	-37.10	27.0	SO312	.03070	5.0345	1.4	F
901I	50769.28	34 32S	58 25W	142.9	187.9	2.738	-38.15	26.6	SO312	.03070	4.9520	1.2	F
9012	50774.88	34 33S	58 25W	141.1	187.9	2.738	-37.80	26.6	SO312	.03070	5.0923	0.6	V
9013	50780.08	34 33S	58 24W	142.0	188.0	3.092	-37.45	26.6	SO312	.03070	5.0097	0.8	A
9014	50818.88	37 43S	57 25W	117.1	188.2	2.881	-0.70	24.2	SO312	.04070	6.1239	0.4	V
9015	50823.28	37 43S	57 25W	118.9	188.3	2.881	-0.35	24.3	SO312	.04070	5.9341	0.6	A
1023 9001	55434.48	9 2N	71 21W	93.9	186.6	3.232	-29.40	65.6	SO312	.02200	7.6590	0.8	F
9002	55443.08	8 38N	71 9W	86.1	186.6	3.439	-19.60	65.6	SO312	.03070	8.4843	1.4	V
9003	55571.48	0 23S	73 9W	103.1	186.5	3.232	-32.90	58.2	SO312	.02200	6.9492	1.0	F
1026 5001	69707.68	56 42N	37 7E	109.0	348.0	-1.462	33.25	-5.3	SO130	.29590	6.6279	0.6	A
1030 9001	5562.08	51 50N	143 10E	84.0	190.6	1.690	-33.60	59.6	SO312	.02200	8.2202	0.6	F
9002	5639.68	46 42N	141 52E	81.3	189.5	2.181	-27.30	63.8	SO312	.04070	9.0207	0.8	V
9003	5642.68	46 42N	141 52E	82.1	189.4	2.390	-27.30	63.8	SO312	.04070	8.8639	0.8	A
1031 9001	11006.68	42 30N	118 33E	83.1	188.8	2.181	-29.05	66.8	SO312	.03070	8.6988	0.4	F
9002	11013.88	42 8N	119 5E	73.8	188.8	2.738	-10.15	67.4	SO312	.03070	9.9533	0.6	V
9003	11023.68	41 8N	119 55E	84.3	188.7	2.530	25.20	68.6	SO312	.03070	8.6493	0.4	F
9004	11030.68	40 45N	119 8E	75.0	188.6	2.738	3.85	68.5	SO312	.03070	9.6892	0.6	F
9005	11033.48	40 45N	119 8E	74.2	188.6	2.738	4.20	68.5	SO312	.03070	9.9038	0.4	V
9006	11042.68	40 3N	119 28E	80.7	188.5	2.530	21.00	69.2	SO312	.03070	9.1115	0.4	V
9007	11045.68	40 3N	119 28E	81.9	188.5	2.530	21.35	69.2	SO312	.03070	8.8391	0.4	A
9008	11051.08	39 42N	119 14E	79.6	188.4	2.530	17.15	69.4	SO312	.03070	9.1032	0.6	A
9009	11090.68	36 43N	117 20E	80.6	188.1	2.738	-23.80	70.4	SO312	.03070	8.9794	0.6	F
9010	11097.08	36 29N	117 9E	81.8	188.1	2.530	-27.30	70.5	SO312	.03070	8.9629	0.4	V
9011	11100.08	36 29N	117 9E	82.6	188.1	2.738	-27.30	70.5	SO312	.03070	8.8061	0.4	A
9012	11111.48	35 35N	117 51E	75.4	188.0	2.881	4.55	71.5	SO312	.03070	9.6149	0.4	A
9013	11125.68	34 16N	117 15E	75.7	187.9	2.881	-7.35	71.9	SO312	.02200	9.5737	0.8	F
9014	11128.48	34 15N	117 15E	74.9	187.9	2.881	-7.00	71.9	SO312	.02200	9.8047	0.8	V
9015	11139.48	33 22N	116 29E	83.2	187.8	2.738	-26.95	71.8	SO312	.03070	8.6988	0.4	F
9016	11149.28	32 38N	117 1E	75.7	187.7	3.092	-2.80	72.6	SO312	.03070	9.5902	0.4	F
9017	11157.68	31 56N	117 40E	86.5	187.7	2.738	25.55	73.4	SO312	.02200	8.4182	0.6	F
9018	11164.48	31 56N	117 10E	78.0	187.7	2.881	9.80	73.1	SO312	.03070	9.2848	0.8	A
9019	11169.68	31 13N	116 49E	76.2	187.6	3.092	1.40	73.1	SO312	.03070	9.5324	1.2	F
9020	11176.28	31 9N	116 43E	76.0	187.6	3.092	-0.70	73.1	SO312	.03070	9.5406	0.4	A
9021	11182.88	30 39N	117 4E	80.8	187.6	2.881	16.10	73.6	SO312	.02200	8.9464	1.2	A
9022	11193.68	29 47N	116 15E	75.9	187.5	3.092	-8.05	73.3	SO312	.04070	9.6727	0.4	V
9023	11196.48	29 47N	116 15E	76.8	187.5	3.092	-7.70	73.3	SO312	.04070	9.4416	0.4	A
9024	11207.28	28 40N	115 56E	77.6	187.4	3.092	-11.90	73.3	SO312	.03070	9.3343	0.8	F
9025	11210.08	28 40N	115 56E	76.7	187.4	3.092	-11.55	73.4	SO312	.03070	9.5654	0.6	V
9026	11214.68	28 32N	115 56E	77.4	187.4	3.092	-9.80	73.4	SO312	.03070	9.3673	1.0	A
9027	11222.08	28 4N	115 34E	80.6	187.4	3.092	-20.30	73.2	SO312	.02200	9.0042	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1031 9028	11722.88	6 56S	110 25E	104.6	186.6	2.881	23.10	53.4	SO312	.03070	6.9162	0.4	F
9029	11726.48	6 56S	110 26E	104.3	186.6	2.881	23.80	53.4	SO312	.03070	6.9740	0.4	V
9030	11727.68	7 1S	110 25E	104.2	186.6	2.881	23.80	53.3	SO312	.03070	6.9740	0.8	V
9031	11731.48	7 0S	110 26E	106.4	186.6	2.881	24.50	53.4	SO312	.02200	6.7016	0.8	A
9032	11738.48	7 46S	110 27E	109.3	186.6	2.530	28.35	52.7	SO312	.02200	6.6438	0.6	V
9033	11742.48	7 46S	110 27E	111.3	186.6	2.530	28.70	52.8	SO312	.02200	6.3962	0.6	A
1032 9001	16106.68	56 39N	101 21E	78.7	191.9	1.826	-20.65	55.6	SO312	.03070	9.1858	1.2	F
9002	16112.48	56 38N	101 20E	78.5	191.8	2.037	-20.30	55.7	SO312	.03070	9.2683	1.0	A
1033 9001	21607.28	43 36N	75 14E	74.0	189.0	2.530	-10.50	66.3	SO312	.02200	9.9285	0.4	V
9002	21610.08	43 35N	75 14E	74.8	188.9	2.738	-10.50	66.3	SO312	.02200	9.7140	0.4	A
9003	21617.68	42 53N	75 0E	74.3	188.9	2.530	-11.90	66.8	SO312	.03070	9.8790	0.4	V
9004	21620.48	42 53N	74 60E	75.2	188.8	2.738	-11.90	66.8	SO312	.03070	9.6644	0.4	A
9005	21742.68	34 8S	72 42E	78.3	187.9	2.881	-18.55	71.7	SO312	.03070	9.2435	0.6	F
9006	21747.68	33 47N	72 46E	76.6	187.8	2.881	-13.30	72.0	SO312	.02200	9.4581	0.4	F
9007	21750.28	33 47N	72 46E	75.7	187.8	2.881	-12.95	72.0	SO312	.02200	9.6974	0.4	V
9008	21760.68	32 57N	73 43E	86.9	187.8	2.530	27.65	73.1	SO312	.02200	8.4512	0.8	V
9009	21763.88	32 57N	73 43E	88.4	187.7	2.530	28.00	73.1	SO312	.02200	8.1789	0.8	A
9010	21792.08	30 46N	73 21E	90.9	187.6	2.390	31.15	73.9	SO312	.02200	8.0716	1.0	V
9011	21795.48	30 46N	73 21E	92.4	187.6	2.390	31.50	73.9	SO312	.02200	7.7993	1.0	A
9012	21844.48	27 4N	71 49E	77.9	187.3	3.092	5.25	73.8	SO312	.03070	9.3261	0.8	F
9013	21850.08	27 4N	71 49E	78.3	187.3	3.092	6.30	73.9	SO312	.03070	9.2353	0.8	A
1034 5001	26844.87	48 11N	53 41E	85.7	189.8	2.037	-31.50	62.6	SO130	.02210	8.4355	0.6	F
5002	26847.67	48 11N	53 41E	84.4	189.7	2.037	-31.15	62.6	SO130	.02210	8.6996	0.6	V
9001	26560.48	67 30N	63 60E	76.1	197.1	1.338	-10.50	45.8	SO312	.03070	9.6397	0.6	V
9002	26563.27	67 30N	64 0E	76.9	197.0	1.338	-10.15	45.8	SO312	.03070	9.4416	0.6	A
9003	26690.07	58 41N	59 48E	79.6	192.6	1.826	19.60	54.1	SO312	.03070	9.2435	0.8	V
9004	26693.07	58 40N	59 48E	80.7	192.5	1.826	19.95	54.1	SO312	.03070	8.9959	0.8	A
9005	26708.67	57 27N	56 59E	85.3	192.1	1.484	-30.10	54.9	SO312	.03070	8.4678	0.8	F
9006	26712.07	57 26N	56 58E	84.5	192.1	1.690	-30.45	54.9	SO312	.03070	8.6906	0.4	V
9007	26715.47	57 25N	56 52E	86.6	192.0	1.690	-31.85	54.9	SO312	.03070	8.3935	0.4	A
9008	26716.47	57 21N	56 50E	86.6	192.0	1.690	-31.85	54.9	SO312	.03070	8.4017	0.4	A
9009	26725.07	56 46N	56 36E	86.4	191.8	1.826	-31.85	55.4	SO312	.02200	8.4017	0.4	A
9010	26746.27	54 54N	56 6E	83.0	191.4	1.690	-27.65	57.1	SO312	.03070	8.7153	1.0	F
9011	26750.27	54 49N	56 4E	81.9	191.3	1.690	-27.30	57.2	SO312	.03070	8.9712	0.6	V
9012	26753.27	54 49N	56 4E	82.6	191.2	2.037	-27.30	57.2	SO312	.03070	8.8144	0.6	A
9013	26763.07	53 44N	55 59E	78.6	191.0	2.037	-20.65	58.2	SO312	.03070	9.2105	0.8	F
9014	26765.87	53 43N	55 59E	77.6	191.0	2.037	-20.30	58.2	SO312	.03070	9.4664	0.8	V
9015	26769.87	53 26N	55 59E	76.4	190.9	2.037	-17.50	58.5	SO312	.03070	9.6149	0.4	V
9016	26773.07	53 25N	55 54E	78.0	190.9	2.037	-19.25	58.5	SO312	.03070	9.3261	0.6	A
9017	26779.27	52 48N	55 47E	76.0	190.8	2.037	-16.80	59.0	SO312	.03070	9.6644	0.6	V
9018	26782.07	52 48N	55 47E	76.8	190.7	2.037	-16.45	59.0	SO312	.03070	9.4664	0.6	A
9019	26794.07	51 49N	55 8E	79.7	190.5	2.037	-24.50	59.7	SO312	.03070	9.2188	0.6	V
9020	26797.07	51 49N	55 8E	80.4	190.5	2.037	-24.15	59.8	SO312	.03070	9.0455	0.4	A
9021	26844.87	48 10N	53 41E	85.7	189.8	2.037	-31.50	62.6	SO312	.03070	8.4347	0.6	F
9022	26847.87	48 10N	53 41E	84.4	189.7	2.037	-31.15	62.6	SO312	.03070	8.6988	0.6	V
9023	26852.27	47 52N	53 43E	82.0	189.7	2.037	-28.00	62.9	SO312	.03070	8.9547	0.6	V
9024	26855.27	47 52N	53 44E	82.7	189.6	2.037	-27.65	62.9	SO312	.03070	8.7979	0.6	A
9025	27024.27	35 47N	51 29E	74.7	188.0	2.881	0.35	71.3	SO312	.03070	9.7222	0.6	F
9026	27026.87	35 48N	51 29E	74.0	188.0	2.881	0.70	71.3	SO312	.03070	9.9368	0.6	V
9027	27470.47	5 7N	45 8E	88.0	186.5	3.587	-15.05	63.0	SO312	.03070	8.1954	0.8	F
9028	27473.47	5 8N	45 8E	87.0	186.5	3.587	-14.70	63.0	SO312	.03070	8.3770	1.0	V
9029	27517.27	2 2N	45 20E	91.6	186.5	3.092	14.35	61.0	SO312	.03070	7.9561	0.4	V
9030	27520.67	2 2N	45 21E	93.2	186.5	3.092	15.05	61.0	SO312	.03070	7.6837	0.4	A
1035 5001	31927.27	62 60N	40 47E	87.4	194.6	1.690	28.35	50.2	SO130	.02210	8.3282	0.4	F
5002	31930.27	63 0N	40 47E	86.5	194.5	1.484	28.70	50.2	SO130	.02210	8.4850	0.6	V
5003	32020.27	56 47N	37 9E	85.6	192.0	2.037	26.95	55.9	SO130	.02210	8.5098	0.6	F
5004	32023.27	56 47N	37 8E	84.7	191.9	1.826	27.30	55.9	SO130	.02210	8.6914	0.6	V
5005	32113.27	50 59N	31 59E	94.5	190.3	1.690	-40.25	60.2	SO130	.01660	7.7669	3.4	V
5006	32119.67	50 47N	31 51E	97.2	190.2	1.690	-41.30	60.4	SO130	.01660	7.5028	3.6	A
5007	32149.87	48 33N	32 18E	76.3	189.8	2.390	-15.40	62.5	SO130	.02210	9.5333	0.6	A
5008	32161.07	47 39N	33 24E	84.0	189.6	2.181	25.20	63.7	SO130	.02210	8.6419	0.6	A
9001	31910.07	64 38N	39 15E	78.5	195.2	1.484	-19.25	48.4	SO312	.04070	9.3673	0.4	V
9002	31913.07	64 37N	39 15E	79.2	195.1	1.484	-18.90	48.4	SO312	.04070	9.1858	0.4	A
9003	31927.07	63 0N	40 48E	87.4	194.6	1.690	28.35	50.2	SO312	.03070	8.3274	0.6	F
9004	31930.27	62 60N	40 47E	86.5	194.5	1.484	28.70	50.2	SO312	.03070	8.4843	1.2	V
9005	31934.27	62 56N	40 45E	87.8	194.4	1.484	29.05	50.2	SO312	.03070	8.2367	0.4	A
9006	31939.07	62 39N	40 9E	82.6	194.2	1.690	22.40	50.5	SO312	.03070	8.7814	0.2	A
9007	31983.07	59 21N	37 59E	79.8	192.9	1.826	18.20	53.5	SO312	.03070	9.1197	0.4	F
9008	31988.47	59 9N	38 3E	80.8	192.8	1.826	21.70	53.7	SO312	.03070	9.1032	0.6	V
9009	31991.47	59 9N	38 3E	82.0	192.7	1.826	22.05	53.7	SO312	.03070	8.8474	0.6	A
9010	32020.27	56 46N	37 9E	85.6	192.0	2.037	26.95	55.9	SO312	.03070	8.5090	0.6	F
9011	32023.27	56 47N	37 8E	84.7	191.9	1.826	27.30	55.9	SO312	.03070	8.6906	1.0	V
9012	32026.87	56 45N	37 7E	86.0	191.9	1.826	27.65	55.9	SO312	.03070	8.4347	0.6	A
9013	32031.27	56 13N	37 1E	87.2	191.8	1.826	30.10	56.4	SO312	.03070	8.4430	0.8	V
9014	32034.47	56 13N	37 0E	86.2	191.7	1.826	30.10	56.4	SO312	.03070	8.2202	0.8	A
9015	32038.27	55 45N	36 58E	87.9	191.6	1.826	30.80	56.8	SO312	.03070	8.3770	1.0	V
9016	32042.47	55 27N	36 46E	88.9	191.5	1.826	31.85	57.1	SO312	.03070	8.2779	1.0	V
9017	32045.67	55 27N	36 45E	90.0	191.5	1.826	31.85	57.1	SO312	.03070	8.0634	1.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1035 9018	32048.47	55 16N	36 40E	90.0	191.4	1.826	31.85	57.3	SO312	.03070	8.0551	1.4	A
9019	32054.07	54 31N	36 0E	83.7	191.3	2.037	24.85	57.9	SO312	.03070	8.6988	0.4	F
9020	32057.07	54 30N	35 59E	82.7	191.3	2.037	24.85	57.9	SO312	.03070	8.8687	0.4	V
9021	32058.27	54 26N	35 57E	82.7	191.2	2.037	24.85	58.0	SO312	.03070	8.8887	1.2	V
9022	32062.07	53 58N	35 47E	84.0	191.2	2.037	25.20	58.4	SO312	.03070	8.6741	1.0	F
9023	32065.07	53 58N	35 47E	83.3	191.1	2.037	25.55	58.4	SO312	.03070	8.8309	1.0	V
9024	32073.87	53 19N	34 24E	74.4	190.9	2.181	-2.80	58.7	SO312	.03070	9.7635	1.4	F
9025	32079.07	53 19N	34 25E	74.4	190.9	2.181	-2.10	58.7	SO312	.03070	9.7635	1.4	A
9026	32140.67	48 48N	32 31E	75.4	189.9	2.390	-12.25	62.4	SO312	.03070	9.6232	0.4	F
9027	32143.27	48 48N	32 30E	74.5	189.9	2.390	-12.25	62.4	SO312	.03070	9.8543	0.4	V
9028	32146.87	48 34N	32 18E	75.5	189.8	2.390	-15.75	62.5	SO312	.03070	9.7305	0.6	V
9029	32149.67	48 34N	32 18E	76.3	189.8	2.390	-15.40	62.5	SO312	.03070	9.5324	0.6	A
1036 9001	37347.07	55 43N	12 36E	77.1	191.6	1.826	-18.90	56.5	SO312	.03070	9.5159	0.4	V
9002	37350.07	55 42N	12 35E	78.1	191.5	2.037	-19.25	56.5	SO312	.03070	9.3096	0.4	A
9003	37361.07	54 38N	13 18E	75.3	191.3	2.037	9.80	57.6	SO312	.04070	9.7635	0.6	V
9004	37363.87	54 38N	13 18E	76.2	191.2	2.037	10.15	57.6	SO312	.04070	9.5076	0.6	A
9005	37401.27	51 45N	11 59E	74.8	190.6	2.390	4.20	60.1	SO312	.03070	9.7057	1.0	F
9006	37404.87	51 30N	11 56E	75.0	190.5	2.390	5.25	60.3	SO312	.03070	9.6892	0.4	F
9007	37407.47	51 30N	11 55E	74.2	190.5	2.181	5.60	60.3	SO312	.03070	9.9120	0.4	V
9008	37412.87	50 56N	11 57E	76.5	190.4	2.390	11.55	60.8	SO312	.03070	9.5076	0.4	F
9009	37418.27	50 31N	12 8E	80.4	190.3	2.181	20.30	61.3	SO312	.03070	9.0702	0.8	F
9010	37421.07	50 31N	12 8E	79.7	190.3	2.181	20.65	61.3	SO312	.03070	9.2353	0.8	V
9011	37426.27	50 7N	12 27E	88.1	190.2	2.181	31.15	61.7	SO312	.03070	8.3522	0.6	V
9012	37429.47	50 7N	12 27E	89.5	190.1	1.826	31.85	61.7	SO312	.03070	8.0964	0.6	A
9013	37619.27	36 55N	6 55E	79.6	188.2	2.738	-21.70	70.4	SO312	.04070	9.0867	0.8	F
9014	37622.07	36 55N	6 55E	78.6	188.1	2.738	-21.35	70.4	SO312	.04070	9.3426	0.8	V
9015	37627.27	36 22N	6 37E	82.5	188.1	2.530	-26.95	70.5	SO312	.03070	8.7484	0.6	F
9016	37630.07	36 23N	6 37E	81.6	188.1	2.530	-26.95	70.5	SO312	.03070	8.9794	0.6	V
9017	37634.07	36 7N	6 24E	84.9	188.0	2.530	-31.50	70.5	SO312	.03070	8.6246	0.6	V
9018	37637.27	36 7N	6 23E	85.8	188.0	2.738	-31.50	70.5	SO312	.03070	8.4760	0.6	A
1038 9001	48998.27	15 45S	47 52W	120.3	186.8	3.232	-37.45	44.4	SO312	.03070	6.0001	0.8	V
9002	49059.87	20 14S	49 10W	140.4	186.9	2.738	-44.80	40.0	SO312	.02200	5.0593	1.4	F
9003	49076.47	21 35S	46 53W	115.0	187.0	2.738	22.40	39.9	SO312	.03070	6.2312	0.8	F
9004	49084.47	21 53S	46 35W	124.7	187.0	2.181	31.15	39.8	SO312	.03070	5.7690	0.4	V
9005	49089.07	21 53S	46 35W	127.1	187.0	2.181	31.50	39.8	SO312	.03070	5.5462	0.6	A
9006	49096.67	22 58S	47 8W	116.3	187.0	2.738	22.40	38.6	SO312	.03070	6.1652	1.4	F
9007	49101.27	23 15S	47 18W	114.0	187.1	2.738	19.60	38.3	SO312	.03070	6.2807	0.4	F
9008	49107.27	23 27S	46 38W	133.4	187.1	2.181	35.70	38.4	SO312	.02200	5.4059	1.4	V
9009	49109.47	23 36S	46 40W	133.5	187.1	2.181	35.70	38.2	SO312	.02200	5.4059	0.6	V
9010	49112.87	23 30S	46 38W	136.1	187.1	1.826	36.40	38.4	SO312	.02200	5.1913	0.6	A
9011	49114.47	23 36S	46 39W	136.2	187.1	1.826	36.40	38.3	SO312	.02200	5.1913	0.6	A
9012	49124.07	24 29S	47 50W	109.2	187.1	2.738	11.90	37.0	SO312	.03070	6.5943	1.4	V
9013	49136.87	25 30S	49 10W	112.5	187.2	3.232	-21.00	35.6	SO312	.03070	6.3302	0.8	F
9014	49144.07	25 25S	49 16W	114.9	187.2	3.439	-23.10	35.6	SO312	.03070	6.1982	0.6	A
9015	49154.87	26 4S	49 47W	124.0	187.3	3.439	-32.20	34.8	SO312	.03070	5.7525	0.8	A
9016	49179.87	27 44S	50 15W	128.1	187.4	3.232	-33.95	33.2	SO312	.03070	5.5544	1.4	A
1039 9001	53929.87	9 42N	64 10W	83.9	186.6	3.439	1.05	66.7	SO312	.03070	8.5750	0.6	A
9002	53936.87	8 60N	64 8W	84.4	186.6	3.232	7.35	66.3	SO312	.03070	8.6493	1.4	V
9003	53964.07	7 26N	65 11W	90.1	186.6	3.587	-22.75	64.6	SO312	.03070	8.0221	0.6	A
9004	54258.87	13 31S	66 49W	133.1	186.7	2.181	39.90	47.7	SO312	.02200	5.4224	1.4	F
9005	54263.07	13 50S	66 46W	137.4	186.7	2.181	41.65	47.5	SO312	.02200	5.2573	1.4	F
9006	54266.27	14 3S	66 48W	137.7	186.7	2.181	41.65	47.3	SO312	.02200	5.2408	1.4	F
9007	54275.07	14 15S	67 20W	118.6	186.7	2.390	31.85	46.9	SO312	.02200	6.0991	1.4	V
9008	54281.67	14 24S	67 30W	116.7	186.7	2.390	29.05	46.7	SO312	.02200	6.0744	0.8	A
9009	54292.27	15 27S	67 25W	123.6	186.7	2.181	34.65	45.8	SO312	.02200	5.8598	1.4	V
9010	54329.67	18 1S	70 14W	118.2	186.8	3.232	-33.95	42.4	SO312	.01650	6.0249	0.4	F
9011	54333.87	18 1S	70 15W	116.9	186.8	3.439	-33.95	42.4	SO312	.01650	6.1899	0.4	V
9012	54338.47	18 19S	70 20W	118.4	186.9	3.439	-34.65	42.1	SO312	.03070	6.1074	1.2	V
9013	54369.27	20 13S	70 5W	106.6	186.9	3.587	-17.50	40.6	SO312	.02200	6.6851	1.4	A
1040 9001	59031.27	23 0N	83 10W	88.0	187.1	2.881	24.15	73.9	SO312	.02200	8.2779	1.4	F
9002	59039.67	22 29N	83 38W	80.9	187.1	3.092	11.20	73.5	SO312	.03070	8.9877	0.4	F
9003	59389.67	0 52S	89 32W	119.8	186.5	3.232	-44.10	57.4	SO312	.03070	6.0084	0.6	A
1042 5001	68309.87	64 32N	39 51E	92.1	344.8	-1.106	17.85	2.2	SO130	.29590	7.8247	1.0	F
5002	68316.67	64 33N	39 51E	91.7	344.6	-1.318	17.50	2.2	SO130	.29590	7.8825	0.8	A
1045 9001	84948.27	64 48N	177 54E	83.3	195.3	1.135	-26.60	48.3	SO312	.04070	8.8309	0.6	V
9002	84951.27	64 48N	177 54E	84.0	195.2	1.338	-26.60	48.2	SO312	.03070	8.6493	0.6	A
1046 9001	4138.07	45 35N	149 26E	78.9	189.3	2.390	18.90	65.2	SO312	.02200	9.3178	0.4	V
9002	4140.87	45 36N	149 26E	80.0	189.3	2.390	19.25	65.2	SO312	.02200	9.0537	0.4	A
1047 9001	9352.47	52 1N	128 2E	78.4	190.6	2.037	-20.65	59.6	SO312	.03070	9.2353	0.4	F
9002	9355.07	52 1N	128 3E	77.4	190.6	2.037	-20.30	59.6	SO312	.03070	9.4994	0.4	V
9003	9358.47	51 48N	127 54E	78.0	190.5	2.037	-21.70	59.8	SO312	.03070	9.4168	0.4	V
9004	9361.27	51 48N	127 55E	78.8	190.5	2.037	-21.35	59.8	SO312	.03070	9.2353	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1047 9005	9445.07	45 37N	126 40E	74.2	189.3	2.530	-1.40	65.0	S0312	.03070	9.7882	0.6	F
9006	9447.87	45 37N	126 40E	73.4	189.3	2.530	-1.05	65.0	S0312	.03070	10.0193	0.6	V
9007	9454.07	45 24N	126 19E	74.9	189.2	2.530	-10.15	65.0	S0312	.03070	9.6974	0.4	A
9008	9476.07	43 45N	125 32E	77.0	189.0	2.390	-19.95	66.1	S0312	.03070	9.5406	0.6	V
9009	9478.87	43 45N	125 32E	77.8	189.0	2.390	-19.60	66.1	S0312	.03070	9.3508	0.6	A
9010	9492.67	42 27N	126 36E	82.6	188.8	2.390	24.85	67.6	S0312	.03070	8.8969	0.4	V
9011	9495.67	42 27N	126 36E	83.9	188.8	2.390	25.20	67.6	S0312	.03070	8.6246	0.4	A
9012	9501.87	42 4N	125 55E	75.3	188.7	2.738	7.35	67.7	S0312	.03070	9.6314	0.6	A
9013	9508.27	41 10N	126 17E	84.6	188.7	2.530	25.55	68.5	S0312	.03070	8.6328	1.2	F
9014	9515.47	41 5N	126 23E	88.1	188.6	2.181	29.75	68.7	S0312	.03070	8.2284	0.4	A
9015	9527.27	39 48N	126 18E	94.4	188.5	2.390	35.00	69.6	S0312	.02200	7.7250	0.6	F
9016	9530.67	39 48N	126 18E	94.0	188.5	2.181	35.70	69.7	S0312	.02200	7.8323	0.6	V
9017	9538.07	39 8N	125 44E	84.6	188.4	2.530	25.20	69.9	S0312	.03070	8.6246	0.6	F
9018	9541.07	39 8N	125 44E	83.9	188.4	2.530	25.55	69.9	S0312	.03070	8.7649	0.6	V
9019	9548.27	38 32N	124 54E	75.2	188.3	2.881	3.15	69.9	S0312	.04070	9.6727	0.6	F
9020	9551.07	38 32N	124 52E	74.3	188.3	2.881	2.80	69.9	S0312	.04070	9.8955	0.4	V
9021	9553.87	38 31N	124 52E	75.2	188.3	2.881	3.15	69.9	S0312	.04070	9.6397	0.4	A
9022	9563.67	37 47N	125 37E	91.5	188.2	2.181	32.55	70.8	S0312	.02200	7.8983	0.4	A
9023	10126.27	1 13S	116 51E	90.1	186.5	3.587	-9.45	57.9	S0312	.03070	7.9973	1.2	F
9024	10129.47	1 13S	116 50E	89.2	186.5	3.587	-9.10	57.9	S0312	.03070	8.1624	1.2	V
1048 5001	15111.47	20 49N	100 5E	105.8	187.0	2.390	39.20	73.8	S0130	.01660	6.8920	0.8	F
5002	15115.47	20 49N	99 55E	99.2	187.0	2.390	35.70	73.7	S0130	.01660	7.3873	0.8	V
5003	15134.27	19 55N	98 6E	84.4	186.9	3.439	-24.50	71.9	S0130	.02210	8.5923	0.8	A
5004	15146.87	18 49N	98 8E	79.7	186.9	3.439	-15.75	71.7	S0130	.02210	9.1866	0.8	V
5005	15153.07	18 34N	98 14E	79.5	186.9	3.439	-9.10	71.7	S0130	.02210	9.1206	0.8	A
9001	14670.67	51 43N	105 50E	77.8	190.4	2.181	-19.95	59.9	S0312	.02200	9.3508	0.4	A
9002	14678.87	50 43N	106 9E	74.0	190.3	2.390	-2.10	60.9	S0312	.03070	9.8130	1.0	F
9003	14684.07	50 43N	106 9E	74.0	190.2	2.390	-1.40	60.9	S0312	.03070	9.8130	1.2	A
9004	14857.67	38 31N	102 12E	76.4	188.3	2.738	-17.15	69.6	S0312	.03070	9.4911	0.6	F
9005	14864.07	38 2N	102 35E	74.1	188.3	2.881	0.35	70.1	S0312	.02200	9.8047	1.0	F
9006	14872.07	37 37N	102 49E	75.9	188.2	2.738	12.95	70.6	S0312	.03070	9.6809	0.6	V
9007	14874.87	37 37N	102 49E	77.0	188.2	2.738	13.30	70.6	S0312	.03070	9.4086	0.6	A
9008	14882.67	36 49N	103 14E	88.7	188.1	2.390	31.85	71.4	S0312	.03070	8.2779	0.6	V
9009	15043.67	26 2N	100 7E	77.9	187.2	3.092	8.40	73.9	S0312	.03070	9.2848	0.4	A
9010	15055.27	24 54N	99 27E	77.0	187.2	3.232	-9.80	73.4	S0312	.03070	9.4086	0.6	F
9011	15061.27	24 51N	99 39E	76.8	187.2	3.232	-0.70	73.6	S0312	.03070	9.4168	1.0	A
1049 9001	19894.67	57 2N	85 41E	79.5	192.0	1.826	-21.70	55.3	S0312	.03070	9.0950	0.6	F
9002	19896.27	56 55N	85 38E	79.4	192.0	1.826	-21.70	55.4	S0312	.03070	9.1032	1.4	F
9003	19899.67	56 53N	85 37E	78.3	191.9	1.826	-21.35	55.5	S0312	.03070	9.3673	1.0	V
9004	19906.27	56 29N	84 57E	85.2	191.8	1.690	-31.50	55.7	S0312	.03070	8.6081	0.6	V
9005	19909.27	56 29N	84 58E	85.9	191.7	1.690	-31.15	55.7	S0312	.03070	8.4678	0.8	A
9006	19923.87	55 18N	84 22E	87.4	191.4	1.690	-33.95	56.7	S0312	.02200	8.4017	0.6	V
9007	19936.87	53 58N	86 40E	89.2	191.1	1.826	32.20	58.4	S0312	.02200	8.2449	1.0	V
9008	19942.07	53 58N	86 40E	90.7	191.1	1.826	32.55	58.4	S0312	.02200	7.9891	1.2	A
9009	19959.07	52 32N	85 3E	75.5	190.8	2.181	8.05	59.5	S0312	.03070	9.6232	1.2	F
9010	19964.47	52 32N	85 3E	75.7	190.7	2.181	8.75	59.5	S0312	.03070	9.5902	1.2	A
9011	19999.07	49 57N	82 30E	89.0	190.1	1.826	-35.00	61.2	S0312	.03070	8.1129	0.6	F
9012	20003.87	50 2N	82 41E	85.3	190.1	2.037	-31.15	61.1	S0312	.03070	8.5420	2.0	A
9013	20294.07	29 53N	77 54E	81.8	187.5	2.881	-25.55	72.8	S0312	.02200	8.9547	0.8	V
9014	20297.07	29 53N	77 54E	82.6	187.5	2.881	-25.20	72.8	S0312	.02200	8.7814	0.8	A
9015	20312.27	28 41N	77 11E	94.4	187.4	2.530	-38.85	72.6	S0312	.02200	7.7497	0.8	V
9016	20315.67	28 41N	77 11E	95.3	187.4	2.738	-38.85	72.6	S0312	.02200	7.6259	1.0	A
9017	20325.27	27 31N	77 42E	78.8	187.3	3.092	-16.10	73.3	S0312	.03070	9.1858	1.0	F
9018	20330.87	27 31N	77 42E	78.6	187.3	3.092	-15.05	73.4	S0312	.03070	9.2188	1.0	A
1050 5001	25375.87	45 10N	59 19E	82.4	189.2	2.181	-27.65	65.0	S0130	.02210	8.7657	1.2	F
5002	25381.67	45 10N	59 19E	82.2	189.2	2.390	-27.30	65.0	S0130	.02210	8.8730	1.4	A
9001	25189.47	58 6N	65 16E	75.8	192.3	1.826	7.35	54.6	S0312	.04070	9.5819	0.6	A
9002	25196.47	57 9N	65 36E	83.2	192.1	2.037	23.80	55.5	S0312	.02200	8.7484	0.4	F
9003	25202.27	56 55N	65 52E	88.7	192.0	1.826	31.50	55.8	S0312	.03070	8.2944	0.6	V
9004	25205.47	56 55N	65 52E	89.8	191.9	1.826	31.50	55.8	S0312	.03070	8.0799	0.6	A
9005	25216.27	56 11N	63 39E	74.7	191.7	2.037	-11.55	56.2	S0312	.04070	9.8295	0.4	V
9006	25220.67	56 3N	63 42E	75.0	191.6	2.037	-8.75	56.3	S0312	.03070	9.6809	0.4	A
9007	25286.67	51 17N	60 52E	87.9	190.4	1.826	-33.95	60.1	S0312	.03070	8.2119	0.4	F
9008	25292.87	51 17N	60 52E	87.3	190.3	2.037	-33.60	60.1	S0312	.03070	8.3357	0.4	A
9009	25298.47	50 54N	60 43E	88.0	190.2	2.037	-34.30	60.4	S0312	.03070	8.2697	0.4	A
9010	25375.67	45 10N	59 19E	82.5	189.2	2.181	-27.65	65.0	S0312	.03070	8.7649	1.4	F
9011	25381.67	45 10N	59 19E	82.1	189.2	2.390	-27.30	65.0	S0312	.03070	8.8721	1.4	A
9012	25478.67	38 3N	58 12E	74.8	188.3	2.881	-5.25	70.0	S0312	.02200	9.6974	1.0	F
9013	25484.07	38 3N	58 13E	74.9	188.2	2.881	-4.20	70.0	S0312	.02200	9.6974	0.8	A
1051 5001	30608.07	50 32N	39 31E	74.6	190.2	2.390	-8.40	61.0	S0130	.02210	9.7562	4.2	A
5002	30619.07	49 25N	39 14E	74.4	190.0	2.390	-6.65	61.9	S0130	.02210	9.7644	3.6	F
5003	30624.87	49 12N	39 8E	73.6	190.0	2.390	-7.00	62.1	S0130	.02210	9.9873	3.4	V
5004	30637.07	48 40N	38 6E	84.2	189.8	2.181	-30.10	62.3	S0130	.02210	8.6749	0.4	A
5005	30652.87	47 36N	37 42E	86.0	189.6	2.181	-32.20	63.1	S0130	.02210	8.5016	0.4	A
9001	30210.67	76 15N	62 42E	80.8	209.1	0.787	13.65	37.0	S0312	.05390	8.9629	1.0	F
9002	30216.47	76 15N	62 42E	80.9	208.3	0.787	14.00	37.0	S0312	.05390	8.9629	1.0	A
9003	30261.27	73 22N	54 39E	78.8	203.3	0.787	-11.90	40.0	S0312	.04070	9.1858	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1051 9004	30266.87	73 22N	54 39E	78.7	202.8	0.995	-11.90	40.0	S0312	.04070	9.2270	1.0	A
9005	30288.87	71 34N	52 27E	77.7	201.1	0.995	-9.10	41.8	S0312	.04070	9.3178	1.0	F
9006	30294.47	71 34N	52 27E	77.6	200.6	0.995	-8.75	41.8	S0312	.04070	9.3591	0.8	A
9007	30490.87	58 10N	42 7E	78.1	192.4	1.690	-18.55	54.3	S0312	.03070	9.2765	2.0	F
9008	30495.47	57 51N	42 1E	77.6	192.3	1.690	-17.50	54.6	S0312	.03070	9.3343	0.4	F
9009	30499.47	57 58N	42 3E	77.5	192.2	1.690	-17.15	54.5	S0312	.03070	9.3838	0.4	A
9010	30500.87	57 52N	42 1E	77.5	192.2	1.690	-17.15	54.6	S0312	.03070	9.3838	0.4	A
9011	30511.87	56 30N	43 23E	86.2	191.9	2.037	27.65	56.1	S0312	.03070	8.4512	1.2	F
9012	30518.07	56 30N	43 23E	86.6	191.8	1.826	28.35	56.2	S0312	.03070	8.3852	1.0	A
9013	30521.87	56 15N	43 13E	85.9	191.7	1.826	27.65	56.4	S0312	.03070	8.4430	0.4	A
9014	30528.47	55 28N	42 20E	78.2	191.6	2.037	15.40	57.0	S0312	.03070	9.3013	0.8	F
9015	30534.07	55 28N	42 20E	78.5	191.5	2.037	16.10	57.0	S0312	.03070	9.2435	0.8	A
9016	30542.47	54 59N	41 15E	74.6	191.3	2.181	-6.30	57.2	S0312	.03070	9.7387	0.4	A
9017	30557.47	53 28N	41 44E	81.1	191.0	2.181	21.00	58.8	S0312	.03070	8.9712	0.8	F
9018	30560.27	53 29N	41 44E	80.3	191.0	2.181	21.35	58.8	S0312	.03070	9.1362	0.8	V
9019	30572.27	52 40N	39 29E	83.4	190.8	1.826	-28.70	59.0	S0312	.03070	8.6576	0.8	F
9020	30578.27	52 40N	39 28E	83.3	190.7	2.037	-28.70	59.0	S0312	.03070	8.7401	0.8	A
9021	30586.87	51 40N	39 12E	82.4	190.5	1.826	-27.30	59.9	S0312	.03070	8.7731	0.4	F
9022	30587.87	51 36N	39 10E	82.4	190.5	1.826	-27.30	59.9	S0312	.03070	8.7731	1.0	F
9023	30592.67	51 41N	39 11E	82.2	190.4	2.037	-27.30	59.8	S0312	.03070	8.8474	0.6	A
9024	30593.87	51 36N	39 9E	82.2	190.4	2.037	-27.30	59.9	S0312	.03070	8.8474	0.6	A
9025	30597.87	51 18N	39 13E	79.9	190.4	2.037	-23.45	60.2	S0312	.03070	9.1115	0.6	A
9026	30642.07	48 17N	38 13E	80.2	189.7	2.390	-24.50	62.6	S0312	.03070	9.0702	1.4	A
9027	30646.87	47 59N	37 57E	83.1	189.7	2.181	-28.70	62.8	S0312	.03070	8.7731	0.8	A
9028	30659.27	47 8N	37 41E	83.7	189.5	2.181	-29.40	63.5	S0312	.03070	8.6823	0.8	A
9029	30679.87	45 7N	38 57E	83.9	189.3	2.390	24.85	65.7	S0312	.03070	8.6906	0.8	F
9030	30685.87	45 7N	38 58E	84.6	189.2	2.181	25.90	65.7	S0312	.03070	8.5750	0.8	A
9031	30805.67	36 46N	36 13E	76.3	188.1	2.738	10.50	71.0	S0312	.03070	9.6232	0.8	V
9032	30809.67	36 41N	36 13E	77.8	188.1	2.738	11.90	71.1	S0312	.03070	9.3096	1.4	A
9033	30819.67	35 38N	35 47E	75.8	188.0	2.881	4.20	71.5	S0312	.04070	9.5902	0.6	F
9034	30825.07	35 38N	35 47E	76.0	188.0	2.881	4.90	71.5	S0312	.04070	9.5324	0.6	A
9035	30834.67	34 42N	36 16E	86.8	187.9	2.530	28.00	72.4	S0312	.03070	8.4678	0.6	V
9036	30837.87	34 42N	36 16E	88.3	187.9	2.530	28.35	72.4	S0312	.02200	8.1954	0.6	A
9037	30846.47	33 41N	36 2E	87.6	187.8	2.530	27.65	72.8	S0312	.03070	8.3274	0.4	F
9038	30852.67	33 42N	36 1E	88.3	187.8	2.390	28.35	72.8	S0312	.02200	8.1706	0.6	A
9039	30863.07	32 51N	34 60E	74.9	187.7	3.092	-1.05	72.5	S0312	.04070	9.7965	0.6	V
9040	30865.87	32 51N	34 60E	75.9	187.7	3.092	-0.70	72.5	S0312	.04070	9.5489	0.6	A
9041	30873.67	31 56N	34 52E	76.1	187.7	3.092	1.40	72.9	S0312	.01650	9.5406	0.6	F
9042	30876.27	31 56N	34 52E	75.3	187.7	3.092	1.75	72.9	S0312	.02200	9.7470	0.8	V
9043	30886.27	31 8N	33 51E	85.0	187.6	2.738	-29.05	72.5	S0312	.01650	8.5008	1.4	F
9044	30892.47	31 8N	33 51E	84.6	187.6	2.881	-28.35	72.5	S0312	.01650	8.5915	1.4	A
9045	30899.27	30 15N	33 26E	91.2	187.5	2.530	-35.70	72.5	S0312	.01650	7.8983	1.4	F
9046	30905.87	30 15N	33 25E	90.8	187.5	2.738	-35.35	72.5	S0312	.01650	8.0056	1.4	A
9047	31372.67	2 28S	28 52E	96.0	186.5	3.232	16.10	57.2	S0312	.03070	7.5352	0.8	F
9048	31379.67	2 28S	28 52E	97.0	186.5	3.092	17.15	57.2	S0312	.03070	7.3618	0.8	A
9049	31450.27	7 54S	28 32E	116.7	186.6	2.530	33.60	52.7	S0312	.02200	6.1982	0.8	F
9050	31458.67	7 53S	28 33E	118.5	186.6	2.181	34.65	52.7	S0312	.02200	6.0084	1.0	A
1052 5001	36170.07	32 55N	13 11E	77.9	187.7	2.881	10.15	72.7	S0130	.03080	9.3104	0.4	A
9001	35621.87	69 25N	31 1E	91.9	199.2	1.338	31.85	44.0	S0312	.03070	7.9148	0.6	F
9002	35628.47	69 25N	30 60E	91.9	198.8	1.135	32.20	44.0	S0312	.03070	7.8653	0.4	A
9003	35789.07	58 25N	22 12E	85.9	192.6	1.826	27.30	54.4	S0312	.03070	8.4925	0.4	F
9004	35795.07	58 26N	22 12E	86.0	192.4	1.690	27.65	54.4	S0312	.03070	8.4182	0.6	A
9005	35804.07	57 26N	21 35E	83.9	192.2	2.037	24.85	55.3	S0312	.03070	8.6741	0.8	F
9006	35810.27	57 25N	21 35E	84.6	192.1	1.826	25.90	55.3	S0312	.04070	8.5750	0.8	A
9007	35817.07	56 35N	21 2E	81.9	191.9	2.037	22.05	56.0	S0312	.03070	8.8887	1.0	F
9008	35823.07	56 34N	21 2E	82.4	191.8	1.826	23.10	56.1	S0312	.03070	8.7979	1.0	A
9009	35851.07	54 27N	18 40E	75.9	191.2	2.037	-13.30	57.6	S0312	.04070	9.5571	1.4	F
9010	35856.67	54 26N	18 40E	75.7	191.1	2.037	-12.60	57.7	S0312	.04070	9.5984	1.2	A
9011	35864.27	53 30N	18 50E	74.4	191.0	2.181	0.70	58.6	S0312	.03070	9.7635	0.6	F
9012	35866.87	53 30N	18 50E	73.6	191.0	2.181	1.05	58.6	S0312	.04070	9.9863	0.6	V
9013	35870.87	53 3N	18 38E	74.4	190.9	2.181	0.00	59.0	S0312	.03070	9.7717	0.8	F
9014	35873.67	53 2N	18 38E	73.5	190.8	2.181	0.35	59.0	S0312	.04070	9.9946	0.6	V
9015	35881.87	52 23N	17 35E	78.8	190.7	2.037	-21.35	59.3	S0312	.03070	9.1940	1.0	F
9016	35885.27	52 20N	17 34E	77.7	190.6	2.037	-21.00	59.4	S0312	.03070	9.4499	0.4	V
9017	35891.07	51 54N	17 49E	74.2	190.5	2.181	-10.85	59.8	S0312	.03070	9.8955	0.4	V
9018	35893.87	51 54N	17 48E	75.1	190.5	2.181	-10.85	59.8	S0312	.03070	9.6727	0.4	A
9019	35899.47	51 11N	17 2E	80.6	190.4	2.037	-24.85	60.3	S0312	.03070	8.9794	1.4	F
9020	35905.27	51 11N	17 2E	80.5	190.3	2.037	-24.50	60.3	S0312	.03070	9.0455	1.4	A
9021	35982.27	45 30N	15 34E	77.1	189.3	2.390	-17.85	64.9	S0312	.03070	9.4003	1.0	F
9022	35987.87	45 30N	15 34E	76.7	189.2	2.530	-16.80	64.9	S0312	.03070	9.4746	0.8	A
9023	36008.27	43 33N	16 26E	85.1	189.0	2.390	20.25	66.9	S0312	.04070	8.5668	0.6	F
9024	36014.47	43 32N	16 26E	85.8	189.0	2.181	27.30	66.9	S0312	.03070	8.4430	0.4	A
9025	36170.07	32 55N	13 11E	77.9	187.7	2.881	10.15	72.7	S0312	.04070	9.3096	0.4	A
9026	36574.07	4 48N	7 1E	90.8	186.5	3.439	-21.70	62.6	S0312	.03070	7.9313	1.0	F
9027	36580.67	4 48N	7 1E	90.6	186.5	3.587	-20.65	62.6	S0312	.03070	7.9643	0.8	A
1053 9001	41133.67	55 59N	3 9W	79.0	191.7	1.826	-21.35	56.2	S0312	.03070	9.1527	0.8	F
9002	41139.47	55 59N	3 10W	78.9	191.6	2.037	-21.45	56.3	S0312	.03070	9.2105	0.6	A
9003	41214.47	50 28N	5 1W	76.9	190.3	2.181	-17.50	61.0	S0312	.03070	9.4086	0.8	F
9004	41220.07	50 28N	5 1W	76.6	190.2	2.181	-16.80	61.0	S0312	.03070	9.4746	0.6	A
9005	41535.67	28 27N	11 5W	90.1	187.4	2.530	-33.95	72.8	S0312	.02200	7.9973	0.6	F
9006	41542.07	28 28N	11 6W	89.7	187.4	2.738	-33.60	72.8	S0312	.02200	8.1046	0.6	A
9007	41822.87	8 36N	13 52W	84.1	186.6	2.881	0.00	65.9	S0312	.02200	7.6755	0.6	F
9008	41829.87	8 30N	13 14W	95.8	186.6	2.738	25.20	66.3	S0312	.02200	7.4691	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1054 9001	46299.67	65 42N	20 17W	81.6	195.7	1.484	-23.80	47.4	SO312	.04070	8.9134	1.0	A
9002	47377.47	8 30S	37 40W	123.8	186.6	2.181	38.50	52.3	SO312	.02200	5.8598	1.0	V
9003	47435.67	12 15S	40 27W	104.9	186.7	3.587	-27.30	47.8	SO312	.03070	6.8997	0.8	V
9004	47442.87	12 30S	40 17W	102.1	186.7	3.587	-20.65	47.7	SO312	.03070	7.0152	1.2	A
9005	47583.07	22 30S	43 15W	139.8	187.0	2.738	-43.40	37.9	SO312	.02200	5.0840	0.6	F
9006	47588.27	22 52S	43 13W	136.1	187.1	2.881	-41.65	37.6	SO312	.02200	5.2078	0.4	F
9007	47593.07	22 38S	43 15W	138.4	187.1	3.092	-42.70	37.9	SO312	.02200	5.1666	0.8	A
9008	47598.07	22 51S	43 13W	135.2	187.1	3.092	-40.95	37.6	SO312	.02200	5.2903	0.6	A
1055 9001	52500.46	3 50N	59 20W	89.0	186.5	3.587	-17.50	61.9	SO312	.03070	8.0681	1.4	F
9002	52509.47	3 40N	59 31W	91.8	186.5	3.587	-22.40	61.7	SO312	.03070	7.8488	1.4	A
9003	52518.66	3 3N	59 37W	92.0	186.5	3.587	-22.05	61.2	SO312	.03070	7.8323	0.8	A
9004	52605.67	2 60S	60 3W	91.2	186.5	3.439	2.10	56.5	SO312	.02200	7.8488	1.0	A
9005	52793.67	16 21S	62 8W	102.3	186.8	3.232	10.15	44.6	SO312	.03070	7.0235	0.8	F
9006	52799.47	16 12S	62 27W	100.1	186.8	3.439	-0.35	44.6	SO312	.03070	7.1143	1.4	A
9007	52809.46	17 1S	63 39W	113.8	186.8	3.439	-32.20	43.3	SO312	.03070	6.4550	1.4	V
9008	52819.06	17 29S	63 7W	102.8	186.8	3.587	-14.00	43.2	SO312	.03070	6.9409	1.4	A
9009	52827.86	18 7S	62 54W	101.5	186.9	3.439	-3.15	42.7	SO312	.03070	7.0152	1.4	A
9010	52837.66	19 24S	62 21W	110.8	186.9	2.881	19.95	41.9	SO312	.03070	6.4788	1.4	F
9011	52847.67	19 44S	63 4W	101.4	186.9	3.232	0.70	41.3	SO312	.03070	7.1225	1.4	V
9012	52854.86	19 58S	63 4W	103.4	186.9	3.232	2.45	41.1	SO312	.03070	6.8749	1.4	A
9013	52870.07	21 14S	63 30W	102.5	187.0	3.232	-3.85	39.8	SO312	.03070	7.0400	0.6	V
9014	52880.47	21 44S	62 51W	112.5	187.0	2.738	18.90	39.7	SO312	.03070	6.2890	1.4	A
9015	52901.87	23 12S	62 54W	114.9	187.1	2.390	24.50	38.4	SO312	.02200	5.9423	0.8	A
9016	52932.06	25 35S	65 54W	137.1	187.2	2.881	-41.65	35.0	SO312	.03070	5.1748	0.6	F
9017	52942.07	25 36S	65 54W	136.0	187.2	3.232	-40.95	35.1	SO312	.03070	5.2491	0.6	A
9018	53001.26	30 18S	66 17W	122.2	187.5	3.092	-27.65	30.9	SO312	.03070	5.8020	1.4	F
9019	53017.66	31 39S	64 27W	126.7	187.6	2.390	24.85	30.4	SO312	.03070	5.6535	0.6	F
9020	53022.26	31 39S	64 28W	125.3	187.6	2.181	25.20	30.4	SO312	.03070	5.7195	0.4	V
9021	53025.66	32 13S	64 26W	129.8	187.7	2.390	27.30	29.9	SO312	.03070	5.4967	0.6	F
9022	53035.26	32 13S	64 27W	131.1	187.7	2.037	28.00	29.9	SO312	.03070	5.3646	0.6	A
9023	53060.47	33 44S	66 34W	117.9	187.9	3.232	-17.15	27.8	SO312	.03070	6.0166	0.6	A
9024	53250.06	46 30S	68 58W	126.4	189.5	2.390	5.95	15.8	SO312	.04070	5.5462	1.0	A
1056 9001	57543.86	21 39N	77 54W	78.5	187.0	3.232	-5.95	72.9	SO312	.03070	9.2353	2.6	F
9002	57550.66	21 34N	77 55W	78.7	187.0	3.232	-4.90	72.9	SO312	.03070	9.2023	1.4	A
9003	57726.06	9 1N	79 32W	91.6	186.6	3.092	20.65	66.6	SO312	.03070	7.9231	1.2	F
9004	57732.86	8 60N	79 32W	92.9	186.6	2.881	22.05	66.6	SO312	.02200	7.7332	1.0	A
9005	57742.26	7 60N	80 25W	84.3	186.6	3.439	-7.00	65.3	SO312	.03070	8.5750	0.6	F
9006	57748.46	7 59N	80 25W	84.6	186.6	3.587	-5.95	65.3	SO312	.03070	8.5255	0.6	A
9007	57867.26	0 33S	80 23W	124.0	186.5	2.037	42.00	59.4	SO312	.02200	5.8681	1.4	V
9008	57872.86	0 54S	80 41W	114.8	186.5	2.037	37.10	58.9	SO312	.02200	6.3385	1.0	V
9009	57878.26	0 59S	80 27W	127.3	186.5	1.826	42.70	59.0	SO312	.02200	5.6040	1.4	A
9010	57887.26	2 10S	80 59W	112.8	186.5	2.390	34.30	57.8	SO312	.02200	6.4210	1.0	F
9011	57895.46	2 9S	80 59W	114.8	186.5	2.181	35.35	57.8	SO312	.02200	6.2147	1.0	A
9012	57917.26	4 14S	81 13W	118.4	186.5	2.390	36.75	56.0	SO312	.02200	6.1156	0.6	F
9013	57920.06	4 26S	81 16W	118.1	186.5	2.390	36.40	55.9	SO312	.02200	6.1239	0.6	F
9014	57924.06	4 25S	81 13W	119.1	186.5	2.181	37.80	55.9	SO312	.02200	6.1156	0.4	V
9015	57925.86	4 33S	81 15W	119.2	186.5	2.181	37.80	55.8	SO312	.01650	6.1074	0.8	V
9016	57930.26	4 32S	81 15W	121.7	186.5	2.181	38.15	55.8	SO312	.01650	5.8598	0.8	A
1057 9001	62761.46	27 31N	99 29W	86.1	187.3	2.881	-29.40	73.0	SO312	.03070	8.3935	0.8	F
9002	62767.66	27 31N	99 30W	85.7	187.3	3.092	-29.05	73.0	SO312	.03070	8.4760	0.6	A
9003	62878.66	19 17N	99 39W	88.2	186.9	2.881	24.85	72.8	SO312	.03070	8.2614	0.4	F
9004	62885.06	19 17N	99 39W	89.3	186.9	2.738	25.90	72.8	SO312	.02200	8.0551	0.4	A
9005	62901.86	18 3N	101 11W	84.0	186.8	3.232	-25.20	71.1	SO312	.03070	8.7318	0.8	V
9006	62905.06	18 3N	101 11W	84.8	186.8	3.439	-24.85	71.1	SO312	.03070	8.5503	0.8	A
1058 9001	67967.06	34 4N	118 9W	99.0	187.9	2.181	38.50	72.9	SO312	.01650	7.4279	2.8	V
1062 9001	2524.46	53 5N	158 40E	85.0	190.9	2.181	26.25	59.2	SO312	.03070	8.5833	0.8	F
9002	2526.66	52 56N	158 36E	85.1	190.9	2.181	26.25	59.3	SO312	.04070	8.5750	0.8	F
9003	2532.66	52 56N	158 36E	85.5	190.8	2.037	26.95	59.3	SO312	.04070	8.4760	1.0	A
9004	2538.86	52 18N	158 27E	86.3	190.7	2.037	29.05	59.9	SO312	.04070	8.5173	0.8	V
9005	2542.06	52 18N	158 27E	87.5	190.6	1.826	29.40	59.9	SO312	.04070	8.2944	0.8	A
1063 9001	7901.26	48 36N	135 2E	88.8	189.9	2.181	30.45	63.0	SO312	.03070	8.2284	0.6	F
9002	7904.86	48 33N	135 4E	88.8	189.9	2.181	31.50	63.0	SO312	.02200	8.3027	0.4	V
9003	7907.66	48 35N	135 3E	89.5	189.8	2.181	31.15	63.0	SO312	.03070	8.1046	0.6	A
9004	7912.26	48 2N	135 7E	94.2	189.8	2.181	36.05	63.5	SO312	.02200	7.8240	0.8	V
9005	7915.66	48 2N	135 7E	95.8	189.7	1.826	36.75	63.5	SO312	.02200	7.5682	0.8	A
9006	7966.86	44 22N	131 32E	86.2	189.1	2.037	-32.20	65.5	SO312	.03070	8.3852	0.6	F
9007	7971.86	44 12N	131 41E	80.9	189.1	2.390	-26.95	65.7	SO312	.03070	9.0785	0.6	V
9008	7979.66	43 26N	132 4E	74.9	189.0	2.530	-9.80	66.5	SO312	.02200	9.6892	0.4	F
9009	7985.86	42 57N	132 21E	75.0	188.9	2.738	4.20	67.0	SO312	.03070	9.6974	1.4	F
9010	7991.26	42 57N	132 21E	75.1	188.9	2.738	4.90	67.0	SO312	.03070	9.6644	1.2	A
9011	9005.06	27 9S	119 55E	133.9	187.3	2.181	32.55	34.8	SO312	.03070	5.3564	0.6	F
9012	9014.86	27 9S	119 55E	136.0	187.3	1.826	33.60	34.8	SO312	.03070	5.1913	0.6	A
1064 5001	13630.66	20 30N	104 16E	88.8	186.9	3.232	-31.15	71.9	SO130	.02210	8.1879	0.8	A
5002	13639.46	19 27N	103 57E	93.6	186.9	2.881	-35.35	71.4	SO130	.01660	7.7092	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1064 5003	13646.66	19 26N	103 54E	94.2	186.9	3.092	-35.70	71.4	SO130	.01660	7.7092	0.8	A
5004	13653.26	19 1N	103 36E	101.9	186.9	3.092	-41.65	71.0	SO130	.01660	7.1314	0.8	A
9001	13150.46	52 54N	113 39E	75.8	190.9	2.181	10.15	59.2	SO312	.03070	9.5984	0.8	F
9002	13155.86	52 54N	113 39E	76.0	190.8	2.181	10.85	59.2	SO312	.03070	9.5489	0.8	A
9003	13160.06	52 14N	113 29E	76.7	190.7	2.390	12.25	59.8	SO312	.03070	9.4829	0.4	F
9004	13166.06	51 43N	114 0E	87.5	190.6	2.181	29.40	60.4	SO312	.03070	8.3440	0.6	F
9005	13169.46	51 29N	113 52E	86.3	190.5	2.181	28.35	60.6	SO312	.02200	8.4512	0.4	F
9006	13175.66	51 29N	113 52E	86.8	190.4	2.037	29.05	60.6	SO312	.02200	8.3440	0.4	A
9007	13179.66	51 13N	113 43E	85.9	190.4	2.037	28.00	60.8	SO312	.02200	8.4347	0.4	A
9008	13326.86	40 52N	109 38E	74.9	188.6	2.738	3.15	68.4	SO312	.02200	9.7057	0.6	F
9009	13329.46	40 53N	109 38E	74.1	188.6	2.738	3.50	68.4	SO312	.02200	9.9120	0.6	V
9010	13334.86	40 43N	109 25E	73.7	188.6	2.738	-2.45	68.4	SO312	.03070	9.8625	0.4	A
9011	13419.26	34 23N	108 58E	92.2	187.9	2.530	32.55	72.6	SO312	.02200	7.9231	0.6	F
9012	13425.86	34 23N	108 58E	93.2	187.9	2.181	33.60	72.6	SO312	.02200	7.7580	0.6	A
9013	13438.86	33 14N	107 16E	77.4	187.8	2.881	-16.45	72.1	SO312	.03070	9.3591	0.4	F
9014	13441.66	33 14N	107 16E	76.5	187.8	2.881	-16.10	72.1	SO312	.03070	9.5984	0.4	V
9015	13445.86	33 7N	107 25E	75.6	187.7	3.092	-9.45	72.3	SO312	.03070	9.6067	0.6	A
9016	13511.26	28 34N	106 58E	77.9	187.4	2.881	11.20	73.8	SO312	.03070	9.2848	0.4	A
9017	13578.66	24 3N	105 3E	84.6	187.1	3.092	-27.30	72.9	SO312	.03070	8.5833	0.4	A
9018	13610.46	21 17N	105 53E	88.1	187.0	2.881	23.80	73.5	SO312	.02200	8.2697	0.6	F
9019	13615.06	20 58N	105 45E	86.4	187.0	2.881	21.35	73.3	SO312	.03070	8.4347	0.4	F
9020	13618.06	20 59N	105 45E	85.7	187.0	2.881	21.70	73.3	SO312	.03070	8.5585	0.6	V
9021	13726.26	13 23N	103 52E	82.0	186.7	3.439	2.80	69.2	SO312	.03070	8.8391	0.6	F
9022	13732.06	13 24N	103 52E	82.5	186.7	3.439	3.85	69.2	SO312	.03070	8.7401	0.6	A
9023	13765.46	10 40N	103 32E	84.7	186.6	3.439	8.75	67.5	SO312	.03070	8.5585	0.8	F
9024	13768.46	10 40N	103 31E	83.9	186.6	3.232	8.75	67.5	SO312	.04070	8.7153	0.6	V
9025	13771.66	10 40N	103 31E	85.3	186.6	3.232	9.80	67.5	SO312	.03070	8.4347	0.6	A
1065 9001	18297.46	63 48N	97 34E	81.3	195.0	1.690	18.90	49.4	SO312	.04070	8.9464	0.6	F
9002	18303.26	63 48N	97 33E	81.3	194.8	1.484	19.25	49.4	SO312	.04070	8.9134	0.6	A
9003	18407.26	56 24N	93 37E	83.7	191.9	2.037	24.15	56.2	SO312	.03070	8.7071	0.8	F
9004	18411.46	56 8N	93 26E	82.8	191.8	2.037	23.10	56.5	SO312	.03070	8.7979	0.6	F
9005	18417.26	56 8N	93 28E	83.4	191.7	1.826	24.15	56.5	SO312	.03070	8.7071	0.6	A
9006	18623.06	41 43N	88 24E	82.8	188.8	2.530	24.15	68.1	SO312	.02200	8.8144	0.4	F
9007	18628.86	41 44N	88 24E	83.3	188.7	2.390	24.85	68.1	SO312	.02200	8.6823	0.6	A
9008	18638.66	40 47N	87 14E	74.3	188.6	2.738	-5.95	68.3	SO312	.03070	9.7800	0.4	F
9009	18643.86	40 47N	87 14E	74.3	188.6	2.738	-4.90	68.3	SO312	.03070	9.7800	0.6	A
9010	19105.46	8 34N	81 14E	89.3	186.6	3.232	16.45	66.1	SO312	.03070	8.1294	0.4	F
9011	19111.86	8 34N	81 14E	90.2	186.6	3.092	17.50	66.2	SO312	.03070	7.9561	0.4	A
9012	19129.26	7 3N	79 54E	91.3	186.6	3.439	-24.85	64.2	SO312	.03070	7.8983	0.4	F
9013	19135.86	7 2N	79 54E	90.9	186.6	3.587	-23.80	64.2	SO312	.03070	7.9478	0.4	A
1066 9001	23645.26	61 40N	73 30E	76.9	193.7	1.690	9.10	51.3	SO312	.04070	9.4416	0.6	A
9002	23741.66	54 54N	69 17E	76.3	191.4	2.037	-13.65	57.3	SO312	.03070	9.5076	0.4	F
9003	23747.06	54 54N	69 17E	76.0	191.3	2.037	-12.95	57.3	SO312	.03070	9.5654	0.4	A
9004	23786.26	51 55N	67 22E	87.2	190.6	1.690	-32.90	59.6	SO312	.02200	8.2944	0.6	F
9005	23792.46	51 55N	67 21E	86.9	190.5	2.037	-32.90	59.6	SO312	.02200	8.3852	0.6	A
9006	23404.26	50 34N	68 21E	74.9	190.3	2.390	4.55	61.1	SO312	.03070	9.7057	1.0	F
9007	23809.66	50 34N	68 21E	75.0	190.2	2.390	5.25	61.1	SO312	.03070	9.6809	1.0	A
9008	23892.86	44 32N	66 15E	74.3	189.2	2.530	-1.75	65.8	SO312	.02200	9.7800	1.0	F
9009	23898.26	44 32N	66 15E	74.4	189.1	2.530	-0.70	65.8	SO312	.02200	9.7635	0.8	A
9010	23961.86	39 39N	65 58E	89.1	188.5	2.390	30.45	69.6	SO312	.03070	8.1871	0.6	F
9011	23973.86	39 1N	64 32E	75.3	188.4	2.738	-10.15	69.4	SO312	.02200	9.6397	0.8	F
9012	23979.26	39 1N	64 32E	75.3	188.3	2.881	-9.45	69.4	SO312	.02200	9.6479	0.6	A
1067 5001	28984.06	59 23N	49 16E	76.0	192.9	1.826	-10.85	53.3	SO130	.03080	9.5333	0.6	F
5002	28989.46	59 23N	49 16E	75.9	192.7	1.826	-10.15	53.3	SO130	.03080	9.5828	0.6	A
5003	29032.86	55 54N	49 8E	83.3	191.7	2.037	23.80	56.7	SO130	.02210	8.7409	0.6	F
5004	29038.86	55 54N	49 8E	83.8	191.6	1.826	24.50	56.7	SO130	.02210	8.6749	0.6	A
5005	29089.86	52 6N	47 7E	77.5	190.7	2.181	13.65	59.9	SO130	.02210	9.3930	0.8	F
5006	29095.46	52 6N	47 7E	77.9	190.6	2.181	14.35	59.9	SO130	.02210	9.3270	0.8	A
5007	29164.06	47 16N	45 4E	73.9	189.6	2.390	2.80	63.7	SO130	.02210	9.9543	0.6	V
5008	29172.26	46 44N	44 40E	73.6	189.5	2.530	-4.90	64.1	SO130	.02210	9.9873	0.6	V
5009	29192.46	45 46N	42 47E	102.1	189.3	2.037	-44.80	64.2	SO130	.01250	7.1396	3.4	A
9001	28923.26	63 37N	53 44E	87.3	194.7	1.484	28.00	49.6	SO312	.03070	8.3109	1.2	A
9002	28954.26	61 42N	50 50E	75.5	193.7	1.826	-3.15	51.2	SO312	.04070	9.6232	0.4	A
9003	28983.46	59 25N	49 17E	76.1	192.9	1.826	-10.85	53.3	SO312	.04070	9.5324	1.0	F
9004	28988.86	59 25N	49 17E	75.9	192.7	1.826	-10.15	53.3	SO312	.04070	9.5819	1.0	A
9005	29022.06	56 47N	48 11E	75.3	192.0	2.037	-8.05	55.7	SO312	.04070	9.6397	2.2	F
9006	29032.86	55 53N	49 8E	83.4	191.7	2.037	23.80	56.7	SO312	.03070	8.7401	0.6	F
9007	29038.86	55 53N	49 8E	83.7	191.6	1.826	24.50	56.7	SO312	.03070	8.6741	0.6	A
9008	29054.66	54 26N	48 21E	81.2	191.3	2.181	20.65	57.9	SO312	.03070	8.9877	0.6	F
9009	29060.46	54 26N	48 21E	81.5	191.2	2.037	21.35	57.9	SO312	.03070	8.9052	0.6	A
9010	29070.86	53 40N	46 51E	74.2	191.0	2.181	-9.45	58.4	SO312	.04070	9.9120	0.4	V
9011	29073.66	53 39N	46 51E	75.0	190.9	2.181	-9.10	58.4	SO312	.03070	9.6974	0.4	A
9012	29089.26	52 8N	47 8E	77.6	190.7	2.181	13.65	59.9	SO312	.03070	9.3921	2.0	F
9013	29094.86	52 8N	47 8E	77.8	190.6	2.181	14.35	59.9	SO312	.03070	9.3261	2.0	A
9014	29104.06	51 13N	45 57E	75.1	190.4	2.181	-9.80	60.4	SO312	.03070	9.6562	0.6	F
9015	29109.46	51 13N	45 57E	75.0	190.3	2.390	-9.45	60.4	SO312	.03070	9.6892	0.6	A
9016	29121.26	50 4N	45 16E	77.4	190.2	2.181	-18.20	61.3	SO312	.03070	9.3508	0.4	F
9017	29126.86	50 4N	45 16E	77.2	190.1	2.181	-17.50	61.3	SO312	.03070	9.4251	0.4	A
9018	29138.66	48 53N	46 31E	85.1	189.9	2.181	27.65	62.7	SO312	.03070	8.6493	0.4	V
9019	29142.86	48 25N	46 13E	83.4	189.9	2.390	24.15	63.1	SO312	.03070	8.7318	2.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1067 9020	29148.86	48 25N	46 14E	84.1	189.8	2.181	25.20	63.1	SO312	.03070	8.6246	2.0	A
9021	29178.66	46 20N	44 12E	75.5	189.4	2.390	-15.40	64.3	SO312	.03070	9.7387	0.6	V
9022	29207.06	44 12N	43 29E	77.8	189.1	2.390	-19.25	65.8	SO312	.03070	9.3178	0.8	F
9023	29213.86	43 44N	43 32E	75.8	189.0	2.530	-14.00	66.2	SO312	.03070	9.5737	0.8	F
9024	29216.86	43 31N	43 29E	75.5	189.0	2.530	-13.65	66.4	SO312	.03070	9.6067	0.8	F
9025	29222.26	43 31N	43 29E	75.4	188.9	2.530	-12.95	66.4	SO312	.03070	9.6479	0.8	A
9026	29253.66	40 52N	43 53E	81.9	188.6	2.530	22.75	68.7	SO312	.03070	8.8887	1.0	F
9027	29371.66	32 56N	40 14E	90.1	187.8	2.390	-35.35	71.7	SO312	.02200	8.0138	1.0	F
9028	29378.06	32 56N	40 14E	89.6	187.7	2.738	-35.00	71.8	SO312	.02200	8.1294	1.0	A
9029	29670.06	12 18N	37 15E	82.4	186.7	3.439	0.35	68.4	SO312	.03070	8.7896	0.8	F
9030	29675.86	12 19N	37 15E	82.8	186.7	3.439	1.05	68.4	SO312	.03070	8.7071	1.0	A
9031	30110.26	17 49S	31 5E	109.5	186.8	3.232	-25.90	42.7	SO312	.03070	6.5118	0.8	F
9032	30118.06	17 48S	31 5E	109.3	186.9	3.587	-25.20	42.7	SO312	.03070	6.5448	1.0	A
9033	30235.86	26 19S	28 49E	131.0	187.3	2.881	-36.40	34.5	SO312	.03070	5.4141	1.2	F
9034	30241.06	26 18S	28 30E	139.2	187.3	2.881	-42.00	34.3	SO312	.03070	5.1666	1.0	V
9035	30246.46	26 19S	28 29E	140.9	187.3	3.092	-42.00	34.3	SO312	.02200	5.0675	0.8	A
1068 9001	34146.26	69 7N	33 32E	78.9	198.6	1.135	-14.35	44.2	SO312	.05390	9.1693	1.8	F
9002	34151.86	69 8N	33 33E	78.7	198.2	1.135	-14.00	44.2	SO312	.05390	9.2188	2.0	A
9003	34162.06	68 8N	33 56E	76.3	197.7	1.338	6.30	45.2	SO312	.04070	9.6314	0.4	V
9004	34164.86	68 8N	33 55E	77.1	197.5	1.338	6.30	45.2	SO312	.04070	9.4086	0.4	A
9005	34170.46	67 29N	32 29E	77.0	197.3	1.338	-8.05	45.8	SO312	.04070	9.4168	0.6	F
9006	34174.66	67 13N	32 13E	77.0	197.1	1.338	-8.75	46.1	SO312	.04070	9.4086	1.0	F
9007	34180.06	67 13N	32 13E	76.9	196.8	1.338	-8.40	46.1	SO312	.04070	9.4416	1.2	A
9008	34261.66	61 25N	29 49E	81.6	193.7	1.690	22.05	51.6	SO312	.03070	9.0042	0.4	V
9009	34268.66	60 50N	28 56E	77.5	193.5	1.826	11.55	52.1	SO312	.04070	9.3838	0.4	F
9010	34273.26	60 28N	29 6E	80.7	193.4	1.826	18.90	52.5	SO312	.03070	9.0290	0.6	F
9011	34279.06	60 28N	29 5E	80.7	193.2	1.690	19.25	52.5	SO312	.03070	8.9794	0.6	A
9012	34293.06	59 21N	26 26E	82.3	192.8	1.690	-25.55	53.2	SO312	.03070	8.7479	0.6	F
9013	34295.26	59 13N	26 22E	82.2	192.8	1.690	-25.55	53.4	SO312	.03070	8.8061	0.6	F
9014	34298.06	59 13N	26 21E	81.3	192.7	1.690	-25.55	53.4	SO312	.03070	9.0472	0.6	V
9015	34305.86	58 26N	26 47E	75.6	192.5	1.826	-8.75	54.2	SO312	.04070	9.5984	0.6	F
9016	34308.46	58 26N	26 46E	74.7	192.5	1.826	-8.75	54.2	SO312	.04070	9.8377	0.8	V
9017	34315.06	57 51N	25 55E	80.0	192.4	1.690	-22.05	54.6	SO312	.03070	9.0455	0.4	F
9018	34320.86	57 51N	25 55E	79.7	192.2	1.826	-21.70	54.6	SO312	.03070	9.1115	0.4	A
9019	34329.86	56 48N	26 5E	75.2	192.0	2.037	-8.05	55.6	SO312	.04070	9.6397	0.4	F
9020	34332.46	56 48N	26 5E	74.3	191.9	2.037	-7.70	55.6	SO312	.04070	9.8873	0.4	V
9021	34341.26	55 56N	26 30E	77.0	191.7	2.181	11.55	56.5	SO312	.03070	9.4499	1.0	F
9022	34346.86	55 56N	26 29E	77.2	191.6	2.037	12.25	56.6	SO312	.03070	9.4003	0.8	A
9023	34354.46	54 58N	26 38E	83.7	191.4	2.037	24.50	57.5	SO312	.03070	8.7071	0.6	F
9024	34359.66	54 37N	26 23E	82.2	191.3	2.037	22.40	57.8	SO312	.03070	8.8639	0.8	F
9025	34363.66	54 33N	26 18E	80.5	191.3	2.037	21.35	57.8	SO312	.03070	9.1362	0.8	V
9026	34366.66	54 33N	26 18E	81.7	191.2	2.037	21.70	57.8	SO312	.03070	8.8721	0.8	A
9027	34375.86	53 40N	24 54E	74.6	191.0	2.181	-5.25	58.4	SO312	.03070	9.7305	0.8	F
9028	34381.26	53 40N	24 54E	74.6	190.9	2.181	-4.55	58.4	SO312	.03070	9.7387	0.8	A
9029	34391.26	52 37N	24 34E	74.5	190.8	2.181	-3.50	59.3	SO312	.03070	9.7470	0.4	F
9030	34392.66	52 31N	24 32E	74.5	190.7	2.181	-3.50	59.4	SO312	.03070	9.7470	0.6	F
9031	34395.26	52 31N	24 32E	73.6	190.7	2.181	-3.15	59.4	SO312	.03070	9.9863	0.6	V
9032	34402.06	52 8N	23 41E	78.4	190.6	2.037	-22.05	59.5	SO312	.03070	9.3756	1.0	V
9033	34407.66	51 53N	24 2E	75.2	190.5	2.181	-10.50	59.9	SO312	.03070	9.6644	1.4	A
9034	34415.86	50 54N	24 19E	75.4	190.4	2.390	7.00	60.8	SO312	.03070	9.6479	1.6	F
9035	34419.66	50 49N	24 17E	74.5	190.3	2.181	7.35	60.9	SO312	.03070	9.8625	0.4	V
9036	34425.86	50 21N	24 27E	77.5	190.2	2.181	16.10	61.4	SO312	.03070	9.4994	0.6	V
9037	34428.66	50 22N	24 27E	78.5	190.2	2.181	16.45	61.4	SO312	.03070	9.2353	0.6	A
9038	34432.26	50 7N	24 21E	78.4	190.1	2.181	16.10	61.6	SO312	.03070	9.2600	0.6	A
9039	34442.86	48 60N	24 6E	79.7	190.0	2.390	18.90	62.5	SO312	.03070	9.1280	0.6	F
9040	34448.66	48 59N	24 6E	80.2	189.9	2.181	19.95	62.5	SO312	.03070	9.0372	0.6	A
9041	34459.06	48 13N	22 38E	75.7	189.8	2.390	-16.10	62.8	SO312	.03070	9.7140	0.4	V
9042	34508.66	44 28N	22 54E	84.5	189.2	2.390	25.55	66.2	SO312	.03070	8.6246	0.6	F
9043	34511.66	44 28N	22 54E	83.6	189.1	2.181	25.90	66.2	SO312	.03070	8.7979	0.6	V
9044	34518.26	44 15N	22 26E	78.1	189.1	2.390	15.05	66.2	SO312	.03070	9.2848	0.8	A
9045	34527.46	43 10N	22 36E	86.1	189.0	2.390	27.65	67.2	SO312	.03070	8.4678	0.6	F
9046	34533.66	43 10N	22 36E	87.0	188.9	2.181	28.70	67.2	SO312	.03070	8.3357	0.6	A
9047	34539.46	42 17N	22 41E	94.7	188.9	2.181	35.70	68.0	SO312	.01650	7.7250	0.4	F
9048	34542.66	42 18N	22 42E	94.1	188.8	2.181	36.05	68.0	SO312	.01650	7.8240	0.4	V
9049	34547.86	41 46N	22 12E	86.3	188.8	2.390	27.65	68.2	SO312	.01650	8.4512	0.6	F
9050	34554.06	41 46N	22 12E	87.1	188.7	2.181	28.70	68.2	SO312	.01650	8.3109	0.6	A
9051	34564.26	40 48N	19 55E	87.9	188.6	2.390	-35.00	67.8	SO312	.01650	8.3440	0.8	V
9052	34571.46	40 48N	19 55E	88.6	188.6	2.390	-34.65	67.8	SO312	.01650	8.2037	0.8	A
9053	34578.06	39 54N	20 0E	82.2	188.5	2.530	-26.95	68.6	SO312	.04070	8.8144	0.6	F
9054	34583.86	39 54N	20 1E	81.7	188.4	2.738	-26.25	68.6	SO312	.04070	8.8969	0.8	A
9055	35226.66	4 46S	11 51E	92.8	186.5	3.587	-11.20	54.7	SO312	.04070	7.7497	0.6	F
9056	35230.06	4 46S	11 50E	91.8	186.5	3.587	-10.85	54.7	SO312	.04070	7.9148	0.4	V
9057	35236.86	5 32S	12 17E	95.0	186.5	3.232	10.15	54.4	SO312	.03070	7.5929	1.2	F
9058	35238.86	5 40S	12 16E	95.1	186.5	3.232	10.15	54.3	SO312	.03070	7.5847	0.6	F
9059	35243.86	5 32S	12 17E	95.9	186.5	3.232	11.20	54.4	SO312	.03070	7.4526	1.2	A
9060	35245.86	5 40S	12 16E	96.0	186.5	3.232	11.20	54.3	SO312	.03070	7.4444	0.6	A
1069 9001	39749.06	49 8N	1 31E	74.9	190.0	2.390	4.55	62.3	SO312	.03070	9.6974	0.6	F
9002	39754.46	49 8N	1 31E	75.0	189.9	2.390	5.25	62.3	SO312	.03070	9.6644	0.6	A
9003	39812.26	44 55N	0 46W	80.9	189.2	2.181	-25.20	65.2	SO312	.03070	8.9299	0.8	F
9004	39818.06	44 55N	0 46W	80.6	189.1	2.390	-24.85	65.2	SO312	.03070	9.0207	0.8	A
9005	39823.06	44 24N	1 14W	86.5	189.1	2.181	-33.60	65.4	SO312	.03070	8.4678	1.0	V
9006	39826.26	44 24N	1 14W	87.2	189.1	2.181	-33.25	65.4	SO312	.03070	8.3357	1.0	A
9007	39956.06	34 50N	1 34W	90.6	188.0	2.530	31.15	72.4	SO312	.02200	8.0551	1.2	F
9008	39962.46	34 50N	1 34W	91.5	187.9	2.181	32.20	72.4	SO312	.02200	7.8983	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1071 9001	51001.46	5 11N	52 38W	85.6	186.5	3.587	-7.35	63.1	SO312	.03070	8.4265	0.8	F
9002	51007.66	5 11N	52 38W	85.9	186.5	3.587	-6.30	63.1	SO312	.03070	8.3770	0.8	A
9003	51363.46	18 58S	57 49W	115.8	186.9	3.439	-30.80	41.5	SO312	.03070	6.1734	0.8	A
9004	51384.26	20 34S	56 39W	108.0	187.0	2.881	13.30	40.7	SO312	.03070	6.5778	0.6	A
9005	51400.86	22 7S	57 56W	108.1	187.0	3.232	-17.85	38.8	SO312	.03070	6.5943	1.4	F
9006	51407.46	22 35S	57 50W	106.1	187.0	3.439	-12.25	38.4	SO312	.03070	6.7264	1.4	F
9007	51412.46	22 24S	57 49W	106.5	187.1	3.439	-12.25	38.6	SO312	.03070	6.6851	1.4	A
9008	51423.46	23 31S	57 1W	111.8	187.1	2.738	17.85	38.0	SO312	.03070	6.4375	0.6	V
9009	51432.06	23 50S	56 27W	130.8	187.1	2.181	32.90	37.9	SO312	.03070	5.3976	1.4	A
9010	51511.46	29 4S	59 12W	112.2	187.5	3.232	-11.90	32.3	SO312	.03070	6.3220	1.0	A
9011	51584.26	34 39S	59 27W	119.0	187.9	2.738	12.25	27.3	SO312	.03070	5.9836	0.6	F
9012	51593.66	34 31S	60 55W	123.1	187.9	3.232	-23.10	26.9	SO312	.03070	5.7608	1.4	A
9013	51604.46	35 49S	61 50W	137.3	188.0	2.738	-34.65	25.4	SO312	.03070	5.1418	1.0	F
9014	51613.06	36 9S	61 3W	119.1	188.1	3.092	-17.50	25.4	SO312	.04070	6.0249	1.0	V
9015	51618.66	36 11S	61 24W	125.8	188.1	3.232	-24.50	25.3	SO312	.03070	5.6370	1.4	A
9016	51632.46	37 13S	60 52W	118.0	188.2	2.881	-6.30	24.6	SO312	.04070	5.9836	1.4	A
9017	51649.46	38 52S	62 6W	127.9	188.3	2.881	-24.50	22.7	SO312	.04070	5.5297	1.0	F
9018	51658.86	38 52S	62 5W	127.9	188.4	3.092	-23.80	22.7	SO312	.04070	5.5297	1.0	A
1072 5001	56223.46	10 59N	72 33W	103.5	186.6	2.530	35.00	68.3	SO130	.01660	7.0736	0.8	V
5002	56228.46	10 54N	72 40W	101.8	186.6	2.530	32.55	68.2	SO130	.01660	7.0736	0.6	A
9001	56112.26	18 34N	72 21W	79.6	186.9	3.439	-7.70	71.7	SO312	.03070	9.0950	0.6	F
9002	56118.06	18 34N	72 21W	79.8	186.9	3.439	-6.65	71.7	SO312	.03070	9.0620	0.4	A
9003	56214.66	11 27N	73 6W	86.5	186.6	3.232	14.35	68.1	SO312	.03070	8.3935	0.6	F
9004	56234.86	10 29N	73 14W	88.3	186.6	3.092	16.45	67.5	SO312	.03070	8.1376	1.4	A
9005	56253.86	9 17N	74 26W	88.5	186.6	3.587	-22.40	65.9	SO312	.03070	8.1706	0.8	A
9006	56364.26	1 22N	74 48W	92.4	186.5	3.092	16.80	60.4	SO312	.03070	7.8818	1.0	V
9007	56375.86	0 20N	74 54W	95.1	186.5	3.092	18.55	59.6	SO312	.03070	7.6094	1.0	F
9008	56382.66	0 11S	74 46W	101.4	186.5	2.881	25.90	59.3	SO312	.02200	7.1473	1.6	F
9009	56390.06	0 11S	74 45W	103.1	186.5	2.530	27.30	59.3	SO312	.03070	6.9409	0.6	A
9010	56416.06	2 0S	76 59W	109.4	186.5	3.232	-38.50	56.6	SO312	.02200	6.6686	1.4	V
9011	56426.26	2 47S	76 27W	92.3	186.5	3.587	-18.20	56.3	SO312	.03070	7.8735	1.4	V
9012	56447.46	4 26S	77 38W	121.2	186.5	2.881	-43.40	54.3	SO312	.02200	5.8846	0.4	F
9013	56456.06	4 25S	77 38W	120.2	186.5	3.439	-43.05	54.4	SO312	.02200	6.0001	0.6	A
1073 9001	61075.26	42 4N	87 49W	96.9	188.8	2.037	38.15	68.2	SO312	.02200	7.5764	3.0	V
1074 5001	66407.46	40 12N	113 12W	97.8	188.5	1.826	-42.35	68.0	SO130	.01250	7.3542	1.2	F
5002	66414.46	40 13N	113 13W	97.8	188.5	2.037	-42.35	68.0	SO130	.01660	7.4615	1.2	A
9001	66407.26	40 13N	113 12W	97.9	188.5	1.826	-42.35	68.0	SO312	.01650	7.3536	1.2	F
9002	66414.26	40 13N	113 13W	97.7	188.5	2.037	-42.35	68.0	SO312	.02200	7.4609	1.2	A
9003	66476.66	35 21N	112 51W	74.6	188.0	2.881	2.45	71.6	SO312	.02200	9.7470	0.6	F
9004	66482.06	35 21N	112 51W	74.9	188.0	2.881	3.50	71.6	SO312	.02200	9.6892	0.6	A
1075 5001	70512.26	56 42N	37 6E	105.2	348.3	-2.020	-25.55	-6.1	SO130	.29590	6.8260	0.6	F
5002	70520.26	56 52N	35 56E	92.7	348.1	-1.805	-6.65	-5.6	SO130	.29590	7.8412	0.4	V
1079 9001	6361.25	53 30N	141 3E	78.3	191.0	2.181	-19.60	58.4	SO312	.03070	9.2435	0.4	F
9002	6364.05	53 30N	141 3E	77.2	190.9	2.181	-19.25	58.4	SO312	.03070	9.5076	0.4	V
9003	6369.45	53 9N	140 44E	79.4	190.8	2.181	-23.80	58.7	SO312	.04070	9.2353	0.4	V
9004	6372.25	53 9N	140 44E	80.1	190.8	2.181	-23.45	58.7	SO312	.04070	9.0702	0.6	A
9005	6384.65	51 46N	141 41E	78.1	190.6	2.390	14.70	60.2	SO312	.03070	9.3178	1.0	F
9006	6390.25	51 46N	141 42E	78.4	190.5	2.181	15.75	60.2	SO312	.03070	9.2518	1.0	A
9007	6428.05	48 53N	140 3E	74.3	189.9	2.390	-3.15	62.4	SO312	.03070	9.7717	0.8	F
9008	6433.45	48 53N	140 3E	74.3	189.9	2.390	-2.45	62.4	SO312	.03070	9.7800	0.8	A
1080 9001	11861.65	40 33N	115 60E	76.4	188.6	2.738	12.95	68.8	SO312	.03070	9.6149	0.6	V
9002	11864.65	40 32N	115 59E	77.4	188.5	2.530	13.30	68.8	SO312	.03070	9.3673	0.4	A
9003	11871.25	39 51N	116 9E	82.3	188.5	2.530	23.45	69.4	SO312	.03070	8.9382	1.0	V
9004	11874.45	39 51N	116 8E	83.3	188.5	2.530	23.45	69.4	SO312	.03070	8.8906	0.8	A
9005	11880.85	39 16N	115 27E	74.7	188.4	2.738	5.95	69.5	SO312	.03070	9.8377	0.4	V
9006	11884.45	38 50N	115 22E	75.8	188.4	2.738	6.65	69.7	SO312	.02200	9.5984	0.4	F
9007	11889.05	38 32N	115 3E	74.8	188.3	2.738	-2.45	69.8	SO312	.03070	9.7140	0.6	F
9008	11896.85	38 3N	114 30E	77.3	188.3	2.738	-17.15	69.8	SO312	.03070	9.3756	0.4	F
9009	11899.65	38 2N	114 30E	76.3	188.3	2.738	-16.80	69.8	SO312	.03070	9.6314	0.4	V
9010	11906.65	37 41N	115 3E	75.8	188.2	2.881	5.95	70.4	SO312	.03070	9.5571	0.4	A
9011	11913.05	36 55N	114 26E	75.5	188.2	2.881	-10.15	70.5	SO312	.02200	9.5984	0.8	F
9012	11918.45	36 55N	114 26E	75.5	188.1	2.881	-9.45	70.6	SO312	.02200	9.6232	0.8	A
9013	11981.65	32 31N	114 1E	78.6	187.7	2.881	12.60	72.9	SO312	.02200	9.2105	0.8	A
9014	12040.25	28 19N	112 47E	75.7	187.4	3.092	-0.70	73.6	SO312	.03070	9.6974	0.4	V
9015	12043.05	28 19N	112 47E	76.7	187.4	3.092	-0.35	73.6	SO312	.03070	9.4499	0.4	A
9016	12124.25	22 45N	111 36E	78.2	187.0	3.232	-2.80	73.2	SO312	.03070	9.2600	0.4	A
9017	12143.05	21 30N	111 1E	80.9	187.0	3.439	-17.15	72.5	SO312	.03070	8.9629	1.2	A
9018	12151.85	20 56N	110 37E	86.7	187.0	3.232	-27.65	72.1	SO312	.03070	8.3852	0.6	A
9019	12249.45	13 47N	109 16E	90.7	186.7	3.092	-29.05	68.7	SO312	.02200	7.9478	0.4	F
9020	12252.65	13 47N	109 16E	89.3	186.7	3.092	-28.35	68.7	SO312	.03070	8.1954	0.4	V
9021	12258.65	13 9N	109 14E	88.6	186.7	3.232	-26.25	68.4	SO312	.03070	8.1294	0.6	F
9022	12262.85	13 3N	109 20E	85.3	186.7	3.439	-21.70	68.4	SO312	.03070	8.5833	0.4	V
9023	12266.05	13 3N	109 21E	86.1	186.7	3.439	-21.00	68.4	SO312	.04070	8.4100	0.4	A
9024	12274.25	12 16N	109 12E	85.4	186.7	3.439	-21.35	67.9	SO312	.03070	8.5668	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1080	9025	12277.25	12 17N	109 12E	86.4	186.7	3.439	-21.00	67.9	SO312	.03070	8.3770	0.8	A
	9026	12280.65	12 3N	109 11E	86.2	186.7	3.439	-20.30	67.8	SO312	.03070	8.3935	0.8	A
	9027	12282.25	11 56N	109 10E	86.2	186.6	3.439	-20.30	67.7	SO312	.03070	8.3935	0.6	A
	9028	12539.05	6 15S	106 53E	96.8	186.5	3.232	13.30	53.8	SO312	.03070	7.4609	0.6	F
	9029	12540.25	6 19S	106 52E	96.8	186.5	3.232	13.30	53.7	SO312	.03070	7.4526	2.4	F
	9030	12546.05	6 14S	106 53E	97.7	186.6	3.232	14.00	53.8	SO312	.03070	7.3206	0.6	A
	9031	12547.45	6 20S	106 52E	97.7	186.6	3.232	14.00	53.7	SO312	.03070	7.3123	2.4	A
1081	9001	16950.05	55 53N	98 10E	75.2	191.6	2.037	-8.40	56.4	SO312	.03070	9.6644	0.4	A
	9002	17262.65	34 14N	92 27E	77.3	187.9	2.738	18.20	72.3	SO312	.03070	9.5076	0.6	V
	9003	17329.65	29 41N	91 5E	74.2	187.5	3.092	4.90	73.5	SO312	.03070	9.8955	0.4	V
	9004	17332.45	29 40N	91 5E	75.2	187.5	3.092	5.25	73.5	SO312	.03070	9.8314	0.4	A
	9005	17339.45	29 13N	90 40E	74.1	187.4	3.092	-7.70	73.3	SO312	.03070	9.7965	0.6	A
	9006	18319.65	37 51S	77 33E	119.1	188.2	2.881	-12.95	23.8	SO312	.04070	6.0166	0.4	V
	9007	18324.05	37 50S	77 34E	120.7	188.3	3.092	-12.60	23.9	SO312	.04070	5.8598	0.6	A
1082	9001	22342.45	49 52N	73 13E	80.8	190.1	2.037	-25.20	61.4	SO312	.03070	8.9629	0.6	F
	9002	22348.25	49 52N	73 13E	80.5	190.0	2.181	-24.85	61.4	SO312	.03070	9.0290	0.6	A
	9003	22397.25	49 57N	73 37E	81.8	189.4	2.390	22.05	65.0	SO312	.03070	8.9052	2.4	F
	9004	22403.05	49 57N	73 38E	82.4	189.3	2.181	23.10	65.0	SO312	.03070	8.7979	2.4	A
	9005	22443.25	43 0N	72 44E	81.0	188.9	2.390	22.40	67.2	SO312	.02200	9.0702	0.8	V
	9006	22446.25	43 0N	72 44E	82.2	188.9	2.390	22.75	67.2	SO312	.02200	8.8061	0.8	A
	9007	22450.65	42 42N	72 38E	82.2	188.8	2.390	22.40	67.4	SO312	.03070	8.8061	0.4	A
	9008	22482.05	40 22N	71 46E	77.1	188.5	2.530	14.70	68.9	SO312	.02200	9.5406	0.6	V
	9009	22484.85	40 23N	71 46E	78.2	188.5	2.530	15.05	68.9	SO312	.02200	9.2643	0.6	A
	9010	22522.85	37 56N	69 48E	84.6	188.2	2.738	-30.45	69.6	SO312	.03070	8.5998	0.4	A
	9011	22565.05	34 37N	69 8E	82.8	187.9	2.530	-28.35	71.3	SO312	.02200	8.7153	1.0	F
	9012	22567.05	34 28N	69 6E	83.0	187.9	2.530	-28.35	71.3	SO312	.02200	8.6988	0.6	F
	9013	22571.05	34 36N	69 8E	82.6	187.9	2.738	-28.00	71.3	SO312	.02200	8.8144	0.8	A
	9014	22572.85	34 29N	69 6E	82.8	187.9	2.738	-28.00	71.3	SO312	.02200	8.7896	0.8	A
	9015	22705.65	24 55N	67 9E	85.6	187.2	2.881	-27.65	72.9	SO312	.03070	8.4347	0.6	F
	9016	22707.45	24 48N	67 8E	85.6	187.2	2.881	-27.65	72.9	SO312	.02200	8.4265	0.4	F
	9017	22710.45	24 48N	67 8E	84.2	187.2	2.881	-26.95	72.9	SO312	.03070	8.6906	0.6	V
	9018	22713.45	24 49N	67 8E	85.2	187.2	3.092	-26.95	73.0	SO312	.02200	8.5255	0.6	A
1083	5001	27612.65	52 50N	52 14E	79.1	190.7	2.181	-21.35	59.0	SO130	.02210	9.2031	0.4	A
	9001	27358.65	69 45N	61 42E	82.6	198.9	0.995	-23.80	43.6	SO312	.02200	8.8721	0.4	V
	9002	27361.85	69 44N	61 43E	83.3	198.7	0.995	-23.45	43.6	SO312	.02200	8.7153	0.4	A
	9003	27393.05	67 7N	62 40E	85.8	197.0	1.338	26.60	46.3	SO312	.04070	8.5585	0.8	V
	9004	27396.25	67 7N	62 39E	86.8	196.9	1.338	26.60	46.3	SO312	.03070	8.3522	0.8	A
	9005	27526.45	58 4N	56 19E	83.1	192.5	2.037	23.10	54.7	SO312	.03070	8.7649	1.6	F
	9006	27532.45	58 4N	56 19E	83.4	192.3	1.826	23.80	54.7	SO312	.03070	8.6988	1.6	A
	9007	27536.05	57 49N	56 13E	83.6	192.2	1.826	24.15	54.9	SO312	.03070	8.6823	1.0	A
	9008	27547.25	57 3N	54 8E	76.3	192.0	1.826	-15.75	55.4	SO312	.04070	9.6397	0.4	V
	9009	27550.05	57 3N	54 9E	77.0	191.9	2.037	-15.40	55.4	SO312	.03070	9.4416	0.4	A
	9010	27559.85	56 8N	54 20E	73.9	191.7	2.037	-1.40	56.3	SO312	.04070	9.9368	0.6	V
	9011	27563.05	56 7N	54 18E	74.8	191.6	2.037	-2.45	56.3	SO312	.04070	9.7057	0.4	A
	9012	27583.85	54 52N	52 26E	87.4	191.2	1.826	-32.90	57.1	SO312	.03070	8.3357	0.6	A
	9013	27616.65	52 10N	52 5E	78.2	190.6	2.181	-19.95	59.5	SO312	.03070	9.2518	1.2	F
	9014	27622.25	52 10N	52 5E	77.9	190.6	2.181	-19.25	59.5	SO312	.03070	9.3343	1.2	A
	9015	27728.25	44 40N	50 20E	73.6	189.2	2.530	-1.75	65.7	SO312	.03070	9.9863	0.6	V
	9016	27731.05	44 39N	50 19E	74.5	189.1	2.530	-1.40	65.7	SO312	.03070	9.7470	0.6	A
	9017	27782.85	40 43N	49 28E	75.4	188.6	2.738	4.90	68.5	SO312	.03070	9.6397	0.4	F
	9018	27785.45	40 43N	49 29E	74.6	188.6	2.738	5.25	68.5	SO312	.03070	9.8460	0.4	V
	9019	27791.25	40 28N	49 50E	81.1	188.5	2.530	19.95	68.9	SO312	.03070	8.9299	0.4	A
	9020	27798.25	39 41N	49 0E	74.8	188.5	2.738	-1.75	69.1	SO312	.02200	9.7140	1.0	F
	9021	27803.45	39 42N	49 0E	74.9	188.4	2.738	-1.05	69.1	SO312	.02200	9.6892	1.6	A
	9022	27812.45	38 53N	48 49E	74.1	188.4	2.738	-0.70	69.6	SO312	.03070	9.9120	0.6	V
	9023	27911.65	31 54N	47 10E	75.9	187.7	3.092	-2.45	72.8	SO312	.03070	9.5654	1.0	F
	9024	27917.25	31 53N	47 9E	76.1	187.6	3.092	-1.75	72.8	SO312	.03070	9.5241	0.8	A
	9025	27928.85	30 36N	47 41E	87.1	187.6	2.738	25.90	73.8	SO312	.01650	8.3687	3.0	F
	9026	27936.85	30 28N	47 40E	88.3	187.5	2.530	27.30	73.9	SO312	.01650	8.1789	1.2	A
	9027	27961.85	28 29N	46 1E	79.5	187.4	3.092	-18.90	73.2	SO312	.03070	9.1032	0.8	F
	9028	27967.45	28 29N	46 0E	79.4	187.4	3.092	-18.20	73.2	SO312	.03070	9.1362	1.0	A
	9029	28146.85	15 42N	43 58E	80.7	186.8	3.439	-2.80	70.4	SO312	.03070	8.9712	0.8	F
	9030	28152.65	15 42N	43 58E	81.0	186.8	3.439	-1.75	70.4	SO312	.03070	8.9134	0.8	A
	9031	28164.85	14 21N	44 24E	90.5	186.7	2.881	23.45	70.2	SO312	.02200	8.0386	0.8	F
	9032	28168.05	14 21N	44 23E	89.9	186.7	2.881	23.80	70.2	SO312	.03070	8.1459	0.8	V
	9033	28174.45	13 43N	44 9E	87.3	186.7	3.092	18.90	69.7	SO312	.01650	8.3192	1.0	F
	9034	28177.65	13 43N	44 8E	86.4	186.7	2.881	19.25	69.7	SO312	.03070	8.4678	1.4	V
	9035	28181.65	13 39N	44 7E	87.9	186.7	2.881	19.60	69.7	SO312	.03070	8.1954	0.6	A
	9036	28190.65	12 41N	43 25E	82.1	186.7	3.439	-2.80	68.6	SO312	.04070	8.8226	0.8	F
	9037	28196.45	12 41N	43 25E	82.4	186.7	3.439	-1.75	68.6	SO312	.04070	8.7566	1.0	A
	9038	28243.45	9 19N	42 8E	90.5	186.6	3.232	-28.00	65.8	SO312	.03070	8.0634	0.6	V
	9039	28246.85	9 19N	42 8E	91.3	186.6	3.439	-27.65	65.8	SO312	.03070	7.9231	0.4	A
	9040	28421.45	2 55S	40 14E	93.2	186.5	3.587	-18.90	56.2	SO312	.03070	7.7993	0.6	V
	9041	28425.05	2 56S	40 13E	94.4	186.5	3.587	-18.55	56.2	SO312	.03070	7.6177	0.4	A
	9042	28472.65	6 38S	39 10E	105.8	186.6	3.232	-31.15	52.7	SO312	.02200	6.7594	0.4	F
	9043	28477.65	6 44S	39 15E	102.2	186.6	3.439	-28.35	52.7	SO312	.03070	7.1143	0.8	V
	9044	28481.45	6 44S	39 14E	103.3	186.6	3.439	-28.00	52.7	SO312	.03070	6.9657	0.8	A
1084	5001	32732.25	64 36N	39 50E	107.1	195.6	1.484	42.70	48.7	SO130	.02210	6.8177	0.8	F
	5002	32740.05	64 36N	39 50E	107.8	195.3	1.135	43.40	48.7	SO130	.02210	6.7435	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1084 5003	32954.85	49 36N	30 14E	76.8	190.1	2.390	12.25	62.0	S0130	.02210	9.4673	0.4	F
5004	32977.25	48 54N	28 57E	77.2	189.9	2.390	-17.85	62.2	S0130	.02210	9.4425	0.4	A
5005	33011.85	46 26N	29 2E	75.7	189.4	2.390	8.05	64.4	S0130	.02210	9.5993	0.6	A
9001	32691.65	67 42N	40 58E	84.5	197.5	1.338	24.85	45.7	S0312	.04070	8.6906	0.4	V
9002	32694.85	67 42N	40 59E	85.7	197.3	1.338	25.20	45.7	S0312	.04070	8.4512	0.4	A
9003	32775.85	62 12N	34 18E	80.2	194.1	1.484	-21.00	50.7	S0312	.04070	9.0207	0.6	F
9004	32781.65	61 47N	34 27E	77.1	193.9	1.690	-13.65	51.1	S0312	.04070	9.3921	0.6	F
9005	32784.25	61 47N	34 28E	76.1	193.8	1.690	-13.30	51.1	S0312	.04070	9.6397	0.6	V
9006	32788.85	61 43N	34 3E	79.6	193.7	1.690	-20.30	51.2	S0312	.04070	9.1280	0.6	A
9007	32800.45	60 44N	33 35E	78.3	193.3	1.690	-19.60	52.1	S0312	.04070	9.3756	0.6	V
9008	32803.25	60 44N	33 35E	79.0	193.2	1.690	-19.25	52.0	S0312	.04070	9.2023	0.6	A
9009	32828.85	58 51N	32 14E	82.9	192.6	1.690	-28.00	53.7	S0312	.03070	8.8556	0.4	V
9010	32836.45	58 12N	33 10E	74.0	192.4	2.037	-1.05	54.4	S0312	.04070	9.9203	0.6	V
9011	32839.25	58 12N	33 10E	74.9	192.3	2.037	-0.70	54.4	S0312	.04070	9.6974	0.6	A
9012	32843.45	57 43N	33 9E	74.4	192.2	2.037	4.20	54.9	S0312	.04070	9.6708	0.4	V
9013	32846.25	57 42N	33 9E	75.3	192.2	2.037	4.55	54.9	S0312	.04070	9.6397	0.4	A
9014	32879.05	55 36N	31 17E	78.0	191.5	2.037	-18.55	56.6	S0312	.03070	9.3178	0.4	A
9015	32886.25	54 41N	31 26E	74.8	191.3	2.037	-6.30	57.5	S0312	.03070	9.6974	0.4	F
9016	32893.65	54 28N	30 19E	84.1	191.2	1.826	-30.45	57.5	S0312	.03070	8.7071	0.8	V
9017	32896.65	54 28N	30 19E	84.8	191.1	1.826	-30.10	57.5	S0312	.03070	8.5868	0.8	A
9018	32903.85	53 33N	30 12E	81.7	191.0	1.826	-25.90	58.3	S0312	.03070	8.8391	0.6	F
9019	32909.65	53 33N	30 12E	81.4	190.9	2.037	-25.55	58.3	S0312	.03070	8.9382	0.6	A
9020	32921.45	52 26N	30 54E	73.9	190.7	2.181	3.15	59.5	S0312	.03070	9.9368	0.4	V
9021	32924.05	52 26N	30 54E	74.8	190.6	2.181	3.50	59.5	S0312	.03070	9.6974	0.4	A
9022	32930.05	51 39N	30 43E	75.1	190.6	2.390	5.25	60.2	S0312	.03070	9.6727	0.6	F
9023	32935.25	51 40N	30 43E	75.2	190.5	2.181	6.30	60.2	S0312	.03070	9.6479	0.6	A
9024	32945.25	50 38N	30 13E	74.5	190.3	2.390	1.40	61.0	S0312	.03070	9.7470	1.0	F
9025	32950.65	50 38N	30 13E	74.6	190.2	2.390	2.10	61.0	S0312	.03070	9.7305	0.8	A
9026	32969.45	49 1N	29 22E	74.6	190.0	2.390	-7.35	62.2	S0312	.03070	9.7305	0.6	F
9027	32972.05	49 1N	29 22E	73.7	189.9	2.390	-7.00	62.3	S0312	.03070	9.9698	0.6	V
9028	32987.25	47 46N	29 13E	74.4	189.7	2.390	0.00	63.3	S0312	.03070	9.7635	0.6	F
9029	32992.45	47 47N	29 13E	74.4	189.7	2.390	0.70	63.3	S0312	.03070	9.7552	0.6	A
9030	32999.85	47 7N	28 43E	73.9	189.6	2.390	-8.75	63.7	S0312	.04070	9.9368	0.4	V
9031	33002.65	47 7N	28 43E	74.7	189.5	2.390	-8.40	63.7	S0312	.04070	9.7222	0.4	A
9032	33021.85	45 27N	28 2E	76.3	189.3	2.390	-15.05	64.9	S0312	.03070	9.4994	0.8	F
9033	33024.65	45 27N	28 2E	75.3	189.3	2.390	-14.70	64.9	S0312	.03070	9.7470	0.4	V
9034	33032.05	44 53N	28 26E	73.8	189.2	2.530	3.15	65.6	S0312	.03070	9.9615	0.4	V
9035	33039.05	44 10N	28 40E	78.8	189.1	2.530	16.45	66.3	S0312	.04070	9.2353	0.6	F
9036	33043.85	43 50N	28 33E	78.7	189.1	2.530	16.10	66.5	S0312	.04070	9.2000	0.8	F
9037	33049.45	43 50N	28 33E	79.0	189.0	2.390	16.80	66.5	S0312	.04070	9.1693	0.8	A
9038	33063.65	42 51N	26 37E	87.0	188.9	2.181	-34.30	66.5	S0312	.03070	8.4512	0.4	V
9039	33066.85	42 51N	26 38E	87.5	188.8	2.390	-33.95	66.5	S0312	.03070	8.3109	0.4	A
9040	33071.65	42 17N	26 39E	83.1	188.8	2.390	-29.75	67.0	S0312	.03070	8.8309	0.6	V
9041	33074.65	42 17N	26 40E	83.8	188.8	2.390	-29.40	67.0	S0312	.03070	8.6823	0.6	A
9042	33125.05	38 28N	27 8E	79.1	188.3	2.530	17.85	70.1	S0312	.03070	9.2931	0.6	V
9043	33127.85	38 28N	27 8E	80.2	188.3	2.530	18.20	70.1	S0312	.04070	9.0207	1.2	A
9044	33825.25	9 28S	16 28E	108.2	186.6	3.232	-32.90	50.1	S0312	.03070	6.7016	0.8	V
9045	33829.25	9 28S	16 28E	109.2	186.6	3.439	-32.55	50.1	S0312	.02200	6.5861	1.0	A
1085 9001	38119.25	59 56N	10 44E	81.7	193.0	1.690	-26.25	52.7	S0312	.03070	8.9794	0.8	V
9002	38122.25	59 56N	10 44E	82.4	192.9	1.690	-25.90	52.7	S0312	.03070	8.8144	0.8	A
9003	38211.25	53 43N	7 54E	84.8	191.0	1.826	-31.15	58.1	S0312	.03070	8.6411	0.8	V
9004	38214.45	53 43N	7 54E	85.4	190.9	1.826	-30.80	58.1	S0312	.03070	8.5008	0.6	A
9005	38232.65	51 58N	8 19E	74.6	190.6	2.181	-5.60	59.8	S0312	.03070	9.7222	1.4	F
9006	38238.85	51 33N	8 7E	74.7	190.5	2.181	-7.35	60.2	S0312	.03070	9.7057	0.8	F
9007	38244.25	51 33N	8 7E	74.6	190.4	2.181	-6.65	60.2	S0312	.03070	9.7305	0.8	A
9008	38253.25	50 34N	7 54E	74.2	190.3	2.390	-3.85	61.0	S0312	.03070	9.7800	0.8	F
9009	38258.65	50 33N	7 54E	74.2	190.2	2.390	-3.15	61.0	S0312	.03070	9.7882	0.6	A
9010	38270.05	49 38N	7 10E	75.4	190.0	2.181	-15.40	61.7	S0312	.03070	9.7387	0.6	V
9011	38272.85	49 38N	7 10E	76.2	190.0	2.390	-15.40	61.7	S0312	.03070	9.5406	0.6	A
9012	38455.25	36 48N	3 1E	90.1	188.1	2.181	-35.35	70.1	S0312	.02200	8.0056	0.6	F
9013	38458.45	36 48N	3 1E	88.9	188.1	2.390	-35.35	70.1	S0312	.03070	8.2532	0.6	V
9014	38462.45	36 32N	2 50E	92.3	188.1	2.390	-38.50	70.1	S0312	.01650	7.9396	1.0	V
9015	38465.85	36 32N	2 50E	93.1	188.1	2.390	-38.15	70.2	S0312	.01650	7.8240	1.0	A
9016	38809.45	12 24N	1 30W	90.2	186.7	3.232	-27.30	67.9	S0312	.03070	7.9808	0.8	F
9017	38812.65	12 24N	1 30W	89.0	186.7	3.232	-26.95	67.9	S0312	.03070	8.2037	0.8	V
9018	38816.05	12 23N	1 30W	89.7	186.7	3.439	-26.60	67.9	S0312	.03070	8.0716	0.6	A
1087 9001	49686.05	5 18S	49 8W	107.4	186.5	3.587	-33.95	53.8	S0312	.02200	6.7099	1.6	A
9002	49905.05	20 46S	49 24W	136.7	187.0	1.826	39.20	40.9	S0312	.02200	5.2821	1.4	V
9003	49913.05	21 37S	49 43W	131.7	187.0	2.181	35.35	40.0	S0312	.02200	5.4637	1.4	F
9004	49919.05	21 22S	50 5W	120.4	187.0	2.390	27.30	40.1	S0312	.03070	5.8763	1.4	A
9005	49925.65	22 9S	49 54W	128.6	187.0	2.181	33.95	39.5	S0312	.03070	5.6205	1.4	V
9006	49932.05	22 55S	49 54W	134.4	187.0	2.181	36.05	38.8	S0312	.02200	5.3481	3.0	F
9007	49938.45	23 3S	49 43W	141.6	187.1	1.826	40.25	38.8	S0312	.02200	5.0923	1.4	V
9008	49960.05	23 47S	53 19W	142.1	187.1	3.439	-44.45	36.7	S0312	.02200	5.0428	0.8	A
9009	49967.25	24 58S	53 30W	141.0	187.2	2.881	-43.40	35.5	S0312	.02200	5.0345	1.0	F
9010	49983.05	25 56S	51 37W	108.2	187.2	3.092	8.40	35.5	S0312	.03070	6.6603	1.4	V
9011	49992.65	26 11S	52 41W	112.4	187.3	3.439	-19.60	34.9	S0312	.03070	6.3302	0.8	A
9012	50019.25	28 4S	52 25W	109.6	187.4	3.232	-1.40	33.4	S0312	.03070	6.4705	0.6	A
9013	50029.65	28 37S	53 35W	122.1	187.4	3.439	-28.70	32.4	S0312	.03070	5.8268	0.6	A
9014	50030.85	28 42S	53 37W	122.2	187.5	3.439	-28.70	32.3	S0312	.03070	5.8185	1.0	A
9015	50036.05	29 40S	53 41W	120.3	187.5	3.232	-26.25	31.5	S0312	.03070	5.9093	1.4	F
9016	50045.25	29 40S	53 48W	122.7	187.5	3.439	-28.00	31.4	S0312	.03070	5.7938	0.4	A
9017	50083.85	32 18S	54 11W	120.4	187.7	3.232	-22.40	29.0	S0312	.03070	5.8928	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1088 9001	54749.05	10 38N	67 1W	87.7	186.6	3.092	16.10	67.6	S0312	.03070	8.2697	0.8	F
9002	54756.05	10 13N	67 33W	82.7	186.6	3.439	-2.10	66.9	S0312	.03070	8.7484	0.8	F
9003	54758.85	10 14N	67 33W	81.9	186.6	3.439	-1.75	66.9	S0312	.03070	8.9217	1.0	V
9004	54765.65	9 57N	67 22W	84.8	186.6	3.232	6.40	66.9	S0312	.03070	8.4843	0.8	A
9005	54775.25	9 19N	67 42W	83.7	186.6	3.439	-0.70	66.3	S0312	.03070	8.5998	1.0	A
9006	55162.45	17 35S	70 45W	141.8	186.8	1.690	43.05	44.0	S0312	.02200	5.0840	0.6	V
9007	55169.85	17 43S	70 50W	142.6	186.8	1.484	42.70	43.8	S0312	.02200	4.9602	0.8	A
1089 9001	59905.85	20 56N	86 51W	92.0	187.0	2.530	29.40	73.5	S0312	.02200	7.9726	0.6	V
9002	59909.25	20 56N	86 51W	93.6	187.0	2.530	29.75	73.5	S0312	.02200	7.6920	0.6	A
9003	59953.05	17 35N	88 18W	79.9	186.8	3.439	-1.75	71.4	S0312	.03070	9.0785	1.4	F
9004	59958.85	17 35N	88 18W	80.2	186.8	3.439	-0.70	71.4	S0312	.03070	9.0042	1.2	A
9005	59976.45	15 52N	87 55W	91.2	186.8	2.881	24.85	71.1	S0312	.03070	7.9808	0.8	F
9006	59979.65	15 53N	87 55W	90.6	186.8	2.881	25.20	71.1	S0312	.03070	8.0881	0.8	V
9007	59995.05	14 59N	89 32W	90.0	186.7	3.232	-30.10	69.3	S0312	.03070	8.1376	0.4	V
9008	59998.25	14 59N	89 32W	90.5	186.7	3.439	-29.40	69.4	S0312	.02200	8.0056	0.6	A
9009	60009.25	13 44N	89 11W	81.8	186.7	3.439	-9.45	69.1	S0312	.03070	8.8391	1.0	F
9010	60015.25	13 44N	89 11W	81.9	186.7	3.439	-8.40	69.1	S0312	.03070	8.8144	0.8	A
1090 9001	65028.85	33 16N	107 16W	74.7	187.8	3.092	-2.45	72.3	S0312	.02200	9.7222	0.8	F
9002	65034.25	33 15N	107 16W	74.8	187.8	3.092	-1.40	72.4	S0312	.02200	9.6892	0.6	A
1091 9001	71132.65	21 50S	138 50W	112.2	187.0	2.881	19.25	39.5	S0312	.03070	6.3962	1.0	F
9002	71135.85	21 47S	138 50W	111.4	187.0	2.881	19.60	39.6	S0312	.03070	6.4788	1.8	V
9003	71140.25	21 48S	138 50W	113.4	187.0	2.530	20.30	39.6	S0312	.03070	6.2477	0.8	A
1094 9001	85792.25	64 46N	177 47E	88.9	195.5	1.484	30.10	48.5	S0312	.03070	8.2779	0.6	V
9002	85795.64	64 45N	177 45E	89.9	195.4	1.484	30.10	48.5	S0312	.02200	8.0716	0.4	A
1096 9001	10269.24	47 22N	123 59E	75.2	189.7	2.530	5.95	63.7	S0312	.03070	9.6727	0.6	F
9002	10274.64	47 22N	123 59E	75.3	189.6	2.390	6.65	63.7	S0312	.03070	9.6397	0.6	A
9003	10290.44	46 1N	122 32E	81.0	189.4	2.181	-25.55	64.4	S0312	.03070	8.9217	0.6	F
9004	10296.24	46 1N	122 31E	80.7	189.3	2.390	-25.20	64.4	S0312	.03070	9.0207	0.6	A
9005	10328.64	43 37N	123 35E	86.3	189.0	2.181	28.00	66.8	S0312	.02200	8.3852	0.8	A
9006	10341.24	42 45N	123 21E	86.7	188.9	2.181	28.35	67.5	S0312	.03070	8.3440	0.4	A
9007	10347.24	41 52N	123 22E	93.0	188.8	2.390	33.95	68.2	S0312	.02200	7.8405	0.6	F
9008	10352.24	41 35N	122 57E	84.6	188.7	2.390	25.55	68.2	S0312	.03070	8.6081	0.4	F
9009	10366.84	40 47N	120 54E	86.2	188.6	2.181	-31.85	67.9	S0312	.03070	8.3852	1.8	F
9010	10373.84	40 44N	120 53E	85.8	188.5	2.390	-31.50	67.9	S0312	.03070	8.4925	0.8	A
9011	10388.64	39 20N	122 4E	79.0	188.4	2.530	18.20	69.6	S0312	.03070	9.3013	0.6	V
9012	10389.84	39 15N	122 3E	79.0	188.4	2.530	18.20	69.7	S0312	.03070	9.3013	0.6	V
9013	10395.44	38 55N	121 33E	74.4	188.4	2.738	4.20	69.6	S0312	.04070	9.8708	0.4	V
9014	10398.24	38 55N	121 33E	75.4	188.3	2.738	4.55	69.6	S0312	.04070	9.6149	0.4	A
9015	10517.44	30 26N	118 36E	87.1	187.6	2.530	-31.85	72.5	S0312	.03070	8.2779	0.6	F
9016	10520.64	30 25N	118 35E	86.0	187.5	2.738	-31.85	72.5	S0312	.03070	8.5255	0.4	V
9017	10527.04	29 46N	118 16E	92.9	187.5	2.530	-37.10	72.5	S0312	.02200	7.7580	1.0	F
9018	10593.24	25 7N	118 32E	78.1	187.2	3.232	4.90	73.7	S0312	.03070	9.3096	0.6	F
9019	10596.84	24 53N	118 26E	77.8	187.2	3.232	3.15	73.7	S0312	.03070	9.3343	0.8	F
9020	10606.64	24 29N	117 35E	83.5	187.1	3.092	-26.25	72.9	S0312	.03070	8.7814	0.6	V
1097 9001	15433.44	57 17N	106 33E	83.9	192.1	1.826	26.60	55.5	S0312	.03070	8.7731	0.8	V
9002	15436.44	57 17N	106 33E	85.1	192.0	1.826	26.95	55.5	S0312	.03070	8.5173	0.8	A
9003	15490.24	53 29N	102 37E	83.9	191.0	1.826	-29.05	58.3	S0312	.03070	8.6163	1.0	F
9004	15501.04	52 35N	103 55E	77.2	190.8	2.181	12.95	59.5	S0312	.03070	9.4334	0.8	F
9005	15502.44	52 30N	103 53E	77.1	190.8	2.181	12.95	59.5	S0312	.03070	9.4416	0.8	F
9006	15507.84	52 30N	103 54E	77.4	190.7	2.181	13.65	59.5	S0312	.03070	9.3838	1.0	A
9007	15666.84	41 27N	100 23E	76.5	188.7	2.530	14.00	68.2	S0312	.03070	9.6149	0.4	V
9008	15669.64	41 28N	100 23E	77.5	188.7	2.530	14.35	68.2	S0312	.03070	9.3508	0.4	A
9009	15674.44	40 47N	99 55E	74.5	188.6	2.738	3.85	68.5	S0312	.03070	9.7635	0.4	F
9010	15677.04	40 48N	99 54E	73.6	188.6	2.738	3.50	68.4	S0312	.03070	9.9863	0.4	V
9011	15679.64	40 26N	99 48E	74.5	188.6	2.738	3.15	68.7	S0312	.02200	9.7635	1.0	F
9012	15685.04	40 26N	99 48E	74.6	188.5	2.738	3.85	68.7	S0312	.02200	9.7222	0.8	A
1098 5001	20767.64	55 24N	83 13E	80.3	191.6	2.037	19.25	57.1	S0130	.02210	9.0546	0.6	F
5002	20772.44	55 5N	82 59E	79.0	191.5	2.037	16.80	57.3	S0130	.02210	9.2031	0.4	F
5003	20775.24	55 5N	82 59E	78.3	191.4	2.037	17.15	57.3	S0130	.02210	9.3930	0.4	V
5004	20825.24	52 2N	80 20E	78.7	190.5	2.181	-21.00	59.6	S0130	.02210	9.2609	0.4	A
9001	20767.44	55 24N	83 14E	80.4	191.6	2.037	19.25	57.1	S0312	.03070	9.0537	1.6	F
9002	20772.04	55 6N	82 59E	79.0	191.5	2.037	16.80	57.3	S0312	.03070	9.2023	0.8	F
9003	20774.84	55 6N	82 59E	78.3	191.4	2.037	17.15	57.3	S0312	.03070	9.3921	1.0	V
9004	20778.04	55 5N	82 59E	79.4	191.4	2.037	17.50	57.3	S0312	.03070	9.1362	1.8	A
9005	20792.64	53 51N	81 17E	76.3	191.1	2.037	-14.00	58.2	S0312	.03070	9.4994	0.4	F
9006	20795.24	53 51N	81 17E	75.3	191.0	2.037	-13.65	58.2	S0312	.03070	9.7552	0.6	V
9007	20807.24	52 37N	82 36E	89.2	190.8	2.037	30.80	59.6	S0312	.03070	8.1789	1.2	F
9008	20811.24	52 34N	82 35E	88.4	190.8	2.037	31.15	59.7	S0312	.03070	8.3109	0.4	V
9009	20840.04	50 36N	80 15E	75.1	190.3	2.181	-10.50	60.9	S0312	.03070	9.6562	0.4	F
9010	20843.24	50 23N	80 15E	74.8	190.2	2.390	-8.75	61.1	S0312	.03070	9.6892	0.8	F
9011	20848.64	50 23N	80 15E	74.7	190.2	2.390	-8.05	61.1	S0312	.03070	9.7222	0.8	A
9012	20858.04	49 12N	81 7E	85.1	190.0	2.181	26.60	62.4	S0312	.03070	8.5585	0.6	F
9013	20860.84	49 13N	81 8E	84.4	190.0	2.181	26.95	62.4	S0312	.03070	8.7071	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1098 9014	20864.04	49 13N	81 8E	85.7	189.9	2.181	27.30	62.4	S0312	.03070	8.4430	0.4	A
9015	20868.44	48 54N	81 5E	86.8	189.9	2.181	28.70	62.7	S0312	.03070	8.3274	0.4	A
9016	20869.64	48 50N	81 3E	86.7	189.9	2.181	28.70	62.8	S0312	.03070	8.3357	0.6	A
9017	20876.24	48 0N	80 27E	80.3	189.8	2.390	19.95	63.3	S0312	.03070	9.0702	0.8	F
9018	20881.84	48 1N	80 27E	80.6	189.7	2.181	20.65	63.3	S0312	.03070	8.9794	1.0	A
9019	20924.44	45 2N	78 27E	74.5	189.2	2.530	-12.95	65.3	S0312	.03070	9.8708	0.6	V
9020	20927.24	45 1N	78 26E	75.3	189.2	2.530	-12.60	65.3	S0312	.03070	9.6562	0.6	A
9021	20931.64	44 22N	78 9E	76.7	189.1	2.530	-16.45	65.7	S0312	.02200	9.4581	0.6	F
9022	20937.04	44 22N	78 10E	76.4	189.1	2.530	-15.40	65.7	S0312	.02200	9.5241	0.6	A
9023	20947.44	43 37N	78 17E	74.3	189.0	2.530	-4.90	66.4	S0312	.03070	9.7717	0.4	A
9024	20956.44	42 36N	78 17E	74.0	188.9	2.738	3.50	67.2	S0312	.04070	9.8212	0.6	F
9025	20961.84	42 36N	78 17E	74.2	188.8	2.530	4.90	67.2	S0312	.04070	9.7800	0.6	A
9026	21083.04	34 0N	74 49E	94.9	187.9	2.181	-39.55	71.2	S0312	.02200	7.5929	0.6	F
9027	21089.84	34 0N	74 49E	94.3	187.8	2.390	-39.20	71.2	S0312	.02200	7.7167	0.6	A
9028	21098.24	32 56N	75 7E	81.7	187.8	2.738	-25.20	72.0	S0312	.02200	8.8556	0.8	F
9029	21101.04	32 57N	75 7E	80.6	187.7	2.738	-24.85	72.0	S0312	.02200	9.1115	0.8	V
9030	21108.24	32 23N	75 37E	74.7	187.7	2.881	-2.45	72.6	S0312	.02200	9.8212	0.6	V
9031	21111.04	32 23N	75 37E	75.7	187.7	3.092	-2.10	72.6	S0312	.02200	9.5819	0.6	A
9032	21122.44	31 24N	75 24E	75.0	187.6	3.092	-2.45	72.9	S0312	.02200	9.7882	0.6	V
9033	21125.24	31 24N	75 24E	75.9	187.6	3.092	-2.10	72.9	S0312	.02200	9.5489	0.6	A
9034	21134.84	30 16N	75 51E	84.4	187.6	2.738	22.75	73.8	S0312	.02200	8.6246	0.6	F
9035	21137.84	30 16N	75 51E	83.8	187.5	2.738	23.10	73.8	S0312	.02200	8.7566	0.6	V
9036	21152.64	29 27N	73 54E	93.6	187.5	2.530	-38.50	72.5	S0312	.02200	7.8488	1.4	V
9037	21156.64	29 24N	73 55E	93.7	187.4	2.738	-37.80	72.5	S0312	.02200	7.7580	0.8	A
1099 5001	26038.84	58 4N	60 25E	81.6	192.4	1.690	-24.85	54.4	S0130	.02210	8.8647	0.8	F
5002	26044.84	58 4N	60 25E	81.1	192.2	1.826	-24.15	54.4	S0130	.02210	8.9555	0.6	A
9001	26038.64	58 5N	60 25E	81.7	192.4	1.690	-24.85	54.4	S0312	.03070	8.8639	1.2	F
9002	26044.64	58 4N	60 25E	81.1	192.2	1.826	-24.15	54.4	S0312	.03070	8.9547	0.8	A
9003	26049.84	57 19N	60 5E	81.5	192.1	1.826	-24.85	55.1	S0312	.03070	8.8721	0.8	F
9004	26052.64	57 19N	60 6E	80.3	192.0	1.826	-24.50	55.1	S0312	.03070	9.1362	0.8	V
9005	26079.04	55 16N	61 35E	87.7	191.5	1.826	30.45	57.3	S0312	.03070	8.3935	0.4	V
9006	26082.24	55 17N	61 35E	89.0	191.4	1.826	30.80	57.3	S0312	.03070	8.1459	0.4	A
9007	26084.64	55 7N	61 31E	89.0	191.4	1.826	30.80	57.4	S0312	.03070	8.1459	0.6	A
9008	26110.44	52 57N	60 31E	87.0	190.9	2.037	28.70	59.3	S0312	.03070	8.3770	0.4	F
9009	26111.64	52 52N	60 29E	87.0	190.9	2.037	28.70	59.4	S0312	.03070	8.3770	0.4	F
9010	26114.84	52 52N	60 28E	85.9	190.8	2.037	28.70	59.4	S0312	.03070	8.5503	0.2	V
9011	26118.84	52 38N	60 4E	80.7	190.8	2.037	22.05	59.5	S0312	.03070	9.1032	1.0	V
9012	26122.04	52 37N	60 3E	81.9	190.7	2.037	22.40	59.5	S0312	.03070	8.8474	0.4	A
9013	26137.64	51 8N	59 38E	83.7	190.5	2.181	24.85	60.8	S0312	.03070	8.7153	2.6	F
9014	26143.64	51 8N	59 38E	84.3	190.4	2.181	25.55	60.8	S0312	.03070	8.6081	2.6	A
9015	26178.84	48 25N	58 8E	76.4	189.9	2.390	10.85	62.9	S0312	.03070	9.5241	0.4	F
9016	26184.24	48 25N	58 8E	76.6	189.8	2.390	11.55	62.9	S0312	.03070	9.4464	0.4	A
9017	26309.84	39 34N	54 17E	85.9	188.5	2.390	-31.50	68.6	S0312	.03070	8.4182	0.4	F
9018	26313.44	39 31N	54 22E	82.5	188.4	2.390	-28.35	68.7	S0312	.01650	8.9052	1.0	V
9019	26316.64	39 30N	54 22E	83.2	188.4	2.390	-28.00	68.8	S0312	.01650	8.7484	0.8	A
9020	26448.24	29 60N	52 55E	75.4	187.5	3.092	-5.95	73.2	S0312	.03070	9.6314	1.6	F
9021	26453.64	29 60N	52 54E	75.5	187.5	3.092	-5.25	73.2	S0312	.03070	9.6067	1.6	A
1100 5001	31431.04	52 39N	36 29E	77.0	190.7	2.037	-16.80	59.2	S0130	.02210	9.4590	0.6	A
5002	31467.24	49 46N	37 25E	90.9	190.1	2.037	33.60	62.1	S0130	.02210	8.0806	0.4	V
5003	31477.04	49 4N	35 50E	74.3	190.0	2.390	-1.05	62.3	S0130	.02210	9.7809	0.6	F
5004	31487.44	48 52N	34 43E	84.2	189.8	2.181	-29.75	62.1	S0130	.02210	8.6501	0.4	A
5005	31506.64	47 19N	36 31E	91.4	189.6	2.037	33.25	64.1	S0130	.02210	7.9485	0.4	A
9001	31273.24	62 59N	40 41E	83.5	194.4	1.338	-26.25	49.9	S0312	.03070	8.6576	0.6	F
9002	31276.24	62 59N	40 40E	82.5	194.3	1.338	-26.25	49.9	S0312	.03070	8.8887	0.6	V
9003	31277.84	62 53N	40 37E	82.5	194.3	1.338	-26.25	50.0	S0312	.03070	8.8969	0.6	V
9004	31280.84	62 53N	40 36E	83.4	194.2	1.338	-26.25	50.0	S0312	.03070	8.7153	0.6	A
9005	31324.64	59 13N	39 8E	78.5	192.8	1.690	-18.55	53.4	S0312	.03070	9.2270	0.8	F
9006	31334.24	59 13N	39 9E	78.1	192.7	1.826	-17.85	53.4	S0312	.03070	9.3013	0.8	A
9007	31360.64	56 52N	39 42E	80.9	192.0	2.037	19.95	55.8	S0312	.03070	8.9959	0.6	F
9008	31362.64	56 44N	39 39E	80.8	192.0	2.037	19.95	55.9	S0312	.03070	9.0042	0.4	F
9009	31371.04	56 19N	38 10E	75.6	191.8	2.037	-10.85	56.0	S0312	.03070	9.5902	0.6	F
9010	31373.64	56 19N	38 11E	74.6	191.7	2.037	-10.50	56.0	S0312	.04070	9.8377	0.6	V
9011	31377.04	55 54N	38 5E	75.2	191.7	2.037	-8.75	56.4	S0312	.03070	9.6397	0.4	F
9012	31382.44	55 54N	38 4E	75.1	191.6	2.037	-8.40	56.4	S0312	.04070	9.6727	0.4	A
9013	31389.64	55 10N	38 22E	74.8	191.4	2.037	7.00	57.2	S0312	.04070	9.8295	0.4	V
9014	31392.24	55 10N	38 23E	75.7	191.4	2.037	7.35	57.2	S0312	.03070	9.5819	0.4	A
9015	31420.44	53 1N	36 7E	84.0	190.9	1.826	-29.05	58.7	S0312	.03070	8.5998	1.0	F
9016	31423.44	53 1N	36 7E	82.8	190.8	1.826	-28.70	58.7	S0312	.03070	8.8556	1.2	V
9017	31438.04	51 46N	36 17E	76.2	190.6	2.181	-14.35	59.9	S0312	.03070	9.5159	1.0	F
9018	31443.64	51 46N	36 17E	75.9	190.5	2.181	-13.65	59.9	S0312	.03070	9.5654	0.8	A
9019	31493.64	48 22N	35 1E	77.4	189.8	2.390	-18.20	62.6	S0312	.03070	9.4003	0.4	A
9020	31541.84	44 43N	33 36E	83.2	189.2	2.181	-28.35	65.3	S0312	.03070	8.6988	0.8	F
9021	31544.64	44 44N	33 36E	82.0	189.1	2.181	-28.00	65.3	S0312	.03070	8.9547	1.0	V
9022	31546.84	44 34N	33 33E	82.0	189.1	2.181	-28.00	65.4	S0312	.03070	8.9464	1.4	V
9023	31550.44	44 32N	33 32E	82.9	189.1	2.390	-28.00	65.4	S0312	.03070	8.7896	0.8	A
9024	31660.04	36 34N	32 0E	76.9	188.1	2.738	-15.05	70.6	S0312	.03070	9.4168	1.0	F
9025	31735.44	31 23N	30 59E	76.5	187.6	3.092	-10.15	72.8	S0312	.01650	9.4664	0.8	F
9026	31738.24	31 22N	30 59E	75.7	187.6	3.092	-9.80	72.8	S0312	.02200	9.6974	0.8	V
9027	31746.04	30 37N	31 8E	76.4	187.6	3.092	2.10	73.2	S0312	.01650	9.4994	0.8	F
9028	31748.84	30 36N	31 8E	75.7	187.6	3.092	2.45	73.2	S0312	.02200	9.6974	0.8	V
9029	31755.04	29 58N	31 9E	77.7	187.5	3.092	8.05	73.5	S0312	.03070	9.3508	1.0	F
9030	31760.64	29 58N	31 10E	78.2	187.5	2.881	9.45	73.5	S0312	.03070	9.2435	1.0	A

Handle via BYEMAN Channels BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1100 9031	31765.44	29 15N	31 2E	78.2	187.5	3.092	9.10	73.7	SO312	.01650	9.2931	0.8	F
9032	31771.04	29 15N	31 2E	78.7	187.4	2.881	10.50	73.7	SO312	.01650	9.1858	1.0	A
9033	32595.24	27 48S	21 37E	134.0	187.3	2.161	32.90	34.1	SO312	.03070	5.3564	0.8	F
9034	32605.04	27 48S	21 38E	136.1	187.4	1.826	33.95	34.2	SO312	.03070	5.1831	0.8	A
1101 9001	36707.64	54 13N	15 42E	74.8	191.2	2.181	2.10	58.0	SO312	.03070	9.7057	0.8	F
9002	36712.84	54 14N	15 43E	74.9	191.1	2.181	2.80	58.0	SO312	.03070	9.6974	1.0	A
9003	36722.64	53 28N	14 35E	77.2	190.9	2.037	-19.25	58.4	SO312	.04070	9.5159	0.6	V
9004	36725.64	53 28N	14 35E	77.9	190.9	2.037	-18.90	58.4	SO312	.04070	9.3261	0.6	A
9005	36730.44	52 46N	14 0E	82.7	190.8	1.826	-27.30	58.9	SO312	.03070	8.7649	0.4	F
9006	36733.04	52 48N	14 1E	81.4	190.8	1.826	-26.95	58.9	SO312	.03070	9.0290	0.6	V
9007	36738.84	52 23N	14 4E	78.6	190.7	2.037	-22.40	59.3	SO312	.03070	9.3426	1.0	V
9008	36744.64	51 56N	14 21E	74.5	190.6	2.181	-18.20	59.8	SO312	.03070	9.8543	0.6	V
9009	36747.44	51 56N	14 21E	75.3	190.5	2.181	-10.85	59.8	SO312	.03070	9.6479	0.4	A
9010	36754.04	51 23N	13 20E	84.9	190.4	1.826	-31.50	60.0	SO312	.03070	8.6658	0.8	V
9011	36757.24	51 23N	13 20E	85.4	190.4	2.037	-31.15	60.1	SO312	.03070	8.5255	0.8	A
9012	36765.44	50 41N	14 4E	74.6	190.2	2.390	-6.65	60.9	SO312	.03070	9.7387	0.8	A
9013	36770.04	49 59N	14 4E	74.4	190.2	2.390	0.00	61.5	SO312	.03070	9.7635	0.4	F
9014	36772.64	49 59N	14 4E	73.5	190.1	2.390	0.35	61.5	SO312	.03070	9.9946	0.6	V
9015	36779.64	49 46N	13 23E	76.9	190.0	2.390	-17.50	61.5	SO312	.03070	9.4499	0.8	A
9016	36830.64	45 41N	13 47E	88.8	189.4	2.181	30.45	65.3	SO312	.03070	8.2284	1.4	F
9017	36834.04	45 40N	13 46E	87.8	189.3	2.181	30.45	65.3	SO312	.03070	8.3852	1.0	V
9018	36962.24	36 50N	10 19E	75.1	188.2	2.881	-2.10	70.7	SO312	.04070	9.6727	0.6	F
9019	36967.64	36 50N	10 19E	75.2	188.1	2.881	-1.05	70.7	SO312	.04070	9.6479	0.6	A
1102 9001	42607.64	13 28N	16 34W	81.8	186.7	3.439	-4.55	69.0	SO312	.03070	8.8639	0.6	F
9002	42610.44	13 28N	16 35W	80.8	186.7	3.439	-4.20	69.0	SO312	.03070	9.0537	0.6	V
1103 9001	48426.84	21 45S	45 15W	105.0	187.0	3.439	-12.95	39.2	SO312	.03070	6.8089	1.4	F
9002	48434.44	22 2S	45 2W	102.8	187.0	3.232	-3.50	39.0	SO312	.03070	7.0152	1.4	V
9003	48441.04	22 44S	45 11W	104.5	187.0	3.232	-4.90	38.3	SO312	.03070	6.8337	1.4	F
9004	48448.24	23 11S	45 51W	110.5	187.1	3.232	-21.35	37.7	SO312	.03070	6.4458	1.4	F
9005	48452.24	23 11S	45 51W	109.4	187.1	3.439	-21.35	37.7	SO312	.03070	6.5943	1.4	V
9006	48456.84	23 13S	45 51W	110.6	187.1	3.439	-20.65	37.7	SO312	.03070	6.4458	0.6	A
9007	48463.64	23 30S	46 49W	134.9	187.1	3.232	-40.95	37.0	SO312	.03070	5.3151	0.6	A
1104 9001	53573.44	10 57S	66 4W	113.6	186.6	3.232	-35.35	48.7	SO312	.02200	6.2807	1.6	F
9002	53583.84	11 5S	66 9W	115.0	186.6	3.439	-36.05	48.6	SO312	.02200	6.2477	1.4	A
9003	53606.04	11 11S	66 21W	110.8	186.7	3.232	-31.50	46.8	SO312	.03070	6.4375	1.4	F
9004	53613.64	13 43S	66 7W	103.4	186.7	3.439	-22.40	46.5	SO312	.03070	6.9162	1.4	F
9005	53626.04	14 43S	64 57W	108.5	186.7	2.881	21.70	46.2	SO312	.04070	6.6356	1.0	F
9006	53630.04	14 44S	64 57W	107.9	186.7	2.881	22.05	46.2	SO312	.04070	6.7181	1.0	V
9007	53637.44	14 55S	65 37W	99.4	186.7	3.439	2.10	45.7	SO312	.03070	7.1638	1.4	A
9008	53643.84	15 22S	65 29W	101.8	186.8	3.232	9.45	45.4	SO312	.03070	6.9822	0.6	A
9009	53978.64	38 7S	71 24W	122.4	188.3	2.881	-21.00	23.4	SO312	.03070	5.8515	1.0	V
9010	53985.64	38 54S	71 18W	120.3	188.3	2.881	-15.05	22.8	SO312	.03070	5.8846	1.4	F
1107 9001	68637.84	47 12N	119 19W	73.6	189.6	2.390	3.85	63.8	SO312	.03070	9.9946	0.6	V
9002	68780.64	37 24N	121 51W	75.5	188.2	2.738	8.75	70.6	SO312	.02200	9.7222	2.8	V
1112 9001	8802.84	45 47N	130 34E	87.8	189.3	2.037	29.75	65.2	SO312	.03070	8.2367	0.8	A
9002	8815.44	44 34N	129 44E	78.6	189.2	2.530	16.45	66.0	SO312	.03070	9.2683	0.8	F
9003	8820.24	44 38N	129 34E	76.5	189.1	2.530	11.55	65.8	SO312	.02200	9.4829	0.4	A
9004	9542.44	5 13S	119 52E	101.6	186.5	2.738	24.15	54.8	SO312	.03070	7.1473	0.6	V
9005	9546.24	5 13S	119 52E	103.4	186.5	2.738	24.50	54.8	SO312	.02200	6.8914	0.6	A
1113 9001	14227.24	37 25N	106 7E	87.9	188.2	2.530	29.40	70.9	SO312	.03070	8.3109	1.0	F
9002	14233.64	37 25N	106 7E	88.5	188.2	2.390	30.10	71.0	SO312	.02200	8.1624	0.8	A
1114 9001	19020.64	72 2N	102 33E	84.4	202.0	1.135	21.35	41.4	SO312	.03070	8.5915	1.4	F
9002	19026.63	72 2N	102 34E	84.6	201.5	0.995	22.05	41.4	SO312	.03070	8.5750	1.6	A
9003	19260.44	56 7N	90 29E	90.9	191.8	1.826	32.55	56.5	SO312	.02200	8.0221	0.6	F
9004	19263.64	56 7N	90 29E	90.3	191.7	1.826	32.90	56.5	SO312	.02200	8.1624	0.6	V
9005	19269.83	55 35N	89 32E	79.8	191.6	2.037	18.55	56.9	SO312	.03070	9.1115	0.4	F
9006	19272.63	55 35N	89 32E	79.1	191.6	2.037	18.90	56.9	SO312	.03070	9.2931	0.4	V
9007	19274.44	55 28N	89 29E	79.0	191.5	2.037	18.90	57.0	SO312	.03070	9.3013	0.4	V
9008	19278.64	55 9N	89 39E	83.4	191.4	1.826	25.90	57.3	SO312	.03070	8.8226	0.8	V
9009	19281.84	55 8N	89 38E	84.4	191.4	1.826	25.90	57.4	SO312	.03070	8.5998	0.6	A
9010	19283.23	55 2N	89 36E	84.4	191.3	1.826	25.90	57.4	SO312	.03070	8.5915	0.4	A
9011	19300.04	53 44N	86 45E	85.8	191.0	1.690	-31.15	58.1	SO312	.03070	8.4347	0.8	F
9012	19306.04	53 45N	86 45E	85.2	190.9	2.037	-30.80	58.1	SO312	.03070	8.5503	1.0	A
9013	19436.43	44 43N	84 47E	74.5	189.1	2.530	-7.00	65.6	SO312	.02200	9.7470	0.4	A
9014	19547.04	36 45N	82 53E	73.8	188.1	2.881	-2.45	70.7	SO312	.03070	9.8377	0.4	F
9015	19552.23	36 45N	82 53E	73.9	188.1	2.881	-1.40	70.7	SO312	.03070	9.8130	0.6	A
9016	19697.23	26 26N	80 25E	77.7	187.3	3.232	-11.20	73.4	SO312	.03070	9.3178	0.8	F
9017	19702.83	26 26N	80 25E	77.8	187.3	3.232	-10.50	73.4	SO312	.03070	9.3261	0.8	A
9018	19832.44	17 20N	78 30E	81.2	186.8	3.232	-17.15	70.9	SO312	.03070	9.0124	0.4	V
9019	19835.43	17 20N	78 30E	82.1	186.8	3.439	-16.80	70.9	SO312	.03070	8.8226	0.4	A
9020	19960.03	8 34N	76 53E	86.2	186.6	3.439	-18.90	65.4	SO312	.03070	8.4760	0.8	V
9021	19963.23	8 34N	76 52E	87.2	186.6	3.439	-18.55	65.4	SO312	.03070	8.2779	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1115	9001	24583.83	55 33N	65 17E	85.4	191.5	1.690	-31.50	56.5	SO312	.03070	8.5998	0.4	V
	9002	24586.83	55 33N	65 17E	86.0	191.4	1.690	-31.15	56.5	SO312	.03070	8.4512	0.4	A
	9003	24842.43	37 39N	61 54E	86.5	188.2	2.390	28.35	70.8	SO312	.02200	8.4925	0.8	V
	9004	24845.63	37 39N	61 54E	87.9	188.2	2.390	28.70	70.8	SO312	.02200	8.2202	0.8	A
1116	5001	29918.23	53 8N	45 2E	92.6	191.0	2.037	33.95	59.2	SO130	.02210	7.8742	0.6	F
	5002	29929.03	52 54N	44 15E	80.9	190.8	2.037	20.65	59.3	SO130	.02210	8.9803	0.6	A
	5003	29948.83	51 7N	43 50E	84.5	190.5	2.181	25.90	60.8	SO130	.02210	8.8336	0.6	F
	5004	29961.83	50 49N	42 4E	77.4	190.3	2.181	-18.20	60.7	SO130	.02210	9.4095	0.4	A
	5005	29972.03	50 8N	41 40E	79.4	190.1	2.181	-22.75	61.2	SO130	.02210	9.1784	0.6	A
	5006	29986.83	48 39N	42 8E	74.7	189.9	2.530	3.50	62.6	SO130	.02210	9.7231	3.6	F
	5007	30004.23	47 11N	43 20E	106.7	189.7	2.037	43.05	64.3	SO130	.01660	6.8590	0.8	F
	5008	30019.83	46 53N	40 38E	80.0	189.5	2.390	-24.15	63.7	SO130	.02210	9.1041	0.4	A
	5009	30025.03	46 29N	40 46E	76.8	189.4	2.530	-17.15	64.1	SO130	.02210	9.4755	0.6	A
	5010	30034.83	45 42N	41 43E	80.5	189.3	2.390	19.60	65.1	SO130	.02210	9.0298	0.6	A
	9001	29805.03	61 1N	46 53E	75.5	193.6	1.690	-6.30	51.9	SO312	.04070	9.5984	0.8	F
	9002	29810.43	61 1N	46 53E	75.5	193.4	1.690	-5.95	51.9	SO312	.04070	9.6232	0.8	A
	9003	29843.63	58 25N	45 33E	75.2	192.5	1.826	-6.65	54.2	SO312	.04070	9.6397	0.6	F
	9004	29848.83	58 26N	45 33E	75.1	192.4	1.826	-6.30	54.2	SO312	.04070	9.6644	0.8	A
	9005	29875.43	56 17N	44 25E	75.7	191.8	2.037	-10.85	56.1	SO312	.03070	9.5819	0.4	F
	9006	29878.43	56 15N	44 27E	74.6	191.7	2.037	-9.80	56.1	SO312	.04070	9.8460	0.6	V
	9007	29883.63	55 45N	43 54E	77.7	191.6	1.826	-17.85	56.5	SO312	.03070	9.3096	1.4	F
	9008	29889.23	55 45N	43 53E	77.6	191.5	2.037	-17.85	56.5	SO312	.03070	9.3673	1.0	A
	9009	29902.63	54 13N	45 16E	88.2	191.2	2.037	29.75	58.2	SO312	.03070	8.2614	1.0	F
	9010	29908.83	54 14N	45 11E	87.2	191.1	1.826	29.05	58.2	SO312	.03070	8.3192	0.8	A
	9011	30103.43	41 3N	39 45E	74.7	188.6	2.738	-1.05	68.2	SO312	.04070	9.7140	1.4	A
	9012	30205.63	33 44N	37 14E	83.3	187.8	2.530	-28.00	71.6	SO312	.01650	8.0576	1.4	F
	9013	30211.63	33 44N	37 13E	83.1	187.8	2.738	-27.65	71.6	SO312	.01650	8.7484	1.4	A
	9014	31074.43	25 47S	27 57E	121.9	187.2	2.390	26.95	35.9	SO312	.03070	5.9011	0.8	V
	9015	31079.03	25 47S	27 57E	124.4	187.2	2.181	27.65	36.0	SO312	.03070	5.6782	0.8	A
	9016	31083.83	26 7S	28 14E	135.3	187.3	1.826	35.00	35.8	SO312	.02200	5.2161	0.8	A
1117	9001	35135.23	59 28N	24 42E	75.9	192.9	1.826	10.15	53.4	SO312	.04070	9.6809	0.6	V
	9002	35138.03	59 28N	24 42E	76.9	192.8	1.826	10.50	53.4	SO312	.04070	9.4416	0.6	A
	9003	35139.83	59 21N	24 38E	76.8	192.8	1.826	10.50	53.5	SO312	.04070	9.4416	1.0	A
	9004	35147.23	58 26N	24 29E	79.3	192.6	2.037	16.80	54.3	SO312	.03070	9.1610	0.8	F
	9005	35152.83	58 27N	24 29E	79.5	192.4	1.826	17.50	54.3	SO312	.03070	9.1197	0.8	A
	9006	35170.03	56 58N	23 15E	75.3	192.0	2.037	4.55	55.6	SO312	.04070	9.6479	0.8	F
	9007	35172.83	56 58N	23 14E	74.5	192.0	2.037	4.90	55.6	SO312	.04070	9.8625	0.8	V
	9008	35182.43	56 26N	21 54E	78.5	191.8	1.826	-21.70	55.9	SO312	.03070	9.3343	0.6	V
	9009	35185.43	56 25N	21 54E	79.3	191.7	2.037	-21.70	55.9	SO312	.03070	9.1610	0.6	A
	9010	35192.43	55 35N	21 19E	82.9	191.6	1.826	-27.30	56.5	SO312	.03070	8.7153	0.4	F
	9011	35195.43	55 34N	21 18E	81.9	191.5	1.826	-27.30	56.5	SO312	.03070	8.9464	0.4	V
	9012	35202.43	54 55N	20 35E	91.0	191.4	1.484	-36.05	57.0	SO312	.03070	7.9561	1.0	F
	9013	35205.63	54 55N	20 36E	89.3	191.3	1.690	-35.70	57.0	SO312	.03070	8.2119	1.0	V
	9014	35210.23	54 36N	20 37E	86.8	191.2	1.690	-33.25	57.3	SO312	.03070	8.4512	1.0	V
	9015	35213.43	54 36N	20 37E	87.5	191.2	1.690	-32.90	57.3	SO312	.03070	8.3192	1.0	A
	9016	35218.63	53 48N	20 29E	85.2	191.1	1.690	-30.45	58.0	SO312	.03070	8.4843	0.8	F
	9017	35221.63	53 48N	20 29E	83.9	191.0	1.690	-30.10	58.0	SO312	.03070	8.7401	0.6	V
	9018	35225.03	53 47N	20 28E	84.9	190.9	1.690	-30.10	58.0	SO312	.03070	8.5668	0.4	A
	9019	35231.43	52 54N	20 39E	78.1	190.8	2.037	-19.60	58.9	SO312	.03070	9.2600	0.4	F
	9020	35234.03	52 54N	20 39E	77.1	190.8	2.037	-19.25	58.9	SO312	.03070	9.5241	0.6	V
	9021	35240.43	52 14N	20 60E	74.4	190.7	2.181	-3.85	59.6	SO312	.03070	9.7470	1.4	F
	9022	35246.23	52 12N	20 59E	74.4	190.6	2.181	-3.15	59.6	SO312	.03070	9.7552	1.0	A
	9023	35258.63	50 57N	20 52E	74.9	190.4	2.390	5.25	60.8	SO312	.03070	9.6474	0.6	F
	9024	35265.03	50 54N	20 37E	74.4	190.3	2.390	-0.70	60.7	SO312	.03070	9.7552	0.6	A
	9025	35275.63	50 21N	19 12E	86.5	190.1	2.037	-32.55	60.9	SO312	.03070	8.4017	1.6	A
	9026	35279.63	49 51N	19 4E	85.3	190.1	2.037	-32.55	61.3	SO312	.03070	8.5915	1.0	V
	9027	35282.83	49 51N	19 3E	86.3	190.0	2.037	-32.55	61.3	SO312	.03070	8.4182	0.8	A
	9028	35287.83	49 5N	18 55E	84.9	190.0	1.826	-30.80	61.9	SO312	.03070	8.5255	0.6	F
	9029	35290.83	49 5N	18 55E	83.5	189.9	2.037	-30.45	61.9	SO312	.03070	8.7814	0.6	V
	9030	35297.23	48 35N	19 23E	75.0	189.8	2.390	-14.70	62.5	SO312	.03070	9.7882	0.6	V
	9031	35300.03	48 34N	19 22E	75.8	189.8	2.390	-14.35	62.5	SO312	.03070	9.5819	0.6	A
	9032	35306.83	47 46N	18 44E	81.0	189.7	2.181	-25.55	63.0	SO312	.03070	8.9382	0.4	F
	9033	35309.63	47 46N	18 44E	79.9	189.7	2.181	-25.20	63.0	SO312	.03070	9.2023	0.4	V
	9034	35313.83	47 29N	18 43E	78.8	189.6	2.181	-23.45	63.3	SO312	.03070	9.3178	0.6	V
	9035	35316.83	47 28N	18 43E	79.5	189.6	2.390	-23.10	63.3	SO312	.03070	9.1445	0.4	A
	9036	35329.03	46 35N	18 52E	75.2	189.4	2.530	-11.55	64.1	SO312	.03070	9.6479	0.6	A
	9037	35334.63	46 4N	18 14E	80.1	189.4	2.181	-25.55	64.3	SO312	.03070	9.1775	0.6	V
	9038	35337.43	46 4N	18 14E	80.7	189.3	2.390	-25.20	64.3	SO312	.03070	9.0124	0.6	A
	9039	35403.23	41 10N	16 53E	82.4	188.7	2.390	-27.30	67.7	SO312	.03070	8.7731	1.0	F
	9040	35619.23	26 34N	13 11E	97.1	187.3	2.530	-40.60	72.6	SO312	.01650	7.5269	0.4	V
	9041	35622.83	26 34N	13 10E	98.1	187.3	2.738	-40.60	72.6	SO312	.01650	7.4114	0.4	A
1119	9001	46694.63	5 54S	35 15W	97.4	186.5	3.232	15.75	54.1	SO312	.03070	7.4196	0.4	F
	9002	46701.83	5 54S	35 15W	98.4	186.6	3.092	16.80	54.1	SO312	.03070	7.2463	0.4	A
1120	9001	51833.03	5 53N	55 8W	95.4	186.5	2.738	23.80	64.2	SO312	.02200	7.4939	1.4	A
	9002	52401.23	33 20S	62 34W	116.9	187.8	2.738	12.25	28.5	SO312	.03070	6.0991	0.8	F
	9003	52405.43	33 36S	62 44W	115.7	187.8	2.738	9.45	28.2	SO312	.04070	6.1569	1.0	F
	9004	52410.63	33 58S	62 43W	117.1	187.8	2.738	11.55	27.9	SO312	.03070	6.0826	0.6	F
	9005	52416.83	34 29S	62 6W	131.8	187.9	2.181	27.65	27.7	SO312	.03070	5.3976	1.4	F
	9006	52421.63	34 28S	62 20W	125.5	187.9	2.181	23.45	27.6	SO312	.03070	5.7030	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1120 9007	52426.23	35 5S	62 31W	125.5	187.9	2.390	21.70	27.0	SO312	.03070	5.6782	1.4	F
9008	52431.63	34 48S	62 40W	122.8	187.9	2.390	18.20	27.2	SO312	.03070	5.7278	1.4	A
1121 9001	57286.43	4 26S	78 25W	121.1	186.5	2.037	36.85	55.8	SO312	.02200	5.8681	1.0	A
1122 9001	61822.63	48 2N	90 60W	73.4	189.7	2.390	-5.95	63.0	SO312	.03070	10.0028	0.6	V
9002	61952.23	39 16N	94 29W	90.6	188.4	2.181	-37.45	68.7	SO312	.02200	8.0799	3.0	V
9003	61979.63	37 5N	93 52W	74.6	188.2	2.881	-3.15	70.5	SO312	.02200	9.7222	0.6	F
9004	61984.83	37 5N	93 52W	74.7	188.1	2.881	-2.10	70.5	SO312	.02200	9.7140	0.8	A
9005	62222.83	20 33N	97 26W	77.9	186.9	3.232	-6.65	72.4	SO312	.03070	9.4003	0.6	V
9006	62225.83	20 32N	97 27W	78.9	186.9	3.439	-6.65	72.4	SO312	.03070	9.1693	0.6	A
9007	62283.23	16 23N	98 5W	79.3	186.8	3.439	-1.05	70.7	SO312	.03070	9.2270	0.4	V
9008	62286.23	16 22N	98 5W	80.4	186.8	3.439	-0.35	70.7	SO312	.03070	8.9794	0.4	A
1127 9001	1792.63	58 59N	163 46E	78.9	192.7	1.826	17.50	53.8	SO312	.04070	9.3261	0.4	V
9002	1795.43	58 59N	163 46E	79.9	192.6	1.826	17.85	53.8	SO312	.04070	9.0785	0.4	A
9003	1798.83	58 33N	163 34E	79.2	192.6	1.826	18.20	54.2	SO312	.04070	9.2931	0.4	V
9004	1801.63	58 34N	163 35E	80.2	192.5	1.826	18.55	54.2	SO312	.04070	9.0455	0.4	A
9005	1815.83	57 21N	161 53E	75.3	192.2	1.826	-7.70	55.1	SO312	.03070	9.6232	0.8	F
9006	1821.23	57 21N	161 52E	75.3	192.0	2.037	-7.70	55.1	SO312	.03070	9.8562	0.8	A
9007	1826.23	56 52N	161 18E	76.2	191.9	1.826	-16.10	55.5	SO312	.04070	9.6314	0.4	V
9008	1829.03	56 52N	161 19E	77.0	191.9	1.826	-15.75	55.5	SO312	.03070	9.4416	0.4	A
9009	1834.63	56 19N	160 52E	78.3	191.7	1.826	-21.00	55.9	SO312	.03070	9.3756	0.4	V
9010	1837.43	56 20N	160 51E	79.2	191.7	1.826	-21.00	55.9	SO312	.03070	9.1775	0.6	A
1128 9001	7224.83	50 33N	137 2E	75.0	190.3	2.390	-10.15	60.9	SO312	.04070	9.6644	0.6	F
9002	7230.23	50 33N	137 2E	74.9	190.2	2.390	-9.45	60.9	SO312	.04070	9.7057	0.4	A
9003	7235.83	50 2N	136 27E	77.6	190.1	2.181	-21.00	61.3	SO312	.03070	9.4499	0.4	V
9004	7238.63	50 2N	136 27E	78.4	190.1	2.181	-20.65	61.3	SO312	.03070	9.2765	0.4	A
9005	7254.23	48 56N	136 21E	75.9	189.9	2.390	-14.00	62.2	SO312	.03070	9.5902	0.4	A
1129 9001	12508.03	52 18N	116 47E	81.5	190.7	2.181	23.45	59.8	SO312	.02200	9.0290	0.4	V
9002	12511.03	52 18N	116 47E	82.7	190.6	2.181	23.80	59.8	SO312	.02200	8.7649	0.4	A
9003	12523.03	51 6N	116 15E	80.8	190.4	2.390	21.00	60.8	SO312	.03070	9.0207	0.4	F
9004	12524.63	50 59N	116 12E	80.8	190.4	2.390	21.00	60.9	SO312	.03070	9.0042	0.4	F
9005	12526.83	50 50N	116 9E	80.9	190.4	2.390	21.00	61.0	SO312	.03070	9.0042	0.4	F
9006	12529.63	50 51N	116 8E	79.8	190.3	2.181	21.00	61.0	SO312	.03070	9.2188	1.4	V
9007	12533.43	50 47N	116 6E	80.9	190.3	2.181	21.35	61.0	SO312	.03070	8.9629	0.4	A
9008	12534.63	50 42N	116 5E	80.9	190.3	2.181	21.35	61.1	SO312	.03070	8.9629	0.4	A
9009	12535.63	50 38N	116 3E	80.9	190.2	2.181	21.35	61.2	SO312	.03070	8.9629	1.8	A
9010	12567.23	48 10N	114 39E	74.6	189.8	2.530	5.25	63.0	SO312	.03070	9.7470	0.8	F
9011	12572.63	48 10N	114 40E	74.8	189.7	2.390	6.30	63.0	SO312	.03070	9.6974	0.8	A
9012	12676.23	40 46N	112 0E	74.9	188.6	2.738	-12.25	68.2	SO312	.03070	9.6892	0.6	F
9013	12681.43	40 47N	112 0E	74.8	188.6	2.738	-11.55	68.2	SO312	.03070	9.7222	0.8	A
9014	12859.03	28 29N	110 24E	92.5	187.4	2.390	31.50	74.3	SO312	.02200	7.7993	0.8	A
9015	12906.83	24 45N	109 32E	89.7	187.2	2.738	27.65	74.2	SO312	.02200	8.1294	0.4	F
9016	12909.83	24 46N	109 32E	89.2	187.2	2.530	28.35	74.2	SO312	.02200	8.2367	0.6	V
9017	12915.83	24 36N	109 18E	85.7	187.2	2.738	22.40	74.0	SO312	.03070	8.4182	0.4	A
9018	12921.63	23 58N	109 16E	86.5	187.1	2.738	24.85	74.0	SO312	.03070	8.4843	0.4	V
9019	12925.03	23 57N	109 16E	87.9	187.1	2.738	25.20	74.0	SO312	.02200	8.2037	0.4	A
1130 9001	17688.63	60 50N	97 27E	75.4	193.5	1.690	-3.15	52.0	SO312	.04070	9.6149	0.6	F
9002	17694.03	60 50N	97 27E	75.3	193.3	1.690	-2.45	52.0	SO312	.04070	9.6397	0.6	A
9003	17755.23	56 17N	95 40E	75.6	191.8	2.037	7.00	56.2	SO312	.03070	9.6067	0.6	F
9004	17760.63	56 17N	95 40E	75.8	191.7	2.037	7.70	56.2	SO312	.03070	9.5737	0.6	A
9005	17983.03	40 49N	89 49E	75.8	188.6	2.530	-15.05	68.1	SO312	.02200	9.5571	1.0	F
9006	17988.43	40 50N	89 49E	75.6	188.6	2.738	-14.35	68.1	SO312	.02200	9.6149	1.2	A
9007	18246.03	22 41N	86 21E	78.5	187.1	3.232	4.20	73.3	SO312	.03070	9.2600	0.6	F
9008	18251.63	22 41N	86 22E	78.9	187.0	3.232	5.25	73.3	SO312	.03070	9.1693	0.6	A
1131 9001	22989.03	61 8N	76 33E	80.4	193.7	1.826	18.20	51.9	SO312	.03070	9.0537	0.4	F
9002	22992.43	61 5N	76 38E	80.8	193.6	1.826	20.65	51.9	SO312	.03070	9.1032	0.4	V
9003	22996.63	61 2N	76 24E	79.8	193.4	1.826	17.15	52.0	SO312	.03070	9.0950	0.4	A
9004	23261.63	42 49N	67 26E	90.5	188.9	2.037	-36.40	66.4	SO312	.02200	7.9808	1.0	F
9005	23264.83	42 49N	67 27E	89.1	188.9	2.037	-36.05	66.4	SO312	.02200	8.2367	1.0	V
9006	23282.43	41 21N	69 20E	89.2	188.7	2.390	31.85	68.5	SO312	.03070	8.2284	1.0	V
9007	23286.03	41 20N	69 20E	90.8	188.7	2.181	32.55	68.5	SO312	.02200	7.9726	0.8	A
9008	23307.63	39 39N	66 51E	85.8	188.5	2.181	-31.85	68.5	SO312	.02200	8.4182	0.8	F
9009	23312.43	39 43N	67 2E	81.6	188.4	2.390	-26.60	68.6	SO312	.03070	8.9217	0.6	A
9010	23315.23	39 19N	66 58E	80.0	188.4	2.390	-26.25	68.9	SO312	.03070	9.1858	0.6	V
9011	23335.23	37 39N	67 32E	75.6	188.2	2.881	6.30	70.4	SO312	.02200	9.6149	0.8	F
9012	23340.63	37 39N	67 32E	75.8	188.2	2.881	7.00	70.4	SO312	.02200	9.5654	0.8	A
9013	23354.03	36 44N	67 13E	75.3	188.1	2.881	3.85	70.8	SO312	.02200	9.6314	1.0	A
1132 5001	28409.43	53 33N	49 52E	74.5	191.0	2.181	-4.55	58.5	SO130	.02210	9.7397	0.6	F
5002	28446.23	51 37N	47 40E	94.1	190.4	1.826	-39.20	59.7	SO130	.02210	7.7669	0.4	A
5003	28456.03	50 43N	47 20E	94.5	190.3	1.690	-40.25	60.4	SO130	.02210	7.7587	0.4	V
5004	28469.03	49 54N	48 17E	75.5	190.1	2.390	-12.25	61.4	SO130	.02210	9.6406	0.6	A
5005	28492.43	47 54N	47 54E	74.4	189.7	2.530	-5.25	63.1	SO130	.04000	9.7644	0.8	F
5006	28497.83	47 54N	47 54E	74.4	189.7	2.530	-4.55	63.1	SO130	.12840	9.7644	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1132 9001	28257.83	64 11N	54 51E	76.7	194.9	1.484	-10.50	48.9	S0312	.04070	9.4746	0.4	A
9002	28265.03	63 36N	53 41E	81.7	194.6	1.338	-24.85	49.4	S0312	.04070	8.9877	0.6	V
9003	28267.83	63 36N	53 42E	82.4	194.5	1.338	-24.50	49.4	S0312	.03070	8.8226	1.2	A
9004	28337.43	58 19N	52 47E	78.7	192.5	2.037	15.75	54.4	S0312	.03070	9.2353	0.8	F
9005	28343.03	58 20N	52 47E	78.9	192.4	1.826	16.45	54.4	S0312	.03070	9.1940	0.8	A
9006	28348.83	57 53N	53 17E	88.8	192.3	1.690	30.45	54.9	S0312	.03070	8.1624	0.6	A
9007	28365.83	56 32N	52 31E	85.7	191.9	1.826	28.35	56.1	S0312	.03070	8.5833	0.6	V
9008	28375.03	56 14N	51 6E	74.7	191.7	2.037	-0.35	56.2	S0312	.04070	9.7140	0.6	A
9009	28409.23	53 34N	49 53E	74.5	191.0	2.181	-4.55	58.5	S0312	.03070	9.7387	0.6	F
9010	28415.63	53 15N	50 19E	75.6	190.9	2.181	10.85	58.9	S0312	.03070	9.7222	0.6	V
9011	28418.43	53 15N	50 19E	76.6	190.9	2.181	11.20	58.9	S0312	.03070	9.4746	0.6	A
9012	28422.03	52 60N	50 16E	77.0	190.8	2.181	12.60	59.1	S0312	.03070	9.4251	0.6	A
9013	28435.63	51 50N	48 34E	79.4	190.6	2.037	-22.40	59.8	S0312	.03070	9.1115	0.6	F
9014	28438.43	51 50N	48 34E	78.3	190.5	2.037	-22.05	59.8	S0312	.03070	9.3756	0.6	V
9015	28492.43	47 54U	47 54E	74.4	189.7	2.530	-5.25	63.1	S0312	.07180	9.7635	0.6	F
9016	28497.83	47 54N	47 54E	74.4	189.7	2.530	-4.55	63.1	S0312	.29610	9.7635	0.6	A
9017	28584.03	41 42N	45 4E	89.9	188.7	2.037	-36.05	67.2	S0312	.03070	8.0386	0.6	F
9018	28587.43	41 41N	45 8E	87.0	188.7	2.037	-34.30	67.2	S0312	.03070	8.4430	0.8	V
9019	28590.63	41 41N	45 8E	87.7	188.7	2.390	-34.30	67.2	S0312	.03070	8.3109	0.8	A
9020	28603.83	40 47N	44 53E	88.1	188.6	2.390	-35.00	67.8	S0312	.03070	8.2614	0.6	A
9021	28621.83	39 13N	45 24E	73.7	188.4	2.738	-7.70	69.2	S0312	.03070	9.9698	0.6	V
9022	28633.23	38 6N	46 18E	88.8	188.3	2.530	30.10	70.5	S0312	.03070	8.2202	1.0	F
9023	28639.63	38 6N	46 18E	89.6	188.3	2.181	31.15	70.6	S0312	.02200	8.0799	1.0	A
9024	28661.03	36 14N	45 34E	82.4	188.1	2.738	22.40	71.4	S0312	.03070	8.8474	0.6	F
9025	28663.83	36 15N	45 33E	81.6	188.1	2.530	22.75	71.4	S0312	.03070	9.0207	0.8	V
9026	28673.43	35 31N	44 24E	76.0	188.0	2.881	-12.60	71.1	S0312	.03070	9.5324	1.0	F
9027	28678.83	35 31N	44 24E	75.9	188.0	2.881	-11.55	71.2	S0312	.03070	9.5654	1.0	A
9028	28698.23	33 57N	44 22E	74.6	187.8	2.881	-0.35	72.0	S0312	.02200	9.8460	0.6	V
9029	28704.23	33 22N	44 12E	75.4	187.8	3.092	-2.10	72.2	S0312	.03070	9.6232	1.4	F
9030	28709.83	33 21N	44 12E	75.6	187.8	3.092	-1.05	72.3	S0312	.03070	9.5902	1.2	A
9031	28984.83	14 6N	39 35E	92.1	186.7	3.092	-32.55	68.7	S0312	.02200	7.8240	1.0	F
9032	28991.43	14 6N	39 35E	91.3	186.7	3.232	-31.50	68.8	S0312	.02200	7.9313	1.0	A
9033	29057.63	9 5N	38 46E	91.8	186.6	3.232	-29.40	65.5	S0312	.03070	7.8323	1.8	F
9034	29064.23	9 5N	38 46E	91.4	186.6	3.449	-28.70	65.6	S0312	.03070	7.9231	1.8	A
9035	29471.43	18 57S	33 24E	117.1	186.9	3.232	-33.60	41.4	S0312	.03070	6.1652	1.2	V
9036	29475.83	18 57S	33 23E	118.6	186.9	3.439	-33.60	41.4	S0312	.03070	6.0414	1.2	A
1133 5001	33763.83	50 45N	25 30E	89.4	190.2	2.037	-35.70	60.5	S0130	.02210	8.1384	0.4	A
5002	33779.03	49 20N	26 36E	74.0	190.0	2.390	5.25	62.1	S0130	.02210	9.9460	0.4	V
9001	33501.43	68 2N	34 25E	86.5	197.6	0.995	-28.70	45.2	S0312	.04070	8.3687	1.0	F
9002	33507.63	68 2N	34 26E	86.0	197.3	1.135	-28.35	45.2	S0312	.04070	8.4430	1.0	A
9003	33513.23	67 29N	33 36E	89.4	197.0	0.995	-33.25	45.7	S0312	.03070	8.2037	0.8	V
9004	33516.43	67 30N	33 37E	90.1	196.8	0.995	-32.90	45.7	S0312	.03070	8.0716	0.8	A
9005	33609.83	60 44N	30 8E	80.8	193.4	1.484	-22.75	52.0	S0312	.03070	8.9464	0.6	F
9006	33612.83	60 44N	30 8E	79.7	193.3	1.690	-22.75	52.0	S0312	.04070	9.2105	0.6	V
9007	33617.43	60 14N	29 44E	82.5	193.2	1.484	-25.55	52.4	S0312	.03070	8.7649	0.4	F
9008	33620.23	60 15N	29 45E	81.2	193.1	1.484	-25.20	52.4	S0312	.03070	9.0290	0.6	V
9009	33624.43	59 58N	29 33E	81.9	193.0	1.484	-26.25	52.7	S0312	.03070	8.9547	0.6	V
9010	33627.43	59 58N	29 32E	82.9	192.9	1.690	-26.60	52.7	S0312	.03070	8.7731	0.6	A
9011	33632.83	59 25N	29 4E	84.9	192.8	1.484	-30.45	53.1	S0312	.03070	8.6246	0.6	V
9012	33636.03	59 25N	29 3E	85.7	192.7	1.690	-30.45	53.1	S0312	.03070	8.4843	0.4	A
9013	33643.43	58 47N	29 50E	75.3	192.5	1.826	-8.05	53.9	S0312	.04070	9.6397	0.6	A
9014	33652.43	57 46N	29 43E	74.9	192.3	2.037	-0.35	54.8	S0312	.04070	9.6974	0.6	F
9015	33660.23	57 20N	28 26E	81.8	192.1	1.690	-25.20	55.0	S0312	.03070	8.8556	0.6	F
9016	33663.03	57 21N	28 26E	80.5	192.1	1.690	-24.85	55.0	S0312	.03070	9.1197	1.0	V
9017	33666.23	57 20N	28 26E	81.2	192.0	1.690	-24.50	55.0	S0312	.03070	8.9629	0.8	A
9018	33684.63	55 46N	28 36E	74.7	191.6	2.037	-4.20	56.7	S0312	.04070	9.7222	1.0	F
9019	33690.03	55 35N	28 48E	74.7	191.5	2.037	1.75	56.8	S0312	.03070	9.7140	1.8	A
9020	33695.63	54 59N	28 47E	74.7	191.4	2.037	7.70	57.3	S0312	.04070	9.8295	0.4	V
9021	33698.43	54 59N	28 47E	75.7	191.3	2.037	8.05	57.3	S0312	.03070	9.5902	0.4	A
9022	33708.83	53 59N	27 44E	75.1	191.1	2.037	-9.80	58.1	S0312	.03070	9.6562	1.0	F
9023	33714.23	53 59N	27 43E	75.0	191.0	2.037	-9.45	58.1	S0312	.03070	9.6892	0.8	A
9024	33719.03	53 16N	27 43E	74.4	190.9	2.037	-2.80	58.7	S0312	.03070	9.7552	0.6	F
9025	33721.63	53 16N	27 43E	73.5	190.9	2.037	-2.45	58.7	S0312	.04070	9.9946	0.6	V
9026	33731.83	52 13N	28 33E	86.4	190.7	2.181	28.00	59.9	S0312	.03070	8.4430	0.4	F
9027	33734.83	52 14N	28 33E	85.7	190.7	2.181	28.35	59.9	S0312	.03070	8.5833	0.4	V
9028	33738.23	52 12N	28 36E	88.0	190.6	1.826	30.10	59.9	S0312	.03070	8.2449	0.8	A
9029	33776.03	49 21N	26 36E	74.7	190.0	2.390	4.90	62.1	S0312	.03070	9.7305	0.6	F
9030	33778.63	49 21N	26 36E	73.9	190.0	2.390	5.25	62.1	S0312	.03070	9.9450	0.6	V
9031	33783.23	48 53N	26 17E	74.2	189.9	2.390	0.00	62.4	S0312	.03070	9.7682	0.4	F
9032	33785.83	48 53N	26 17E	73.4	189.9	2.390	0.35	62.4	S0312	.03070	10.0193	0.4	V
9033	33792.03	48 18N	25 59E	74.2	189.8	2.390	-3.50	62.8	S0312	.03070	9.7882	0.6	F
9034	33794.63	48 18N	25 59E	73.3	189.8	2.390	-3.15	62.8	S0312	.03070	10.0276	0.8	V
9035	33797.63	48 16N	25 58E	74.2	189.7	2.390	-2.80	62.9	S0312	.03070	9.7965	0.4	A
9036	33809.83	47 10N	24 31E	87.7	189.6	1.826	-33.95	63.3	S0312	.03070	8.2532	0.6	F
9037	33812.83	47 10N	24 31E	86.2	189.6	2.037	-33.60	63.3	S0312	.03070	8.5090	0.6	V
9038	33825.63	45 56N	25 45E	76.5	189.4	2.530	11.90	64.8	S0312	.03070	9.5076	0.6	F
9039	33828.43	45 56N	25 45E	75.7	189.4	2.530	12.25	64.9	S0312	.03070	9.7057	0.6	V
9040	33832.23	45 41N	25 35E	75.0	189.3	2.530	9.80	65.0	S0312	.03070	9.8047	0.4	V
9041	33835.03	45 41N	25 35E	75.9	189.3	2.530	10.15	65.0	S0312	.03070	9.5406	0.4	A
9042	33841.63	45 0N	25 40E	78.7	189.2	2.390	18.55	65.6	S0312	.03070	9.3426	0.8	V
9043	33844.63	44 60N	25 40E	79.8	189.2	2.390	18.90	65.6	S0312	.03070	9.0785	0.8	A
9044	33850.63	44 34N	25 60E	89.1	189.1	2.181	30.80	66.1	S0312	.03070	8.1046	1.0	A
9045	33942.03	38 9N	23 34E	76.2	188.3	2.738	11.20	70.2	S0312	.03070	9.6397	0.6	V
9046	33944.83	38 9N	23 34E	77.3	188.3	2.738	11.55	70.2	S0312	.03070	9.3673	0.6	A
9047	33946.03	38 4N	23 33E	77.3	188.3	2.738	11.55	70.2	S0312	.03070	9.3673	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1133 9048	33953.83	37 36N	22 48E	75.7	188.2	2.881	-11.20	70.1	SO312	.03070	9.5984	1.0	A
9049	33962.83	37 4N	22 8E	83.8	188.1	2.738	-29.05	70.1	SO312	.03070	8.6741	1.0	A
9050	34020.23	32 43N	20 56E	91.1	187.7	2.390	-36.05	71.7	SO312	.02200	7.9231	0.6	F
9051	34023.43	32 43N	20 56E	89.7	187.7	2.390	-35.70	71.7	SO312	.02200	8.1706	0.6	V
9052	34026.63	32 30N	20 54E	89.2	187.7	2.390	-35.35	71.8	SO312	.03070	8.2119	0.4	V
9053	34029.83	32 30N	20 54E	90.0	187.7	2.738	-35.35	71.8	SO312	.02200	8.0799	0.4	A
9054	34233.63	17 56N	19 7E	80.0	186.9	3.232	3.85	71.6	SO312	.03070	9.0702	0.4	F
9055	34239.43	17 56N	19 8E	80.5	186.8	3.232	4.90	71.6	SO312	.03070	8.9712	0.4	A
9056	34557.03	4 20S	15 20E	93.3	186.5	3.439	9.10	55.4	SO312	.03070	7.7497	1.0	F
9057	34563.83	4 20S	15 21E	94.0	186.5	3.232	10.50	55.4	SO312	.03070	7.6094	1.0	A
9058	34607.23	7 35S	15 3E	99.3	186.6	2.881	19.25	52.6	SO312	.03070	7.3123	0.4	V
9059	34610.83	7 34S	15 3E	101.0	186.6	2.881	19.60	52.7	SO312	.03070	7.0647	0.6	A
9060	34624.63	8 53S	13 23E	104.9	186.6	3.439	-30.45	50.7	SO312	.03070	6.9162	0.6	V
9061	34632.63	8 53S	13 22E	106.1	186.6	3.439	-30.10	50.7	SO312	.03070	6.7759	0.6	A
9062	34711.03	14 53S	13 42E	100.4	186.7	3.232	10.50	45.9	SO312	.03070	7.1720	0.6	F
9063	34714.63	14 53S	13 32E	99.6	186.7	3.232	10.85	45.9	SO312	.03070	7.2793	0.6	V
1134 9001	39083.62	49 10N	4 23E	74.6	190.0	2.390	3.15	62.2	SO312	.03070	9.7470	1.0	F
9002	39089.02	49 10N	4 23E	74.7	189.9	2.390	3.85	62.2	SO312	.03070	9.7222	1.0	A
9003	39302.82	34 11N	0 5E	74.8	187.9	2.881	-5.25	71.9	SO312	.03070	9.7057	0.8	F
9004	39308.23	34 11N	0 5E	74.9	187.9	2.881	-4.55	71.9	SO312	.03070	9.6892	0.6	A
9005	39341.43	31 43N	0 3W	75.3	187.7	2.881	-11.55	72.6	SO312	.03070	9.7470	0.6	V
9006	39344.23	31 43N	0 3W	76.2	187.6	3.092	-11.55	72.6	SO312	.03070	9.5241	0.6	A
1136 9001	50737.82	22 53S	53 9W	134.7	187.0	2.181	36.75	38.9	SO312	.02200	5.8399	0.8	F
9002	50746.22	22 45S	54 8W	108.7	187.1	2.738	13.30	38.6	SO312	.03070	6.5200	1.4	A
9003	50842.42	29 39S	57 7W	123.2	187.5	3.092	-29.75	31.4	SO312	.03070	5.7690	1.4	F
9004	50856.82	30 48S	55 37W	115.8	187.6	2.738	14.70	31.0	SO312	.03070	6.1652	1.0	F
9005	50862.82	30 57S	55 28W	118.6	187.6	2.530	19.60	30.9	SO312	.03070	6.0661	1.2	V
9006	50876.62	31 15S	57 58W	147.1	187.7	3.232	-36.15	29.7	SO312	.03070	5.1913	3.4	A
9007	50892.22	32 20S	58 3W	133.1	187.7	3.232	-35.00	28.7	SO312	.03070	5.3564	1.0	A
9008	50909.02	34 8S	58 14W	128.4	187.8	2.881	-30.45	27.1	SO312	.03070	5.5297	1.4	F
9009	50914.62	34 29S	58 39W	137.2	187.9	2.881	-36.40	26.6	SO312	.03070	5.1666	1.4	F
9010	50923.02	34 50S	57 52W	117.5	187.9	3.092	-18.90	26.6	SO312	.04070	6.1074	0.6	V
9011	50927.42	34 49S	57 52W	118.9	188.0	3.092	-18.20	26.7	SO312	.04070	5.9671	0.6	A
9012	50928.82	34 55S	57 53W	118.9	188.0	3.092	-18.20	26.6	SO312	.04070	5.9588	1.4	A
9013	50964.22	37 43S	57 25W	117.6	188.2	2.530	8.75	24.3	SO312	.04070	6.0991	0.4	V
9014	50968.62	37 43S	57 25W	119.5	188.3	2.530	9.10	24.3	SO312	.04070	5.9011	0.4	A
9015	50976.42	38 26S	58 30W	117.7	188.3	2.881	-12.60	23.3	SO312	.04070	6.0909	0.6	V
9016	50985.02	38 34S	59 25W	132.9	188.4	3.092	-30.10	22.8	SO312	.03070	5.3316	0.8	A
1137 9001	55538.42	11 43N	70 13W	84.6	186.7	3.232	11.20	68.2	SO312	.03070	8.5833	0.6	F
9002	55541.42	11 43N	70 13W	83.9	186.6	3.232	11.55	68.2	SO312	.04070	8.7236	0.6	V
9003	55559.02	10 23N	71 18W	87.7	186.6	3.439	-23.10	66.6	SO312	.03070	8.2284	1.4	F
9004	55565.02	10 10N	71 14W	84.6	186.6	3.439	-18.20	66.5	SO312	.03070	8.6411	1.4	V
9005	55577.02	9 7N	71 8W	83.3	186.6	3.439	-7.70	66.0	SO312	.03070	8.6823	0.6	F
9006	55581.62	9 1N	71 22W	84.3	186.6	3.439	-15.75	65.8	SO312	.03070	8.6741	0.6	V
9007	55586.82	8 38N	71 9W	81.7	186.6	3.439	-4.20	65.7	SO312	.03070	8.9464	1.4	V
9008	55601.02	7 51N	71 9W	84.3	186.6	3.439	1.75	65.3	SO312	.03070	8.5420	1.4	A
9009	55722.22	0 23S	73 9W	92.4	186.5	3.587	-19.95	58.3	SO312	.03070	7.7993	1.0	A
9010	55734.82	1 8S	73 54W	109.4	186.5	3.439	-38.50	57.3	SO312	.02200	6.6026	1.0	A
1144 9001	5931.02	36 30N	140 37E	89.6	188.1	2.530	30.45	71.4	SO312	.02200	8.1541	1.0	F
9002	5937.42	36 30N	140 37E	90.4	188.1	2.181	31.50	71.5	SO312	.02200	8.0056	1.0	A
1145 9001	11240.22	36 37N	118 30E	88.7	188.1	2.530	29.75	71.3	SO312	.03070	8.2284	0.6	F
9002	11243.42	36 37N	118 30E	88.1	188.1	2.530	30.10	71.4	SO312	.03070	8.3522	0.4	V
9003	11247.42	36 34N	118 37E	93.2	188.1	2.181	33.95	71.5	SO312	.02200	7.7662	0.4	A
9004	11278.42	34 17N	117 17E	76.1	187.9	2.881	9.45	72.1	SO312	.02200	9.6644	0.4	V
9005	11282.42	34 13N	117 6E	75.7	187.9	2.881	3.85	72.0	SO312	.03070	9.5737	0.6	A
9006	11373.02	28 1N	115 34E	76.4	187.4	3.232	-3.85	73.5	SO312	.03070	9.4829	0.4	A
9007	11420.02	24 39N	114 15E	84.4	187.2	2.881	-28.35	72.8	SO312	.03070	8.6741	0.4	V
9008	11423.22	24 39N	114 14E	85.3	187.1	3.092	-28.35	72.8	SO312	.03070	8.5173	0.4	A
9009	11432.02	23 46N	114 41E	76.6	187.1	3.232	-5.60	73.2	SO312	.03070	9.5737	0.6	V
9010	11438.82	23 7N	114 27E	78.2	187.1	3.232	-10.15	73.0	SO312	.03070	9.2683	0.4	F
9011	11445.62	22 35N	114 54E	80.6	187.1	3.092	12.25	73.4	SO312	.03070	9.0207	0.4	F
9012	11456.02	22 10N	113 50E	83.7	187.0	3.092	-25.90	72.4	SO312	.03070	8.7484	1.0	V
9013	11459.22	22 10N	113 50E	84.6	187.0	3.092	-25.55	72.4	SO312	.03070	8.5750	0.8	A
9014	11187.42	6 40S	108 16E	109.4	186.6	3.232	-35.70	52.5	SO312	.02200	6.6356	0.6	V
9015	11880.62	6 41S	108 15E	110.8	186.6	3.439	-35.70	52.5	SO312	.02200	6.5035	0.6	A
1147 5001	21668.02	49 47N	78 5E	86.3	190.2	2.181	28.35	61.9	SO130	.02210	8.4520	1.2	F
9001	21652.82	50 48N	78 32E	88.1	190.4	2.181	29.75	61.1	SO312	.03070	8.2882	1.2	F
9002	21656.02	50 47N	78 32E	87.4	190.3	2.181	30.10	61.1	SO312	.03070	8.4265	0.6	V
9003	21659.22	50 48N	78 32E	88.8	190.3	2.181	30.45	61.1	SO312	.03070	8.1706	1.0	A
9004	21667.42	49 49N	78 6E	86.4	190.2	2.181	28.35	61.9	SO312	.03070	8.4512	1.6	F
9005	21673.62	49 49N	78 6E	87.1	190.1	2.181	29.05	61.9	SO312	.03070	8.3274	1.6	A
9006	21720.22	46 52N	75 2E	83.8	189.5	2.181	-29.75	63.6	SO312	.02200	8.6906	0.4	A
9007	21768.82	43 7N	74 11E	80.9	188.9	2.390	-25.90	66.4	SO312	.03070	8.9382	0.6	F
9008	21771.82	43 6N	74 10E	79.8	188.9	2.390	-25.55	66.4	SO312	.03070	9.2023	0.6	V
9009	21776.42	42 49N	73 51E	84.7	188.9	2.181	-32.20	66.5	SO312	.02200	8.6823	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887
~~Top Secret GAMBIT~~

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1147 9010	21779.42	42 49N	73 51E	85.2	188.8	2.390	-31.85	66.5	SO312	.02200	8.5420	1.0	A
9011	21898.22	33 59N	73 49E	95.1	187.9	2.530	-34.65	72.8	SO312	.02200	7.6837	0.6	F
9012	21901.42	33 60N	73 49E	94.5	187.9	2.530	-35.00	72.8	SO312	.02200	7.7828	0.6	V
9013	21908.42	33 35N	73 3E	78.2	187.8	2.738	-15.40	72.5	SO312	.02200	9.3838	0.8	V
9014	21911.42	33 35N	73 2E	79.4	187.8	2.738	-15.75	72.5	SO312	.02200	9.1115	0.6	A
9015	21999.42	27 8N	71 43E	82.0	187.3	2.881	-17.85	74.0	SO312	.03070	8.8804	1.0	F
9016	22005.22	27 8N	71 44E	82.8	187.3	2.881	-18.90	74.0	SO312	.03070	8.7236	1.0	A
1148 9001	26726.62	67 7N	62 39E	79.8	196.8	1.338	-19.60	46.1	SO312	.04070	9.2023	0.8	V
9002	26729.62	67 7N	62 38E	80.6	196.7	1.338	-19.60	46.1	SO312	.04070	9.0042	0.8	A
9003	26849.22	59 6N	57 39E	80.3	192.6	1.826	-22.40	53.4	SO312	.03070	9.0537	1.2	A
9004	26861.62	57 54N	56 36E	87.9	192.3	1.484	-32.55	54.4	SO312	.03070	8.2119	1.2	F
9005	26864.82	57 54N	56 36E	86.5	192.2	1.484	-32.20	54.4	SO312	.03070	8.4678	1.2	V
9006	26868.82	57 50N	56 39E	86.1	192.1	1.690	-30.80	54.5	SO312	.03070	8.4512	0.4	A
9007	26870.22	57 44N	56 36E	86.0	192.1	1.690	-30.80	54.6	SO312	.03070	8.4595	0.4	A
9008	27118.02	40 25N	52 44E	79.8	188.6	2.530	19.60	68.9	SO312	.01650	9.2188	0.6	V
9009	27120.82	40 25N	52 44E	81.0	188.5	2.530	19.95	68.9	SO312	.01650	8.9464	0.6	A
9010	27186.42	35 55N	51 35E	80.0	188.0	2.530	19.95	71.5	SO312	.03070	9.0537	0.8	A
9011	27262.22	30 27N	49 5E	83.7	187.6	2.738	-27.30	72.5	SO312	.03070	8.6411	0.6	F
9012	27268.22	30 27N	49 5E	83.1	187.5	2.881	-26.25	72.6	SO312	.03070	8.7401	0.6	A
9013	27490.42	14 41N	46 40E	80.3	186.7	3.439	-3.85	69.7	SO312	.03070	9.0290	0.6	F
9014	27493.22	14 41N	46 40E	79.4	186.7	3.439	-3.50	69.7	SO312	.03070	9.2188	0.6	V
9015	27505.42	13 55N	45 51E	88.9	186.7	3.232	-29.05	68.7	SO312	.03070	8.2449	0.4	V
9016	27508.62	13 55N	45 51E	89.7	186.7	3.439	-28.70	68.7	SO312	.03070	8.0799	0.6	A
9017	27556.42	10 26N	44 59E	98.2	186.6	3.092	-36.05	66.3	SO312	.01650	7.4444	0.6	V
9018	27560.02	10 26N	44 60E	98.8	186.6	3.092	-35.35	66.3	SO312	.01650	7.3371	0.6	A
9019	27675.42	2 3N	45 19E	101.4	186.5	2.738	28.35	61.2	SO312	.01650	7.1885	1.0	V
9020	27679.22	2 3N	45 19E	103.4	186.5	2.530	29.05	61.2	SO312	.01650	6.9244	1.0	A
1149 5001	32088.42	63 0N	40 47E	94.2	194.6	1.690	34.30	50.2	SO130	.02210	7.7257	0.6	F
5002	32095.22	63 0N	40 48E	95.3	194.4	1.484	35.35	50.2	SO130	.02210	7.6266	0.6	A
5003	32273.02	50 57N	33 28E	74.8	190.3	2.181	8.40	60.8	SO130	.02210	9.8304	0.4	V
5004	32308.62	48 34N	32 18E	73.4	189.8	2.390	-2.10	62.6	SO130	.02210	10.0120	0.6	V
5005	32319.62	47 39N	33 24E	92.6	189.7	2.037	35.00	63.8	SO130	.02210	7.9403	0.4	V
5006	32332.42	46 58N	31 26E	74.8	189.5	2.390	-13.30	63.7	SO130	.02210	9.8222	0.6	V
9001	32026.42	67 42N	40 59E	80.1	197.2	1.135	-19.95	45.5	SO312	.04070	9.1693	0.4	V
9002	32029.42	67 42N	40 59E	80.9	197.1	1.338	-19.95	45.5	SO312	.04070	8.9794	0.4	A
9003	32036.82	67 8N	41 14E	77.1	196.7	1.338	-8.40	46.1	SO312	.04070	9.4168	0.4	A
9004	32069.22	64 38N	40 47E	79.5	195.4	1.484	17.15	48.6	SO312	.03070	9.2435	0.8	V
9005	32072.22	64 38N	40 46E	80.4	195.2	1.484	17.15	48.6	SO312	.03070	9.0290	0.8	A
9006	32148.42	59 34N	35 22E	84.6	192.8	1.484	-29.75	53.0	SO312	.03070	8.6658	0.6	V
9007	32151.62	59 34N	35 21E	85.6	192.8	1.690	-30.10	53.0	SO312	.03070	8.4925	0.6	A
9008	32169.02	57 46N	36 40E	79.4	192.3	2.037	16.80	54.9	SO312	.03070	9.1693	1.0	F
9009	32174.82	57 45N	36 40E	79.7	192.2	1.826	17.85	54.9	SO312	.03070	9.1032	0.8	A
9010	32183.42	56 51N	35 46E	75.6	192.0	2.037	5.95	55.6	SO312	.04070	9.6067	1.0	F
9011	32188.82	56 51N	35 46E	75.7	191.9	2.037	6.65	55.6	SO312	.03070	9.5819	1.0	A
9012	32196.82	56 3N	36 8E	81.8	191.7	2.037	23.10	56.5	SO312	.03070	8.9877	0.6	V
9013	32200.02	56 2N	36 8E	83.0	191.6	1.826	23.80	56.5	SO312	.03070	8.7318	0.4	A
9014	32205.82	55 37N	36 7E	85.8	191.5	1.826	27.30	56.9	SO312	.03070	8.4512	0.8	A
9015	32215.42	54 32N	35 47E	87.8	191.3	2.037	29.40	57.9	SO312	.03070	8.2944	0.6	F
9016	32218.62	54 32N	35 48E	87.3	191.3	1.826	30.10	57.9	SO312	.03070	8.4347	0.6	V
9017	32222.82	54 3N	35 28E	85.8	191.2	2.037	27.30	58.3	SO312	.03070	8.4843	0.6	F
9018	32225.82	54 3N	35 28E	85.1	191.1	2.037	27.65	58.3	SO312	.03070	8.6328	0.6	V
9019	32229.62	53 47N	35 30E	87.9	191.1	1.826	30.80	58.5	SO312	.03070	8.3770	0.6	V
9020	32232.82	53 47N	35 30E	88.9	191.0	1.826	30.80	58.5	SO312	.03070	8.1541	0.6	A
9021	32239.22	53 10N	34 57E	82.6	190.9	2.037	24.50	59.0	SO312	.03070	8.9052	0.6	V
9022	32242.22	53 10N	34 57E	83.8	190.9	2.037	24.85	59.0	SO312	.03070	8.6493	0.6	A
9023	32259.62	51 42N	33 32E	74.6	190.6	2.390	2.10	60.1	SO312	.03070	9.7387	0.4	F
9024	32262.22	51 42N	33 31E	73.8	190.5	2.181	2.45	60.1	SO312	.03070	9.9615	1.6	V
9025	32266.02	51 38N	33 30E	74.7	190.5	2.181	2.80	60.1	SO312	.03070	9.7222	0.4	A
9026	32277.62	50 24N	33 34E	78.5	190.3	2.390	16.10	61.3	SO312	.03070	9.2683	0.6	F
9027	32280.42	50 24N	33 34E	77.7	190.2	2.181	16.45	61.3	SO312	.03070	9.4746	0.6	V
9028	32286.02	50 0N	33 36E	80.1	190.2	2.181	21.00	61.7	SO312	.03070	9.1858	0.6	V
9029	32289.02	50 0N	33 36E	81.3	190.1	2.181	21.35	61.7	SO312	.03070	8.9217	0.6	A
9030	32293.82	49 30N	33 12E	77.0	190.0	2.181	15.05	62.0	SO312	.03070	9.5489	0.4	V
9031	32301.82	48 51N	32 17E	74.4	189.9	2.390	-5.60	62.3	SO312	.03070	9.7552	0.4	F
9032	32304.42	48 51N	32 17E	73.5	189.9	2.390	-5.25	62.3	SO312	.03070	9.9946	0.4	V
9033	32340.82	46 27N	30 42E	82.8	189.4	2.181	-29.40	63.9	SO312	.03070	8.8556	0.8	V
9034	32343.82	46 28N	30 42E	83.7	189.4	2.390	-29.40	63.9	SO312	.03070	8.6988	0.8	A
9035	32420.22	40 46N	29 49E	75.3	188.6	2.738	-10.85	68.2	SO312	.04070	9.6314	1.0	F
9036	32425.62	40 46N	29 50E	75.2	188.6	2.738	-9.80	68.2	SO312	.04070	9.6644	1.0	A
9037	32483.22	36 54N	28 17E	84.1	188.1	2.738	-29.40	70.1	SO312	.03070	8.8493	1.0	A
9038	32560.02	31 23N	27 12E	81.7	187.6	2.738	-25.90	72.4	SO312	.03070	8.9877	0.8	V
9039	32563.02	31 23N	27 11E	82.5	187.6	2.738	-25.55	72.4	SO312	.03070	8.8144	0.8	A
1150 9001	37526.42	54 29N	12 32E	75.1	191.3	2.181	3.50	57.7	SO312	.04070	9.6809	0.4	F
9002	37529.02	54 29N	12 32E	74.2	191.2	2.181	3.85	57.7	SO312	.04070	9.9038	0.4	V
9003	37536.02	53 55N	11 27E	78.0	191.1	2.037	-18.90	58.0	SO312	.04070	9.2848	0.8	F
9004	37541.62	53 55N	11 26E	77.9	191.0	2.037	-18.55	58.0	SO312	.04070	9.3343	0.8	A
9005	37561.42	52 2N	12 10E	80.0	190.7	2.181	18.90	59.9	SO312	.03070	9.1115	0.8	F
9006	37564.22	52 2N	12 10E	79.2	190.6	2.181	19.25	59.9	SO312	.03070	9.2848	0.8	V
9007	37568.42	51 45N	11 59E	78.1	190.5	2.181	17.15	60.2	SO312	.03070	9.4251	0.8	V
9008	37571.42	51 45N	11 58E	79.2	190.5	2.181	17.50	60.2	SO312	.03070	9.1610	0.8	A
9009	37578.02	50 49N	12 14E	89.0	190.4	2.181	30.80	61.1	SO312	.03070	8.2037	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

4353

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1150 9010	37584.42	50 49N	12 15E	89.7	190.3	1.826	31.85	61.1	S0312	.03070	8.0799	0.8	A
9011	37783.82	36 55N	6 55E	75.0	188.2	2.881	-5.25	70.5	S0312	.04070	9.6809	1.0	F
9012	37789.22	36 55N	6 55E	75.0	188.1	2.881	-4.20	70.6	S0312	.04070	9.6727	1.0	A
1152 9001	49013.22	5 27S	45 13W	91.9	186.5	3.439	0.70	54.3	S0312	.03070	7.8405	1.4	F
9002	49228.42	20 5S	48 41W	110.0	186.9	3.232	-24.50	40.5	S0312	.03070	6.4788	1.4	F
9003	49235.02	20 33S	48 36W	107.0	186.9	3.439	-19.60	40.2	S0312	.03070	6.6768	1.4	F
9004	49242.22	20 31S	48 29W	105.6	187.0	3.439	-15.40	40.3	S0312	.03070	6.7594	1.0	A
1153 9001	54081.81	11 0N	63 50W	92.2	186.6	2.748	24.85	68.0	S0312	.02200	7.9231	1.0	V
9002	54089.81	10 29N	64 11W	86.3	186.6	3.092	15.40	67.4	S0312	.03070	8.4678	1.0	V
9003	54098.61	10 8N	64 41W	83.1	186.6	3.439	-1.75	66.8	S0312	.04070	8.6741	0.8	A
9004	54104.61	9 29N	64 28W	85.0	186.6	3.242	11.55	66.6	S0312	.03070	8.5998	1.4	V
9005	54158.61	5 39N	66 7W	92.8	186.5	3.439	-26.95	63.0	S0312	.03070	7.7580	1.4	F
9006	54366.81	8 32S	67 22W	99.7	186.6	2.881	18.20	51.8	S0312	.03070	7.2876	1.4	V
9007	54391.21	9 56S	67 48W	99.0	186.6	3.092	12.60	50.4	S0312	.03070	7.2050	1.6	A
9008	54457.01	14 41S	68 28W	103.3	186.7	2.881	17.50	46.2	S0312	.03070	7.0152	1.6	V
9009	54725.61	32 55S	71 27W	129.3	187.7	2.181	27.30	29.2	S0312	.03070	5.5627	0.8	V
9010	54777.81	36 40S	73 5W	118.8	188.1	2.738	8.75	25.3	S0314	.04070	5.9919	1.0	F
9011	54782.01	36 40S	73 4W	118.0	188.1	2.530	9.45	25.3	S0312	.05390	6.0826	1.0	V
9012	54792.61	37 37S	73 37W	117.4	188.2	2.881	1.40	24.3	S0312	.04070	6.0579	1.0	F
9013	54800.81	37 36S	73 28W	119.1	188.2	2.738	5.60	24.4	S0312	.04070	5.9258	0.6	A
1154 9001	59351.01	13 34N	85 58W	81.4	186.7	3.242	6.65	69.3	S0312	.03070	8.4877	1.4	V
9002	59358.01	13 7N	86 22W	80.2	186.7	3.439	-6.65	68.7	S0312	.03070	8.1197	0.4	V
9003	59361.01	13 7N	86 21W	81.3	186.7	3.439	-5.95	68.7	S0312	.03070	8.8887	0.4	A
1155 5001	64487.21	25 34N	107 7W	96.3	187.2	2.881	-39.90	72.5	S0130	.01660	7.5771	0.8	A
1159 9001	85149.21	64 48N	177 55E	78.1	195.3	1.338	-16.10	48.3	S0312	.04070	9.4003	0.6	V
9002	85152.21	64 47N	177 54E	78.9	195.2	1.338	-16.10	48.3	S0312	.04070	9.2023	0.6	A
1161 9001	9560.21	51 47N	127 49E	74.7	190.6	2.181	-7.00	59.9	S0312	.03070	9.7057	0.4	F
9002	9568.21	51 17N	128 44E	81.1	190.4	2.181	22.40	60.6	S0312	.02200	9.0702	0.8	V
9003	9571.21	51 17N	128 44E	82.3	190.4	2.181	22.75	60.6	S0312	.02200	8.8144	0.8	A
9004	9580.21	50 23N	127 37E	74.5	190.3	2.390	0.70	61.1	S0312	.03070	9.7470	0.6	F
9005	9581.41	50 18N	127 35E	74.6	190.2	2.390	0.70	61.2	S0312	.03070	9.7387	1.0	F
9006	9586.81	50 18N	127 35E	74.6	190.2	2.390	1.40	61.2	S0312	.04070	9.7305	1.0	A
9007	9643.41	46 37N	124 60E	91.0	189.4	2.181	-37.10	63.6	S0312	.02200	8.0138	0.4	A
9008	9674.61	44 2N	126 24E	82.6	189.1	2.390	24.50	66.4	S0312	.02200	8.8969	0.6	V
9009	9677.61	44 2N	126 24E	83.9	189.0	2.390	24.85	66.4	S0312	.02200	8.6328	0.6	A
9010	9732.01	39 54N	125 15E	83.7	188.5	2.530	24.15	69.3	S0312	.03070	8.7153	0.4	F
9011	9735.01	39 54N	125 15E	83.0	188.5	2.530	24.50	69.3	S0312	.03070	8.8639	0.4	V
9012	9737.81	39 42N	125 13E	83.4	188.5	2.530	24.85	69.4	S0312	.03070	8.8309	0.4	V
9013	9740.61	39 43N	125 11E	84.1	188.4	2.530	24.50	69.4	S0312	.02200	8.6163	0.4	A
9014	9966.61	24 19N	120 32E	81.1	187.1	3.232	-19.95	73.0	S0312	.03070	8.9464	0.8	A
9015	9983.21	22 45N	120 25E	79.1	187.1	3.232	-13.30	72.8	S0312	.03070	9.1527	1.0	F
9016	9989.01	22 45N	120 25E	79.0	187.0	3.232	-12.25	72.9	S0312	.03070	9.1775	1.0	A
1162 5001	15242.61	26 17N	97 58E	103.4	187.3	2.390	-44.45	72.4	S0130	.01660	6.9746	0.8	F
5002	15249.01	26 6N	97 59E	99.9	187.2	2.530	-43.05	72.4	S0130	.01660	7.3212	0.8	V
5003	15254.81	25 57N	97 57E	101.0	187.2	2.738	-43.05	72.4	S0130	.01660	7.2139	1.0	A
5004	15336.81	19 55N	98 5E	77.6	186.9	3.232	0.70	72.3	S0130	.02210	9.4508	0.8	V
9001	14888.61	50 21N	106 27E	84.9	190.3	2.181	26.60	61.4	S0312	.03070	8.5998	0.6	F
9002	14891.61	50 21N	106 25E	83.5	190.2	2.181	26.25	61.4	S0312	.02200	8.8144	0.4	V
9003	14894.21	50 23N	106 26E	84.8	190.2	2.181	26.60	61.4	S0312	.03070	8.5503	0.4	A
9004	15064.01	38 47N	101 6E	84.3	188.3	2.390	-32.20	69.0	S0312	.03070	8.7071	0.4	V
9005	15067.01	38 47N	101 6E	85.1	188.3	2.390	-31.85	69.0	S0312	.03070	8.5585	0.6	A
1163 5001	20159.41	53 20N	84 10E	73.9	190.9	2.181	-6.30	58.6	S0130	.02210	9.9377	0.6	V
5002	20162.21	53 19N	84 10E	74.8	190.9	2.181	-5.95	58.6	S0130	.02210	9.7314	0.6	A
9001	20103.81	56 55N	85 39E	75.1	192.0	2.037	-5.95	55.5	S0312	.04070	9.6562	1.6	F
9002	20110.41	56 30N	85 5E	77.1	191.9	1.826	-15.40	55.8	S0312	.03070	9.3838	1.0	F
9003	20115.41	56 33N	85 2E	77.4	191.7	2.037	-16.45	55.7	S0312	.03070	9.3921	1.6	A
9004	20121.21	55 46N	84 55E	76.0	191.6	2.037	-11.90	56.4	S0312	.03070	9.5406	0.6	F
9005	20123.81	55 46N	84 55E	75.1	191.6	2.037	-11.90	56.4	S0312	.04070	9.7882	1.2	V
9006	20127.41	55 43N	84 53E	75.8	191.5	2.037	-11.55	56.5	S0312	.03070	9.5819	0.4	A
9007	20134.21	55 17N	84 22E	78.6	191.4	2.037	-19.95	56.8	S0312	.03070	9.2518	0.6	A
9008	20150.41	53 48N	83 58E	77.1	191.1	2.037	-16.45	58.1	S0312	.03070	9.4003	0.4	F
9009	20156.81	53 19N	84 10E	74.8	190.9	2.181	-6.65	58.6	S0312	.03070	9.6892	0.6	F
9010	20159.41	53 20N	84 10E	73.9	190.9	2.181	-6.30	58.6	S0312	.03070	9.9368	0.6	V
9011	20169.21	52 32N	83 8E	81.5	190.7	1.826	-25.55	59.1	S0312	.03070	8.8639	0.4	F
9012	20170.81	52 26N	83 5E	81.5	190.7	1.826	-25.55	59.2	S0312	.03070	8.8721	0.8	F
9013	20175.01	52 33N	83 7E	81.2	190.6	2.037	-25.20	59.1	S0312	.03070	8.9629	0.6	A
9014	20176.61	52 26N	83 5E	81.1	190.6	2.037	-25.20	59.2	S0312	.03070	8.9712	0.8	A
9015	20188.81	51 38N	82 37E	84.2	190.4	2.037	-29.75	59.8	S0312	.02200	8.6411	0.6	A
9016	20195.81	51 11N	82 13E	88.9	190.3	2.037	-35.00	60.1	S0312	.02200	8.1871	0.8	A
9017	20214.61	49 28N	81 42E	89.0	190.0	1.826	-35.00	61.5	S0312	.03070	8.1046	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1163 9018	20219.81	49 18N	81 53E	83.1	190.0	2.037	-29.75	61.7	SO312	.03070	8.8391	0.6	V
9019	20222.81	49 18N	81 53E	83.7	189.9	2.037	-29.40	61.7	SO312	.03070	8.6906	0.6	A
9020	20224.61	49 11N	81 51E	83.7	189.9	2.037	-29.40	61.8	SO312	.03070	8.6906	0.4	A
9021	20265.01	46 13N	80 50E	85.8	189.4	2.037	-32.90	64.0	SO312	.02200	8.5585	0.6	V
9022	20268.21	46 13N	80 50E	86.4	189.3	2.037	-32.55	64.0	SO312	.02200	8.4265	0.8	A
9023	20395.01	37 9N	79 55E	76.1	188.2	2.738	12.60	70.7	SO312	.03070	9.6562	0.4	V
9024	20397.81	37 9N	79 55E	77.2	188.1	2.738	12.95	70.7	SO312	.03070	9.3838	0.4	A
9025	20518.21	28 35N	77 7E	80.6	187.4	2.881	-21.35	73.0	SO312	.02200	8.9794	0.6	F
9026	20524.01	28 35N	77 6E	80.4	187.4	3.092	-21.00	73.0	SO312	.02200	9.0290	0.6	A
1164 5001	25585.81	45 8N	59 18E	74.8	189.3	2.530	-8.40	65.2	SO130	.02210	9.6901	0.8	F
5002	25590.61	45 10N	59 20E	74.8	189.2	2.530	-7.35	65.1	SO130	.02210	9.7231	0.8	A
9001	25441.41	55 17N	61 35E	87.6	191.4	1.690	-33.95	56.7	SO312	.03070	8.3687	0.4	V
9002	25444.61	55 17N	61 35E	88.3	191.3	1.690	-33.60	56.7	SO312	.03070	8.2367	0.4	A
9003	25447.01	55 7N	61 30E	88.6	191.3	1.690	-33.95	56.8	SO312	.03070	8.2119	0.6	A
9004	25472.01	53 9N	61 15E	89.1	190.8	2.037	-24.85	58.6	SO312	.03070	9.1693	0.4	V
9005	25475.01	53 9N	61 14E	81.0	190.8	2.037	-24.85	58.6	SO312	.03070	8.9877	0.4	A
9006	25480.21	52 38N	60 37E	87.5	190.7	1.826	-34.30	58.9	SO312	.03070	8.3687	0.4	V
9007	25483.41	52 38N	60 37E	88.2	190.6	1.826	-33.95	58.9	SO312	.03070	8.2367	0.4	A
9008	25496.81	51 16N	60 36E	81.0	190.4	2.037	-25.20	60.1	SO312	.03070	8.9299	0.4	F
9009	25499.61	51 16N	60 36E	79.8	190.4	2.037	-24.85	60.1	SO312	.03070	9.1940	0.4	V
9010	25500.81	51 11N	60 34E	79.9	190.4	2.037	-24.85	60.2	SO312	.03070	9.1940	0.4	V
9011	25505.41	50 54N	60 12E	84.5	190.3	1.826	-31.15	60.4	SO312	.03070	8.6741	0.4	V
9012	25508.41	50 54N	60 11E	85.6	190.3	2.037	-31.50	60.4	SO312	.03070	8.5008	0.6	A
9013	25585.21	45 10N	59 19E	74.8	189.3	2.530	-8.40	65.1	SO312	.03070	9.6892	1.4	F
9014	25590.61	45 10N	59 20E	74.7	189.2	2.530	-7.35	65.1	SO312	.03070	9.7222	1.4	A
9015	25685.81	38 15N	57 45E	74.9	188.3	2.881	0.70	69.9	SO312	.03070	9.7057	0.6	F
9016	25692.01	38 10N	57 57E	76.5	188.3	2.738	9.10	70.1	SO312	.03070	9.4664	0.6	A
1165 5001	30785.61	52 33N	40 56E	84.5	190.7	2.037	26.95	59.5	SO130	.01660	8.6996	3.2	V
5002	30813.61	50 50N	40 43E	95.3	190.3	1.826	36.40	61.1	SO130	.02210	7.6101	0.6	A
5003	30825.01	50 8N	39 34E	78.5	190.1	2.181	16.10	61.5	SO130	.02210	9.2527	0.4	A
5004	30832.81	49 21N	39 45E	84.7	190.0	2.181	27.30	62.2	SO130	.02210	8.6831	0.4	V
5005	30838.81	49 11N	39 14E	78.5	189.9	2.181	16.10	62.2	SO130	.01660	9.2609	3.6	A
5006	30851.61	47 52N	39 13E	84.9	189.8	2.390	26.25	63.4	SO130	.02210	8.5758	0.6	F
5007	30863.61	47 36N	37 43E	75.9	189.6	2.530	-14.00	63.2	SO130	.02210	9.5828	0.6	A
5008	30876.21	46 34N	39 29E	102.6	189.5	1.690	41.30	64.7	SO130	.01660	7.0406	0.4	A
5009	30884.21	46 1N	39 26E	106.5	189.4	1.690	43.40	65.2	SO130	.01660	6.7847	0.4	A
5010	30890.41	45 38N	38 44E	90.9	189.3	2.037	32.55	65.3	SO130	.02210	7.9568	0.6	A
9001	30421.61	76 14N	62 42E	84.1	209.3	0.995	18.90	37.0	SO312	.05390	8.6163	1.0	F
9002	30427.61	76 15N	62 41E	84.1	208.4	0.787	19.25	36.9	SO312	.05390	8.6081	1.0	A
9003	30500.01	71 34E	52 25E	77.6	201.1	1.135	-0.70	41.8	SO312	.04070	9.3343	0.8	F
9004	30502.81	71 34N	52 24E	76.6	200.9	1.135	-0.70	41.8	SO312	.04070	9.5737	0.8	V
9005	30505.81	71 33N	52 23E	77.5	200.7	1.135	-0.70	41.8	SO312	.04070	9.3591	0.6	A
9006	30673.01	60 24N	44 15E	81.0	193.2	1.690	19.60	52.5	SO312	.03070	8.9464	0.4	A
9007	30798.01	51 42N	39 9E	75.5	190.5	2.181	-11.55	59.9	SO312	.03070	9.5984	0.4	F
9008	30800.61	51 42N	39 9E	74.6	190.5	2.181	-11.20	59.9	SO312	.03070	9.8460	0.4	V
9009	30847.21	48 35N	39 19E	82.7	189.8	2.181	23.45	62.8	SO312	.03070	8.7566	0.4	A
9010	30900.61	44 46N	37 48E	77.1	189.2	2.530	14.70	65.7	SO312	.04070	9.5324	1.2	V
9011	30905.81	44 36N	37 60E	82.1	189.1	2.530	22.05	65.9	SO312	.04070	8.8226	0.4	A
9012	31015.41	36 37N	36 14E	91.4	188.1	2.530	31.85	71.4	SO312	.02200	7.9891	1.4	F
9013	31022.01	36 37N	36 11E	91.2	188.1	2.181	31.85	71.4	SO312	.02200	7.9313	1.4	A
9014	31055.21	33 54N	35 31E	90.7	187.9	2.530	30.80	72.7	SO312	.02200	8.0551	0.6	F
9015	31058.81	33 52N	35 33E	91.2	187.8	2.530	32.20	72.7	SO312	.02200	8.0551	0.6	V
9016	31062.21	33 52N	35 33E	92.8	187.8	2.181	32.90	72.7	SO312	.02200	7.7828	0.6	A
9017	31070.21	32 54N	35 6E	85.8	187.8	2.738	25.20	72.9	SO312	.01650	8.4843	1.2	F
9018	31076.41	32 54N	35 6E	86.7	187.7	2.530	26.25	72.9	SO312	.01650	8.3357	1.2	A
9019	31082.61	32 3N	34 55E	86.3	187.7	2.738	25.55	73.2	SO312	.01650	8.4430	0.6	F
9020	31085.61	32 3N	34 54E	85.5	187.7	2.530	25.90	73.2	SO312	.01650	8.5915	0.6	V
9021	31089.61	31 46N	34 56E	87.9	187.7	2.530	28.70	73.4	SO312	.01650	8.3605	1.0	V
9022	31092.81	31 46N	34 56E	89.4	187.6	2.530	29.05	73.4	SO312	.01650	8.0799	1.0	A
9023	31098.41	31 10N	34 48E	88.1	187.6	2.530	28.70	73.6	SO312	.03070	8.3357	0.8	V
9024	31101.61	31 10N	34 48E	89.6	187.6	2.530	29.05	73.6	SO312	.02200	8.0634	0.8	A
9025	31117.01	30 5N	32 45E	89.3	187.5	2.738	-35.00	72.4	SO312	.02200	8.2037	0.4	V
9026	31120.21	30 5N	32 44E	90.1	187.5	2.738	-34.65	72.4	SO312	.02200	8.0634	0.4	A
9027	31127.41	29 9N	32 34E	90.6	187.5	2.738	-35.00	72.5	SO312	.02200	7.9561	1.0	F
9028	31130.61	29 9N	32 34E	89.3	187.4	2.738	-34.65	72.5	SO312	.02200	8.2037	1.0	V
9029	31958.01	27 45S	21 30E	134.6	187.3	2.881	-38.15	34.0	SO312	.03070	5.2656	0.8	F
9030	31967.81	27 45S	21 31E	133.7	187.4	3.232	-37.45	33.1	SO312	.03070	5.3316	0.8	A
1166 9001	35635.61	81 10N	64 27E	88.5	231.1	0.438	24.85	30.7	SO312	.04070	8.2944	0.8	V
9002	35638.81	81 10N	64 28E	89.4	230.9	0.438	24.85	30.7	SO312	.03070	8.1129	0.8	A
9003	36062.61	54 34N	18 33E	74.8	191.3	2.181	0.00	57.6	SO312	.04070	9.7140	0.6	F
9004	36065.21	54 34N	18 33E	73.9	191.2	2.181	0.35	57.6	SO312	.04070	9.9450	0.8	V
9005	36074.01	53 54N	17 0E	85.9	191.1	1.690	-31.15	57.9	SO312	.03070	8.4182	0.8	F
9006	36077.01	53 54N	17 0E	84.6	191.0	1.690	-30.80	57.9	SO312	.03070	8.6823	0.8	V
9007	36080.01	53 42N	16 56E	84.6	191.0	1.690	-30.80	58.0	SO312	.03070	8.6741	0.6	V
9008	36083.21	53 42N	16 55E	85.6	190.9	1.690	-30.80	58.0	SO312	.03070	8.5008	0.4	A
9009	36087.41	53 12N	16 44E	84.9	190.8	1.690	-31.15	58.5	SO312	.03070	8.6493	0.8	V
9010	36090.41	53 12N	16 45E	85.6	190.8	2.037	-31.15	58.5	SO312	.03070	8.5008	1.0	A
9011	36096.81	52 31N	16 52E	79.2	190.7	2.037	-23.45	59.1	SO312	.03070	9.2683	0.4	V
9012	36099.61	52 31N	16 52E	79.9	190.6	2.037	-23.10	59.1	SO312	.03070	9.1032	0.4	A
9013	36109.21	51 43N	16 9E	86.2	190.5	1.826	-32.90	59.7	SO312	.03070	8.5008	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1166 9014	36116.01	51 14N	16 9E	83.2	190.4	1.826	-29.40	60.1	SO312	.03070	8.8144	0.6	V
9015	36119.01	51 14N	16 9E	84.0	190.3	2.037	-29.40	60.1	SO312	.03070	8.6658	0.8	A
9016	36125.81	50 21N	15 56E	83.1	190.2	2.037	-28.35	60.8	SO312	.03070	8.7071	0.6	F
9017	36128.81	50 21N	15 57E	81.9	190.2	2.037	-28.00	60.8	SO312	.03070	8.9712	0.6	V
9018	36133.01	50 4N	15 49E	82.4	190.1	2.037	-28.70	61.1	SO312	.03070	8.9134	0.4	V
9019	36136.01	50 4N	15 49E	83.1	190.1	2.037	-28.35	61.1	SO312	.03070	8.7566	0.4	A
9020	36139.61	49 24N	15 35E	84.0	190.0	2.037	-29.75	61.6	SO312	.03070	8.6163	0.6	F
9021	36142.61	49 25N	15 35E	82.7	190.0	2.037	-29.40	61.6	SO312	.03070	8.8804	0.6	V
9022	36149.61	48 52N	16 4E	74.6	189.9	2.390	-12.25	62.2	SO312	.03070	9.8543	0.6	V
9023	36152.41	48 52N	16 4E	75.3	189.9	2.390	-11.90	62.2	SO312	.03070	9.6479	0.6	A
9024	36162.61	47 39N	16 54E	82.6	189.7	2.390	23.10	63.6	SO312	.03070	8.8226	0.6	F
9025	36165.61	47 38N	16 54E	81.7	189.7	2.181	23.45	63.6	SO312	.03070	9.0042	0.6	V
9026	36171.21	47 16N	16 38E	79.4	189.6	2.390	19.60	63.8	SO312	.03070	9.2600	0.4	V
9027	36188.41	46 5N	14 32E	85.6	189.4	2.037	-31.50	64.1	SO312	.03070	8.4512	0.6	F
9028	36191.41	46 5N	14 32E	84.3	189.4	2.037	-31.15	64.1	SO312	.03070	8.7153	0.6	V
9029	36195.81	45 45N	14 43E	79.1	189.3	2.390	-24.15	64.5	SO312	.03070	9.2931	0.6	V
9030	36198.61	45 46N	14 43E	79.8	189.3	2.390	-23.80	64.5	SO312	.03070	9.1197	0.6	A
9031	36202.61	45 17N	14 34E	79.6	189.2	2.390	-24.50	64.8	SO312	.04070	9.2353	0.4	V
9032	36205.61	45 17N	14 34E	80.3	189.2	2.390	-24.15	64.8	SO312	.04070	9.0620	0.4	A
9033	36214.81	44 9N	15 23E	76.4	189.1	2.530	10.50	66.1	SO312	.03070	9.5241	1.4	F
9034	36220.41	44 8N	15 23E	76.7	189.0	2.530	11.20	66.1	SO312	.03070	9.4581	1.2	A
9035	36261.41	41 15N	13 35E	78.4	188.6	2.530	-22.05	67.7	SO312	.03070	9.3673	0.8	V
9036	36378.61	32 48N	13 12E	92.5	187.8	2.530	32.20	73.1	SO312	.02200	7.8983	0.8	F
9037	36382.01	32 47N	13 12E	91.9	187.8	2.530	32.55	73.2	SO312	.02200	8.0056	2.4	V
9038	36386.61	32 42N	13 10E	93.1	187.7	2.181	32.90	73.2	SO312	.01650	7.7662	1.2	A
1168 9001	46511.21	65 42N	20 16W	77.3	198.0	1.484	-12.25	47.4	SO312	.04070	9.3591	1.0	F
9002	47527.61	3 45S	38 32W	92.7	186.5	3.232	10.85	55.9	SO312	.03070	7.8488	1.0	V
9003	47531.21	3 45S	38 31W	94.4	186.5	3.232	11.55	55.9	SO312	.03070	7.5764	0.8	A
9004	47652.61	12 15S	40 27W	95.6	186.7	3.439	-4.55	48.1	SO312	.03070	7.5847	0.6	V
9005	47659.61	12 30S	40 18W	97.8	186.7	3.439	2.80	48.0	SO312	.03070	7.2958	1.2	A
1169 9001	52723.01	3 49N	59 20W	88.0	186.5	3.232	10.85	62.3	SO312	.03070	8.2944	1.4	V
9002	52728.81	3 40N	59 32W	87.4	186.5	3.439	4.55	62.0	SO312	.03070	8.2119	1.4	A
9003	52734.61	3 3N	59 38W	86.5	186.5	3.439	4.55	61.5	SO312	.03070	8.4265	1.0	V
9004	52764.41	1 17N	60 28W	90.0	186.5	3.587	-15.75	59.8	SO312	.03070	8.0056	1.4	A
9005	53044.01	17 54S	62 19W	124.6	186.8	2.181	32.90	43.5	SO312	.02200	5.6865	1.4	A
9006	53094.01	21 58S	62 48W	133.9	187.0	2.181	36.40	39.8	SO312	.02200	5.3729	0.8	F
9007	53100.61	21 45S	62 51W	132.7	187.0	1.826	35.70	39.9	SO312	.02200	5.3316	1.4	A
9008	53156.21	25 36S	65 55W	114.9	187.2	3.439	-27.30	35.3	SO312	.03070	6.2807	0.6	V
9009	53160.41	25 35S	65 54W	116.0	187.2	3.439	-26.60	35.3	SO312	.03070	6.1487	0.6	A
9010	53221.01	30 19S	66 15W	111.5	187.5	3.232	-9.80	31.1	SO312	.03070	6.3880	0.4	F
9011	53225.01	30 19S	66 15W	110.4	187.5	3.232	-9.45	31.1	SO312	.03070	6.5118	0.4	V
9012	53256.81	32 18S	65 0W	135.8	187.7	1.826	31.50	29.9	SO312	.03070	5.1831	1.4	A
9013	53319.41	36 19S	68 1W	120.3	188.1	3.092	-17.50	25.3	SO312	.04070	5.8846	0.8	A
9014	53422.61	43 38S	68 56W	121.6	189.0	2.530	3.85	18.6	SO312	.04070	5.8763	0.6	V
9015	53427.21	43 37S	68 57W	123.6	189.0	2.530	4.20	18.6	SO312	.04070	5.6947	0.6	A
9016	53445.81	45 32S	68 59W	128.4	189.2	2.181	12.95	16.9	SO312	.04070	5.5214	1.6	F
1171 9001	63012.41	25 44N	100 19W	81.0	187.2	3.092	-20.65	73.1	SO312	.03070	8.9464	1.2	F
9002	63018.21	25 44N	100 18W	80.6	187.2	3.232	-19.60	73.1	SO312	.03070	8.9959	1.2	A
1177 9001	8187.60	44 11N	132 54E	87.6	189.1	2.181	30.45	66.3	SO312	.03070	8.4017	0.6	V
9002	8190.80	44 11N	132 54E	89.0	189.1	2.181	30.80	66.3	SO312	.03070	8.1376	0.6	A
9003	8224.00	42 9N	130 10E	88.0	188.7	2.390	-34.30	66.8	SO312	.02200	8.2697	0.6	A
9004	8240.00	41 5N	129 43E	92.7	188.6	2.390	-38.50	67.4	SO312	.02200	7.8488	0.6	A
1178 9001	13381.80	52 9N	113 17E	84.6	190.6	2.037	25.90	59.8	SO312	.02200	8.5585	0.6	A
9002	13617.00	35 46N	107 38E	74.5	188.0	2.881	1.05	71.2	SO312	.03070	9.7552	0.6	F
9003	13622.20	35 47N	107 39E	74.8	188.0	2.881	2.80	71.2	SO312	.03070	9.6974	0.6	A
9004	13637.20	34 23N	107 16E	75.0	187.9	2.881	-0.35	71.8	SO312	.03070	9.6809	0.6	F
9005	13643.80	33 59N	106 40E	77.9	187.9	2.881	-19.25	71.6	SO312	.03070	9.2848	0.6	F
9006	13646.60	33 59N	106 40E	76.9	187.8	2.881	-18.90	71.6	SO312	.03070	9.5324	0.6	V
1179 9001	18598.80	58 23N	92 25E	75.5	192.4	1.826	-8.75	54.1	SO312	.03070	9.6149	0.6	A
9002	18615.60	56 41N	93 8E	84.4	192.0	2.037	25.20	55.9	SO312	.03070	8.6246	2.2	F
9003	18621.00	56 20N	92 57E	84.1	191.9	2.037	24.85	56.2	SO312	.03070	8.6576	0.6	F
9004	18625.00	56 2N	92 60E	87.1	191.8	2.037	28.35	56.5	SO312	.03070	8.3605	0.6	F
9005	18628.00	56 2N	92 59E	86.2	191.7	1.826	28.70	56.5	SO312	.03070	8.5420	0.8	V
9006	18642.40	55 21N	89 58E	87.3	191.4	1.690	-33.95	56.6	SO312	.03070	8.3935	1.8	V
9007	18646.80	55 16N	89 56E	88.0	191.3	1.690	-33.60	56.6	SO312	.03070	8.2614	0.6	A
9008	18648.00	55 11N	89 55E	88.0	191.3	1.690	-33.60	56.7	SO312	.03070	8.2697	0.6	A
9009	18800.60	44 12N	88 0E	76.3	189.1	2.530	11.55	66.1	SO312	.02200	9.5406	1.0	F
9010	18806.00	44 12N	88 0E	76.6	189.1	2.530	12.25	66.1	SO312	.02200	9.4746	1.0	A
9011	18811.80	43 49N	87 39E	74.6	189.0	2.530	4.55	66.2	SO312	.03070	9.7305	1.0	A
9012	18819.00	43 19N	87 36E	74.1	188.9	2.530	7.35	66.6	SO312	.03070	9.7882	0.6	A
9013	18830.00	42 13N	87 12E	74.4	188.8	2.738	3.50	67.4	SO312	.02200	9.7717	1.0	F
9014	18835.40	42 13N	87 12E	74.5	188.8	2.738	4.20	67.4	SO312	.02200	9.7305	0.8	A
9015	19314.80	9 8N	79 44E	86.2	186.6	3.439	-19.60	65.8	SO312	.04070	8.4760	0.4	V
9016	19318.00	9 7N	79 44E	87.0	186.6	3.439	-18.90	65.8	SO312	.03070	8.3027	0.4	A
1180 9001	24007.40	51 8N	66 42E	82.5	190.4	1.826	-27.30	60.2	SO312	.02200	8.7566	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1180 9002	24059.80	47 48N	67 39E	87.3	189.7	2.037	29.40	63.5	S0312	.02200	8.2862	0.4	A
9003	24164.80	40 9N	65 21E	87.0	188.6	2.390	28.35	69.1	S0312	.02200	8.3770	0.8	F
9004	24171.00	40 9N	65 21E	87.9	188.5	2.161	29.40	69.1	S0312	.02200	8.2367	0.8	A
1181 5001	29351.80	48 14N	45 53E	91.0	189.8	2.181	32.55	63.2	S0130	.02210	8.0311	0.4	F
5002	29362.40	47 42N	44 18E	74.4	189.7	2.530	-5.60	63.2	S0130	.02210	9.7644	0.6	F
5003	29371.00	47 39N	43 6E	90.4	189.6	2.181	-36.40	62.8	S0130	.02210	8.0889	0.6	A
5004	29377.00	47 11N	43 19E	82.9	189.5	2.390	-28.35	63.3	S0130	.02210	8.7904	0.4	A
5005	29386.80	46 8N	42 17E	101.4	189.4	1.690	-44.10	63.8	S0130	.01660	7.1149	0.6	F
5006	29395.40	45 41N	43 7E	78.5	189.3	2.390	-22.75	64.5	S0130	.02210	9.3600	0.6	V
5007	29404.80	45 7N	44 5E	77.2	189.2	2.390	12.95	65.4	S0130	.02210	9.4012	0.6	A
5008	29411.20	44 28N	44 4E	78.4	189.1	2.390	17.65	65.9	S0130	.02210	9.3662	0.6	V
9001	29243.20	56 3N	46 44E	77.5	191.7	1.826	-19.60	56.1	S0312	.03070	9.4581	0.6	V
9002	29344.00	48 48N	45 50E	85.8	190.0	2.181	27.30	62.7	S0312	.03070	8.5090	0.6	F
9003	29347.00	48 48N	45 49E	84.8	189.9	2.181	27.30	62.7	S0312	.03070	8.6823	0.6	V
9004	29419.40	43 49N	44 36E	93.9	189.0	2.037	36.05	66.7	S0312	.01650	7.8075	0.8	V
9005	29423.00	43 48N	44 36E	95.7	189.0	1.826	36.75	66.7	S0312	.01650	7.5517	0.6	A
9006	29429.00	43 9N	44 27E	95.2	188.9	2.037	37.10	67.2	S0312	.01650	7.7085	0.4	V
9007	29443.00	42 12N	42 29E	75.9	188.8	2.530	-13.30	67.1	S0312	.02200	9.5489	1.0	F
9008	29448.40	42 12N	42 29E	75.7	188.8	2.738	-12.60	67.1	S0312	.02200	9.5984	1.0	A
9009	29774.60	19 38N	37 11E	86.8	186.9	3.092	-28.35	71.5	S0312	.03070	8.4347	0.6	V
9010	29777.80	19 38N	37 11E	87.7	186.9	3.092	-28.00	71.5	S0312	.03070	8.2779	0.6	A
9011	30316.80	17 50S	31 5E	100.2	186.8	3.439	-6.30	42.9	S0312	.03070	7.1473	0.8	F
9012	30320.40	17 50S	31 4E	99.3	186.8	3.439	-5.95	42.9	S0312	.03070	7.2876	0.8	V
9013	30435.20	25 47S	28 15E	130.4	187.2	2.861	-37.45	34.9	S0312	.03070	5.4389	1.4	F
9014	30439.00	25 44S	28 16E	129.0	187.2	3.092	-37.10	35.0	S0312	.03070	5.5875	0.6	V
9015	30443.80	25 44S	28 16E	130.4	187.3	3.092	-36.75	35.0	S0312	.03070	5.4719	2.4	A
1182 9001	34150.00	81 10N	64 26E	79.1	227.4	0.438	0.35	31.2	S0312	.04070	9.2600	0.8	V
9002	34153.00	81 10N	64 24E	79.9	226.5	0.438	0.35	31.2	S0312	.04070	9.0620	0.8	A
9003	34358.40	68 29N	33 17E	76.5	198.1	1.338	0.35	44.8	S0312	.04070	9.4746	0.6	F
9004	34361.20	68 29N	33 17E	75.6	197.9	1.338	0.70	44.8	S0312	.04070	9.7057	0.6	V
9005	34365.40	68 0N	33 3E	76.7	197.7	1.338	3.85	45.2	S0312	.03070	9.4581	0.6	F
9006	34371.00	68 0N	33 2E	76.6	197.4	1.338	4.20	45.3	S0312	.03070	9.4664	0.6	A
9007	34379.00	67 27N	32 47E	77.3	197.0	1.338	8.40	45.8	S0312	.04070	9.3838	0.4	A
9008	34473.00	60 44N	28 47E	82.5	193.5	1.826	22.05	52.2	S0312	.03070	8.8226	1.0	F
9009	34476.20	60 43N	28 46E	81.5	193.4	1.826	22.05	52.2	S0312	.03070	9.0207	0.6	V
9010	34481.40	60 20N	28 52E	85.8	193.3	1.690	28.00	52.6	S0312	.03070	8.5585	0.6	V
9011	34484.60	60 20N	28 51E	86.8	193.2	1.690	28.00	52.6	S0312	.03070	8.3357	0.6	A
9012	34489.60	59 47N	28 28E	84.3	193.0	1.690	26.25	53.1	S0312	.03070	8.7153	0.6	V
9013	34492.80	59 47N	28 28E	85.6	193.0	1.690	26.60	53.1	S0312	.03070	8.4678	0.6	A
9014	34500.40	58 51N	28 3E	86.5	192.8	1.826	27.65	53.9	S0312	.03070	8.4265	1.0	F
9015	34503.40	58 51N	28 2E	85.5	192.7	1.826	27.65	53.9	S0312	.03070	8.6081	1.0	V
9016	34511.60	58 25N	26 47E	74.9	192.5	2.037	6.30	54.2	S0312	.04070	9.8130	0.6	V
9017	34514.40	58 25N	26 47E	75.8	192.4	2.037	6.65	54.2	S0312	.04070	9.5737	0.6	A
9018	34520.60	57 51N	26 13E	74.0	192.3	2.037	-0.35	54.7	S0312	.04070	9.9203	0.4	V
9019	34523.20	57 51N	26 14E	74.9	192.2	2.037	0.00	54.6	S0312	.04070	9.6892	0.6	A
9020	34532.80	56 48N	26 5E	75.9	192.0	2.037	7.70	55.6	S0312	.03070	9.5737	0.4	F
9021	34538.20	56 48N	26 4E	75.9	191.9	2.037	8.05	55.6	S0312	.03070	9.5489	0.6	A
9022	34544.20	56 22N	26 12E	78.5	191.7	2.037	15.75	56.1	S0312	.03070	9.2270	0.6	A
9023	34557.00	55 16N	24 18E	78.6	191.5	1.826	-19.95	56.8	S0312	.03070	9.2165	0.4	F
9024	34561.40	54 59N	24 7E	79.4	191.4	1.826	-21.70	57.0	S0312	.03070	9.1115	0.6	F
9025	34565.60	54 54N	23 54E	80.6	191.3	1.826	-25.55	57.0	S0312	.03070	9.0950	0.6	V
9026	34568.40	54 55N	23 54E	81.5	191.3	2.037	-25.55	57.0	S0312	.03070	8.9299	0.8	A
9027	34579.80	53 57N	25 11E	78.6	191.0	2.037	16.45	56.2	S0312	.03070	9.2188	0.4	A
9028	34587.80	52 56N	25 22E	81.2	190.9	2.037	29.05	59.2	S0312	.03070	8.3357	0.4	F
9029	34592.00	52 42N	24 56E	81.6	190.8	2.037	22.05	59.3	S0312	.03070	8.9134	0.6	F
9030	34594.80	52 43N	24 56E	80.9	190.8	2.037	22.40	59.3	S0312	.03070	9.0702	0.6	V
9031	34596.80	52 35N	24 53E	80.9	190.7	2.037	22.40	59.4	S0312	.03070	9.0785	0.6	V
9032	34599.80	52 35N	24 53E	82.1	190.7	2.037	22.75	59.4	S0312	.03070	8.8144	0.6	A
9033	34605.00	52 15N	24 22E	77.0	190.6	2.181	12.60	59.6	S0312	.03070	9.4251	0.6	A
9034	34611.40	51 40N	23 53E	74.1	190.5	2.181	5.25	60.1	S0312	.03070	9.9120	0.4	V
9035	34614.20	51 39N	23 53E	75.0	190.5	2.181	5.60	60.1	S0312	.03070	9.8644	0.4	A
9036	34627.80	50 16N	24 6E	82.8	190.3	2.181	23.80	61.4	S0312	.03070	8.7979	0.4	F
9037	34630.60	50 16N	24 6E	82.1	190.2	2.181	24.15	61.4	S0312	.03070	8.9547	0.4	V
9038	34634.00	49 50N	24 3E	84.6	190.2	2.181	26.25	61.8	S0312	.03070	8.6163	0.8	F
9039	34637.20	49 36N	23 59E	84.9	190.1	2.181	26.60	62.0	S0312	.03070	8.5833	0.4	F
9040	34640.20	49 36N	23 58E	83.9	190.1	2.181	26.60	62.0	S0312	.03070	8.7649	0.4	V
9041	34643.60	49 23N	23 47E	82.0	190.0	2.181	24.15	62.1	S0312	.03070	8.9624	0.8	V
9042	34646.60	49 23N	23 47E	83.3	190.0	2.181	24.50	62.1	S0312	.03070	8.6988	0.8	A
9043	34656.80	48 37N	22 22E	73.9	189.8	2.390	-8.75	62.4	S0312	.03070	9.9450	0.6	V
9044	34659.60	48 37N	22 22E	74.7	189.8	2.390	-8.40	62.4	S0312	.03070	9.7222	0.4	A
9045	34664.80	48 13N	22 38E	74.7	189.7	2.390	3.50	62.9	S0312	.03070	9.7140	0.4	A
9046	34670.00	47 49N	22 54E	78.0	189.7	2.390	15.05	63.3	S0312	.03070	9.2848	1.0	A
9047	34682.00	47 4N	21 58E	74.5	189.5	2.530	-5.95	63.7	S0312	.03070	9.7470	1.0	A
9048	34688.40	46 27N	21 50E	73.5	189.4	2.530	-4.55	64.2	S0312	.03070	9.9946	0.6	V
9049	34691.20	46 26N	21 50E	74.4	189.4	2.530	-4.20	64.2	S0312	.03070	9.7635	0.6	A
9050	34698.60	45 43N	21 55E	74.1	189.3	2.530	4.90	64.8	S0312	.03070	9.9203	0.4	V
9051	34701.40	45 43N	21 55E	75.0	189.3	2.530	5.25	64.8	S0312	.03070	9.6644	0.8	A
9052	34706.40	45 22N	21 54E	75.6	189.2	2.530	8.05	65.1	S0312	.03070	9.5984	1.2	A
9053	34712.00	44 47N	21 45E	74.7	189.2	2.530	8.40	65.6	S0312	.03070	9.8460	0.4	V
9054	34720.40	43 55N	22 15E	87.9	189.1	2.390	29.40	66.5	S0312	.03070	8.2944	0.4	F
9055	34723.60	43 54N	22 16E	87.3	189.1	2.181	30.10	66.5	S0312	.03070	8.4265	0.4	V
9056	34729.40	43 19N	21 58E	85.2	189.0	2.390	26.60	66.9	S0312	.03070	8.5503	0.6	F
9057	34732.40	43 19N	21 57E	84.4	189.0	2.181	26.95	66.9	S0312	.03070	8.7153	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1182 9058	34736.80	43 0N	21 59E	87.0	188.9	2.181	29.75	67.2	SO312	.03070	8.4595	0.6	V
9059	34740.00	43 0N	21 59E	88.4	188.9	2.181	30.10	67.2	SO312	.03070	8.1871	0.6	A
9060	34743.20	42 34N	21 55E	88.3	188.9	2.181	31.15	67.5	SO312	.03070	8.3274	0.4	V
9061	34746.40	42 34N	21 55E	89.8	188.8	2.181	31.50	67.5	SO312	.03070	8.0634	0.6	A
9062	34757.80	41 42N	20 26E	73.5	188.7	2.738	-7.00	67.6	SO312	.03070	9.9863	0.6	V
9063	34760.60	41 42N	20 26E	74.4	188.7	2.738	-6.65	67.6	SO312	.03070	9.7552	0.4	A
9064	34767.00	41 6N	20 4E	75.2	188.6	2.738	-14.00	67.9	SO312	.03070	9.7635	0.6	V
9065	34775.40	40 22N	19 26E	83.2	188.6	2.390	-28.35	68.1	SO312	.04070	8.6906	1.2	F
9066	34781.40	40 22N	19 26E	82.7	188.5	2.530	-27.65	68.1	SO312	.04070	8.7814	1.0	A
9067	34799.20	38 57N	20 54E	89.9	188.4	2.181	31.15	69.9	SO312	.02200	8.0386	1.0	A
9068	35183.40	12 7N	15 3E	91.4	186.7	2.881	23.10	68.7	SO312	.02200	7.9561	0.4	F
9069	35186.40	12 9N	15 2E	90.2	186.7	2.881	22.75	68.7	SO312	.03070	8.1129	0.4	V
9070	35190.00	12 8N	15 4E	92.6	186.7	2.881	24.15	68.7	SO312	.02200	7.7580	0.6	A
9071	35429.80	4 46S	11 50E	95.0	186.5	3.232	12.25	55.1	SO312	.04070	7.6012	0.6	F
9072	35433.20	4 46S	11 50E	94.4	186.5	3.232	12.95	55.1	SO312	.04070	7.7002	0.4	V
9073	35439.40	5 32S	12 17E	110.2	186.5	2.881	30.10	54.7	SO312	.02200	6.5696	1.2	F
9074	35441.40	5 40S	12 16E	110.2	186.5	2.881	30.10	54.6	SO312	.02200	6.5696	0.8	F
9075	35447.40	5 31S	12 17E	111.7	186.5	2.530	31.15	54.7	SO312	.02200	6.3797	1.4	A
9076	35449.40	5 40S	12 15E	111.8	186.5	2.530	31.15	54.6	SO312	.02200	6.3797	0.8	A
1183 9001	40013.00	44 53N	0 41W	74.3	189.2	2.530	-3.85	65.3	SO312	.03070	9.7552	0.6	F
9002	40018.40	44 52N	0 41W	74.4	189.2	2.530	-3.15	65.4	SO312	.03070	9.7552	0.6	A
9003	40486.40	12 33N	7 56W	82.5	188.7	3.439	-14.70	68.2	SO312	.03070	8.8639	0.8	V
9004	40489.40	12 33N	7 57W	83.5	188.7	3.439	-14.35	68.2	SO312	.03070	8.6493	0.8	A
1184 9001	45021.00	65 17N	13 58W	76.0	195.6	1.484	-6.30	47.8	SO312	.04070	9.5571	0.6	A
1185 9001	51198.00	5 16N	52 45W	87.5	186.5	3.232	12.25	63.5	SO312	.03070	8.3357	1.0	V
9002	51201.20	5 17N	52 45W	88.9	186.5	3.232	12.60	63.5	SO312	.03070	8.0716	1.0	A
9003	51218.80	3 39N	53 12W	87.0	186.5	3.439	5.25	62.1	SO312	.03070	8.3109	0.8	F
9004	51639.60	25 15S	57 36W	121.2	187.2	2.530	25.90	36.5	SO312	.03070	5.9176	1.2	F
9005	51644.40	25 16S	57 36W	120.6	187.2	2.530	26.25	36.5	SO312	.03070	5.9836	0.6	V
9006	51648.60	25 15S	57 43W	119.6	187.2	2.530	23.80	36.5	SO312	.03070	5.9176	1.4	A
9007	51665.80	26 24S	57 56W	120.5	187.3	2.390	23.80	35.4	SO312	.03070	5.8598	1.0	A
9008	51673.00	27 24S	58 45W	109.6	187.3	3.092	6.65	34.2	SO312	.03070	6.5283	1.4	F
9009	51681.60	27 25S	59 2W	108.7	187.3	3.232	-0.35	34.0	SO312	.03070	6.5200	1.0	A
9010	51696.40	29 10S	58 4W	132.3	187.4	2.181	31.50	32.9	SO312	.03070	5.3976	1.4	F
9011	51706.00	29 4S	59 13W	110.9	187.5	3.092	4.20	32.5	SO312	.03070	6.3880	0.8	A
9012	51739.40	31 58S	59 12W	120.2	187.6	2.530	18.90	30.0	SO312	.03070	5.9341	0.8	F
9013	51746.40	31 49S	59 32W	115.6	187.7	2.738	10.85	30.0	SO312	.03070	6.1156	0.8	A
9014	51757.20	33 12S	59 15W	125.7	187.7	2.390	23.45	28.9	SO312	.03070	5.6782	1.4	F
9015	51762.20	33 33S	59 15W	127.6	187.8	2.390	24.85	28.6	SO312	.03070	5.5957	1.4	F
9016	51767.80	33 57S	59 12W	131.3	187.8	2.181	27.65	28.3	SO312	.03070	5.4472	0.6	F
9017	51772.40	33 56S	59 11W	130.6	187.8	2.181	28.00	28.3	SO312	.03070	5.5049	0.8	V
9018	51780.40	34 28S	59 21W	130.0	187.9	2.037	27.30	27.8	SO312	.03070	5.5214	0.8	V
9019	51788.00	34 39S	59 27W	130.8	187.9	2.037	26.25	27.6	SO312	.03070	5.3811	0.8	A
9020	51803.80	35 48S	61 50W	121.8	188.0	3.092	-23.45	25.7	SO312	.04070	5.8928	1.0	V
9021	51817.40	36 58S	59 44W	135.5	188.1	1.826	29.75	25.4	SO312	.03070	5.2986	0.6	V
9022	51822.60	36 59S	59 45W	137.9	188.2	1.690	30.10	25.4	SO312	.03070	5.0923	0.6	A
9023	51844.20	38 51S	62 5W	119.1	188.3	2.881	-11.90	22.9	SO312	.05390	5.9588	1.0	F
9024	51848.40	38 51S	62 5W	117.9	188.4	2.881	-11.55	22.9	SO312	.05390	6.0826	1.0	V
1186 9001	55182.60	81 7N	64 31E	83.7	314.8	-0.414	-5.95	19.5	SO312	.05390	8.6328	1.0	F
9002	55188.60	81 7N	64 33E	83.6	312.9	-0.414	-6.30	19.5	SO312	.05390	8.6493	1.0	A
9003	56504.60	4 60N	74 54W	87.5	186.5	3.232	11.90	63.2	SO312	.03070	8.3440	0.6	V
9004	56510.00	4 27N	75 14W	85.6	186.5	3.439	1.75	62.6	SO312	.03070	8.4595	0.4	F
9005	56516.40	4 23N	74 59W	89.3	186.5	3.232	12.95	62.8	SO312	.03070	8.0468	0.8	A
9006	56530.60	3 12N	75 8W	89.8	186.5	3.092	15.05	61.9	SO312	.03070	8.1211	0.6	V
9007	56537.00	3 0N	75 17W	89.4	186.5	3.232	10.85	61.6	SO312	.03070	8.0386	1.4	A
9008	56553.20	1 40N	75 32W	88.5	186.5	3.232	9.45	60.5	SO312	.03070	8.2449	1.4	V
9009	56557.60	1 35N	75 31W	90.5	186.5	3.232	11.55	60.5	SO312	.03070	7.9231	1.2	A
9010	56752.40	12 4S	76 60W	121.6	186.7	2.181	35.70	48.9	SO312	.02200	5.9753	0.4	V
9011	56757.00	12 4S	76 60W	124.1	186.7	2.181	36.05	48.9	SO312	.02200	5.7360	0.4	A
1187 9001	61611.80	18 28N	95 13W	79.8	186.9	3.232	-13.65	71.4	SO312	.03070	9.1775	0.6	V
9002	61614.60	18 28N	95 13W	80.7	186.8	3.439	-13.30	71.4	SO312	.03070	8.9794	0.6	A
1188 9001	66702.20	32 44N	113 57W	76.2	187.8	3.092	4.55	72.5	SO312	.02200	9.5324	0.8	F
9002	66707.80	32 43N	113 57W	76.6	187.7	2.881	5.95	72.5	SO312	.02200	9.4581	0.6	A
1193 9001	6551.19	53 11N	140 45E	74.6	190.9	2.181	-9.80	58.6	SO312	.04070	9.8543	1.0	V
9002	6554.39	53 9N	140 44E	75.3	190.8	2.181	-9.45	58.6	SO312	.04070	9.6397	0.6	A
9003	6805.19	35 26N	136 53E	89.9	188.0	2.530	30.45	71.9	SO312	.02200	8.1211	1.2	F
9004	6811.59	35 27N	136 53E	90.8	188.0	2.181	31.50	71.9	SO312	.02200	7.9643	1.4	A
1194 9001	11582.59	71 45N	128 57E	90.5	201.1	0.636	-30.80	41.5	SO312	.03070	7.9808	1.2	F
9002	11585.99	71 44N	128 57E	89.1	200.8	0.636	-30.45	41.5	SO312	.03070	8.2284	1.0	V
9003	12054.19	39 47N	116 3E	93.7	188.5	2.181	35.35	69.5	SO312	.02200	7.8488	1.0	V
9004	12057.59	39 47N	116 3E	95.3	188.5	2.181	35.70	69.5	SO312	.02200	7.5847	1.0	A
9005	12063.99	38 58N	115 18E	81.6	188.4	2.738	20.65	69.7	SO312	.02200	8.9217	1.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1194 9006	12070.59	38 57N	114 57E	76.7	188.4	2.738	10.85	69.5	SO312	.03070	9.4416	0.8	A
9007	12078.59	38 4N	114 23E	74.8	188.3	2.881	-2.45	69.9	SO312	.03070	9.7057	0.6	F
9008	12081.19	38 4N	114 23E	74.0	188.3	2.881	-2.10	69.9	SO312	.03070	9.9285	0.8	V
9009	12086.79	37 53N	114 13E	74.5	188.2	2.881	-6.30	69.9	SO312	.03070	9.7470	0.8	A
9010	12100.19	36 55N	114 25E	76.8	188.1	2.738	9.45	70.7	SO312	.03070	9.4334	0.6	A
9011	12111.19	36 7N	112 51E	89.2	188.0	2.530	-36.40	70.2	SO312	.02200	8.2449	1.4	V
9012	12119.99	35 29N	112 59E	82.6	188.0	2.738	-29.05	70.7	SO312	.03070	8.8804	0.8	V
9013	12122.99	35 29N	112 59E	83.4	188.0	2.738	-28.70	70.7	SO312	.03070	8.7236	0.8	A
9014	12128.99	34 38N	113 15E	76.5	187.9	2.881	-14.35	71.4	SO312	.03070	9.4664	0.8	F
9015	12133.79	34 31N	113 2E	78.0	187.9	2.881	-20.65	71.3	SO312	.02200	9.4003	1.0	V
9016	12142.99	34 2N	113 12E	76.1	187.8	3.092	-10.85	71.7	SO312	.02200	9.5406	0.8	A
9017	12305.99	22 46N	111 37E	84.2	187.1	2.881	18.90	73.5	SO312	.03070	8.5750	0.8	A
9018	12320.39	21 29N	110 10E	86.8	187.0	3.092	-28.35	72.1	SO312	.03070	8.3274	0.8	F
9019	12324.19	21 25N	110 12E	84.5	187.0	3.092	-26.25	72.1	SO312	.02200	8.6741	0.8	V
9020	12327.19	21 26N	110 12E	85.4	187.0	3.092	-25.90	72.2	SO312	.02200	8.5008	1.0	A
9021	12363.59	18 28N	110 5E	80.0	186.9	3.439	-10.85	71.5	SO312	.03070	9.0455	1.0	F
9022	12369.99	18 15N	109 43E	83.5	186.9	3.232	-22.75	71.1	SO312	.03070	8.7649	1.0	V
9023	12373.19	18 15N	109 42E	84.5	186.8	3.439	-22.75	71.1	SO312	.03070	8.5750	1.0	A
9024	12434.19	13 48N	109 11E	81.2	186.7	3.439	-11.55	69.0	SO312	.03070	9.0124	0.8	V
9025	12437.19	13 48N	109 11E	82.2	186.7	3.439	-11.20	69.0	SO312	.03070	8.7979	0.8	A
9026	12717.59	6 3S	106 53E	109.0	186.5	2.738	29.05	54.2	SO312	.02200	6.6273	2.0	F
9027	12720.59	6 15S	106 50E	109.2	186.5	2.738	29.05	54.1	SO312	.02200	6.6191	1.6	F
9028	12725.59	6 3S	106 53E	111.2	186.5	2.530	30.45	54.3	SO312	.02200	6.4128	1.8	A
9029	12728.59	6 15S	106 51E	111.4	186.6	2.530	30.45	54.1	SO312	.02200	6.4045	2.0	A
1195 9001	17129.19	56 15N	96 33E	89.5	191.6	1.690	-34.65	55.7	SO312	.02200	8.1211	1.2	A
1196 9001	22234.59	69 27N	86 14E	84.2	198.7	1.135	22.05	43.8	SO312	.04070	8.6163	1.0	A
9002	22455.39	54 60N	74 10E	85.7	191.3	1.826	-30.80	56.9	SO312	.02200	8.4843	1.0	A
9003	22525.99	49 53N	73 13E	74.2	190.1	2.390	-10.50	61.3	SO312	.03070	9.9038	0.6	V
9004	22528.79	49 53N	73 13E	75.0	190.1	2.390	-10.15	61.3	SO312	.03070	9.6974	0.8	A
9005	22571.79	46 29N	72 53E	76.7	189.5	2.530	11.90	64.3	SO312	.03070	9.4829	2.0	F
9006	22577.39	46 29N	72 53E	77.0	189.4	2.530	12.60	64.3	SO312	.03070	9.4168	1.8	A
9007	22583.99	45 40N	72 35E	76.2	189.4	2.530	10.15	64.9	SO312	.03070	9.5571	0.8	F
9008	22586.79	45 39N	72 34E	75.4	189.3	2.530	10.50	64.9	SO312	.03070	9.7470	0.8	V
9009	22589.79	45 38N	72 34E	76.4	189.3	2.530	10.85	64.9	SO312	.03070	9.4911	0.8	A
9010	22620.99	43 10S	71 38E	74.7	188.9	2.738	2.80	66.6	SO312	.03070	9.7305	0.6	F
9011	22625.59	42 52N	71 18E	74.3	188.9	2.738	-5.25	66.7	SO312	.02200	9.7635	0.6	F
9012	22628.19	42 53N	71 18E	73.5	188.9	2.738	-4.90	66.7	SO312	.03070	10.0028	0.6	V
9013	22633.19	42 45N	70 57E	76.0	188.8	2.738	-15.40	66.7	SO312	.03070	9.5654	0.6	A
9014	22650.39	41 28N	71 44E	81.1	188.7	2.390	22.05	68.1	SO312	.03070	8.9217	0.8	A
9015	22659.39	40 24N	71 46E	88.4	188.6	2.530	29.75	68.9	SO312	.02200	8.2614	1.0	F
9016	22662.59	40 23N	71 46E	87.7	188.6	2.530	30.10	69.0	SO312	.02200	8.3852	1.0	V
9017	22668.99	40 12N	71 19E	80.5	188.5	2.530	19.95	68.9	SO312	.03070	9.0042	0.8	A
9018	22745.99	34 36N	69 23E	74.5	187.9	2.881	-0.70	71.6	SO312	.02200	9.7552	1.2	F
9019	22751.19	34 36N	69 23E	74.7	187.9	2.881	0.35	71.6	SO312	.02200	9.7140	1.4	A
9020	22887.59	24 53N	66 59E	78.9	187.2	3.232	-14.00	73.1	SO312	.04070	9.1775	1.8	F
9021	22892.99	24 54N	66 60E	78.8	187.2	3.232	-12.95	73.2	SO312	.04070	9.1940	2.2	A
1197 5001	27686.59	59 28N	56 47E	87.2	193.0	1.826	28.00	53.3	SO130	.02210	8.3612	1.4	F
5002	27692.99	59 27N	56 46E	87.5	192.8	1.690	28.35	53.3	SO130	.02210	8.3035	1.4	A
5003	27792.59	52 52N	52 14E	75.1	190.7	2.181	-7.35	58.9	SO130	.02210	9.6984	1.2	A
9001	27538.39	69 49N	61 37E	80.2	199.0	1.135	-18.90	43.4	SO312	.03070	9.1362	1.0	V
9002	27541.59	69 48N	61 36E	81.0	198.8	1.135	-18.55	43.4	SO312	.03070	8.9629	0.8	A
9003	27686.59	59 27N	56 47E	87.2	193.0	1.826	28.00	53.3	SO312	.03070	8.3605	1.2	F
9004	27692.79	59 28N	56 46E	87.4	192.8	1.690	28.35	53.3	SO312	.03070	8.3027	1.4	A
9005	27707.19	58 3N	56 13E	90.1	192.5	1.826	31.15	54.6	SO312	.03070	8.0964	0.6	F
9006	27711.19	58 1N	55 55E	84.8	192.4	1.826	26.60	54.6	SO312	.03070	8.6823	1.0	V
9007	27714.39	58 1N	55 54E	85.8	192.3	1.826	26.60	54.6	SO312	.03070	8.4595	1.0	A
9008	27717.99	57 47N	55 43E	84.8	192.2	1.826	25.55	54.8	SO312	.03070	8.5585	0.6	A
9009	27718.99	57 43N	55 41E	84.8	192.2	1.826	25.55	54.9	SO312	.03070	8.5503	0.8	A
9010	27727.39	57 5N	54 10E	74.2	192.0	2.037	-2.45	55.3	SO312	.04070	9.9038	0.6	V
9011	27730.19	57 4N	54 10E	75.0	191.9	2.037	-2.10	55.3	SO312	.04070	9.6809	0.8	A
9012	27735.99	56 30N	53 48E	74.2	191.8	2.037	-5.25	55.8	SO312	.04070	9.9038	0.6	V
9013	27738.79	56 30N	53 48E	75.0	191.8	2.037	-4.90	55.8	SO312	.04070	9.6892	0.6	A
9014	27760.99	54 53N	52 27E	78.6	191.3	2.037	-21.70	57.0	SO312	.03070	9.3426	1.2	V
9015	27803.39	51 42N	52 19E	75.3	190.6	2.390	5.95	60.0	SO312	.03070	9.6479	1.4	F
9016	27808.99	51 41N	52 19E	75.5	190.5	2.181	7.00	60.0	SO312	.03070	9.6149	1.4	A
9017	27854.39	48 34N	49 45E	87.5	189.8	2.037	-34.30	62.1	SO312	.03070	8.3935	1.2	V
9018	27857.79	48 33N	49 45E	88.2	189.8	2.037	-33.95	62.1	SO312	.03070	8.2614	1.2	A
9019	27965.79	40 55N	47 49E	84.5	188.6	2.390	-31.50	67.6	SO312	.03070	8.6906	1.0	V
9020	27968.99	40 54N	47 49E	85.2	188.6	2.390	-31.15	67.6	SO312	.03070	8.5420	1.0	A
9021	27989.59	39 9N	48 35E	75.3	188.4	2.738	7.70	69.4	SO312	.03070	9.7552	1.0	V
9022	28057.79	34 20N	47 5E	74.8	187.9	2.881	-5.25	71.7	SO312	.03070	9.7057	0.8	F
9023	28060.59	34 19N	47 5E	73.9	187.9	2.881	-4.90	71.7	SO312	.03070	9.9368	0.8	V
9024	28087.79	32 32N	45 49E	88.1	187.7	2.530	-33.95	71.7	SO312	.03070	8.3109	0.8	V
9025	28090.99	32 33N	45 49E	89.0	187.7	2.738	-33.95	71.7	SO312	.02200	8.1706	1.0	A
9026	28108.59	31 2N	46 11E	76.1	187.6	3.092	-11.90	72.7	SO312	.03070	9.6479	0.8	V
9027	28111.59	31 1N	46 10E	77.0	187.6	3.092	-11.55	72.7	SO312	.03070	9.4251	0.8	A
9028	28308.99	17 1N	43 45E	79.0	186.8	3.439	1.05	71.0	SO312	.03070	9.1775	1.2	F
9029	28314.59	17 1N	43 45E	79.4	186.8	3.232	2.45	71.1	SO312	.03070	9.0950	1.4	A
9030	28328.79	15 32N	44 13E	93.6	186.8	2.738	28.70	70.9	SO312	.01650	7.7745	1.4	F
9031	28330.59	15 24N	44 12E	93.6	186.8	2.738	28.70	70.8	SO312	.01650	7.7745	0.8	F
9032	28335.59	15 32N	44 13E	94.8	186.8	2.530	29.75	70.9	SO312	.01650	7.5929	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1197 9033	28337.39	15 24N	44 12E	94.8	186.7	2.530	29.75	70.9	SO312	.01650	7.5929	0.8	A
9034	28360.19	13 24N	43 36E	89.3	186.7	3.092	20.65	69.5	SO312	.03070	8.1376	1.0	F
9035	28363.39	13 24N	43 36E	88.5	186.7	2.881	21.00	69.5	SO312	.03070	8.2697	1.0	V
9036	28373.19	13 2N	42 45E	82.5	186.7	3.587	-9.45	68.6	SO312	.04070	8.7566	0.8	A
9037	28416.39	9 40N	41 52E	87.0	186.6	3.439	-21.35	66.1	SO312	.03070	8.2944	1.0	F
9038	28422.59	9 40N	41 52E	86.7	186.6	3.587	-20.30	66.2	SO312	.03070	8.3274	1.0	A
9039	28601.79	2 55S	40 13E	89.8	186.5	3.439	1.05	56.5	SO312	.03070	8.1046	0.8	V
9040	28605.19	2 55S	40 13E	91.1	186.5	3.439	1.40	56.5	SO312	.03070	7.8653	0.8	A
9041	28660.79	6 54S	39 3E	94.6	186.6	3.587	-16.45	52.8	SO312	.03070	7.6837	1.4	V
9042	28664.39	6 54S	39 2E	95.8	186.6	3.587	-16.10	52.8	SO312	.03070	7.4939	1.8	A
1198 5001	33069.79	54 46N	32 5E	82.7	191.3	1.826	23.10	57.5	SO130	.02210	8.7987	0.8	A
5002	33109.19	52 10N	30 15E	75.0	190.6	2.181	3.15	59.6	SO130	.02210	9.6901	1.6	A
5003	33128.79	50 57N	28 47E	81.1	190.3	2.181	-25.20	60.3	SO130	.02210	8.9720	1.0	A
5004	33145.59	49 37N	30 14E	85.4	190.0	2.037	26.95	61.9	SO130	.02210	8.4850	0.8	A
5005	33157.19	48 55N	28 57E	74.5	189.9	2.390	-1.75	62.2	SO130	.02210	9.7727	1.0	A
5006	33189.19	46 27N	29 3E	81.8	189.5	2.181	23.45	64.4	SO130	.02210	8.9968	0.8	V
9001	32661.59	81 12N	64 31E	89.3	224.5	0.292	-27.30	31.5	SO312	.03070	8.1954	1.2	V
9002	32664.99	81 11N	64 29E	90.3	223.5	0.292	-27.30	31.5	SO312	.03070	8.0138	1.2	A
9003	32865.79	68 7N	39 33E	77.5	197.8	1.338	5.95	45.1	SO312	.04070	9.3591	1.4	F
9004	32871.39	68 7N	39 32E	77.5	197.5	1.338	6.30	45.1	SO312	.04070	9.3673	1.4	A
9005	32913.99	65 4N	35 44E	79.3	195.6	1.338	-17.15	47.9	SO312	.05390	9.1362	1.0	F
9006	32919.59	65 4N	35 45E	79.0	195.4	1.484	-16.80	47.9	SO312	.05390	9.1858	1.2	A
9007	32975.19	60 51N	34 14E	75.9	193.5	1.826	3.85	51.9	SO312	.04070	9.5654	0.6	F
9008	32980.59	60 44N	33 35E	75.1	193.4	1.826	-8.40	52.0	SO312	.04070	9.7717	0.6	V
9009	32983.39	60 44N	33 35E	75.9	193.3	1.826	-8.05	52.0	SO312	.04070	9.5654	0.8	A
9010	32991.79	59 46N	33 26E	75.4	193.0	1.826	-0.70	52.9	SO312	.04070	9.6232	0.8	F
9011	32994.59	59 45N	33 25E	74.5	193.0	1.826	-0.70	52.9	SO312	.04070	9.8625	0.6	V
9012	32997.39	59 45N	33 25E	75.3	192.9	1.826	-0.35	52.9	SO312	.04070	9.6314	0.8	A
9013	33009.59	58 24N	33 56E	84.5	192.6	2.037	24.85	54.3	SO312	.03070	8.6081	0.8	F
9014	33017.99	57 57N	32 56E	76.4	192.4	2.037	8.75	54.6	SO312	.04070	9.5076	0.8	F
9015	33019.39	57 51N	32 53E	76.4	192.3	2.037	8.75	54.7	SO312	.04070	9.5076	1.4	F
9016	33024.39	57 54N	32 42E	75.5	192.2	2.037	4.20	54.6	SO312	.04070	9.6149	0.6	A
9017	33025.39	57 50N	32 40E	75.5	192.2	2.037	4.20	54.6	SO312	.04070	9.6149	0.8	A
9018	33029.39	57 22N	32 33E	74.9	192.1	2.037	6.30	55.1	SO312	.04070	9.8047	0.6	V
9019	33032.19	57 22N	32 33E	75.8	192.0	2.037	6.65	55.1	SO312	.04070	9.5654	0.6	A
9020	33043.79	56 27N	31 37E	74.2	191.8	2.037	-6.30	55.8	SO312	.04070	9.8955	0.8	V
9021	33046.79	56 26N	31 37E	75.0	191.7	2.037	-5.95	55.8	SO312	.04070	9.6809	0.8	A
9022	33053.59	55 36N	31 18E	75.1	191.6	2.037	-5.60	56.5	SO312	.03070	9.6644	0.8	F
9023	33062.59	54 52N	32 3E	81.2	191.4	2.037	20.65	57.4	SO312	.03070	8.9629	1.0	F
9024	33065.59	54 51N	32 3E	80.4	191.4	2.037	21.00	57.4	SO312	.03070	9.1362	1.2	V
9025	33075.19	54 22N	32 23E	90.8	191.2	1.690	32.55	57.9	SO312	.03070	7.9643	1.2	A
9026	33090.59	53 11N	29 16E	86.3	190.9	1.690	-31.50	58.4	SO312	.03070	8.3770	1.0	F
9027	33093.59	53 11N	29 15E	85.3	190.8	1.690	-31.50	58.4	SO312	.03070	8.6081	1.0	V
9028	33101.99	52 30N	30 5E	73.8	190.7	2.181	-5.25	59.2	SO312	.03070	9.9533	0.6	V
9029	33104.79	52 29N	30 5E	74.7	190.7	2.181	-4.90	59.2	SO312	.03070	9.7305	0.4	A
9030	33109.19	52 10N	30 15E	74.9	190.6	2.181	3.15	59.6	SO312	.03070	9.6892	1.2	A
9031	33114.19	51 26N	30 7E	75.3	190.5	2.390	5.95	60.2	SO312	.03070	9.6397	1.2	F
9032	33115.79	51 20N	30 4E	75.3	190.5	2.390	5.95	60.3	SO312	.03070	9.6397	0.6	F
9033	33118.59	51 19N	30 4E	74.5	190.4	2.181	6.30	60.3	SO312	.03070	9.8625	1.0	V
9034	33133.39	50 13N	28 46E	78.2	190.2	2.181	-19.95	61.0	SO312	.03070	9.2435	1.6	F
9035	33164.79	48 9N	29 9E	75.7	189.8	2.390	11.20	62.9	SO312	.03070	9.7057	1.0	V
9036	33167.99	48 8N	29 9E	76.7	189.7	2.390	11.55	63.0	SO312	.03070	9.4499	0.8	A
9037	33177.39	47 7N	28 45E	75.9	189.6	2.530	8.40	63.7	SO312	.04070	9.5819	1.0	F
9038	33182.99	47 7N	28 44E	76.0	189.5	2.390	9.10	63.8	SO312	.04070	9.5324	1.2	A
9039	33194.59	46 16N	29 12E	87.3	189.4	2.037	29.05	64.7	SO312	.03070	8.2779	0.8	A
9040	33202.59	45 26N	28 1E	74.7	189.3	2.530	2.10	65.0	SO312	.03070	9.7222	0.6	F
9041	33211.79	44 53N	28 43E	84.8	189.2	2.181	27.30	65.7	SO312	.03070	8.6741	1.0	V
9042	33215.99	44 24N	28 29E	84.0	189.2	2.390	24.85	66.0	SO312	.03070	8.6658	1.2	F
9043	33223.79	44 3N	28 29E	85.2	189.1	2.181	27.65	66.3	SO312	.03070	8.6328	1.0	V
9044	33226.99	44 3N	28 29E	86.5	189.0	2.181	28.00	66.3	SO312	.03070	8.3687	1.0	A
9045	33233.59	43 14N	27 56E	80.2	189.0	2.390	18.90	66.8	SO312	.04070	9.0785	0.8	F
9046	33236.39	43 14N	27 56E	79.5	188.9	2.390	19.25	66.8	SO312	.04070	9.2435	0.8	V
9047	33238.39	43 6N	27 53E	79.4	188.9	2.390	19.25	66.9	SO312	.03070	9.2518	0.6	V
9048	33241.19	43 6N	27 53E	80.6	188.9	2.390	19.60	66.9	SO312	.01650	8.9794	0.8	A
9049	33253.39	42 1N	26 20E	78.8	188.8	2.530	-22.05	67.1	SO312	.03070	9.1858	0.8	F
9050	33256.19	42 1N	26 20E	77.8	188.8	2.530	-21.70	67.1	SO312	.03070	9.4416	0.8	V
9051	33269.79	40 54N	25 53E	82.1	188.6	2.390	-26.60	67.7	SO312	.03070	8.8144	1.6	F
9052	33408.19	31 24N	25 24E	91.8	187.6	2.390	32.20	73.5	SO312	.02200	7.9973	1.0	V
9053	33411.79	31 23N	25 25E	93.6	187.6	2.181	32.90	73.6	SO312	.02200	7.7167	1.0	A
9054	34005.79	9 29S	16 20E	97.9	186.6	3.439	-20.65	50.4	SO312	.03070	7.4196	1.0	V
9055	34009.39	9 29S	16 21E	98.9	186.6	3.439	-19.95	50.4	SO312	.03070	7.2628	1.2	A
9056	34187.59	22 4S	16 0E	132.4	187.0	2.037	36.40	39.7	SO312	.02200	5.4472	1.0	V
9057	34192.59	22 4S	16 1E	135.4	187.0	1.826	37.10	39.7	SO312	.02200	5.2243	1.2	A
1199 9001	38433.19	50 53N	6 40E	80.0	190.3	2.037	-24.85	60.4	SO312	.03070	9.1775	1.0	V
9002	38436.39	50 52N	6 40E	80.7	190.3	2.037	-24.50	60.4	SO312	.03070	9.0042	1.0	A
9003	38447.19	49 39N	7 11E	74.4	190.1	2.390	0.00	61.6	SO312	.03070	9.7552	1.0	F
9004	38452.39	49 40N	7 11E	74.5	190.0	2.390	0.70	61.6	SO312	.03070	9.7470	1.0	A
9005	38499.39	46 16N	6 9E	73.6	189.4	2.530	2.10	64.3	SO312	.03070	9.9780	0.6	V
9006	38502.19	46 15N	6 9E	74.6	189.4	2.530	2.45	64.3	SO312	.03070	9.7305	0.8	A
9007	38528.39	44 5N	5 40E	75.0	189.1	2.530	6.65	66.0	SO312	.03070	9.6974	1.0	F
9008	38533.79	44 5N	5 40E	75.2	189.0	2.530	7.35	66.0	SO312	.03070	9.6397	1.0	A
9009	38541.39	43 6N	5 58E	83.4	189.0	2.390	23.80	67.0	SO312	.01650	8.7401	1.0	F
9010	38547.39	43 6N	5 58E	84.0	188.9	2.181	24.85	67.0	SO312	.01650	8.6163	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1199	9011	38636.19	36 45N	3 10E	76.8	188.1	2.738	-14.70	70.3	SO312	.03070	9.4334	0.8	F
	9012	38638.99	36 45N	3 10E	75.9	188.1	2.738	-14.35	70.4	SO312	.03070	9.6809	1.0	V
	9013	38648.59	35 55N	2 45E	79.5	188.1	2.738	-22.05	70.6	SO312	.03070	9.1115	0.8	F
	9014	38651.39	35 55N	2 45E	78.4	188.0	2.738	-21.70	70.6	SO312	.03070	9.3591	1.2	V
1201	9001	50208.19	29 5S	54 35W	132.5	187.4	2.881	-36.40	31.9	SO312	.03070	5.3481	1.2	F
	9002	50215.59	29 3S	53 49W	113.2	187.5	3.092	-16.10	31.7	SO312	.03070	6.2890	1.0	F
	9003	50223.79	29 3S	53 40W	112.0	187.5	3.232	-11.55	31.8	SO312	.03070	6.3302	1.8	A
	9004	50262.59	32 1S	54 11W	113.8	187.7	3.232	-9.80	29.3	SO312	.03070	6.2229	1.8	A
	9005	50285.79	34 2S	55 13W	122.1	187.9	3.092	-23.45	27.1	SO312	.03070	5.8103	0.8	F
	9006	50291.79	34 4S	56 9W	142.7	187.9	2.881	-38.85	26.5	SO312	.03070	4.9520	1.0	F
	9007	50293.39	34 4S	56 10W	142.9	187.9	2.881	-38.85	26.4	SO312	.03070	4.9437	1.0	F
	9008	50299.59	34 5S	56 9W	139.8	188.0	2.881	-37.80	26.3	SO312	.03070	5.1253	0.8	V
	9009	50304.79	34 5S	56 10W	141.6	188.0	3.092	-37.80	26.3	SO312	.03070	5.0180	1.0	A
1202	5001	55032.99	3 3N	69 47W	91.6	186.5	3.439	-23.10	61.5	SO130	.02210	7.8495	1.4	F
	5002	55042.99	2 5S	69 20W	86.6	186.5	3.439	-0.35	61.4	SO130	.02210	8.3282	1.6	F
	9001	54934.19	10 1N	67 35W	88.1	186.6	3.092	17.15	67.3	SO312	.03070	8.2284	1.0	F
	9002	54938.19	10 1N	67 33W	88.6	186.6	2.881	19.60	67.3	SO312	.03070	8.2449	1.2	V
	9003	54941.59	10 1S	67 33W	90.1	186.6	2.881	19.95	67.3	SO312	.03070	7.9726	1.2	A
	9004	54965.79	8 2N	68 29W	82.9	186.6	3.439	-4.55	65.5	SO312	.03070	8.6144	1.8	V
	9005	55032.99	3 3N	69 47W	91.6	186.5	3.439	-23.10	61.5	SO312	.03070	7.8488	1.4	F
	9006	55042.99	2 5S	69 20W	86.7	186.5	3.439	-0.35	61.3	SO312	.03070	8.3274	1.2	F
	9007	55052.19	2 1S	70 4W	93.5	186.5	3.439	-24.85	60.4	SO312	.03070	7.6920	1.4	F
	9008	55107.59	1 8S	69 60W	89.7	186.5	3.439	1.75	58.1	SO312	.03070	7.9973	1.4	A
1203	9001	60184.79	14 2N	89 33W	80.8	186.7	3.439	-4.20	69.3	SO312	.03070	8.9629	1.2	F
	9002	60190.79	14 1N	89 33W	81.1	186.7	3.439	-3.15	69.3	SO312	.03070	8.9052	1.2	A
1204	9001	65196.59	34 6N	107 37W	74.2	187.9	2.881	-2.45	71.8	SO312	.02200	9.7882	0.6	F
	9002	65201.99	34 6N	107 37W	74.3	187.8	2.881	-1.40	71.8	SO312	.02200	9.7552	0.6	A
1205	9001	71315.19	22 9S	138 44W	131.8	187.0	2.181	35.35	39.6	SO312	.02200	5.4554	1.4	F
	9002	71319.99	22 9S	138 44W	131.3	187.0	2.181	35.70	39.6	SO312	.02200	5.5049	1.4	V
1206	9001	76264.79	2 5N	157 26W	91.7	186.5	3.232	15.05	61.0	SO312	.03070	7.8983	1.2	F
	9002	76268.19	2 5N	157 26W	91.0	186.5	3.232	15.40	61.0	SO312	.03070	8.0138	1.0	V
1208	9001	85896.79	68 53N	179 20W	86.5	198.6	1.338	24.50	44.4	SO312	.03070	8.3852	0.6	F
	9002	85902.99	68 53N	179 21W	86.5	198.3	1.135	24.85	44.4	SO312	.03070	8.3605	0.6	A
1209	9001	4952.99	59 44N	151 0E	79.1	192.9	1.690	15.75	53.0	SO312	.03070	9.1693	0.6	A
1210	9001	10441.59	47 25N	124 6E	81.8	189.6	2.181	23.45	63.6	SO312	.03070	8.9959	0.6	V
	9002	10444.59	47 25N	124 6E	83.0	189.6	2.181	23.80	63.6	SO312	.03070	8.7318	0.6	A
	9003	10530.19	41 19N	121 4E	76.7	188.7	2.530	-16.45	67.6	SO312	.03070	9.4416	0.6	F
	9004	10536.19	41 15N	121 04E	75.2	188.6	2.738	-9.80	67.7	SO312	.02200	9.6562	0.4	A
	9005	10541.79	40 31N	120 50E	77.4	188.6	2.530	-17.85	68.1	SO312	.03070	9.3591	0.4	F
	9006	10544.59	40 31N	120 50E	76.4	188.6	2.530	-17.50	68.1	SO312	.03070	9.6149	0.4	V
	9007	10550.79	40 20N	120 22E	84.2	188.5	2.530	-29.75	68.0	SO312	.02200	8.6576	1.0	A
	9008	10585.39	37 42N	120 14E	75.7	188.2	2.738	-14.70	69.8	SO312	.03070	9.6974	0.4	V
	9009	10642.59	33 28N	120 13E	81.8	187.8	2.881	19.60	72.5	SO312	.02200	8.9134	1.0	F
	9010	10656.19	32 57N	119 51E	78.3	187.7	2.881	11.90	72.5	SO312	.03070	9.2518	0.4	A
	9011	10667.39	32 22N	118 21E	90.5	187.7	2.738	-35.70	71.7	SO312	.02200	8.0303	0.6	A
	9012	11232.79	7 11S	112 45E	103.5	186.6	2.881	22.75	53.1	SO312	.03070	6.9905	0.8	F
	9013	11236.59	7 11S	112 45E	102.9	186.6	2.881	23.10	53.1	SO312	.03070	7.0647	0.6	V
	9014	11242.59	7 51S	112 40E	104.7	186.6	2.881	23.80	52.6	SO312	.03070	6.9079	0.6	F
	9015	11246.39	7 51S	112 40E	104.1	186.6	2.881	24.15	52.6	SO312	.03070	6.9822	0.6	V
	9016	11247.79	7 57S	112 39E	104.2	186.6	2.881	24.15	52.5	SO312	.03070	6.9822	0.6	V
	9017	11251.79	7 58S	112 39E	106.0	186.6	2.881	24.50	52.5	SO312	.02200	6.7264	0.4	A
1211	5001	15837.19	41 19N	100 20E	85.9	188.7	2.390	27.65	68.2	SO130	.02210	8.4190	0.4	F
	5002	15840.19	41 20N	100 20E	85.3	188.7	2.390	28.00	68.2	SO130	.02210	8.6171	0.4	V
	5003	16038.79	27 27N	97 11E	93.1	187.4	2.530	32.20	74.3	SO130	.01660	7.8495	0.8	F
	5004	16045.79	27 26N	97 4E	91.0	187.3	2.390	30.45	74.2	SO130	.01660	7.9403	0.8	A
	5005	16052.38	26 60N	96 40E	82.7	187.3	2.738	20.65	73.9	SO130	.02210	8.7492	0.8	A
	9001	15625.39	56 25N	103 10E	85.0	191.7	1.826	-30.10	55.6	SO312	.02200	8.5668	0.4	A
	9002	15672.58	52 49N	103 29E	76.3	190.8	2.181	12.60	59.1	SO312	.03070	9.6397	0.4	V
	9003	15675.39	52 49N	103 29E	77.3	190.7	2.181	12.95	59.1	SO312	.03070	9.3921	0.4	A
	9004	15837.19	41 19N	100 20E	86.6	188.7	2.390	27.65	68.2	SO312	.05390	8.4182	0.8	F
	9005	15840.19	41 19N	100 20E	85.3	188.7	2.390	28.00	68.2	SO312	.03070	8.6163	0.4	V
	9006	15843.19	41 20N	100 20E	86.8	188.7	2.181	28.70	68.2	SO312	.03070	8.3440	1.0	A
	9007	15848.19	40 59N	100 15E	87.1	188.6	2.181	29.05	68.5	SO312	.03070	8.3109	0.4	A
	9008	15852.79	40 29N	99 56E	81.6	188.6	2.390	23.45	68.7	SO312	.03070	9.0124	0.4	V
	9009	15855.79	40 29N	99 56E	82.8	188.5	2.390	23.80	68.7	SO312	.03070	8.7401	0.4	A
1212	5001	20946.58	55 20N	83 11E	88.7	191.4	1.826	30.10	57.0	SO130	.02210	8.1796	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1212 9001	20939.78	55 24N	82 57E	83.7	191.6	2.037	24.15	56.9	S0312	.03070	8.6906	1.4	F
9002	20946.38	55 20N	83 11E	88.6	191.4	1.826	30.10	57.0	S0312	.03070	8.1789	0.6	A
9003	20951.78	54 48N	82 34E	81.0	191.3	2.037	21.70	57.4	S0312	.02200	9.0702	0.6	V
9004	20954.78	54 48N	82 34E	82.2	191.3	2.037	22.05	57.4	S0312	.02200	8.8144	0.6	A
9005	20985.78	52 41N	82 2E	87.9	190.7	1.826	29.75	59.3	S0312	.02200	8.2449	0.4	A
9006	20997.58	51 30N	81 13E	81.3	190.5	2.181	21.00	60.2	S0312	.03070	8.9629	0.6	F
9007	21000.38	51 31N	81 13E	80.5	190.5	2.181	21.35	60.2	S0312	.03070	9.1362	0.6	V
9008	21014.18	50 34N	79 12E	80.8	190.3	2.037	-24.50	60.6	S0312	.02200	8.9629	0.6	F
9009	21019.98	50 33N	79 12E	80.3	190.2	2.181	-23.80	60.6	S0312	.02200	9.0537	0.6	A
9010	21033.38	49 26N	80 50E	88.3	190.0	2.037	30.45	62.1	S0312	.03070	8.2037	0.6	A
9011	21036.38	49 1N	80 42E	87.5	190.0	2.037	30.80	62.4	S0312	.03070	8.4100	0.4	V
9012	21039.58	49 1N	80 43E	88.9	189.9	2.037	31.15	62.4	S0312	.03070	8.1541	0.4	A
9013	21093.78	45 2N	78 27E	74.6	189.2	2.530	3.50	65.2	S0312	.03070	9.7470	0.6	F
9014	21096.38	45 2N	78 27E	73.8	189.2	2.530	3.85	65.2	S0312	.03070	9.9615	0.6	V
9015	21102.18	44 30N	77 57E	74.3	189.1	2.530	-7.70	65.5	S0312	.03070	9.7635	0.6	F
9016	21104.78	44 30N	77 57E	73.4	189.1	2.530	-7.35	65.5	S0312	.03070	10.0028	0.6	V
9017	21110.38	44 19N	77 49E	74.6	189.1	2.530	-9.80	65.6	S0312	.02200	9.7387	0.6	A
9018	21118.78	43 24N	76 59E	82.7	189.0	2.181	-27.65	66.0	S0312	.03070	8.7318	2.2	F
9019	21124.58	43 25N	76 59E	82.4	188.9	2.390	-27.30	66.0	S0312	.03070	8.8309	2.4	A
9020	21202.18	37 55N	77 20E	87.7	188.2	2.181	29.75	70.4	S0312	.03070	8.2449	0.4	A
9021	21252.58	34 14N	74 31E	89.6	187.9	2.390	-35.70	71.0	S0312	.02200	8.0634	1.0	F
9022	21258.98	34 14N	74 31E	89.1	187.8	2.738	-35.35	71.0	S0312	.02200	8.1789	1.0	A
9023	21267.58	33 25N	74 19E	90.0	187.8	2.530	-36.05	71.3	S0312	.02200	8.1376	0.8	V
9024	21270.98	33 25N	74 19E	90.9	187.8	2.738	-36.05	71.3	S0312	.02200	8.0056	0.6	A
9025	21295.18	31 19N	75 38E	84.9	187.6	2.530	25.20	73.3	S0312	.02200	8.6493	0.8	V
9026	21298.18	31 20N	75 39E	86.3	187.6	2.530	25.55	73.3	S0312	.02200	8.3770	1.0	A
9027	21306.18	30 47N	75 38E	89.4	187.6	2.390	29.05	73.6	S0312	.02200	8.0634	0.8	A
9028	21423.18	22 24N	73 10E	78.3	187.0	3.232	1.05	73.0	S0312	.03070	9.2683	0.8	F
9029	21428.78	22 24N	73 10E	78.7	187.0	3.232	2.10	73.1	S0312	.03070	9.1940	0.8	A
1213 9001	25979.58	73 32N	75 49E	83.6	203.5	0.995	19.25	39.7	S0312	.02200	8.6741	0.4	A
9002	26204.78	58 48N	59 55E	85.1	192.5	1.484	-30.45	53.5	S0312	.03070	8.6081	0.6	V
9003	26207.98	58 48N	59 54E	85.9	192.5	1.690	-30.45	53.5	S0312	.03070	8.4678	0.6	A
9004	26251.98	55 17N	61 20E	92.5	191.5	1.826	34.65	57.1	S0312	.02200	7.9561	0.6	V
9005	26255.38	55 17N	61 20E	94.0	191.4	1.826	35.00	57.1	S0312	.02200	7.7085	0.6	A
9006	26260.98	54 56N	60 46E	86.2	191.3	1.826	27.65	57.3	S0312	.02200	8.4182	0.4	A
9007	26287.58	52 42N	59 59E	88.4	190.8	2.037	30.10	59.3	S0312	.03070	8.2367	0.4	F
9008	26292.98	52 32N	59 57E	88.4	190.7	2.037	31.15	59.5	S0312	.03070	8.3109	0.4	V
9009	26296.38	52 32N	59 57E	90.0	190.7	1.826	31.85	59.5	S0312	.03070	8.0551	0.4	A
9010	26309.78	51 19N	58 37E	76.5	190.5	2.390	10.50	60.3	S0312	.03070	9.5076	0.6	F
9011	26312.58	51 18N	58 37E	75.6	190.4	2.181	10.85	60.3	S0312	.03070	9.7222	0.6	V
9012	26315.98	51 16N	58 31E	76.0	190.4	2.181	9.10	60.3	S0312	.03070	9.5489	0.6	A
9013	26348.78	48 36N	58 4E	81.3	189.9	2.390	21.00	62.7	S0312	.03070	8.9629	1.4	F
9014	26354.58	48 36N	58 4E	81.8	189.8	2.181	22.05	62.7	S0312	.03070	8.8639	1.4	A
9015	26371.18	47 9N	57 5E	75.4	189.6	2.530	6.65	63.7	S0312	.03070	9.6479	0.8	F
9016	26376.58	47 9N	57 5E	75.6	189.5	2.390	7.35	63.7	S0312	.03070	9.5984	0.8	A
9017	26422.98	43 55N	54 54E	83.5	189.0	2.181	-30.10	65.6	S0312	.03070	8.7814	0.6	V
9018	26425.98	43 55N	54 54E	84.3	189.0	2.390	-30.10	65.6	S0312	.03070	8.6328	0.8	A
9019	26627.38	29 35N	52 36E	76.3	187.5	3.092	5.25	73.3	S0312	.01650	9.5241	1.0	F
1214 5001	31554.58	55 36N	38 9E	76.3	191.6	2.037	9.10	56.6	S0130	.02210	9.5250	1.0	F
5002	31561.98	55 11N	37 16E	75.3	191.5	2.037	-8.75	56.8	S0130	.03080	9.6324	0.4	F
5003	31567.38	55 11N	37 16E	75.2	191.4	2.037	-8.05	56.8	S0130	.03080	9.6654	0.4	A
5004	31604.58	52 38N	36 29E	74.6	190.7	2.181	-2.80	59.1	S0130	.02210	9.7562	0.4	A
5005	31646.98	49 14N	36 20E	84.0	190.0	2.181	25.20	62.2	S0130	.01660	8.6831	3.2	F
5006	31652.78	49 2N	36 18E	83.9	190.0	2.181	26.25	62.4	S0130	.01660	8.7657	3.2	V
5007	31671.98	47 55N	36 23E	95.9	189.7	1.826	36.75	63.4	S0130	.02210	7.5689	0.4	A
5008	31680.38	47 20N	36 30E	104.6	189.6	1.690	42.35	64.0	S0130	.01660	6.9168	0.6	A
9001	31386.98	67 5N	44 18E	75.8	196.9	1.338	-3.85	46.0	S0312	.04070	9.6892	0.4	V
9002	31389.78	67 5N	44 17E	76.6	196.7	1.338	-3.85	46.0	S0312	.04070	9.4746	0.4	A
9003	31396.98	66 47N	42 31E	85.7	196.4	1.338	-28.00	46.2	S0312	.04070	8.4678	0.4	A
9004	31426.78	64 24N	40 45E	87.2	195.2	1.135	-30.10	48.4	S0312	.03070	8.3027	0.8	F
9005	31429.78	64 24N	40 45E	86.0	195.1	1.338	-30.10	48.4	S0312	.03070	8.5255	1.0	V
9006	31440.98	63 25N	40 26E	83.8	194.7	1.338	-26.25	49.3	S0312	.03070	8.6246	0.8	F
9007	31443.98	63 25N	40 25E	82.8	194.6	1.338	-26.25	49.3	S0312	.04070	8.8556	0.8	V
9008	31450.58	62 54N	40 53E	76.3	194.3	1.690	-12.60	49.9	S0312	.04070	9.6149	0.6	V
9009	31453.38	62 54N	40 53E	77.1	194.2	1.690	-12.25	49.9	S0312	.04070	9.4251	0.6	A
9010	31468.78	61 40N	40 19E	75.4	193.8	1.690	-9.45	51.1	S0312	.04070	9.7470	0.6	V
9011	31471.58	61 39N	40 19E	76.1	193.7	1.690	-9.10	51.1	S0312	.04070	9.5406	0.6	A
9012	31502.18	59 13N	39 9E	75.5	192.8	1.826	-7.00	53.3	S0312	.04070	9.5984	0.8	F
9013	31507.58	59 13N	39 8E	75.4	192.7	1.826	-6.65	53.3	S0312	.04070	9.6232	0.8	A
9014	31521.18	58 5N	38 49E	74.2	192.3	2.037	-1.75	54.3	S0312	.04070	9.8955	0.6	V
9015	31523.98	58 5N	38 49E	75.1	192.3	2.037	-1.40	54.3	S0312	.04070	9.6644	0.6	A
9016	31531.98	57 26N	39 43E	84.7	192.1	1.826	25.55	55.1	S0312	.03070	8.5585	0.4	A
9017	31537.78	56 44N	38 41E	76.6	192.0	2.037	9.80	55.6	S0312	.03070	9.4829	0.6	F
9018	31540.38	56 44N	38 41E	75.8	191.9	2.037	10.15	55.6	S0312	.04070	9.6974	0.6	V
9019	31546.98	56 8N	38 12E	75.5	191.8	2.037	4.55	56.1	S0312	.03070	9.6232	0.6	F
9020	31549.58	56 8N	38 12E	74.6	191.7	2.037	4.90	56.1	S0312	.04070	9.8377	0.6	V
9021	31554.58	55 36N	38 9E	76.3	191.6	2.037	9.10	56.6	S0312	.03070	9.5241	1.0	F
9022	31561.98	55 11N	37 16E	75.3	191.5	2.037	-8.75	56.8	S0312	.03070	9.6314	0.4	F
9023	31566.18	55 15N	37 18E	75.2	191.4	2.037	-8.05	56.8	S0312	.03070	9.6644	1.6	A
9024	31570.98	54 44N	37 10E	74.0	191.3	2.037	-6.30	57.2	S0312	.04070	9.9285	0.4	V
9025	31573.78	54 44N	37 10E	74.8	191.2	2.037	-5.95	57.3	S0312	.03070	9.7057	0.4	A
9026	31580.78	54 23N	36 3E	84.4	191.1	1.826	-29.40	57.3	S0312	.03070	8.6081	1.2	A
9027	31585.18	53 53N	35 49E	84.5	191.0	1.826	-30.80	57.8	S0312	.03070	8.6741	1.2	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLF RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1214 9028	31588.98	53 50N	35 48E	85.2	191.0	1.826	-30.45	57.8	SO312	.03070	8.5255	0.6	A
9029	31597.78	52 59N	35 48E	79.7	190.8	2.037	-24.15	58.6	SO312	.03070	9.2188	0.6	V
9030	31611.58	51 46N	36 17E	74.6	190.6	2.181	0.00	59.8	SO312	.03070	9.7387	1.0	F
9031	31616.98	51 46N	36 17E	74.6	190.5	2.181	0.70	59.8	SO312	.03070	9.7305	0.8	A
9032	31627.18	50 36N	36 38E	81.0	190.3	2.181	20.65	61.0	SO312	.03070	8.9877	0.4	F
9033	31630.18	50 36N	36 38E	80.3	190.3	2.181	21.00	61.0	SO312	.03070	9.1610	0.4	V
9034	31635.38	50 4N	36 18E	78.9	190.2	2.390	16.80	61.4	SO312	.03070	9.2188	0.6	F
9035	31636.58	49 59N	36 16E	79.0	190.2	2.390	16.80	61.5	SO312	.03070	9.2105	0.6	F
9036	31641.18	50 4N	36 18E	79.4	190.1	2.181	17.85	61.4	SO312	.03070	9.1362	1.6	A
9037	31661.58	48 27N	35 59E	82.1	189.8	2.181	23.80	62.8	SO312	.03070	8.9629	0.6	V
9038	31664.58	48 27N	35 60E	83.3	189.8	2.181	24.15	62.8	SO312	.03070	8.6988	0.6	A
9039	31696.18	45 52N	35 16E	85.1	189.4	2.390	26.25	64.9	SO312	.03070	8.5585	0.6	F
9040	31699.18	45 52N	35 16E	84.2	189.4	2.181	26.60	64.9	SO312	.03070	8.7318	0.6	V
9041	31708.78	45 10N	33 58E	74.6	189.3	2.530	-6.30	65.0	SO312	.03070	9.7305	0.6	F
9042	31711.38	45 10N	33 58E	73.7	189.2	2.530	-5.95	65.0	SO312	.03070	9.9615	0.6	V
9043	31716.18	44 41N	33 34E	76.1	189.2	2.530	-14.35	65.3	SO312	.04070	9.5159	1.2	F
9044	31721.58	44 41N	33 34E	76.0	189.1	2.530	-13.65	65.3	SO312	.04070	9.5654	1.2	A
9045	31913.38	31 10S	29 49E	86.5	187.6	2.530	-30.80	72.1	SO312	.01650	8.3357	1.0	F
9046	31916.58	31 9N	29 48E	85.4	187.6	2.738	-30.80	72.1	SO312	.01650	8.5833	0.8	V
9047	31930.58	29 60N	31 18E	90.1	187.5	2.390	30.45	73.8	SO312	.02200	8.1376	0.8	V
9048	31933.78	30 0N	31 18E	91.6	187.5	2.390	30.80	73.8	SO312	.02200	7.8653	1.0	A
9049	32868.38	34 3S	18 46E	116.0	187.9	2.738	9.10	27.9	SO312	.04070	6.1899	0.6	V
9050	32872.78	34 3S	18 46E	117.9	187.9	2.738	9.45	27.9	SO312	.03070	5.9836	0.6	A
1215 9001	36887.98	53 56N	14 17E	78.0	191.1	2.037	-18.55	57.8	SO312	.04070	9.2848	0.8	F
9002	36893.38	53 57N	14 17E	77.8	191.0	2.037	-18.20	57.8	SO312	.04070	9.3426	1.0	A
9003	36901.58	52 58N	14 26E	74.8	190.9	2.181	-5.25	58.8	SO312	.03070	9.7057	0.8	F
9004	36906.78	52 58N	14 26E	74.7	190.8	2.181	-4.55	58.8	SO312	.03070	9.7222	1.0	A
9005	36911.38	52 18N	14 9E	74.8	190.7	2.181	-6.30	59.3	SO312	.03070	9.7057	0.6	F
9006	36916.78	52 18N	14 8E	74.7	190.6	2.181	-5.95	59.3	SO312	.03070	9.7222	0.6	A
9007	36921.38	51 38N	13 46E	75.3	190.5	2.181	-10.15	59.8	SO312	.03070	9.6314	0.8	F
9008	36926.78	51 38N	13 46E	75.1	190.4	2.181	-9.45	59.9	SO312	.03070	9.6727	0.8	A
9009	36936.98	50 36N	14 42E	82.9	190.3	2.037	25.20	61.0	SO312	.03070	8.8556	0.6	V
9010	36939.98	50 36N	14 42E	84.2	190.2	2.037	25.55	61.0	SO312	.03070	8.5998	0.6	A
9011	36946.98	49 47N	13 60E	77.7	190.1	2.390	14.35	61.6	SO312	.03070	9.3673	0.4	F
9012	36949.58	49 48N	13 59E	76.8	190.1	2.181	14.70	61.6	SO312	.03070	9.5737	0.4	V
9013	36955.78	49 20N	14 10E	81.7	190.0	2.181	23.45	62.1	SO312	.03070	9.0124	0.6	V
9014	36958.78	49 20N	14 10E	82.9	190.0	2.181	23.80	62.1	SO312	.03070	8.7484	0.6	A
9015	36962.38	48 52N	14 8E	83.9	189.9	2.181	26.25	62.5	SO312	.03070	8.7649	0.8	V
9016	36965.38	48 53N	14 8E	85.2	189.9	2.181	26.60	62.5	SO312	.03070	8.5090	0.8	A
9017	37010.58	45 29N	12 16E	75.0	189.3	2.530	3.85	64.9	SO312	.03070	9.6974	1.0	F
9018	37016.18	45 28N	12 19E	75.5	189.3	2.530	6.65	64.9	SO312	.03070	9.6067	0.8	A
1216 9001	42716.58	18 6N	16 58W	90.8	186.9	3.092	-31.50	70.8	SO312	.02200	7.9478	0.8	F
9002	42719.78	18 6N	16 58W	89.6	186.8	3.092	-31.15	70.8	SO312	.03070	8.1789	0.8	V
9003	42782.18	13 28N	16 35W	86.4	186.7	3.092	16.10	69.4	SO312	.03070	8.4017	0.6	F
9004	42785.38	13 27N	16 34W	85.9	186.7	3.092	16.80	69.4	SO312	.03070	8.5173	0.4	V
1217 9001	48337.18	3 52S	40 44W	127.1	186.5	2.181	41.65	56.5	SO312	.02200	5.7112	1.4	F
9002	48351.78	4 12S	41 46W	97.0	186.5	3.092	16.45	55.7	SO312	.03070	7.3618	1.4	A
9003	48361.78	5 2S	42 49W	93.5	186.5	3.587	-17.85	54.4	SO312	.03070	7.7828	0.8	V
9004	48385.98	6 34S	44 5W	123.0	186.6	3.092	-44.45	52.5	SO312	.02200	5.8928	1.0	V
9005	48403.98	7 47S	41 57W	110.9	186.6	2.390	29.75	52.7	SO312	.02200	6.4045	1.4	A
9006	48426.18	9 30S	42 59W	94.4	186.6	3.232	5.25	50.8	SO312	.03070	7.6920	1.4	V
9007	48525.98	16 28S	45 21W	112.2	186.8	3.232	-30.45	43.9	SO312	.03070	6.3550	1.4	F
9008	48533.98	16 47S	45 1W	102.5	186.8	3.439	-18.90	43.8	SO312	.03070	7.0565	0.8	V
9009	48558.18	18 10S	45 11W	103.2	186.9	3.587	-15.05	42.6	SO312	.03070	6.9162	1.4	A
9010	48564.58	19 9S	45 1W	101.4	186.9	3.439	-4.90	41.8	SO312	.03070	7.0647	1.4	F
9011	48576.78	19 19S	46 7W	119.2	186.9	3.439	-34.30	41.2	SO312	.03070	6.0001	1.4	A
9012	48588.58	20 42S	46 44W	132.7	187.0	2.881	-41.65	39.7	SO312	.02200	5.3729	1.4	F
9013	48596.58	20 53S	46 59W	138.3	187.0	2.881	-44.80	39.4	SO312	.02200	5.2326	1.4	V
9014	48603.98	21 44S	47 3W	137.0	187.0	2.736	-43.05	38.7	SO312	.02200	5.1831	1.4	F
9015	48610.78	21 56S	46 30W	116.0	187.0	3.092	-30.80	38.8	SO312	.03070	6.2229	0.6	V
9016	48614.98	21 56S	46 30W	117.4	187.0	3.439	-30.80	38.8	SO312	.03070	6.0909	0.8	A
9017	48625.98	23 5S	45 42W	103.8	187.1	3.232	-1.75	38.2	SO312	.03070	6.9575	0.4	V
9018	48629.38	23 18S	45 49W	104.1	187.1	3.232	-4.20	37.9	SO312	.03070	6.9327	0.6	V
9019	48633.18	23 18S	45 49W	105.6	187.1	3.232	-3.50	37.9	SO312	.03070	6.7346	0.6	A
9020	48639.18	23 56S	46 17W	106.5	187.1	3.232	-14.00	37.2	SO312	.04070	6.7676	0.8	V
9021	48643.18	23 56S	46 18W	108.2	187.1	3.439	-14.35	37.2	SO312	.04070	6.5861	0.8	A
1218 9001	53436.98	10 40N	61 31W	83.2	186.6	3.232	7.70	67.4	SO312	.03070	8.7814	0.4	V
9002	53439.98	10 41N	61 30W	84.6	186.6	3.232	8.40	67.4	SO312	.03070	8.5090	0.4	A
9003	53472.58	8 4N	62 19W	83.8	186.6	3.439	-7.00	65.3	SO312	.04070	8.6246	1.2	F
9004	53482.38	7 32N	61 54W	87.2	186.6	3.092	14.35	65.3	SO312	.03070	8.3687	1.6	V
9005	53759.38	11 5S	66 9W	100.9	186.6	3.587	-21.35	49.0	SO312	.03070	7.0978	1.4	A
9006	53785.98	13 24S	66 30W	101.3	186.7	3.439	-19.60	46.9	SO312	.03070	7.0647	1.2	F
9007	53796.58	14 17S	65 28W	106.0	186.7	2.881	19.60	46.7	SO312	.03070	6.7759	1.4	F
9008	53803.58	14 14S	64 52W	125.6	186.7	2.181	35.70	47.0	SO312	.02200	5.6287	0.8	A
9009	53809.98	14 56S	65 38W	104.9	186.7	2.738	18.90	46.1	SO312	.03070	6.8997	1.4	V
9010	53824.58	15 26S	67 25W	115.4	186.8	3.439	-33.95	44.8	SO312	.03070	6.2229	1.6	A
9011	54068.78	32 48S	68 47W	124.8	187.7	2.390	23.10	29.3	SO312	.03070	5.7195	1.0	F
9012	54073.38	32 48S	68 46W	124.3	187.7	2.181	23.80	29.3	SO312	.03070	5.7773	0.8	V
9013	54085.38	33 25S	70 39W	117.0	187.8	3.232	-19.25	28.1	SO312	.04070	6.1404	1.6	V
9014	54089.78	33 25S	70 40W	118.5	187.8	3.232	-18.90	28.1	SO312	.03070	5.9753	1.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1218 9015	54102.58	34 34S	70 59W	118.8	187.9	3.092	-20.30	27.0	SO312	.04070	6.0414	0.6	V
9016	54111.18	35 25S	71 38W	129.5	188.0	2.881	-29.75	26.0	SO312	.03070	5.4637	0.8	F
9017	54121.58	35 49S	71 36W	125.1	188.0	3.092	-26.60	25.7	SO312	.03070	5.7360	0.8	V
9018	54128.78	36 35S	72 5W	133.8	188.1	2.881	-32.20	24.8	SO312	.03070	5.2821	0.6	F
9019	54133.18	36 33S	72 2W	130.9	188.1	3.092	-31.15	24.9	SO312	.03070	5.4802	0.8	V
9020	54136.98	37 9S	72 2W	129.8	188.1	2.881	-28.70	24.4	SO312	.03070	5.4472	1.0	F
9021	54141.58	37 26S	72 20W	135.1	188.2	2.881	-32.55	24.0	SO312	.03070	5.2326	0.8	F
9022	54218.78	42 53S	71 7W	132.1	188.8	2.181	21.35	19.7	SO312	.04070	5.3811	0.8	F
9023	54230.78	42 53S	72 41W	122.9	188.9	2.881	-9.45	19.2	SO312	.04070	5.7360	1.0	A
9024	54263.98	45 33S	72 5W	129.7	189.3	2.037	17.15	17.0	SO312	.04070	5.5049	1.0	V
9025	54268.78	45 33S	72 3W	132.4	189.3	2.037	17.85	17.0	SO312	.04070	5.2903	0.8	A
1219 5001	58268.38	43 4N	75 39W	95.5	188.9	2.181	37.10	67.2	SO130	.01660	7.6762	1.0	V
5002	58271.98	43 4N	75 38W	97.8	188.9	1.826	38.15	67.2	SO130	.01660	7.4245	1.0	A
9001	58264.98	43 4N	75 39W	96.1	189.0	2.181	36.75	67.1	SO312	.02200	7.5682	1.0	F
9002	58268.38	43 4N	75 39W	95.5	188.9	2.181	37.10	67.2	SO312	.02200	7.6755	1.0	V
9003	58558.38	23 10N	82 17W	87.7	187.1	2.881	-30.10	72.4	SO312	.02200	8.2202	3.2	F
9004	58565.38	23 7N	82 18W	87.5	187.1	3.092	-29.75	72.4	SO312	.03070	8.2944	1.4	A
9005	58567.38	22 59N	82 20W	87.5	187.1	3.092	-29.75	72.4	SO312	.03070	8.3027	0.4	A
9006	58570.78	22 46N	82 27W	89.7	187.0	3.092	-32.20	72.3	SO312	.02200	8.0964	0.4	A
1220 9001	63680.38	35 38N	100 59W	74.6	188.0	2.881	-1.40	71.1	SO312	.02200	9.7305	0.6	F
9002	63685.58	35 38N	100 59W	74.8	188.0	2.881	-0.70	71.1	SO312	.02200	9.7057	0.8	A
1221 9001	68955.38	37 28N	122 2W	81.1	188.2	2.738	19.60	70.5	SO312	.02200	8.9794	1.4	F
9002	68961.38	37 28N	122 2W	81.7	188.2	2.530	20.65	70.5	SO312	.02200	8.8639	1.2	A
1225 9001	3303.38	70 40N	162 25E	90.1	199.9	0.636	-30.80	42.5	SO312	.02200	8.0221	0.6	F
9002	3306.58	70 40N	162 24E	89.0	199.7	0.636	-30.80	42.5	SO312	.02200	8.2367	0.6	V
9003	3651.58	47 8N	152 18E	80.9	189.6	2.390	22.05	63.8	SO312	.02200	9.0867	0.4	V
9004	3654.58	47 8N	152 18E	82.2	189.6	2.181	22.75	63.8	SO312	.02200	8.8226	0.4	A
1226 9001	8917.18	50 8N	129 33E	80.2	190.2	2.037	-23.80	60.9	SO312	.02200	9.0290	0.6	F
9002	8919.98	50 8N	129 33E	79.1	190.1	2.037	-23.45	60.9	SO312	.02200	9.2931	0.6	V
9003	8928.98	49 26N	130 6E	73.6	190.0	2.390	-1.40	61.7	SO312	.03070	9.9863	0.6	V
9004	9000.78	44 38N	129 34E	85.5	189.1	2.181	27.30	65.8	SO312	.02200	8.4760	0.4	A
9005	9030.98	42 22N	126 54E	88.6	188.8	2.181	-35.00	66.5	SO312	.03070	8.1459	0.6	F
9006	9034.18	42 21N	126 54E	87.2	188.8	2.181	-34.65	66.5	SO312	.03070	8.4017	1.0	V
9007	9037.98	42 19N	126 53E	88.1	188.8	2.390	-34.65	66.6	SO312	.03070	8.2697	0.4	A
9008	9057.58	40 20N	128 18E	84.4	188.6	2.530	25.20	68.8	SO312	.03070	8.6493	0.8	F
9009	9060.78	40 7N	128 15E	84.6	188.5	2.530	25.20	69.0	SO312	.03070	8.6328	0.4	F
9010	9061.78	40 3N	128 14E	84.5	188.5	2.530	25.20	69.0	SO312	.03070	8.6328	0.4	F
9011	9064.38	40 5N	128 13E	83.2	188.5	2.530	24.85	69.0	SO312	.03070	8.8474	0.4	V
9012	9067.58	40 4N	128 13E	84.4	188.5	2.530	25.20	69.0	SO312	.03070	8.5750	0.4	A
9013	9085.18	38 38N	127 57E	85.7	188.3	2.390	28.35	69.9	SO312	.03070	8.5668	0.6	V
9014	9088.38	38 38N	127 57E	87.1	188.3	2.390	28.70	69.9	SO312	.03070	8.2944	0.6	A
9015	9114.18	36 27N	127 20E	85.5	188.1	2.530	25.90	71.1	SO312	.02200	8.5420	1.0	F
9016	9117.18	36 27N	127 20E	84.8	188.1	2.530	26.25	71.2	SO312	.02200	8.6741	1.0	V
9017	9722.18	5 8S	119 25E	104.1	186.5	2.738	26.25	55.0	SO312	.02200	6.9822	0.4	V
9018	9725.98	5 8S	119 25E	106.1	186.5	2.530	26.95	55.1	SO312	.02200	6.7264	0.4	A
1227 9001	14056.18	61 36N	113 1E	75.7	193.8	1.690	-5.95	51.1	SO312	.04070	9.5737	1.2	F
9002	14061.58	61 36N	113 1E	75.6	193.6	1.690	-5.25	51.1	SO312	.04070	9.6067	1.2	A
9003	14203.78	51 53N	107 45E	83.1	190.5	1.826	-29.40	59.4	SO312	.03070	8.8226	0.6	V
9004	14206.78	51 53N	107 45E	83.9	190.5	2.037	-29.40	59.4	SO312	.03070	8.6741	0.6	A
9005	14257.58	47 58N	107 5E	75.6	189.7	2.390	-14.70	62.7	SO312	.03070	9.5984	0.8	F
9006	14265.18	47 23N	107 28E	73.9	189.7	2.530	2.45	63.4	SO312	.03070	9.8295	0.6	F
9007	14270.38	47 23N	107 28E	74.0	189.6	2.390	3.15	63.4	SO312	.03070	9.8130	0.6	A
9008	14431.78	36 1N	103 59E	75.3	188.1	2.881	-13.30	70.7	SO312	.03070	9.6232	1.2	F
9009	14437.18	36 1N	103 59E	75.2	188.0	2.881	-12.25	70.7	SO312	.03070	9.6562	1.2	A
9010	14511.98	30 48N	103 32E	79.3	187.6	2.881	14.35	73.2	SO312	.03070	9.1280	0.4	A
9011	14543.38	28 19N	102 25E	76.1	187.4	3.092	-9.45	73.1	SO312	.03070	9.5406	0.4	F
9012	14545.98	28 20N	102 25E	75.2	187.4	3.092	-9.10	73.2	SO312	.03070	9.7635	0.4	V
9013	14552.18	27 55N	102 15E	75.8	187.4	3.092	-12.25	73.1	SO312	.03070	9.6809	0.6	V
9014	14554.98	27 55N	102 15E	76.7	187.3	3.092	-11.90	73.1	SO312	.03070	9.4581	0.6	A
9015	14576.18	25 56N	102 50E	85.9	187.3	2.738	25.20	74.0	SO312	.03070	8.4843	0.6	F
9016	14579.18	25 56N	102 50E	85.2	187.2	2.738	25.55	74.1	SO312	.03070	8.6081	0.6	V
9017	14582.58	25 56N	102 50E	86.9	187.2	2.530	26.25	74.1	SO312	.03070	8.3192	0.4	A
9018	14589.18	25 1N	102 45E	89.4	187.2	2.738	28.35	74.1	SO312	.02200	8.1541	0.8	F
9019	14593.38	24 57N	102 48E	90.7	187.2	2.530	30.80	74.2	SO312	.02200	8.0964	0.6	V
9020	14596.78	24 57N	102 48E	92.3	187.2	2.530	31.15	74.2	SO312	.02200	7.8240	0.4	A
9021	14607.98	23 56N	102 35E	90.8	187.1	2.530	30.45	74.0	SO312	.02200	8.0881	0.6	V
9022	14611.18	23 57N	102 35E	92.4	187.1	2.530	30.80	74.0	SO312	.02200	7.8158	0.6	A
9023	14731.78	15 18N	100 18E	81.9	186.8	3.232	7.00	70.3	SO312	.03070	8.8721	0.6	F
9024	14734.58	15 18N	100 18E	81.1	186.7	3.232	7.35	70.3	SO312	.03070	9.0290	0.6	V
9025	14752.18	13 49N	100 31E	92.0	186.7	2.881	24.85	69.8	SO312	.02200	7.9148	1.2	F
9026	14755.38	13 49N	100 31E	91.3	186.7	2.881	25.20	69.8	SO312	.02200	8.0221	1.0	V
9027	14759.38	13 46N	100 31E	92.9	186.7	2.881	25.55	69.8	SO312	.02200	7.7415	0.6	A
1228 9001	19450.98	55 35N	89 20E	84.9	191.6	2.037	25.90	56.7	SO312	.03070	8.5833	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1228 9002	19454.38	55 20N	89 20E	86.5	191.6	2.037	28.00	56.9	SO312	.03070	8.4265	0.6	F
9003	19458.58	55 28N	89 30E	89.0	191.5	1.826	30.80	56.8	SO312	.03070	8.1541	0.6	A
9004	19459.78	55 23N	89 28E	89.0	191.5	1.826	30.80	56.9	SO312	.03070	8.1541	0.4	A
9005	19462.18	55 14N	89 22E	88.7	191.4	1.826	30.45	57.1	SO312	.03070	8.1871	0.4	A
9006	19463.38	55 9N	89 20E	88.6	191.4	1.826	30.45	57.1	SO312	.03070	8.1871	0.6	A
9007	19464.98	55 2N	89 17E	88.6	191.4	1.826	30.45	57.2	SO312	.03070	8.1954	0.4	A
9008	19478.18	53 59N	86 40E	80.3	191.1	1.826	-23.10	57.7	SO312	.03070	9.0042	1.2	F
9009	19483.78	53 59N	86 40E	80.0	191.0	2.037	-22.75	57.7	SO312	.03070	9.0950	1.4	A
9010	19730.58	36 46N	82 53E	78.0	188.1	2.530	17.85	70.8	SO312	.03070	9.4251	0.6	V
9011	19733.58	36 45N	82 53E	79.2	188.1	2.530	18.20	70.8	SO312	.03070	9.1527	0.4	A
9012	19954.98	21 7N	79 35E	84.2	187.0	3.092	18.20	73.1	SO312	.03070	8.6328	0.6	F
9013	19957.98	21 7N	79 34E	83.5	187.0	2.881	18.55	73.1	SO312	.03070	8.7896	0.6	V
9014	20007.58	17 33N	78 32E	80.1	186.8	3.232	4.20	71.4	SO312	.03070	9.0537	0.6	F
9015	20010.38	17 33N	78 32E	79.4	186.8	3.232	4.55	71.4	SO312	.03070	9.2270	0.6	V
9016	20013.38	17 21N	78 30E	79.5	186.8	3.232	4.90	71.3	SO312	.03070	9.2105	0.6	V
9017	20016.38	17 21N	78 30E	80.6	186.8	3.232	5.25	71.3	SO312	.03070	8.9547	0.6	A
9018	20073.58	13 1N	77 39E	81.4	186.7	3.439	1.40	68.8	SO312	.03070	8.8969	0.8	F
9019	20079.58	13 0N	77 39E	81.9	186.7	3.439	2.45	68.8	SO312	.03070	8.8061	0.6	A
9020	20141.18	8 34N	76 53E	83.4	186.6	3.439	2.80	65.8	SO312	.03070	8.7566	0.6	V
9021	20144.18	8 34N	76 52E	84.6	186.6	3.439	3.15	65.8	SO312	.03070	8.5090	0.8	A
1229 5001	24804.17	53 14N	63 4E	92.2	190.8	1.826	-37.45	58.2	SO130	.02210	7.8908	0.6	A
9001	24739.77	57 7N	65 43E	81.7	192.0	1.690	-24.85	55.0	SO312	.03070	8.8556	0.6	F
9002	24742.57	57 8N	65 42E	80.8	192.0	1.690	-24.85	55.0	SO312	.03070	9.0950	0.6	V
9003	24746.57	56 52N	65 28E	82.3	191.9	1.690	-27.30	55.2	SO312	.03070	8.9217	0.6	V
9004	24749.57	56 52N	65 29E	83.0	191.8	1.690	-26.95	55.2	SO312	.03070	8.7649	0.6	A
9005	24766.37	55 29N	65 20E	77.0	191.5	1.826	-17.85	56.5	SO312	.03070	9.5324	0.4	V
9006	24769.17	55 29N	65 20E	77.8	191.4	2.037	-17.85	56.5	SO312	.03070	9.3508	0.4	A
9007	24819.37	51 27N	65 40E	87.5	190.5	2.181	29.05	60.3	SO312	.03070	8.3109	0.4	F
9008	24822.77	51 27N	65 32E	84.3	190.5	2.181	26.60	60.3	SO312	.03070	8.7071	0.4	V
9009	24825.77	51 27N	65 32E	85.5	190.4	2.181	26.95	60.3	SO312	.03070	8.4595	0.4	A
9010	24830.17	50 55N	65 33E	88.5	190.4	2.181	31.15	60.8	SO312	.03070	8.2862	0.4	V
9011	24833.37	50 56N	65 33E	89.9	190.3	2.181	31.50	60.8	SO312	.03070	8.0386	0.4	A
9012	24899.97	46 6N	62 58E	75.3	189.4	2.530	5.95	64.4	SO312	.03070	9.6644	1.8	F
9013	24905.37	46 6N	62 57E	75.4	189.4	2.530	6.65	64.4	SO312	.03070	9.6232	1.8	A
9014	25839.97	18 7S	49 26E	103.7	186.9	3.439	-17.50	42.6	SO312	.04070	6.9822	0.8	V
1230 5001	30099.77	53 8N	45 2E	105.8	191.0	1.826	42.70	59.0	SO130	.01660	6.9168	0.6	F
5002	30107.97	52 55N	44 15E	89.2	190.8	2.037	31.85	59.1	SO130	.02210	8.2457	0.6	V
5003	30133.97	51 7N	43 50E	95.8	190.4	1.826	37.45	60.7	SO130	.02210	7.6927	0.4	V
5004	30143.77	50 49N	42 11E	74.6	190.3	2.390	0.70	60.6	SO130	.02210	9.7479	0.6	A
5005	30148.77	50 8N	41 41E	74.7	190.2	2.390	-8.05	61.0	SO130	.02210	9.7149	0.6	F
5006	30161.37	49 23N	39 48E	103.0	190.0	1.484	-44.80	61.2	SO130	.01660	6.9828	0.8	F
5007	30177.17	48 29N	42 5E	80.9	189.8	2.181	20.65	62.7	SO130	.02210	8.9803	0.6	A
5008	30189.77	47 26N	41 32E	77.0	189.6	2.390	14.70	63.4	SO130	.02210	9.5416	0.6	V
5009	30207.17	46 29N	40 46E	74.6	189.4	2.530	0.35	64.0	SO130	.02210	9.7562	0.6	A
5010	30211.77	45 58N	40 51E	74.8	189.4	2.530	7.70	64.5	SO130	.02210	9.8387	0.6	V
5011	30222.17	45 31N	40 3E	75.9	189.3	2.530	-13.30	64.6	SO130	.02210	9.5993	0.6	A
9001	29839.97	70 52N	53 47E	78.4	200.3	0.995	-10.15	42.3	SO312	.04070	9.2435	1.6	F
9002	29845.57	70 52N	53 47E	78.2	199.9	0.995	-9.80	42.3	SO312	.04070	9.2848	1.6	A
9003	29887.97	67 39N	52 56E	85.2	197.4	1.338	25.55	45.5	SO312	.04070	8.6163	0.4	V
9004	29891.17	67 39N	52 56E	86.3	197.3	1.135	25.90	45.5	SO312	.04070	8.4100	0.4	A
9005	29986.97	61 2N	46 54E	76.1	193.6	1.826	5.25	51.6	SO312	.04070	9.5489	1.0	F
9006	29992.57	61 2N	46 53E	76.1	193.4	1.690	5.95	51.7	SO312	.04070	9.5406	0.8	A
9007	30025.57	58 26N	45 32E	75.8	192.5	2.037	5.60	54.0	SO312	.04070	9.5819	0.8	F
9008	30030.97	58 26N	45 33E	75.9	192.4	1.826	6.65	54.0	SO312	.04070	9.5654	0.8	A
9009	30054.57	56 36N	43 25E	81.2	191.9	1.690	-24.15	55.4	SO312	.03070	8.9134	0.6	F
9010	30055.97	56 30N	43 23E	81.1	191.8	1.690	-24.15	55.5	SO312	.03070	8.9217	1.0	F
9011	30061.77	56 30N	43 22E	80.8	191.7	1.826	-23.80	55.5	SO312	.03070	8.9959	1.0	A
9012	30066.37	55 60N	43 7E	80.7	191.6	1.826	-25.20	55.9	SO312	.03070	9.0950	0.4	V
9013	30071.57	55 29N	42 20E	91.7	191.5	1.484	-36.40	56.3	SO312	.03070	7.8735	1.0	F
9014	30074.77	55 29N	42 20E	90.2	191.5	1.484	-36.05	56.3	SO312	.03070	8.1294	1.0	V
9015	30085.77	54 50N	43 2E	77.1	191.2	2.037	-16.10	57.0	SO312	.03070	9.4416	0.4	A
9016	30114.17	52 19N	43 45E	85.1	190.7	2.181	26.25	59.5	SO312	.03070	8.5750	0.8	F
9017	30117.17	52 19N	43 46E	84.4	190.7	2.181	26.60	59.6	SO312	.03070	8.7236	0.8	V
9018	30125.97	51 30N	43 30E	86.2	190.5	2.181	27.65	60.3	SO312	.03070	8.4678	0.8	F
9019	30129.17	51 30N	43 30E	85.5	190.5	2.181	28.00	60.3	SO312	.03070	8.6163	0.6	V
9020	30183.17	47 36N	42 15E	89.0	189.7	2.181	30.80	63.5	SO312	.03070	8.1871	1.2	F
9021	30231.97	44 27N	39 55E	74.7	189.1	2.530	-8.75	65.5	SO312	.03070	9.7057	0.6	F
9022	30237.17	44 28N	39 55E	74.7	189.1	2.530	-8.05	65.5	SO312	.03070	9.7305	0.6	A
9023	30251.17	43 14N	40 17E	77.4	188.9	2.530	15.05	66.6	SO312	.04070	9.5076	0.8	V
9024	30254.17	43 14N	40 17E	78.5	188.9	2.530	15.40	66.6	SO312	.04070	9.2435	0.6	A
9025	30352.97	36 8N	37 57E	74.9	188.1	2.881	-2.80	70.8	SO312	.02200	9.6892	0.8	F
9026	30358.37	36 8N	37 58E	75.0	188.0	2.881	-1.75	70.8	SO312	.02200	9.6727	0.8	A
9027	30368.17	35 10N	36 43E	90.3	188.0	2.390	-35.70	70.6	SO312	.01650	7.9973	1.0	F
9028	30371.37	35 10N	36 43E	88.9	188.0	2.390	-35.35	70.6	SO312	.01650	8.2532	1.0	V
9029	30378.17	34 40N	36 47E	84.5	187.9	2.530	-30.80	70.9	SO312	.01650	8.6741	1.2	V
9030	30388.77	33 44N	36 34E	85.9	187.8	2.530	-31.50	71.3	SO312	.03070	8.3935	1.4	F
9031	30394.97	33 44N	36 34E	85.6	187.8	2.738	-31.15	71.3	SO312	.03070	8.5090	1.4	A
9032	30403.17	32 44N	36 36E	80.8	187.7	2.738	-24.15	71.8	SO312	.03070	8.9547	0.6	F
9033	30405.97	32 44N	36 36E	79.7	187.7	2.738	-23.80	71.8	SO312	.03070	9.2105	0.6	V
9034	30415.37	32 8N	36 8E	87.5	187.7	2.530	-33.60	71.8	SO312	.03070	8.3687	1.0	V
9035	30418.57	32 8N	36 8E	88.4	187.7	2.738	-33.60	71.8	SO312	.03070	8.2367	1.0	A
9036	31091.17	14 22S	28 29E	96.9	186.7	3.439	-2.45	46.3	SO312	.03070	7.4856	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1230 9037	31094.77	14 22S	28 29E	98.3	186.7	3.439	-1.75	46.3	SO312	.03070	7.2628	0.6	A
9038	31265.97	26 22S	27 27E	126.8	187.3	2.181	30.45	35.6	SO312	.03070	5.6865	0.4	V
9039	31270.77	26 22S	27 27E	129.3	187.3	2.181	30.80	35.6	SO312	.03070	5.4637	0.4	A
1231 9001	34967.77	81 10N	64 29E	82.5	229.3	0.438	14.70	30.8	SO312	.04070	8.8887	0.8	V
9002	34970.77	81 10N	64 30E	83.4	228.3	0.438	14.70	30.8	SO312	.04070	8.6906	0.8	A
9003	34983.77	80 38N	58 4E	79.4	224.2	0.438	2.80	31.8	SO312	.03070	9.2353	0.6	V
9004	34986.77	80 38N	58 2E	80.2	223.4	0.438	2.80	31.8	SO312	.03070	9.0290	0.6	A
9005	35158.37	69 57N	32 1E	78.3	199.5	1.338	8.75	43.2	SO312	.04070	9.2683	0.6	F
9006	35161.17	69 57N	32 0E	77.3	199.3	1.338	8.75	43.2	SO312	.04070	9.4911	0.6	V
9007	35163.77	69 47N	31 47E	77.2	199.1	1.338	8.40	43.4	SO312	.04070	9.5076	0.6	V
9008	35166.77	69 47N	31 46E	78.1	199.0	1.338	8.40	43.4	SO312	.04070	9.2931	0.4	A
9009	35198.57	67 37N	30 32E	83.6	197.2	1.338	22.40	45.5	SO312	.04070	8.6658	0.4	A
9010	35317.77	59 23N	24 7E	77.0	192.9	2.037	10.15	53.2	SO312	.04070	9.4416	0.4	F
9011	35320.37	59 23N	24 7E	76.1	192.8	1.826	10.50	53.2	SO312	.04070	9.6562	0.4	V
9012	35324.97	58 56N	23 30E	75.3	192.7	2.037	1.40	53.5	SO312	.04070	9.6397	0.8	F
9013	35330.37	58 56N	23 31E	75.4	192.6	1.826	2.45	53.5	SO312	.04070	9.6314	0.8	A
9014	35341.57	58 15N	22 32E	76.4	192.3	1.826	-12.60	54.1	SO312	.04070	9.5076	0.6	A
9015	35349.17	57 35N	21 52E	78.5	192.1	1.826	-21.00	54.6	SO312	.03070	9.3426	0.6	V
9016	35352.17	57 35N	21 52E	79.3	192.1	1.826	-20.65	54.6	SO312	.03070	9.1693	0.6	A
9017	35365.37	56 3N	23 18E	86.2	191.8	2.037	27.30	56.3	SO312	.03070	8.4512	0.6	F
9018	35369.77	55 56N	23 29E	89.7	191.7	1.826	32.20	56.4	SO312	.03070	8.1789	0.6	V
9019	35373.17	55 56N	23 28E	90.8	191.6	1.826	32.20	56.4	SO312	.03070	7.9643	0.4	A
9020	35387.97	54 47N	20 32E	81.8	191.3	1.826	-25.55	57.0	SO312	.03070	8.8474	0.6	F
9021	35390.97	54 46N	20 30E	81.0	191.3	1.826	-25.90	57.0	SO312	.03070	9.0537	1.4	V
9022	35394.77	54 43N	20 28E	81.8	191.2	2.037	-25.90	57.0	SO312	.03070	8.8887	0.6	A
9023	35398.37	54 29N	20 20E	82.5	191.1	2.037	-26.95	57.2	SO312	.03070	8.8226	0.6	A
9024	35403.57	53 44N	19 59E	83.8	191.0	1.826	-28.70	57.8	SO312	.03070	8.6163	0.8	F
9025	35406.57	53 43N	19 59E	82.8	191.0	1.826	-28.70	57.8	SO312	.03070	8.8556	0.6	V
9026	35411.77	53 34N	19 57E	83.0	190.9	2.037	-28.00	58.0	SO312	.03070	8.7649	0.4	A
9027	35420.57	52 33N	19 43E	81.6	190.7	1.826	-25.55	58.9	SO312	.03070	8.8639	0.4	F
9028	35423.37	52 34N	19 43E	80.5	190.7	2.037	-25.55	58.9	SO312	.03070	9.1280	0.4	V
9029	35426.17	52 35N	19 42E	81.4	190.7	2.037	-25.55	58.8	SO312	.03070	8.9382	0.8	A
9030	35430.37	51 54N	19 25E	82.5	190.6	1.826	-26.95	59.4	SO312	.03070	8.7649	1.6	F
9031	35436.17	51 54N	19 26E	82.1	190.5	2.037	-26.60	59.4	SO312	.03070	8.8639	2.2	A
9032	35444.57	50 55N	19 13E	80.6	190.4	2.037	-24.50	60.2	SO312	.03070	8.9794	0.8	F
9033	35447.37	50 55N	19 13E	79.5	190.3	2.037	-24.15	60.2	SO312	.03070	9.2435	0.8	V
9034	35452.57	50 24N	18 38E	87.8	190.2	1.826	-33.60	60.5	SO312	.03070	8.2202	0.8	F
9035	35458.77	50 24N	18 38E	87.3	190.1	2.037	-33.25	60.5	SO312	.03070	8.3440	1.0	A
9036	35463.17	50 4N	18 42E	84.0	190.1	2.037	-29.40	60.9	SO312	.03070	8.6658	0.6	A
9037	35469.17	49 14N	18 44E	79.5	190.0	2.181	-22.75	61.6	SO312	.03070	9.1032	0.4	F
9038	35471.97	49 14N	18 44E	78.3	190.0	2.181	-22.40	61.6	SO312	.03070	9.3673	0.4	V
9039	35479.97	48 25N	19 17E	74.3	189.9	2.390	0.35	62.5	SO312	.03070	9.7800	0.8	F
9040	35485.17	48 26N	19 17E	74.3	189.8	2.390	1.05	62.5	SO312	.03070	9.7717	1.0	A
9041	35489.97	47 45N	18 57E	74.3	189.7	2.390	-3.15	63.0	SO312	.03070	9.7800	0.4	F
9042	35495.37	47 32N	19 13E	74.6	189.7	2.390	7.35	63.3	SO312	.03070	9.8543	0.4	V
9043	35497.97	47 32N	19 13E	75.6	189.6	2.390	7.70	63.3	SO312	.03070	9.5984	0.6	A
9044	35502.97	47 1N	18 56E	74.0	189.6	2.390	3.85	63.7	SO312	.03070	9.9368	0.6	V
9045	35505.77	47 1N	18 56E	74.9	189.5	2.390	4.20	63.7	SO312	.03070	9.6892	0.6	A
9046	35511.97	46 35N	18 51E	75.2	189.4	2.530	5.60	64.0	SO312	.03070	9.6562	0.6	A
9047	35520.97	45 35N	18 43E	76.3	189.3	2.530	10.15	64.8	SO312	.03070	9.5406	0.6	F
9048	35523.57	45 35N	18 43E	75.5	189.3	2.530	10.50	64.8	SO312	.03070	9.7305	0.6	V
9049	35534.37	44 59N	17 18E	81.6	189.2	2.181	-27.65	64.8	SO312	.03070	9.0124	1.0	V
9050	35536.57	44 50N	17 15E	81.7	189.2	2.181	-27.65	64.9	SO312	.03070	9.0042	0.6	V
9051	35539.57	44 50N	17 16E	82.3	189.1	2.390	-27.30	64.9	SO312	.03070	8.8391	0.6	A
9052	35559.97	43 8N	17 42E	73.8	188.9	2.530	0.70	66.5	SO312	.03070	9.9615	0.6	V
9053	35562.77	43 8N	17 42E	74.7	188.9	2.530	1.05	66.5	SO312	.03070	9.7222	0.4	A
9054	35591.77	41 10N	16 53E	75.2	188.6	2.738	-9.45	67.7	SO312	.03070	9.6562	1.0	A
9055	35799.17	26 35N	13 10E	83.4	187.3	2.881	-25.55	72.9	SO312	.01650	8.6658	0.4	F
9056	35805.17	26 34N	13 10E	83.0	187.3	3.092	-24.85	72.9	SO312	.01650	8.7566	0.4	A
1232 9001	41005.57	33 38N	7 37W	83.8	187.8	2.738	-29.40	71.3	SO312	.03070	8.7566	0.6	V
9002	41008.57	33 39N	7 37W	84.6	187.8	2.738	-29.05	71.4	SO312	.03070	8.5998	0.8	A
1233 9001	46882.97	5 54S	35 10W	115.5	186.5	2.390	35.00	54.6	SO312	.02200	6.2807	0.6	V
9002	46887.37	5 54S	35 10W	118.1	186.6	2.181	35.70	54.6	SO312	.02200	6.0331	0.6	A
9003	46906.77	7 13S	35 53W	102.6	186.6	2.738	21.70	53.1	SO312	.03070	6.9492	1.6	A
9004	46930.57	8 50S	36 27W	97.6	186.6	3.092	12.25	51.5	SO312	.03070	7.3041	1.4	A
9005	46951.57	10 15S	36 50W	97.2	186.6	3.232	7.35	50.2	SO312	.03070	7.3453	0.6	A
9006	46984.17	12 52S	38 19W	106.6	186.7	3.439	-27.65	47.3	SO312	.03070	6.7099	1.4	F
9007	46990.57	12 45S	38 27W	110.0	186.7	3.587	-30.80	47.3	SO312	.03070	6.5200	0.6	A
9008	46993.57	12 57S	38 30W	110.5	186.7	3.587	-31.15	47.1	SO312	.03070	6.4870	0.4	A
9009	47021.57	14 46S	39 17W	125.8	186.7	3.439	-40.95	45.2	SO312	.02200	5.7030	1.4	A
9010	47057.77	17 37S	39 15W	109.3	186.8	3.439	-27.30	42.9	SO312	.03070	6.6191	1.4	V
9011	47069.77	18 41S	39 50W	122.1	186.9	3.092	-36.40	41.7	SO312	.03070	5.8350	1.4	F
9012	47092.37	20 13S	40 16W	127.8	186.9	2.881	-38.85	40.3	SO312	.03070	5.5627	1.6	F
1234 9001	52054.17	3 25N	57 20W	90.6	186.5	3.439	-22.75	61.4	SO312	.03070	8.0468	1.4	V
9002	52150.97	3 18S	57 42W	91.2	186.5	3.232	8.05	56.3	SO312	.03070	7.9726	1.4	V
9003	52308.57	13 51S	59 9W	107.1	186.7	2.738	21.00	47.1	SO312	.03070	6.6356	0.8	A
9004	52347.17	16 20S	60 57W	106.0	186.8	3.587	-23.10	44.2	SO312	.03070	6.7511	1.4	A
9005	52399.77	19 49S	62 5W	120.1	186.9	3.439	-34.30	40.7	SO312	.03070	5.9588	1.6	A
1235 9001	57099.77	20 57N	75 42W	78.6	187.0	3.232	-1.05	72.6	SO312	.04070	9.2353	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1235 9002	57102.57	20 57N	75 42W	77.8	187.0	3.232	-0.70	72.6	SO312	.04070	9.4251	0.4	V
9003	57106.77	20 29N	75 56W	78.8	187.0	3.232	-7.35	72.3	SO312	.03070	9.1940	0.8	F
9004	57111.97	20 6N	75 48W	79.0	186.9	3.232	1.05	72.3	SO312	.03070	9.1858	0.6	F
9005	57116.17	19 60N	75 46W	78.6	186.9	3.232	3.85	72.4	SO312	.03070	9.3261	0.4	V
9006	57118.97	20 0N	75 46W	79.7	186.9	3.232	4.20	72.4	SO312	.03070	9.0702	0.4	A
9007	57389.77	1 1N	79 36W	89.3	186.5	3.587	-14.35	59.6	SO312	.03070	8.0634	1.4	F
9008	57397.17	0 28N	79 19W	88.2	186.5	3.439	1.05	59.4	SO312	.03070	8.1871	0.8	F
9009	57407.17	0 6S	78 28W	107.2	186.5	2.530	33.60	59.6	SO312	.02200	6.8089	0.8	V
9010	57411.17	0 6S	78 28W	109.2	186.5	2.530	33.95	59.6	SO312	.02200	6.5531	0.8	A
9011	57438.37	2 8S	79 50W	88.8	186.5	3.439	-1.40	57.2	SO312	.04070	8.2037	1.2	V
9012	57442.57	2 12S	79 51W	90.1	186.5	3.439	-1.05	57.2	SO312	.04070	7.9643	0.4	A
9013	57446.77	2 57S	79 46W	91.4	186.5	3.439	5.95	56.6	SO312	.03070	7.9065	0.6	F
9014	57451.77	3 18S	79 46W	92.1	186.5	3.439	8.75	56.4	SO312	.03070	7.8405	0.4	F
9015	57458.57	3 32S	79 59W	90.0	186.5	3.439	2.10	56.1	SO312	.03070	8.0881	0.6	V
9016	57461.97	3 31S	80 3W	90.8	186.5	3.439	0.35	56.0	SO312	.03070	7.9065	0.4	A
9017	57475.37	4 51S	80 40W	93.2	186.5	3.587	-15.05	54.6	SO312	.03070	7.7085	0.8	F
9018	57479.77	5 10S	80 36W	92.3	186.5	3.587	-10.85	54.4	SO312	.02200	7.7993	1.0	F
9019	57483.17	5 10S	80 37W	91.3	186.5	3.587	-10.50	54.4	SO312	.02200	7.9643	0.8	V
9020	57486.37	5 9S	80 37W	92.6	186.5	3.587	-10.50	54.4	SO312	.03070	7.7497	1.0	A
1236 9001	62052.17	45 9N	93 13W	83.6	189.2	2.181	-29.40	64.6	SO312	.02200	8.6328	3.8	F
9002	62059.77	45 2N	93 16W	83.3	189.2	2.390	-29.05	64.7	SO312	.02200	8.7401	3.6	A
9003	62167.57	37 10N	94 29W	74.8	188.2	2.881	-5.60	70.2	SO312	.02200	9.6892	0.8	F
9004	62172.97	37 10N	94 29W	74.9	188.1	2.881	-4.55	70.2	SO312	.02200	9.6892	0.8	A
9005	62278.17	29 53N	95 20W	85.9	187.5	2.530	24.50	73.6	SO312	.02200	8.4100	3.0	A
9006	62331.97	25 55N	97 30W	84.1	187.2	2.881	-26.25	72.8	SO312	.03070	8.5833	0.6	F
9007	62337.97	25 55N	97 30W	83.7	187.2	3.092	-25.55	72.8	SO312	.03070	8.6741	0.6	A
9008	62384.77	22 15N	97 51W	79.5	187.0	3.232	-13.65	72.6	SO312	.03070	9.1032	0.6	F
9009	62390.37	22 15N	97 51W	79.4	187.0	3.232	-12.60	72.7	SO312	.03070	9.1197	0.8	A
1237 9001	67416.97	40 51N	115 47W	74.2	188.6	2.738	-9.45	67.9	SO312	.02200	9.7717	0.6	F
9002	67422.17	40 51N	115 47W	74.2	188.6	2.738	-8.75	67.9	SO312	.02200	9.7882	0.6	A
1240 9001	82995.77	64 25N	173 13W	79.2	195.2	1.338	-16.45	48.4	SO312	.03070	9.1445	1.0	F
9002	83001.57	64 25N	173 13W	78.9	195.0	1.484	-16.10	48.4	SO312	.03070	9.2023	1.0	A
1241 5001	2008.37	57 24N	161 45E	75.3	192.2	2.037	2.80	54.9	SO130	.03080	9.6406	1.0	F
5002	2013.77	57 24N	161 44E	75.4	192.1	2.037	3.15	54.9	SO130	.03080	9.6406	1.0	A
9001	1857.57	68 5N	166 34E	86.2	197.3	1.135	-28.00	44.9	SO312	.04070	8.4347	0.8	A
9002	1999.97	57 58N	162 3E	75.6	192.4	2.037	3.85	54.4	SO312	.03070	9.6067	0.6	F
9003	2002.77	57 57N	162 3E	74.7	192.3	1.826	4.20	54.4	SO312	.03070	9.8377	0.4	V
9004	2008.37	57 24N	161 45E	75.3	192.2	2.037	2.80	54.9	SO312	.04070	9.6397	1.8	F
9005	2013.77	57 24N	161 44E	75.3	192.1	2.037	3.15	54.9	SO312	.04070	9.6397	1.8	A
9006	2071.97	53 13N	158 25E	89.7	190.9	1.690	-35.00	58.2	SO312	.02200	8.0634	0.4	F
9007	2075.37	52 59N	158 26E	87.9	190.8	1.690	-33.25	58.4	SO312	.03070	8.2202	0.6	F
9008	2078.97	52 56N	158 30E	86.9	190.8	1.690	-31.15	58.4	SO312	.03070	8.6493	0.6	V
9009	2081.97	52 57N	158 31E	85.6	190.7	2.037	-31.15	58.4	SO312	.03070	8.5090	0.6	A
1242 9001	7412.57	51 2N	136 50E	74.5	190.4	2.390	-3.50	60.3	SO312	.03070	9.7387	0.4	F
9002	7417.97	50 38N	137 5E	75.7	190.3	2.390	7.70	60.7	SO312	.03070	9.5984	1.4	F
9003	7423.37	50 38N	137 5E	75.9	190.2	2.390	8.40	60.8	SO312	.03070	9.5654	1.6	A
9004	7429.97	50 2N	136 27E	73.6	190.1	2.390	-4.20	61.1	SO312	.03070	9.9780	0.4	V
9005	7432.77	50 2N	136 27E	74.6	190.1	2.390	-3.85	61.1	SO312	.03070	9.7552	0.4	A
9006	7449.37	48 35N	135 24E	78.7	189.9	2.181	-21.00	62.1	SO312	.03070	9.1940	0.6	F
9007	7450.77	48 29N	135 23E	78.7	189.9	2.181	-21.00	62.2	SO312	.03070	9.1940	0.8	F
9008	7453.57	48 29N	135 23E	77.6	189.8	2.181	-20.65	62.2	SO312	.02200	9.4581	0.8	V
9009	7458.17	48 12N	135 2E	81.3	189.8	2.181	-27.30	62.3	SO312	.03070	9.0207	0.4	V
9010	7461.17	48 12N	135 2E	82.1	189.7	2.181	-26.95	62.3	SO312	.03070	8.8639	0.4	A
9011	7514.57	43 58N	135 28E	82.3	189.1	2.530	22.40	66.2	SO312	.03070	8.8639	0.6	F
9012	7517.57	43 57N	135 28E	81.6	189.1	2.530	22.75	66.2	SO312	.03070	9.0207	0.6	V
9013	7520.57	43 57N	135 28E	82.8	189.0	2.530	23.10	66.2	SO312	.03070	8.7566	0.6	A
9014	7534.77	42 60N	133 8E	91.5	188.9	2.037	-38.15	66.0	SO312	.02200	8.0138	1.0	V
9015	7538.17	42 60N	133 8E	92.2	188.8	2.037	-37.80	66.0	SO312	.02200	7.8983	0.8	A
9016	8306.77	10 8S	123 36E	96.2	186.6	3.587	-14.70	50.0	SO312	.03070	7.5434	0.8	V
9017	8310.37	10 8S	123 36E	97.4	186.6	3.587	-14.00	50.0	SO312	.03070	7.3618	0.8	A
1243 9001	12694.37	53 2N	114 15E	86.3	190.9	1.690	-32.20	58.3	SO312	.03070	8.3852	0.6	F
9002	12697.37	53 2N	114 15E	85.2	190.8	1.690	-32.20	58.3	SO312	.03070	8.6163	0.6	V
9003	12716.17	51 17N	115 58E	85.4	190.5	2.181	26.95	60.4	SO312	.03070	8.5420	0.4	F
9004	12719.17	51 17N	115 58E	84.7	190.4	2.181	27.30	60.4	SO312	.03070	8.6988	1.2	V
9005	12722.97	51 15N	115 57E	85.9	190.4	2.181	27.65	60.4	SO312	.03070	8.4430	0.4	A
9006	12765.37	48 10N	114 40E	81.2	189.8	2.181	23.10	62.9	SO312	.02200	9.0620	0.8	V
9007	12768.37	48 10N	114 40E	82.4	189.7	2.181	23.45	62.9	SO312	.02200	8.7979	0.8	A
9008	12873.37	40 53N	111 42E	73.2	188.6	2.738	-2.45	68.0	SO312	.03070	10.0358	0.6	V
9009	12874.77	40 47N	111 40E	73.2	188.6	2.738	-2.45	68.0	SO312	.03070	10.0358	0.4	V
9010	12881.97	40 26N	112 1E	76.6	188.5	2.530	13.30	68.5	SO312	.03070	9.4664	0.6	A
9011	12907.97	38 29N	111 14E	73.7	188.3	2.738	2.80	69.5	SO312	.03070	9.9780	0.6	V
9012	12910.77	38 29N	111 14E	74.6	188.3	2.738	3.15	69.5	SO312	.03070	9.7222	0.6	A
9013	12958.97	35 2N	109 58E	75.4	187.9	2.881	-13.65	71.1	SO312	.03070	9.7305	0.4	V
9014	12969.17	34 24N	109 7E	89.1	187.9	2.530	-35.70	70.8	SO312	.02200	8.2532	0.6	V
9015	12977.57	33 56N	109 48E	75.4	187.8	3.092	-10.50	71.6	SO312	.03070	9.6397	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SUT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1243 9016	13116.37	24 22N	108 2E	77.5	187.1	3.232	-1.05	73.3	SO312	.03070	9.3343	0.4	A
9017	13147.97	22 15N	107 12E	80.9	187.0	3.232	-17.85	72.5	SO312	.03070	8.9547	0.6	A
9018	13161.97	20 53N	106 44E	85.6	187.0	3.092	-26.25	71.9	SO312	.03070	8.4347	0.6	F
9019	13165.97	20 50N	106 37E	87.0	187.0	3.092	-29.40	71.8	SO312	.02200	8.4182	0.8	V
9020	13169.17	20 50N	106 37E	87.9	187.0	3.092	-29.05	71.8	SO312	.02200	8.2614	0.8	A
9021	13218.57	17 5N	107 5E	83.7	186.8	3.092	15.75	71.4	SO312	.03070	8.7484	0.6	V
9022	13247.97	15 10N	105 48E	84.2	186.7	3.439	-21.70	69.6	SO312	.03070	8.6906	0.8	V
9023	13250.97	15 10N	105 47E	85.1	186.7	3.439	-21.35	69.6	SO312	.03070	8.5090	1.0	A
9024	13290.37	12 1N	105 28E	83.2	186.7	3.439	-12.95	67.9	SO312	.03070	8.6906	0.4	F
9025	13293.37	12 1N	105 27E	82.3	186.7	3.439	-12.60	67.9	SO312	.03070	8.8887	0.4	V
9026	13299.97	11 37N	104 55E	90.9	186.6	3.232	-29.40	67.3	SO312	.03070	8.0551	0.6	V
9027	13303.37	11 37N	104 55E	91.7	186.6	3.439	-29.05	67.3	SO312	.02200	7.8983	0.6	A
9028	13312.17	10 44N	105 8E	84.0	186.6	3.439	-16.45	67.0	SO312	.03070	8.6986	0.8	V
9029	13315.37	10 44N	105 7E	85.0	186.6	3.439	-16.10	67.0	SO312	.03070	8.5008	0.6	A
9030	13329.57	9 45N	104 56E	85.9	186.6	3.587	-17.15	66.3	SO312	.03070	8.4100	0.6	A
9031	13440.57	1 41N	103 41E	88.3	186.5	3.587	-11.20	60.3	SO312	.03070	8.1624	1.0	F
9032	13445.37	1 20N	103 46E	87.8	186.5	3.587	-5.25	60.1	SO312	.03070	8.2202	0.8	F
9033	13453.57	1 10N	104 9E	91.3	186.5	3.232	11.55	60.2	SO312	.02200	7.8570	1.0	A
1244 9001	17953.57	56 24N	93 38E	83.2	191.8	1.690	-27.30	55.5	SO312	.03070	8.6988	2.0	F
9002	17959.57	56 24N	93 38E	82.9	191.7	1.690	-26.95	55.5	SO312	.03070	8.7814	2.0	A
9003	18170.17	41 36N	88 42E	88.4	188.7	2.037	-35.00	67.0	SO312	.02200	8.1706	1.4	F
9004	18176.57	41 36N	88 42E	87.7	188.7	2.390	-34.65	67.0	SO312	.02200	8.3027	1.2	A
9005	18185.17	40 44N	88 60E	77.3	188.6	2.530	-20.65	67.8	SO312	.03070	9.4994	1.2	V
9006	18445.97	22 40N	86 21E	89.2	187.1	2.738	26.95	73.7	SO312	.02200	8.2119	0.4	V
9007	18449.17	22 40N	86 21E	90.9	187.0	2.530	27.65	73.7	SO312	.02200	7.9396	0.6	A
1245 5001	23343.37	51 3N	71 29E	83.2	190.3	2.037	24.15	60.5	SO130	.01660	8.7244	0.6	A
9001	23278.17	55 0N	73 26E	89.2	191.5	2.037	30.45	57.2	SO312	.03070	8.1706	1.0	F
9002	23284.57	55 0N	73 27E	90.0	191.3	1.826	31.50	57.2	SO312	.03070	8.0634	1.0	A
9003	23319.37	52 28N	72 2E	82.3	190.7	2.037	24.15	59.3	SO312	.03070	8.9299	0.6	V
9004	23322.57	52 28N	72 2E	83.5	190.7	2.037	24.50	59.3	SO312	.03070	8.6741	0.6	A
9005	23449.97	43 47N	69 10E	85.1	189.0	2.181	26.60	66.4	SO312	.03070	8.5090	0.4	A
9006	23496.77	40 17N	67 20E	73.7	188.6	2.738	-2.10	68.4	SO312	.03070	9.8543	0.4	F
9007	23506.77	39 53N	66 15E	85.5	188.5	2.390	-32.55	68.1	SO312	.03070	8.5833	0.4	V
9008	23509.97	39 52N	66 15E	86.2	188.4	2.390	-32.20	68.1	SO312	.03070	8.4347	0.4	A
9009	23518.57	38 52N	65 55E	89.2	188.4	2.181	-35.00	68.6	SO312	.02200	8.1211	0.6	F
9010	23521.77	38 51N	65 56E	87.6	188.3	2.390	-34.65	68.7	SO312	.02200	8.3687	0.6	V
9011	23536.17	37 40N	67 31E	84.8	188.2	2.390	26.60	70.4	SO312	.02200	8.6576	1.0	V
9012	23539.37	37 39N	67 31E	86.2	188.2	2.390	26.95	70.4	SO312	.02200	8.3852	0.8	A
1246 5001	28609.17	53 34N	49 52E	77.0	191.0	2.181	11.90	58.3	SO130	.02210	9.4425	0.8	F
5002	28611.97	53 34N	49 52E	76.2	191.0	2.181	12.25	58.3	SO130	.02210	9.6489	0.6	V
5003	28616.97	53 23N	50 13E	82.5	190.9	2.181	22.75	58.5	SO130	.02210	8.7987	0.8	A
5004	28645.77	51 37N	47 41E	81.9	190.4	2.037	-26.25	59.6	SO130	.02210	8.8977	0.6	A
5005	28673.57	49 22N	46 5E	101.4	190.0	1.484	-43.75	61.1	SO130	.01660	7.1396	0.6	F
5006	28696.97	48 14N	45 54E	97.0	189.7	1.826	-41.30	62.1	SO130	.01660	7.5276	0.6	A
5007	28705.57	47 32N	46 23E	82.0	189.6	2.181	-26.60	62.8	SO130	.02210	8.8977	0.6	A
9001	28394.37	68 36N	56 32E	84.9	197.7	1.135	-26.25	44.4	SO312	.04070	8.5585	0.6	A
9002	28421.97	66 30N	57 14E	78.8	196.4	1.484	12.60	46.5	SO312	.04070	9.2105	0.8	A
9003	28439.57	65 5N	56 41E	82.3	195.6	1.484	22.05	47.9	SO312	.03070	8.9382	0.6	V
9004	28442.57	65 5N	56 42E	83.4	195.5	1.484	22.40	47.9	SO312	.03070	8.6988	0.6	A
9005	28454.17	64 25N	55 11E	76.4	195.1	1.690	4.55	48.5	SO312	.04070	9.4911	0.4	A
9006	28537.97	58 34N	49 60E	88.7	192.5	1.484	-33.25	53.5	SO312	.03070	8.1376	0.6	F
9007	28544.37	58 34N	49 60E	88.1	192.4	1.690	-32.90	53.6	SO312	.03070	8.2614	0.4	A
9008	28569.37	56 22N	50 5E	76.1	191.8	2.037	-11.90	55.7	SO312	.03070	9.5324	0.4	F
9009	28574.97	56 1N	49 35E	79.0	191.7	1.826	-20.30	55.9	SO312	.03070	9.1527	0.4	F
9010	28581.17	55 49N	49 13E	81.4	191.6	1.826	-26.25	56.0	SO312	.03070	9.0124	0.8	V
9011	28584.17	55 49N	49 13E	82.1	191.5	1.826	-25.90	56.0	SO312	.03070	8.8556	0.8	A
9012	28609.17	53 34N	49 52E	77.0	191.0	2.181	11.90	58.3	SO312	.03070	9.4416	0.6	F
9013	28611.97	53 33N	49 52E	76.2	191.0	2.181	12.25	58.3	SO312	.03070	9.6479	0.6	V
9014	28616.97	53 22N	50 13E	82.5	190.9	2.181	22.75	58.5	SO312	.03070	8.7979	0.6	A
9015	28686.97	48 23N	46 58E	77.5	189.8	2.181	-18.20	62.3	SO312	.03070	9.3508	0.6	F
9016	28689.57	48 23N	46 59E	76.5	189.8	2.181	-17.85	62.3	SO312	.03070	9.6067	0.8	V
9017	28759.57	43 21N	46 5E	74.6	189.0	2.738	-0.70	66.3	SO312	.03070	9.7387	0.6	F
9018	28769.17	43 7N	45 36E	75.8	188.9	2.530	-13.30	66.3	SO312	.03070	9.5819	0.4	A
9019	28781.77	41 53N	45 12E	76.5	188.8	2.530	-16.80	67.1	SO312	.03070	9.4664	0.6	F
9020	28782.97	41 48N	45 10E	76.5	188.8	2.530	-16.80	67.1	SO312	.03070	9.4581	0.4	F
9021	28784.77	41 41N	45 8E	76.7	188.7	2.530	-16.80	67.2	SO312	.03070	9.4416	0.8	F
9022	28787.57	41 40N	45 8E	75.7	188.7	2.530	-16.45	67.2	SO312	.03070	9.6974	0.6	V
9023	28791.17	41 15N	44 59E	77.1	188.7	2.530	-18.20	67.5	SO312	.03070	9.3838	0.4	F
9024	28793.77	41 15N	44 59E	76.1	188.7	2.530	-17.85	67.5	SO312	.03070	9.6397	0.6	V
9025	28800.37	40 51N	44 28E	82.8	188.6	2.390	-30.10	67.5	SO312	.03070	8.8556	0.8	V
9026	28803.37	40 51N	44 28E	83.6	188.6	2.390	-29.75	67.5	SO312	.03070	8.7071	0.6	A
9027	28808.17	40 17N	44 36E	77.8	188.5	2.390	-22.05	68.0	SO312	.03070	9.4334	0.8	V
9028	28812.97	40 11N	44 18E	84.2	188.5	2.390	-30.10	68.0	SO312	.03070	8.6411	0.8	A
9029	28840.17	38 13N	44 31E	74.7	188.3	2.881	-8.05	69.5	SO312	.03070	9.7222	1.0	A
9030	28856.97	36 39N	44 33E	75.8	188.1	2.881	6.30	70.6	SO312	.03070	9.5902	0.8	F
9031	28862.37	36 39N	44 33E	76.1	188.1	2.738	7.35	70.6	SO312	.03070	9.5159	1.0	A
9032	28904.37	33 25N	43 35E	75.6	187.8	2.881	-1.75	72.0	SO312	.02200	9.5984	1.2	F
9033	28909.77	33 26N	43 35E	75.8	187.8	2.881	-1.05	72.0	SO312	.02200	9.5654	1.2	A
9034	29161.37	15 44N	39 58E	80.8	186.8	3.439	-5.95	70.2	SO312	.03070	8.9629	0.6	F
9035	29167.17	15 44N	39 58E	81.0	186.8	3.439	-4.90	70.3	SO312	.03070	8.9217	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1246 9036	29262.37	8 45N	39 1E	84.2	186.6	3.439	7.00	66.1	SO312	.03070	8.5998	0.8	F
9037	29267.57	8 34N	39 15E	88.4	186.6	3.232	17.50	66.1	SO312	.03070	8.2697	0.8	V
9038	29270.97	8 33N	39 16E	90.1	186.6	2.881	18.55	66.1	SO312	.03070	7.9808	0.6	A
9039	29544.57	10 37S	35 36E	96.2	186.6	3.439	4.55	49.8	SO312	.04070	7.4774	1.6	F
1247 9001	33685.77	69 8N	36 6E	77.8	198.6	1.135	-9.80	43.9	SO312	.04070	9.3013	0.4	F
9002	33688.16	69 9N	36 6E	77.0	198.5	1.135	-10.15	43.9	SO312	.04070	9.5324	0.8	V
9003	33693.16	68 51N	35 35E	77.6	198.2	1.135	-13.30	44.2	SO312	.04070	9.4499	0.4	V
9004	33700.37	68 17N	33 54E	87.6	197.8	0.995	-29.75	44.7	SO312	.04070	8.2532	1.2	F
9005	33705.56	68 11N	33 28E	90.2	197.5	0.995	-33.60	44.8	SO312	.03070	8.1376	0.6	V
9006	33708.96	68 10N	33 29E	90.8	197.3	0.995	-33.25	44.8	SO312	.03070	8.0056	0.6	A
9007	33722.97	66 33N	34 57E	77.6	196.7	1.484	8.40	46.4	SO312	.05390	9.3508	1.0	F
9008	33728.56	66 33N	34 56E	77.6	196.4	1.484	8.75	46.4	SO312	.05390	9.3508	0.8	A
9009	33745.16	64 58N	34 36E	84.1	195.7	1.690	23.10	48.0	SO312	.04070	8.6411	0.4	F
9010	33748.97	64 57N	34 18E	80.5	195.6	1.484	19.25	48.0	SO312	.03070	9.1280	0.8	V
9011	33751.97	64 57N	34 17E	81.4	195.4	1.484	19.25	48.0	SO312	.03070	8.9134	0.8	A
9012	33811.76	60 44N	30 8E	76.2	193.4	1.826	-10.15	51.8	SO312	.04070	9.5076	0.6	F
9013	33814.36	60 44N	30 8E	75.2	193.4	1.826	-9.80	51.8	SO312	.04070	9.7552	0.6	V
9014	33821.37	60 2N	30 19E	75.6	193.2	1.826	2.45	52.5	SO312	.04070	9.6149	2.0	F
9015	33826.76	60 2N	30 20E	75.6	193.0	1.826	3.15	52.5	SO312	.04070	9.6067	2.0	A
9016	33830.96	59 45N	30 12E	75.5	192.9	1.826	3.50	52.8	SO312	.04070	9.6067	0.6	A
9017	33840.16	59 2N	30 50E	84.2	192.7	1.690	24.85	53.5	SO312	.03070	8.5998	0.6	A
9018	33849.96	58 10N	30 22E	82.8	192.4	1.826	24.15	54.3	SO312	.03070	8.8887	0.8	V
9019	33852.97	58 10N	30 22E	84.0	192.4	1.826	24.50	54.3	SO312	.03070	8.6411	0.8	A
9020	33863.56	57 25N	28 27E	75.1	192.1	1.826	-11.20	54.7	SO312	.04070	9.7717	0.4	V
9021	33866.16	57 26N	28 27E	75.9	192.0	2.037	-11.20	54.7	SO312	.04070	9.5737	0.6	A
9022	33872.76	56 45N	28 38E	74.1	191.9	2.037	0.35	55.4	SO312	.04070	9.9120	0.4	V
9023	33875.36	56 45N	28 38E	75.0	191.8	2.037	0.70	55.4	SO312	.04070	9.6892	0.4	A
9024	33883.56	55 49N	28 22E	75.2	191.7	2.181	3.50	56.3	SO312	.04070	9.6644	0.6	F
9025	33886.36	55 49N	28 22E	74.3	191.6	2.181	3.85	56.3	SO312	.04070	9.8873	0.6	V
9026	33891.17	55 27N	28 34E	76.6	191.5	2.181	12.95	56.7	SO312	.03070	9.5984	0.8	V
9027	33894.17	55 26N	28 34E	77.6	191.5	2.181	13.30	56.7	SO312	.03070	9.3508	0.6	A
9028	33900.16	54 59N	28 50E	83.3	191.3	1.826	24.15	57.1	SO312	.03070	8.7071	0.8	A
9029	33905.17	54 15N	28 31E	82.9	191.2	2.037	23.45	57.8	SO312	.03070	8.7814	0.6	F
9030	33908.17	54 14N	28 31E	82.2	191.2	2.037	23.80	57.8	SO312	.03070	8.9464	0.6	V
9031	33914.56	53 53N	27 40E	74.6	191.1	2.181	6.65	58.0	SO312	.03070	9.8543	0.6	V
9032	33917.36	53 53N	27 40E	75.6	191.0	2.181	7.00	58.0	SO312	.03070	9.6067	0.6	A
9033	33927.97	53 7N	26 3E	81.8	190.8	1.826	-27.30	58.3	SO312	.03070	8.9959	0.6	V
9034	33930.97	53 7N	26 4E	82.3	190.8	2.037	-26.95	58.3	SO312	.03070	8.8391	0.6	A
9035	33958.16	50 51N	25 23E	81.1	190.3	2.037	-25.20	60.2	SO312	.03070	8.9217	1.4	F
9036	33963.96	50 51N	25 23E	80.7	190.3	2.037	-24.50	60.2	SO312	.03070	9.0207	1.4	A
9037	33977.56	49 17N	26 57E	89.1	190.1	2.181	30.80	62.1	SO312	.03070	8.1624	0.6	F
9038	33981.77	49 13N	26 52E	87.3	190.0	2.181	30.10	62.1	SO312	.03070	8.4017	0.6	V
9039	33984.96	49 13N	26 53E	88.7	190.0	2.181	30.45	62.1	SO312	.03070	8.1459	0.6	A
9040	33996.77	48 34N	25 2E	75.9	189.8	2.390	-14.35	62.2	SO312	.03070	9.5654	0.6	A
9041	34015.56	47 10N	23 53E	86.4	189.6	2.037	-33.60	63.0	SO312	.03070	8.4843	0.6	V
9042	34018.76	47 10N	23 53E	87.1	189.5	2.037	-33.25	63.0	SO312	.03070	8.3440	0.6	A
9043	34032.56	45 43N	24 24E	74.7	189.4	2.530	-8.75	64.5	SO312	.03070	9.7140	1.0	F
9044	34037.97	45 43N	24 24E	74.6	189.3	2.530	-7.70	64.5	SO312	.03070	9.7470	0.8	A
9045	34047.37	44 60N	24 59E	79.1	189.2	2.390	17.50	65.3	SO312	.03070	9.1527	1.2	A
9046	34052.76	44 24N	25 1E	81.5	189.1	2.390	22.75	65.8	SO312	.03070	9.0124	0.8	V
9047	34055.76	44 24N	25 0E	82.6	189.1	2.181	23.10	65.8	SO312	.03070	8.7731	0.8	A
9048	34063.97	43 29N	24 31E	78.6	189.0	2.530	15.75	66.4	SO312	.02200	9.2683	0.8	F
9049	34066.76	43 29N	24 31E	77.8	189.0	2.530	16.10	66.4	SO312	.02200	9.4499	0.8	V
9050	34074.56	42 40N	24 48E	88.6	188.9	2.390	30.10	67.2	SO312	.03070	8.2284	0.8	F
9051	34077.76	42 40N	24 48E	87.7	188.9	2.181	30.45	67.2	SO312	.03070	8.3935	0.6	V
9052	34081.76	42 10N	24 43E	90.3	188.8	2.390	31.50	67.6	SO312	.03070	8.0799	0.6	F
9053	34084.96	42 10N	24 44E	89.8	188.8	2.181	32.20	67.6	SO312	.03070	8.1954	0.6	V
9054	34091.16	41 46N	24 24E	84.5	188.7	2.390	26.95	67.8	SO312	.03070	8.6906	0.4	V
9055	34094.36	41 45N	24 24E	86.0	188.7	2.181	27.65	67.8	SO312	.03070	8.4265	0.4	A
9056	34105.56	40 59N	24 25E	92.1	188.6	2.037	33.25	68.5	SO312	.02200	7.8488	1.0	A
9057	34144.96	38 4N	23 33E	88.6	188.3	2.390	30.45	70.3	SO312	.03070	8.2862	1.4	V
9058	34149.17	37 60N	23 33E	90.3	188.2	2.181	31.15	70.3	SO312	.02200	8.0138	0.4	A
9059	34163.77	36 57N	21 43E	78.6	188.1	2.738	-21.70	70.0	SO312	.03070	9.3343	1.0	V
9060	34230.56	32 11N	20 17E	88.5	187.7	2.530	-33.25	71.7	SO312	.01650	8.1541	1.4	F
9061	34236.96	32 11N	20 16E	88.1	187.7	2.738	-32.90	71.7	SO312	.01650	8.2532	1.4	A
9062	34756.56	4 13S	15 19E	107.1	186.5	2.738	28.35	55.9	SO312	.02200	6.7511	2.0	F
9063	34761.17	4 17S	15 18E	106.7	186.5	2.530	29.05	55.9	SO312	.02200	6.8172	0.6	V
9064	34764.36	4 13S	15 19E	108.5	186.5	2.530	29.40	56.0	SO312	.02200	6.5778	0.6	A
9065	34765.56	4 18S	15 18E	108.6	186.5	2.530	29.40	55.9	SO312	.02200	6.5696	0.8	A
9066	34782.37	5 48S	13 28E	100.0	186.5	3.587	-25.90	53.7	SO312	.03070	7.1638	1.0	F
9067	34789.56	5 48S	13 28E	99.9	186.6	3.808	-25.20	53.7	SO312	.03070	7.1968	1.2	A
9068	34830.36	8 53S	13 23E	94.2	186.6	3.587	-9.80	51.2	SO312	.03070	7.7085	0.6	V
9069	34833.76	8 53S	13 22E	95.4	186.6	3.587	-9.45	51.2	SO312	.03070	7.5021	0.6	A
9070	34875.76	12 20S	13 34E	103.8	186.7	3.092	17.50	48.5	SO312	.03070	6.9409	0.8	F
9071	34879.17	12 18S	13 33E	102.7	186.7	2.881	17.50	48.5	SO312	.04070	7.0647	1.2	V
9072	34883.36	12 20S	13 35E	105.2	186.7	2.881	18.90	48.5	SO312	.03070	6.7676	0.8	A
1248 9001	39246.36	52 3N	5 54E	89.0	190.6	1.826	31.85	59.8	SO312	.03070	8.2697	0.4	V
9002	39249.56	52 3N	5 54E	90.4	190.6	1.826	32.20	59.8	SO312	.03070	8.0221	0.6	A
9003	39254.96	51 30N	5 24E	83.7	190.5	2.037	25.90	60.2	SO312	.03070	8.7896	1.4	V
9004	39260.56	51 18N	5 38E	90.8	190.4	1.826	32.55	60.4	SO312	.03070	7.9808	1.4	A
9005	39296.96	48 38N	2 41E	79.4	189.9	2.181	-22.40	62.0	SO312	.03070	9.1155	0.6	F
9006	39299.76	48 38N	2 41E	78.3	189.8	2.181	-22.05	62.0	SO312	.03070	9.3673	0.6	V
9007	39322.16	47 5N	2 23E	76.2	189.6	2.390	-17.50	63.3	SO312	.03070	9.6397	0.6	V
9008	39324.96	47 5N	2 23E	77.0	189.5	2.390	-17.15	63.3	SO312	.03070	9.4416	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1248 9009	39486.16	35 39N	0 36W	78.4	188.0	2.738	-18.90	70.7	SO312	.01650	9.2435	0.8	F
9010	39488.96	35 39N	0 36W	77.4	188.0	2.738	-18.55	70.7	SO312	.02200	9.4911	0.6	V
9011	39492.76	35 12N	0 35W	76.9	188.0	2.738	-15.05	70.9	SO312	.03070	9.4251	0.6	F
9012	39495.36	35 12N	0 35W	75.9	188.0	2.738	-14.70	70.9	SO312	.03070	9.6727	0.6	V
9013	39504.76	34 38N	1 24W	88.7	187.9	2.530	-35.70	70.7	SO312	.03070	8.2862	1.0	V
9014	39508.36	34 36N	1 23W	89.1	187.9	2.530	-35.00	70.8	SO312	.02200	8.1459	0.6	A
9015	39517.36	33 39N	0 35W	74.2	187.8	2.881	-2.10	71.8	SO312	.03070	9.9038	0.4	V
9016	39520.16	33 39N	0 36W	75.1	187.8	2.881	-1.75	71.9	SO312	.03070	9.6562	0.4	A
1250 9001	50590.16	2 6N	50 47W	87.7	186.5	3.439	-0.35	60.8	SO312	.03070	8.1954	1.4	A
9002	50627.76	0 50S	52 35W	116.7	186.5	2.881	-42.70	57.5	SO312	.02200	6.1239	1.4	F
9003	50636.76	1 12S	52 21W	104.8	186.5	3.232	-35.35	57.4	SO312	.02200	6.9327	0.8	V
9004	50643.56	1 41S	52 14W	98.9	186.5	3.439	-29.40	57.1	SO312	.03070	7.3618	1.4	V
9005	50938.36	22 2S	56 31W	129.1	187.0	2.881	-38.50	38.6	SO312	.03070	5.5049	1.4	F
9006	50953.16	22 38S	55 14W	105.0	187.1	3.232	-0.35	38.7	SO312	.03070	6.7676	1.4	A
9007	50968.16	24 3S	54 11W	129.7	187.1	2.181	33.60	37.9	SO312	.03070	5.5544	1.0	V
9008	51085.16	31 23S	58 3W	122.4	187.7	3.232	-25.90	30.0	SO312	.03070	5.8020	0.6	A
9009	51099.76	32 58S	58 36W	127.9	187.7	2.881	-30.10	28.4	SO312	.03070	5.5379	1.4	F
9010	51109.36	32 60S	58 30W	125.2	187.8	3.232	-27.30	28.5	SO312	.03070	5.6700	0.6	A
9011	51122.96	34 33S	58 30W	119.9	187.9	3.092	-19.95	27.1	SO312	.03070	5.9258	0.6	F
9012	51127.36	34 34S	58 30W	118.6	187.9	3.092	-19.60	27.1	SO312	.04070	6.0579	0.4	V
9013	51130.96	34 48S	58 34W	118.8	187.9	3.092	-19.60	26.9	SO312	.04070	6.0496	0.4	V
9014	51135.36	34 48S	58 34W	120.4	188.0	3.092	-19.25	26.9	SO312	.03070	5.8928	0.6	A
9015	51164.96	37 26S	58 35W	117.1	188.2	2.881	-5.25	24.6	SO312	.04070	6.0661	0.6	F
9016	51168.56	37 41S	58 38W	117.2	188.2	2.881	-5.25	24.3	SO312	.04070	6.0579	0.6	F
9017	51171.76	37 36S	58 41W	116.2	188.2	2.881	-6.30	24.4	SO312	.04070	6.1652	0.8	V
9018	51175.96	37 36S	58 34W	117.7	188.2	2.881	-3.15	24.4	SO312	.04070	6.0001	0.8	A
9019	51184.16	38 6S	59 6W	119.9	188.3	3.092	-12.60	23.8	SO312	.04070	5.8928	0.8	A
9020	51185.96	38 13S	59 8W	120.0	188.3	3.092	-12.60	23.7	SO312	.04070	5.8928	0.6	A
1251 5001	55757.76	11 11N	72 16W	99.7	186.6	2.881	-36.75	66.8	SO130	.01660	7.2139	0.8	F
9001	55653.36	18 29N	69 54W	78.9	186.9	3.232	1.40	71.7	SO312	.03070	9.2848	0.4	V
9002	55656.16	18 29N	69 54W	80.0	186.9	3.232	1.75	71.7	SO312	.03070	9.0290	0.4	A
9003	55767.16	10 41N	71 37W	82.6	186.6	3.439	-10.85	67.1	SO312	.03070	8.8556	0.6	V
9004	55770.16	10 41N	71 37W	83.6	186.6	3.439	-10.50	67.1	SO312	.03070	8.6328	0.6	A
9005	55778.56	10 3N	71 4W	88.3	186.6	3.092	16.10	67.2	SO312	.03070	8.1376	1.4	A
9006	55787.36	9 1N	71 22W	86.2	186.6	3.232	10.85	66.3	SO312	.03070	8.4182	0.6	F
9007	55794.36	9 2N	71 56W	84.6	186.6	3.439	-11.20	65.9	SO312	.03070	8.5255	1.4	A
9008	55802.36	8 17N	72 16W	86.4	186.6	3.439	-19.25	65.2	SO312	.03070	8.4595	1.4	V
9009	55808.76	7 50N	72 12W	84.8	186.6	3.439	-14.00	65.0	SO312	.03070	8.6163	1.2	V
9010	55814.76	7 37N	72 2W	84.4	186.6	3.587	-5.25	65.0	SO312	.03070	8.5420	1.4	A
9011	55820.56	6 58N	71 52W	84.6	186.6	3.587	5.25	64.7	SO312	.03070	8.6328	0.6	V
9012	55827.56	6 13N	71 37W	92.0	186.6	3.232	19.25	64.4	SO312	.03070	7.8818	0.6	F
9013	55834.76	6 12N	71 56W	87.0	186.5	3.232	8.75	64.2	SO312	.03070	8.2697	0.6	A
9014	55844.56	5 20N	72 21W	84.5	186.5	3.439	-2.10	63.3	SO312	.03070	8.6493	0.6	V
9015	55852.76	4 36N	72 52W	88.7	186.5	3.439	-18.20	62.5	SO312	.03070	8.1211	1.4	F
9016	55860.76	4 32N	73 8W	93.5	186.5	3.587	-26.25	62.3	SO312	.03070	7.7167	1.4	A
9017	55911.96	0 32N	73 34W	91.0	186.5	3.587	-17.85	59.2	SO312	.03070	7.9065	1.0	F
9018	55922.16	0 8S	74 14W	104.6	186.5	3.232	-35.00	58.3	SO312	.02200	6.8502	1.0	F
9019	55979.56	3 44S	73 18W	99.9	186.5	2.881	21.00	56.2	SO312	.02200	7.1555	1.4	A
9020	56051.16	8 58S	76 0W	116.1	186.6	3.092	-38.50	50.6	SO312	.02200	6.1569	0.8	F
9021	56058.76	9 13S	75 54W	109.9	186.6	3.232	-34.65	50.5	SO312	.02200	6.6026	0.8	V
9022	56062.56	9 13S	75 49W	108.5	186.6	3.439	-32.20	50.5	SO312	.03070	6.6356	1.0	A
9023	56123.76	13 43S	76 13W	100.8	186.7	3.439	-19.25	46.7	SO312	.02200	7.1968	1.0	V
9024	56127.36	13 42S	76 13W	102.0	186.7	3.439	-18.90	46.7	SO312	.02200	7.0235	1.0	A
1252 9001	60647.76	39 52N	86 2W	103.1	188.5	1.826	41.30	69.4	SO312	.01650	7.0070	2.8	A
1253 9001	66053.96	32 32N	111 18W	75.5	187.7	3.092	-0.70	72.3	SO312	.02200	9.6232	0.8	F
9002	66059.36	32 33N	111 19W	75.6	187.7	3.092	0.00	72.3	SO312	.02200	9.5819	0.8	A
1254 5001	70051.56	56 0N	36 8E	114.7	348.2	-1.462	36.75	-6.1	SO130	.29590	6.3060	0.6	A
1257 9001	424.16	64 42N	170 26E	83.4	195.3	1.135	-26.25	48.0	SO312	.03070	8.8144	0.8	V
9002	427.36	64 41N	170 27E	84.0	195.1	1.338	-25.90	48.0	SO312	.03070	8.6576	0.8	A
9003	564.16	55 13N	165 57E	79.2	191.4	1.826	-22.40	56.5	SO312	.04070	9.2683	0.4	V
9004	567.16	55 13N	165 56E	80.1	191.4	2.037	-22.75	56.5	SO312	.04070	9.0785	0.4	A
1258 9001	5992.56	46 46N	142 46E	87.0	189.6	2.390	28.35	64.1	SO312	.03070	8.3852	0.6	F
9002	5996.56	46 41N	142 49E	87.8	189.5	2.181	30.45	64.1	SO312	.03070	8.3935	0.4	V
9003	5999.76	46 41N	142 49E	89.1	189.5	2.181	30.80	64.1	SO312	.03070	8.1376	0.4	A
9004	6008.76	45 55N	142 6E	78.9	189.4	2.390	18.55	64.6	SO312	.02200	9.3178	0.4	V
9005	6011.56	45 55N	142 6E	80.0	189.3	2.390	18.90	64.6	SO312	.02200	9.0537	0.4	A
9006	6151.16	35 57N	139 29E	81.9	188.1	2.738	20.65	71.2	SO312	.03070	8.8887	0.8	F
9007	6156.96	35 57N	139 29E	82.6	188.0	2.530	21.70	71.2	SO312	.03070	8.7649	1.0	A
1259 9001	11443.16	37 33N	116 13E	84.1	188.2	2.530	-30.45	69.4	SO312	.03070	8.7153	0.4	V
9002	11448.36	37 10N	116 26E	78.2	188.2	2.738	-21.00	69.8	SO312	.02200	9.3921	0.4	V
9003	11512.16	32 56N	115 47E	76.2	187.7	3.092	-9.80	71.9	SO312	.02200	9.5241	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1259 9004	11524.56	31 46N	116 31E	85.3	187.7	2.530	25.55	73.1	SO312	.03070	8.6163	0.4	V
9005	11527.56	31 47N	116 32E	86.9	187.6	2.530	26.25	73.1	SO312	.03070	8.3192	0.4	A
9006	11542.76	30 29N	114 52E	82.0	187.6	2.881	-24.50	72.3	SO312	.03070	8.8144	0.4	F
9007	11550.56	30 17N	115 17E	76.1	187.5	3.092	-7.00	72.8	SO312	.03070	9.5324	0.4	A
9008	11568.36	28 47N	115 43E	82.3	187.4	2.738	21.00	73.7	SO312	.03070	8.9052	0.4	V
9009	11571.56	28 46N	115 40E	82.5	187.4	2.738	19.60	73.6	SO312	.03070	8.7484	0.4	A
9010	11575.96	28 3N	115 33E	83.1	187.4	2.738	19.95	73.7	SO312	.02200	8.7484	0.8	F
9011	11581.96	28 3N	115 34E	84.0	187.4	2.738	21.00	73.8	SO312	.02200	8.5915	0.8	A
9012	11629.36	24 30N	113 51E	80.0	187.2	3.092	-18.20	72.9	SO312	.03070	9.0455	0.6	F
9013	11634.36	24 33N	113 50E	80.5	187.1	3.092	-18.20	72.9	SO312	.03070	9.0207	1.0	A
9014	11652.56	22 51N	114 1E	78.3	187.1	3.232	1.40	73.1	SO312	.03070	9.2765	0.4	F
9015	11661.76	22 43N	113 14E	85.6	187.0	3.232	-26.95	72.4	SO312	.03070	8.4843	0.4	A
9016	11673.56	21 53N	113 12E	83.4	187.0	3.232	-22.75	72.3	SO312	.03070	8.6906	0.6	A
9017	11863.96	8 40N	111 55E	92.8	186.6	2.881	21.70	66.3	SO312	.02200	7.7415	1.0	A
9018	12085.96	6 53S	107 36E	110.2	186.6	3.232	-35.35	52.5	SO312	.02200	6.4870	0.6	F
9019	12089.76	6 52S	107 36E	108.3	186.6	3.232	-34.65	52.6	SO312	.02200	6.6934	2.0	V
9020	12095.16	6 58S	107 34E	109.8	186.6	3.439	-34.65	52.5	SO312	.02200	6.5613	0.6	A
1260 9001	16452.76	57 59N	102 49E	84.1	192.3	1.690	24.85	54.4	SO312	.02200	8.6163	0.6	A
9002	16478.36	56 16N	101 57E	83.3	191.7	1.826	24.15	56.0	SO312	.02200	8.7071	0.4	A
9003	16679.96	42 30N	95 37E	77.3	188.8	2.530	-21.35	66.5	SO312	.03070	9.4994	0.4	V
9004	16693.56	41 34N	95 19E	78.1	188.7	2.530	-23.45	67.1	SO312	.03070	9.3921	0.4	V
9005	16746.56	37 49N	95 28E	75.7	188.2	2.738	14.35	70.0	SO312	.03070	9.7140	0.6	V
9006	16749.36	37 49N	95 28E	76.8	188.2	2.738	14.70	70.1	SO312	.03070	9.4416	0.6	A
9007	16763.56	36 40N	95 3E	74.6	188.1	2.738	9.45	70.6	SO312	.03070	9.8543	0.6	V
9008	16766.36	36 39N	95 3E	75.6	188.1	2.738	9.80	70.6	SO312	.03070	9.5819	0.6	A
9009	16877.36	29 4N	92 57E	74.9	187.4	3.092	-5.95	73.0	SO312	.02200	9.6892	0.4	A
1261 9001	21585.36	69 22N	88 14E	79.3	198.9	1.338	11.90	43.7	SO312	.04070	9.1445	0.6	F
9002	21590.96	69 23N	88 15E	79.4	198.6	1.135	12.60	43.7	SO312	.04070	9.1362	0.6	A
9003	21811.96	54 22N	77 22E	77.6	191.2	2.037	-17.50	57.3	SO312	.03070	9.3343	0.6	F
9004	21817.56	54 22N	77 22E	77.3	191.1	2.037	-16.80	57.3	SO312	.03070	9.4086	0.6	A
9005	21875.96	49 59N	77 39E	88.9	190.2	2.037	31.85	61.5	SO312	.03070	8.2614	0.6	V
9006	21879.16	49 60N	77 39E	90.4	190.1	2.037	32.20	61.5	SO312	.03070	8.0056	0.6	A
9007	21928.96	46 36N	74 28E	80.1	189.5	2.181	-25.55	63.5	SO312	.02200	9.1610	0.4	V
9008	21931.96	46 36N	74 28E	80.9	189.4	2.390	-25.55	63.5	SO312	.02200	8.9959	0.4	A
9009	21967.16	43 37N	75 13E	82.4	189.0	2.530	23.10	66.4	SO312	.02200	8.8474	1.0	F
9010	21970.16	43 36N	75 13E	81.7	189.0	2.530	23.45	66.4	SO312	.02200	9.0042	0.8	V
9011	21978.56	42 54N	74 36E	76.4	188.9	2.738	10.85	66.7	SO312	.03070	9.5159	0.4	F
9012	21981.16	42 54N	74 35E	75.5	188.9	2.530	10.85	66.7	SO312	.02200	9.7367	0.4	V
9013	21983.96	42 54N	74 35E	76.5	188.9	2.530	11.20	66.7	SO312	.02200	9.4829	0.8	A
9014	22011.96	40 45N	72 18E	96.4	188.6	2.037	-40.95	67.3	SO312	.02200	7.4856	0.6	F
9015	22018.76	40 45N	72 18E	95.3	188.5	2.181	-40.25	67.3	SO312	.02200	7.6259	0.6	A
9016	22107.96	34 23N	72 39E	80.8	187.9	2.738	18.90	71.9	SO312	.03070	8.9547	0.4	A
9017	22113.76	33 45N	72 50E	87.1	187.8	2.530	28.35	72.4	SO312	.03070	8.4430	0.4	V
9018	22116.96	33 45N	72 50E	88.5	187.8	2.530	28.70	72.4	SO312	.02200	8.1624	0.4	A
9019	22135.16	32 24N	71 27E	75.4	187.7	3.092	-9.45	72.1	SO312	.02200	9.7367	0.4	V
9020	22137.96	32 24N	71 27E	76.3	187.7	3.092	-9.10	72.1	SO312	.02200	9.5159	0.4	A
9021	22163.36	30 13N	71 27E	77.6	187.5	3.092	7.70	73.1	SO312	.02200	9.3673	0.6	F
9022	22168.96	30 13N	71 27E	78.0	187.5	2.881	8.75	73.1	SO312	.02200	9.2848	0.6	A
1262 5001	27052.36	59 26N	56 46E	85.5	192.7	1.690	-29.75	52.7	SO130	.02210	8.5181	0.8	A
5002	27211.56	48 5N	53 44E	74.7	189.8	2.390	1.40	62.7	SO130	.02210	9.7314	0.8	F
5003	27216.76	48 5N	53 44E	74.8	189.7	2.390	2.10	62.7	SO130	.02210	9.7066	1.0	A
9001	26871.56	71 7N	66 46E	76.8	200.4	1.135	-6.30	41.9	SO312	.04070	9.5489	0.4	V
9002	26917.36	67 60N	64 45E	78.0	197.6	1.338	12.25	45.0	SO312	.02200	9.4168	0.4	V
9003	26921.96	67 30N	64 21E	79.1	197.4	1.338	12.95	45.5	SO312	.03070	9.1775	1.0	F
9004	26927.56	67 31N	64 21E	79.2	197.1	1.338	13.30	45.5	SO312	.03070	9.1610	1.2	A
9005	27033.36	60 17N	57 18E	84.1	193.2	1.484	-27.65	52.0	SO312	.03070	8.5998	0.4	F
9006	27036.36	60 17N	57 19E	82.8	193.1	1.484	-27.30	52.0	SO312	.03070	8.8556	0.4	V
9007	27042.36	59 42N	56 44E	88.4	193.0	1.338	-32.55	52.5	SO312	.03070	8.1789	0.8	F
9008	27045.36	59 42N	56 44E	87.0	192.9	1.338	-32.20	52.5	SO312	.03070	8.4430	1.0	V
9009	27052.16	59 26N	56 46E	85.5	192.7	1.690	-29.75	52.7	SO312	.03070	8.5173	1.0	A
9010	27066.16	58 4N	56 19E	83.3	192.4	1.484	-26.95	54.0	SO312	.03070	8.6741	0.8	F
9011	27069.16	58 4N	56 18E	82.2	192.3	1.690	-26.95	54.0	SO312	.03070	8.9299	0.8	V
9012	27073.16	57 47N	56 19E	80.3	192.2	1.690	-24.15	54.3	SO312	.03070	9.1445	1.4	V
9013	27076.96	57 43N	56 18E	81.0	192.1	1.690	-23.80	54.3	SO312	.03070	8.9794	0.6	A
9014	27081.76	57 20N	56 33E	76.9	192.0	2.037	-15.05	54.7	SO312	.03070	9.4499	1.0	A
9015	27112.56	55 0N	56 4E	73.9	191.4	2.037	-2.45	56.9	SO312	.04070	9.9450	0.6	V
9016	27115.36	55 0N	56 4E	74.7	191.3	2.037	-2.10	56.9	SO312	.03070	9.7222	0.4	A
9017	27119.36	54 44N	55 55E	74.7	191.2	2.037	-3.15	57.1	SO312	.03070	9.7222	0.4	A
9018	27132.56	53 27N	55 38E	74.9	191.0	2.181	2.10	58.2	SO312	.03070	9.6974	1.0	F
9019	27137.96	53 27N	55 38E	75.0	190.9	2.181	2.80	58.2	SO312	.03070	9.6892	1.0	A
9020	27143.96	52 49N	55 47E	76.4	190.8	2.181	12.95	58.9	SO312	.03070	9.6232	0.6	V
9021	27146.76	52 49N	55 47E	77.4	190.7	2.181	13.30	58.9	SO312	.03070	9.3756	0.6	A
9022	27155.76	51 51N	55 10E	75.3	190.6	2.390	5.25	59.6	SO312	.03070	9.6562	1.0	F
9023	27158.96	51 49N	55 8E	74.4	190.5	2.181	5.60	59.6	SO312	.03070	9.8790	0.6	V
9024	27162.96	51 34N	54 57E	74.0	190.5	2.181	3.15	59.8	SO312	.03070	9.9285	0.6	V
9025	27165.76	51 33N	54 57E	74.9	190.4	2.181	3.50	59.8	SO312	.03070	9.6892	0.6	A
9026	27210.96	48 7N	53 45E	74.7	189.8	2.390	1.40	62.6	SO312	.03070	9.7305	1.4	F
9027	27216.16	48 7N	53 45E	74.8	189.7	2.390	2.10	62.6	SO312	.03070	9.7057	1.4	A
9028	27283.96	43 38N	51 17E	86.0	188.9	2.390	-31.85	65.6	SO312	.03070	8.4678	0.8	A
9029	27324.16	40 25N	52 44E	95.1	188.6	2.037	36.40	68.8	SO312	.01650	7.7250	0.6	V
9030	27327.56	40 25N	52 44E	96.7	188.5	2.037	36.75	68.8	SO312	.01650	7.4691	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1262 9031	27425.56	33 47N	49 51E	75.1	187.8	2.881	-1.40	71.8	SO312	.03070	9.6562	1.0	A
9032	27456.16	31 22N	48 40E	82.7	187.6	2.738	-25.55	72.1	SO312	.03070	8.7484	0.8	F
9033	27458.96	31 22N	48 40E	81.6	187.6	2.738	-25.20	72.1	SO312	.03070	8.9959	1.0	V
9034	27490.76	28 59N	48 11E	83.2	187.4	2.881	-25.55	72.6	SO312	.03070	8.6906	1.6	F
9035	27496.76	28 59N	48 11E	82.8	187.4	3.092	-24.85	72.6	SO312	.03070	8.7814	1.4	A
9036	27706.76	14 20N	45 16E	88.6	186.7	3.232	-29.05	69.0	SO312	.03070	8.2449	1.0	V
9037	27710.36	14 18N	45 16E	89.3	186.7	3.232	-28.35	69.0	SO312	.03070	8.1129	0.6	A
9038	27724.76	12 52N	45 3E	90.4	186.7	3.232	-27.65	68.1	SO312	.01650	7.9643	0.8	F
9039	27727.76	12 53N	45 3E	89.2	186.7	3.232	-27.30	68.1	SO312	.03070	8.1871	1.0	V
9040	27730.96	12 53N	45 3E	90.3	186.7	3.439	-27.30	68.1	SO312	.03070	8.0303	0.8	A
9041	27774.76	9 39N	44 25E	91.5	186.6	3.232	-29.05	66.0	SO312	.03070	7.9808	0.6	V
9042	27778.16	9 39N	44 26E	92.3	186.6	3.439	-28.70	66.0	SO312	.02200	7.8488	0.6	A
9043	27866.16	3 6N	43 44E	88.1	186.5	3.587	-12.60	61.4	SO312	.03070	8.1789	0.6	F
9044	27869.16	3 7N	43 44E	87.2	186.5	3.587	-12.25	61.4	SO312	.03070	8.3605	0.6	V
9045	28132.56	15 5S	39 18E	131.5	186.7	2.881	-43.05	45.0	SO312	.02200	5.4059	0.6	F
9046	28137.36	15 5S	39 17E	129.7	186.7	3.092	-43.05	45.0	SO312	.02200	5.5875	1.0	V
9047	28142.56	15 7S	39 16E	131.0	186.8	3.092	-42.70	44.9	SO312	.02200	5.4884	0.6	A
1263 5001	32386.56	56 45N	37 8E	108.2	192.1	1.690	43.75	55.7	SO130	.01660	6.7517	0.6	F
5002	32393.36	56 54N	35 56E	83.9	191.9	1.826	24.50	55.4	SO130	.02210	8.6419	0.4	A
5003	32426.56	54 45N	32 4E	96.4	191.2	1.484	-41.30	56.7	SO130	.02210	7.6101	0.4	V
9001	32231.76	67 42N	40 59E	76.5	197.3	1.338	-9.80	45.2	SO312	.04070	9.5902	0.4	V
9002	32234.56	67 42N	40 58E	77.4	197.1	1.338	-9.80	45.2	SO312	.04070	9.3838	0.4	A
9003	32241.96	67 8N	41 14E	76.6	196.8	1.484	2.45	45.8	SO312	.04070	9.4746	0.4	A
9004	32273.56	64 36N	39 48E	78.2	195.4	1.690	11.55	48.2	SO312	.04070	9.2848	1.0	F
9005	32275.16	64 30N	39 44E	78.2	195.4	1.690	11.55	48.3	SO312	.04070	9.2931	0.4	F
9006	32279.16	64 36N	39 48E	78.3	195.2	1.484	12.25	48.2	SO312	.04070	9.2683	1.0	A
9007	32280.76	64 30N	39 44E	78.3	195.2	1.484	12.25	48.3	SO312	.04070	9.2765	0.4	A
9008	32374.56	57 56N	35 4E	75.3	192.3	2.037	-7.00	54.2	SO312	.04070	9.6314	0.6	F
9009	32393.76	56 52N	35 55E	83.9	191.9	1.826	24.50	55.4	SO312	.03070	8.6411	0.4	A
9010	32403.96	56 19N	34 17E	75.2	191.7	2.037	-8.05	55.7	SO312	.04070	9.0644	0.8	A
9011	32417.16	55 6N	33 15E	79.3	191.4	1.826	-21.35	56.6	SO312	.03070	9.1362	0.4	F
9012	32419.96	55 6N	33 15E	78.3	191.4	1.826	-21.35	56.6	SO312	.03070	9.3756	0.4	V
9013	32435.56	54 11N	33 15E	75.8	191.1	2.037	-12.25	57.5	SO312	.03070	9.5902	0.4	A
9014	32465.56	51 38N	33 29E	80.2	190.6	2.181	19.25	59.9	SO312	.03070	9.0620	0.6	F
9015	32475.56	51 7N	31 53E	78.2	190.4	2.037	-19.60	60.0	SO312	.03070	9.2600	0.8	F
9016	32481.16	51 7N	31 53E	77.9	190.3	2.181	-18.90	60.0	SO312	.03070	9.3343	0.8	A
9017	32494.36	50 4N	32 60E	81.8	190.1	2.181	22.05	61.3	SO312	.03070	8.8556	1.0	A
9018	32512.36	48 37N	30 56E	79.8	189.9	2.181	-23.10	62.0	SO312	.03070	9.0702	1.8	F
9019	32517.36	48 17N	30 42E	82.0	189.8	2.181	-26.60	62.2	SO312	.03070	8.8226	1.8	F
9020	32521.16	48 13N	30 41E	80.8	189.8	2.181	-26.25	62.2	SO312	.03070	9.0867	1.6	V
9021	32533.76	46 58N	31 59E	82.0	189.6	2.390	22.05	63.8	SO312	.04070	8.8721	0.6	F
9022	32536.76	46 58N	31 58E	81.2	189.6	2.181	22.40	63.8	SO312	.04070	9.0620	0.6	V
9023	32537.96	46 53N	31 57E	81.2	189.5	2.181	22.40	63.8	SO312	.04070	9.0620	0.4	V
9024	32547.76	46 21N	30 33E	75.5	189.4	2.390	-15.05	63.8	SO312	.03070	9.7305	0.6	V
9025	32550.56	46 21N	30 33E	76.3	189.4	2.390	-14.70	63.8	SO312	.03070	9.5324	0.4	A
9026	32622.56	41 3N	28 59E	78.1	188.7	2.530	-19.25	67.5	SO312	.03070	9.2683	0.4	F
9027	32625.16	41 4N	28 59E	77.1	188.6	2.530	-18.90	67.5	SO312	.03070	9.5159	1.2	V
9028	33393.16	11 48S	19 55E	103.6	186.7	2.881	19.95	49.1	SO312	.03070	7.0070	0.4	V
9029	33396.96	11 48S	19 55E	105.6	186.7	2.881	20.65	49.1	SO312	.03070	6.7429	0.4	A
1264 9001	37735.16	54 12N	12 7E	77.2	191.2	2.181	12.25	57.7	SO312	.04070	9.4251	0.8	F
9002	37737.96	54 12N	12 7E	76.4	191.2	2.181	12.60	57.7	SO312	.04070	9.6232	0.8	V
9003	37745.96	53 34N	12 38E	87.7	191.0	1.826	30.45	58.4	SO312	.03070	8.3935	0.8	V
9004	37749.16	53 34N	12 39E	89.0	191.0	1.826	30.80	58.4	SO312	.03070	8.1459	0.8	A
9005	37756.16	52 39N	12 22E	90.4	190.8	2.037	31.85	59.2	SO312	.03070	8.0634	0.6	F
9006	37759.36	52 34N	12 22E	89.9	190.8	1.826	32.55	59.2	SO312	.03070	8.1954	0.6	V
9007	37764.56	52 9N	11 41E	81.7	190.7	2.037	21.70	59.5	SO312	.03070	8.9134	0.8	F
9008	37767.56	52 9N	11 41E	80.9	190.6	2.037	22.05	59.5	SO312	.03070	9.0785	0.6	V
9009	37772.56	51 45N	11 60E	89.4	190.6	1.826	32.20	60.0	SO312	.03070	8.2367	1.0	V
9010	37775.76	51 46N	11 59E	90.4	190.5	1.826	32.20	59.9	SO312	.03070	8.0221	1.0	A
9011	37781.16	51 1N	11 21E	83.2	190.4	2.037	24.15	60.5	SO312	.03070	8.7566	1.0	F
9012	37784.16	51 0N	11 21E	82.5	190.4	2.037	24.50	60.5	SO312	.03070	8.9134	0.8	V
9013	37787.96	50 44N	11 20E	83.8	190.3	2.037	26.25	60.7	SO312	.03070	8.7649	0.8	V
9014	37791.16	50 44N	11 20E	85.1	190.3	2.037	26.60	60.8	SO312	.03070	8.5090	0.6	A
9015	37814.96	48 55N	8 46E	82.3	189.9	2.037	-26.95	61.7	SO312	.03070	8.7979	0.8	F
9016	37820.76	48 55N	8 47E	81.8	189.9	2.181	-26.25	61.7	SO312	.03070	8.8887	1.0	A
9017	37888.36	43 51N	7 48E	75.9	189.1	2.530	-13.30	65.7	SO312	.03070	9.5406	1.0	F
9018	37999.76	36 15N	5 23E	84.3	188.1	2.530	-29.75	70.1	SO312	.03070	8.5668	1.4	F
9019	38010.96	35 35N	6 12E	74.6	188.0	2.881	4.20	71.1	SO312	.03070	9.8543	0.6	V
9020	38013.76	35 34N	6 12E	75.5	188.0	2.881	4.55	71.1	SO312	.03070	9.5984	0.6	A
9021	38019.76	34 49N	5 45E	75.6	187.9	2.881	-6.30	71.2	SO312	.02200	9.5984	0.6	F
9022	38025.16	34 49N	5 45E	75.6	187.9	2.881	-5.60	71.2	SO312	.02200	9.5902	0.8	A
1266 9001	49252.75	7 29S	46 3W	95.7	186.6	3.232	7.70	52.8	SO312	.03070	7.4691	1.6	A
9002	49374.75	15 50S	46 5W	144.0	186.8	1.484	43.75	45.9	SO312	.02200	4.9272	1.4	A
9003	49432.95	20 7S	47 17W	127.3	186.9	2.181	34.30	41.7	SO312	.02200	5.6782	1.4	V
9004	49440.95	20 49S	48 18W	106.4	187.0	3.092	10.85	40.6	SO312	.03070	6.7429	0.6	F
9005	49447.75	21 5S	47 45W	118.6	187.0	2.530	27.30	40.6	SO312	.03070	6.0909	1.4	V
9006	49454.55	21 57S	47 19W	139.3	187.0	2.181	38.85	40.1	SO312	.02200	5.1666	1.0	F
9007	49459.55	21 57S	47 19W	138.9	187.0	1.826	39.55	40.1	SO312	.02200	5.1996	1.0	V
9008	49464.95	21 57S	47 25W	138.5	187.0	1.826	38.15	40.0	SO312	.02200	5.1088	0.6	A
9009	49472.35	22 42S	48 32W	109.0	187.1	2.738	15.05	38.9	SO312	.03070	6.6191	1.4	V
9010	49486.55	23 7S	50 35W	130.0	187.1	3.439	-38.50	37.7	SO312	.03070	5.4884	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1266 9011	49512.75	25 30S	48 31W	123.9	187.2	2.390	28.00	36.5	S0312	.03070	5.8103	1.0	V
9012	49536.95	26 49S	48 38W	131.2	187.3	2.037	31.15	35.3	S0312	.03070	5.3729	1.4	A
9013	49543.35	27 37S	48 31W	137.5	187.3	1.826	35.70	34.7	S0312	.03070	5.2408	1.4	V
9014	49547.75	28 14S	48 41W	137.0	187.4	2.037	34.30	34.0	S0312	.03070	5.2243	1.0	F
9015	49577.35	29 57S	51 8W	114.7	187.5	3.232	-17.50	31.6	S0312	.03070	6.1982	1.0	F
9016	49580.75	29 55S	51 8W	113.5	187.5	3.232	-17.15	31.6	S0312	.03070	6.3385	0.8	V
9017	49585.15	29 55S	51 9W	115.1	187.5	3.439	-17.15	31.6	S0312	.03070	6.1734	0.8	A
1267 9001	54307.95	9 16N	65 59W	88.6	186.6	3.439	-22.75	65.9	S0312	.03070	8.1376	1.4	F
9002	54335.75	7 27N	65 10W	92.1	186.6	2.881	21.70	65.4	S0312	.03070	7.9231	0.8	V
9003	54362.95	5 39N	66 6W	84.5	186.5	3.439	-2.10	63.6	S0312	.03070	8.6328	1.4	V
9004	54609.35	11 0S	68 47W	97.8	186.6	3.232	6.65	49.6	S0312	.03070	7.2958	0.8	A
9005	54628.55	12 32S	69 14W	96.2	186.7	3.439	0.35	48.1	S0312	.03070	7.5269	1.4	V
9006	54632.15	12 32S	69 14W	97.7	186.7	3.439	0.35	48.1	S0312	.03070	7.3041	1.4	A
9007	54662.95	14 42S	68 29W	123.7	186.7	2.037	34.65	46.7	S0312	.02200	5.7278	1.4	A
9008	54693.95	17 10S	70 56W	109.2	186.8	3.439	-26.95	43.4	S0312	.03070	6.5448	0.6	F
9009	54700.15	17 34S	71 20W	119.4	186.8	3.232	-35.00	42.9	S0312	.03070	5.9671	0.4	F
9010	54710.75	17 53S	70 9W	101.6	186.8	3.232	2.80	43.2	S0312	.02200	7.0070	0.6	A
9011	54717.15	18 19S	70 20W	102.1	186.9	3.439	-0.70	42.8	S0312	.03070	6.9740	1.2	A
9012	54786.95	23 24S	70 26W	116.5	187.1	2.530	23.45	38.4	S0312	.02200	6.1899	1.2	V
9013	54791.35	23 24S	70 26W	118.7	187.1	2.530	23.80	38.4	S0312	.02200	5.9588	1.2	A
1269 5001	64667.95	26 32N	106 29W	74.7	187.3	3.092	-3.50	73.3	S0130	.02210	9.8139	1.0	V
1270 9001	70683.75	22 9S	138 44W	126.5	187.0	3.232	-37.80	38.6	S0312	.02200	5.6947	1.4	V
9002	70688.35	22 9S	138 45W	128.1	187.1	3.439	-37.80	38.6	S0312	.02200	5.5792	1.4	A
1272 9001	81232.95	17 39S	178 51E	104.2	186.8	3.587	-14.70	43.2	S0312	.03070	6.8584	1.0	A
9002	81619.35	43 34S	172 42E	129.3	189.1	2.881	-17.50	18.5	S0312	.05390	5.4554	0.6	A
1273 9001	85273.15	68 53N	179 20W	78.3	198.2	1.135	-14.70	44.0	S0312	.03070	9.3591	0.6	V
9002	85276.15	68 53N	179 21W	79.2	198.0	1.135	-14.70	44.0	S0312	.03070	9.1610	0.6	A
9003	85331.35	64 48N	177 55E	76.4	195.5	1.484	-6.30	47.9	S0312	.04070	9.4911	0.6	F
9004	85334.15	64 47N	177 55E	75.4	195.4	1.484	-5.95	47.9	S0312	.04070	9.7305	0.6	V
9005	85338.35	64 43N	177 40E	76.9	195.2	1.484	-9.45	48.0	S0312	.04070	9.4499	0.4	A
9006	85369.75	62 33N	176 57E	76.1	194.1	1.690	4.20	50.1	S0312	.03070	9.5324	0.8	A
1274 9001	4532.35	45 2N	147 36E	74.8	189.2	2.530	4.55	65.0	S0312	.02200	9.7140	0.6	F
9002	4552.75	43 51N	146 56E	73.7	189.0	2.530	-5.95	65.7	S0312	.04070	9.9698	0.4	V
9003	4555.35	43 51N	146 56E	74.5	189.0	2.738	-5.95	65.7	S0312	.04070	9.7470	0.4	A
1275 9001	9738.75	52 1N	128 1E	76.6	190.6	2.390	11.20	59.5	S0312	.03070	9.4911	1.8	F
9002	9744.35	52 1N	128 1E	76.9	190.6	2.181	12.25	59.5	S0312	.03070	9.4416	1.6	A
9003	9749.35	51 17N	127 48E	77.1	190.5	2.390	12.60	60.1	S0312	.03070	9.4416	0.4	F
9004	9751.95	51 18N	127 48E	76.2	190.4	2.181	12.95	60.1	S0312	.03070	9.6479	0.4	V
9005	9756.35	51 11N	127 55E	79.1	190.4	2.181	17.50	60.2	S0312	.02200	9.1693	0.4	A
9006	9761.55	50 47N	128 15E	86.9	190.3	2.037	28.70	60.7	S0312	.03070	8.3274	0.4	A
9007	9961.35	36 54N	122 26E	82.3	188.2	2.530	-26.60	69.8	S0312	.04070	8.7731	0.4	F
9008	9964.35	36 54N	122 26E	81.2	188.1	2.530	-26.25	69.8	S0312	.04070	9.0290	0.4	V
9009	9967.35	36 54N	122 24E	82.5	188.1	2.738	-27.30	69.8	S0312	.03070	8.8226	0.4	A
9010	10042.55	31 17N	121 34E	77.4	187.6	2.881	-14.00	72.3	S0312	.04070	9.3591	0.4	F
9011	10045.15	31 18N	121 34E	76.4	187.6	2.881	-13.65	72.3	S0312	.04070	9.5984	0.6	V
9012	10054.55	30 44N	120 41E	92.6	187.6	2.530	-37.80	71.9	S0312	.02200	7.9396	0.8	V
9013	10057.95	30 44N	120 41E	93.1	187.5	2.738	-37.45	71.9	S0312	.02200	7.8158	0.8	A
9014	10067.35	29 45N	121 24E	75.7	187.5	3.092	-7.70	72.8	S0312	.03070	9.6974	0.4	V
9015	10070.15	29 45N	121 24E	76.6	187.5	3.092	-7.35	72.8	S0312	.03070	9.4664	0.4	A
9016	10077.35	29 17N	121 6E	77.8	187.4	3.092	-15.05	72.8	S0312	.03070	9.3261	0.4	A
9017	10084.55	28 24N	121 4E	76.6	187.4	3.092	-10.15	73.0	S0312	.03070	9.4581	0.6	F
9018	10089.95	28 3N	120 41E	81.1	187.4	2.881	-21.70	72.8	S0312	.04070	8.9134	0.4	F
9019	10095.75	28 3N	120 40E	80.9	187.4	3.092	-21.35	72.8	S0312	.04070	8.9712	0.4	A
9020	10106.15	27 20N	120 28E	82.0	187.3	3.092	-23.80	72.8	S0312	.03070	8.8556	0.6	A
9021	10136.95	24 52N	121 15E	86.4	187.2	2.738	24.50	73.9	S0312	.03070	8.4843	0.4	V
9022	10140.15	24 52N	121 15E	87.8	187.2	2.738	24.85	73.9	S0312	.02200	8.2119	0.4	A
9023	10172.55	22 10N	120 54E	92.8	187.0	2.738	29.40	73.6	S0312	.02200	7.8488	0.8	F
9024	10175.95	22 10N	120 54E	92.4	187.0	2.530	30.10	73.6	S0312	.02200	7.9478	0.8	V
9025	10412.35	6 4N	116 33E	88.5	186.5	3.439	-23.10	63.6	S0312	.03070	8.2449	0.6	V
9026	10415.55	6 4N	116 33E	89.3	186.5	3.439	-22.40	63.6	S0312	.03070	8.0881	0.6	A
9027	10545.55	3 18S	114 37E	103.6	186.5	3.232	-31.50	55.8	S0312	.02200	6.9162	0.6	F
9028	10549.35	3 18S	114 36E	102.4	186.5	3.439	-31.50	55.8	S0312	.03070	7.1060	0.6	V
9029	10553.35	3 19S	114 36E	103.6	186.5	3.439	-31.15	55.8	S0312	.03070	6.9575	0.4	A
1276 5001	15419.35	26 38N	98 9E	83.4	187.3	2.881	-26.60	72.7	S0130	.02210	8.6666	0.8	F
5002	15423.95	26 45N	98 2E	86.0	187.3	3.092	-30.10	72.6	S0130	.02210	8.4685	0.8	A
5003	15457.75	23 56N	98 14E	77.1	187.1	3.232	-2.80	73.1	S0130	.02210	9.4095	1.0	F
5004	15488.75	22 10N	98 6E	78.9	187.0	3.092	7.00	73.0	S0130	.02210	9.1784	0.8	A
5005	15498.95	21 3N	98 2E	80.7	187.0	3.092	11.55	72.8	S0130	.02210	9.0050	0.8	F
9001	15051.75	51 43N	105 51E	77.0	190.6	2.181	12.95	59.7	S0312	.03070	9.4581	0.4	F
9002	15058.55	51 21N	106 27E	87.7	190.5	2.037	30.80	60.2	S0312	.03070	8.3852	0.6	V
9003	15064.95	50 43N	106 9E	87.1	190.4	2.181	29.05	60.7	S0312	.02200	8.3770	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1276 9004	15071.15	50 43N	106 9E	87.8	190.3	1.826	30.10	60.7	S0312	.02200	8.2614	1.0	A
9005	15249.95	38 32N	102 11E	83.7	188.3	2.390	23.80	69.7	S0312	.03070	8.6328	0.8	A
9006	15274.35	36 36N	100 29E	76.6	188.1	2.738	-19.25	70.1	S0312	.04070	9.4664	0.4	F
9007	15276.95	36 36N	100 29E	75.6	188.1	2.738	-18.90	70.1	S0312	.04070	9.7140	0.4	V
9008	15464.35	23 30N	97 57E	78.0	187.1	3.232	-11.20	72.9	S0312	.03070	9.2848	1.0	F
9009	15470.75	23 29N	97 40E	81.5	187.1	3.232	-20.65	72.7	S0312	.03070	8.8969	0.8	A
9010	15477.95	22 57N	97 45E	79.2	187.1	3.232	-13.65	72.7	S0312	.03070	9.1445	0.8	A
1277 5001	20315.95	54 52N	83 8E	86.5	191.3	1.690	-31.85	56.6	S0130	.02210	8.3612	0.6	F
5002	20322.15	54 52N	83 7E	86.3	191.2	1.690	-31.50	56.6	S0130	.02210	8.4355	0.6	A
9001	20281.95	57 2N	85 40E	75.7	192.1	2.037	6.30	55.1	S0312	.04070	9.5984	0.6	F
9002	20289.15	56 35N	85 1E	74.9	191.9	2.037	-4.90	55.4	S0312	.04070	9.6892	0.8	F
9003	20294.55	56 35N	85 0E	74.8	191.8	2.037	-4.55	55.4	S0312	.04070	9.7057	2.2	A
9004	20308.35	55 23N	83 15E	87.8	191.5	1.484	-32.90	56.2	S0312	.03070	8.2202	0.6	F
9005	20311.35	55 24N	83 14E	86.9	191.4	1.690	-33.25	56.2	S0312	.03070	8.4430	0.8	V
9006	20315.75	54 53N	83 8E	86.6	191.3	1.690	-31.85	56.6	S0312	.03070	8.3605	1.0	F
9007	20318.95	54 52N	83 7E	85.5	191.3	1.690	-31.85	56.6	S0312	.03070	8.5750	0.6	V
9008	20321.75	54 54N	83 8E	86.2	191.2	1.690	-31.50	56.6	S0312	.03070	8.4347	1.2	A
9009	20323.55	54 46N	83 5E	86.2	191.2	1.690	-31.50	56.7	S0312	.03070	8.4430	0.6	A
9010	20333.55	53 34N	83 50E	74.5	191.0	2.181	-3.50	58.0	S0312	.03070	9.7387	0.6	F
9011	20338.95	53 34N	83 50E	74.5	190.9	2.181	-2.80	58.0	S0312	.03070	9.7470	0.4	A
9012	20344.75	52 48N	83 36E	74.4	190.8	2.181	-1.75	58.7	S0312	.03070	9.7470	0.6	F
9013	20347.35	52 48N	83 36E	73.6	190.8	2.181	-1.40	58.7	S0312	.04070	9.9863	0.6	V
9014	20350.55	52 24N	83 30E	74.4	190.7	2.181	-0.35	59.0	S0312	.03070	9.7552	0.4	F
9015	20353.15	52 24N	83 30E	73.6	190.7	2.181	0.00	59.0	S0312	.03070	9.9863	0.4	V
9016	20357.15	52 19N	83 25E	74.4	190.6	2.181	-1.05	59.1	S0312	.03070	9.7552	0.6	A
9017	20368.35	51 38N	82 36E	76.8	190.4	2.181	-16.80	59.5	S0312	.03070	9.4664	0.6	A
9018	20394.15	49 31N	81 37E	80.5	190.0	2.037	-24.85	61.2	S0312	.03070	8.9877	0.6	F
9019	20397.15	49 30N	81 36E	79.6	190.0	2.037	-24.85	61.2	S0312	.03070	9.2188	0.4	V
9020	20399.55	49 20N	81 32E	79.9	190.0	2.037	-25.20	61.3	S0312	.03070	9.1858	0.4	V
9021	20402.55	49 20N	81 32E	80.6	189.9	2.037	-24.85	61.3	S0312	.03070	9.0207	0.4	A
9022	20405.15	49 9N	81 29E	80.5	189.9	2.037	-24.85	61.5	S0312	.03070	9.0290	0.4	A
9023	20410.55	48 50N	81 3E	86.5	189.8	2.037	-32.90	61.6	S0312	.03070	8.4182	0.8	A
9024	20442.35	46 11N	80 58E	76.2	189.4	2.390	-15.40	63.9	S0312	.03070	9.5076	0.6	F
1278 9001	25549.35	60 8N	64 48E	75.2	193.0	1.826	0.35	52.2	S0312	.03070	9.6562	0.4	A
9002	25574.75	58 3N	63 44E	74.9	192.4	2.037	-1.05	54.1	S0312	.04070	9.6974	0.6	F
9003	25583.35	57 32N	62 45E	78.1	192.2	1.826	-18.20	54.4	S0312	.03070	9.2683	0.4	F
9004	25589.75	57 23N	61 52E	87.9	192.0	1.484	-33.95	54.4	S0312	.02200	8.3274	0.4	V
9005	25600.95	56 15N	63 9E	75.4	191.8	2.037	5.25	55.7	S0312	.03070	9.6397	0.6	F
9006	25607.75	56 6N	63 37E	79.8	191.7	1.826	18.55	56.0	S0312	.03070	9.0867	0.6	A
9007	25618.55	55 10N	61 28E	81.2	191.4	1.826	-24.85	56.4	S0312	.03070	8.9052	0.8	F
9008	25621.35	55 11N	61 29E	80.0	191.4	1.826	-24.50	56.4	S0312	.03070	9.1693	0.8	V
9009	25624.35	55 11N	61 28E	80.8	191.3	2.037	-24.50	56.5	S0312	.03070	9.0042	0.6	A
9010	25648.95	53 5N	60 58E	77.7	190.9	2.037	-18.55	58.3	S0312	.03070	9.3261	0.4	F
9011	25651.55	53 6N	60 58E	76.6	190.8	2.037	-18.20	58.3	S0312	.03070	9.5902	0.6	V
9012	25657.55	52 44N	60 26E	81.8	190.7	1.826	-27.65	58.5	S0312	.03070	8.9629	0.6	V
9013	25660.55	52 44N	60 26E	82.6	190.7	2.037	-27.65	58.5	S0312	.03070	8.8061	0.6	A
9014	25662.15	52 37N	60 24E	82.6	190.7	2.037	-27.65	58.6	S0312	.03070	8.8144	0.4	A
9015	25674.35	51 24N	59 44E	87.4	190.5	1.826	-33.25	59.5	S0312	.03070	8.2614	0.6	F
9016	25678.55	51 19N	59 48E	84.5	190.4	1.826	-31.15	59.6	S0312	.03070	8.6741	0.6	V
9017	25682.15	51 3N	59 48E	82.9	190.3	2.037	-29.40	59.9	S0312	.03070	8.8556	0.6	V
9018	25685.15	51 4N	59 48E	83.6	190.3	2.037	-29.05	59.9	S0312	.03070	8.7071	0.8	A
9019	25687.55	50 54N	59 45E	83.6	190.3	2.037	-29.05	60.0	S0312	.03070	8.7071	0.4	A
9020	25690.75	50 41N	59 40E	83.8	190.2	2.037	-29.40	60.2	S0312	.03070	8.6823	0.4	A
9021	25763.55	45 10N	59 20E	76.1	189.3	2.530	9.10	64.9	S0312	.03070	9.5654	1.4	F
9022	25768.95	45 10N	59 20E	76.3	189.2	2.530	9.80	64.9	S0312	.03070	9.5076	1.4	A
9023	25864.55	38 10N	57 57E	85.1	188.3	2.530	25.55	70.0	S0312	.03070	8.5750	0.6	F
9024	25869.75	38 15N	57 45E	81.2	188.3	2.530	19.95	69.8	S0312	.03070	8.9134	0.6	A
1279 5001	30964.75	52 49N	39 6E	75.0	190.7	2.181	-9.10	58.6	S0130	.02210	9.7066	0.6	A
5002	30987.55	50 45N	39 31E	81.5	190.4	2.390	21.70	60.6	S0130	.01660	8.9308	3.6	F
5003	30995.95	50 8N	39 34E	86.6	190.2	2.181	28.35	61.2	S0130	.02210	8.4273	0.4	F
5004	31008.15	49 49N	38 23E	74.5	190.1	2.390	0.70	61.2	S0130	.02210	9.7644	0.4	A
5005	31021.95	48 41N	38 7E	73.8	189.9	2.390	3.50	62.1	S0130	.02210	9.9543	0.6	V
5006	31031.35	47 53N	39 14E	96.4	189.7	2.037	37.80	63.2	S0130	.02210	7.6266	0.6	V
5007	31041.75	47 32N	37 34E	74.3	189.6	2.530	-2.10	63.0	S0130	.02210	9.7892	3.6	A
5008	31054.95	46 32N	38 30E	91.4	189.4	2.037	32.90	64.2	S0130	.02210	7.9320	0.6	A
5009	31261.55	31 55N	34 42E	96.4	187.7	2.530	35.00	73.2	S0130	.01250	7.5771	0.8	F
5010	31264.95	31 55N	34 42E	95.8	187.7	2.530	35.35	73.2	S0130	.01250	7.6762	0.8	V
5011	31268.35	31 55N	34 42E	97.6	187.7	2.181	36.05	73.2	S0130	.01250	7.4120	1.0	A
9001	30642.95	73 50N	54 48E	77.7	204.1	0.995	-4.90	39.2	S0312	.04070	9.3178	1.0	F
9002	30648.55	73 50N	54 47E	77.6	203.6	0.995	-4.90	39.2	S0312	.04070	9.3508	0.8	A
9003	30676.95	71 34N	52 26E	77.9	201.2	1.135	6.30	41.4	S0312	.04070	9.3178	0.8	F
9004	30679.75	71 34N	52 25E	76.9	201.0	1.135	6.30	41.4	S0312	.04070	9.5406	0.8	V
9005	30683.95	71 29N	52 20E	77.9	200.7	1.135	7.00	41.5	S0312	.04070	9.3178	0.4	A
9006	30877.95	58 18N	41 41E	74.9	192.5	1.826	-2.10	53.9	S0312	.04070	9.6892	0.4	F
9007	30880.55	58 18N	41 41E	74.0	192.4	1.826	-1.75	53.9	S0312	.04070	9.9285	0.4	V
9008	30881.75	58 13N	41 39E	74.0	192.4	1.826	-1.75	53.9	S0312	.04070	9.9285	0.4	V
9009	30883.15	58 8N	41 36E	74.0	192.4	1.826	-1.75	54.0	S0312	.04070	9.9368	1.2	V
9010	30889.15	57 47N	40 55E	75.8	192.2	1.826	-14.35	54.3	S0312	.04070	9.6892	0.4	V
9011	30891.95	57 47N	40 54E	76.6	192.2	1.826	-14.35	54.3	S0312	.04070	9.4829	0.4	A
9012	30897.35	57 0N	40 58E	74.8	192.0	2.037	-4.90	55.0	S0312	.04070	9.6892	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887
~~Top Secret GAMBIT~~

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1279 9013	30899.95	57 0N	40 58E	74.0	192.0	2.037	-4.90	55.0	SO312	.04070	9.9285	0.6	V
9014	30904.55	56 55N	40 35E	76.1	191.9	2.037	-12.95	55.0	SO312	.04070	9.5489	0.6	A
9015	30909.75	56 11N	40 25E	75.3	191.8	2.037	-9.80	55.7	SO312	.04070	9.6232	0.8	F
9016	30912.55	56 10N	40 24E	74.5	191.7	2.037	-9.80	55.7	SO312	.04070	9.8625	0.6	V
9017	30915.35	55 59N	40 19E	74.5	191.6	2.037	-10.15	55.9	SO312	.04070	9.8543	0.4	V
9018	30918.15	55 59N	40 19E	75.3	191.6	2.037	-9.80	55.9	SO312	.04070	9.6479	0.4	A
9019	30923.55	55 17N	39 31E	79.8	191.5	1.826	-22.40	56.4	SO312	.03070	9.0620	0.6	F
9020	30928.75	54 57N	39 3E	84.7	191.4	1.690	-29.75	56.6	SO312	.03070	8.5338	1.0	F
9021	30931.75	54 57N	39 3E	83.4	191.3	1.690	-29.40	56.6	SO312	.03070	8.7979	1.0	V
9022	30935.15	54 56N	39 3E	84.1	191.3	1.690	-29.05	56.6	SO312	.03070	8.6493	0.6	A
9023	30974.95	51 41N	39 16E	75.3	190.6	2.390	6.30	59.7	SO312	.03070	9.6479	1.0	F
9024	30980.35	51 41N	39 16E	75.4	190.5	2.181	7.35	59.7	SO312	.03070	9.6232	1.0	A
9025	31013.95	49 1N	38 26E	75.9	190.0	2.390	9.10	61.9	SO312	.03070	9.5737	0.6	F
9026	31016.55	49 1N	38 26E	75.1	189.9	2.390	9.45	61.9	SO312	.03070	9.7800	0.6	V
9027	31067.75	45 27N	36 15E	79.8	189.3	2.390	-23.45	64.3	SO312	.03070	9.0702	0.8	F
9028	31070.55	45 27N	36 15E	78.7	189.3	2.390	-23.10	64.3	SO312	.03070	9.3261	0.8	V
9029	31076.35	45 4N	35 59E	81.5	189.2	2.181	-27.30	64.5	SO312	.03070	9.0042	0.8	V
9030	31079.55	45 3N	35 58E	82.3	189.2	2.390	-27.30	64.6	SO312	.03070	8.8474	0.6	A
9031	31217.75	35 23N	33 19E	88.8	188.0	2.390	-35.00	70.3	SO312	.03070	8.2532	1.0	V
9032	31223.95	34 57N	33 24E	84.4	187.9	2.530	-30.45	70.6	SO312	.03070	8.6741	0.4	V
9033	31227.15	34 56N	33 23E	85.3	187.9	2.738	-30.45	70.6	SO312	.03070	8.5255	0.4	A
9034	31261.35	31 55N	34 42E	96.4	187.7	2.530	-35.00	73.2	SO312	.01650	7.5764	1.0	F
9035	31264.75	31 55N	34 42E	95.8	187.7	2.530	-35.35	73.2	SO312	.01650	7.6755	1.0	V
9036	31268.35	31 55N	34 42E	97.5	187.7	2.181	-36.05	73.2	SO312	.01650	7.4114	0.8	A
9037	31281.15	30 43N	33 26E	76.4	187.6	3.092	2.80	72.8	SO312	.03070	9.4994	0.4	F
9038	31283.75	30 44N	33 26E	75.6	187.6	3.092	3.15	72.8	SO312	.03070	9.7057	0.4	V
9039	31290.75	30 29N	33 4E	76.5	187.5	3.092	-8.40	72.6	SO312	.03070	9.4829	0.4	A
9040	31297.15	29 54N	32 28E	82.2	187.5	2.881	-25.90	72.4	SO312	.04070	8.9299	0.4	V
9041	31300.15	29 54N	32 29E	82.9	187.5	3.092	-25.55	72.4	SO312	.03070	8.7649	0.4	A
9042	32135.35	27 44S	21 27E	121.6	187.3	3.092	-28.70	33.6	SO312	.03070	5.8515	0.6	F
9043	32139.75	27 44S	21 28E	119.5	187.4	3.092	-27.65	33.6	SO312	.03070	6.0331	0.6	V
9044	32144.55	27 45S	21 28E	121.0	187.4	3.092	-27.30	33.6	SO312	.03070	5.8928	0.4	A
1280 9001	36239.55	54 38N	18 48E	79.1	191.3	2.037	18.90	57.3	SO312	.04070	9.2931	0.4	V
9002	36242.35	54 38N	18 48E	80.2	191.2	2.037	19.25	57.3	SO312	.04070	9.0372	0.6	A
9003	36252.95	53 42N	18 56E	78.2	191.0	2.037	-19.60	57.8	SO312	.03070	9.2683	0.6	F
9004	36258.55	53 42N	18 55E	78.0	190.9	2.037	-19.25	57.8	SO312	.03070	9.3261	0.6	A
9005	36269.15	52 33N	16 57E	74.9	190.8	2.181	-8.40	58.6	SO312	.03070	9.6892	0.4	F
9006	36271.75	52 34N	16 57E	74.0	190.7	2.181	-8.05	58.8	SO312	.03070	9.9285	0.4	V
9007	36273.35	52 27N	16 54E	74.0	190.7	2.181	-8.05	58.9	SO312	.03070	9.9285	0.4	V
9008	36276.15	52 27N	16 54E	74.8	190.6	2.181	-7.70	58.9	SO312	.03070	9.7140	0.4	A
9009	36282.95	51 58N	16 51E	74.5	190.5	2.181	-4.55	59.3	SO312	.03070	9.7552	0.4	A
9010	36288.35	51 11N	17 2E	75.6	190.4	2.390	8.05	60.1	SO312	.03070	9.6149	2.0	F
9011	36293.75	51 11N	17 3E	75.8	190.4	2.181	9.10	60.1	SO312	.03070	9.5737	2.0	A
9012	36294.35	50 37N	16 50E	74.8	190.3	2.181	8.75	60.6	SO312	.03070	9.8377	0.6	V
9013	36302.15	50 37N	16 50E	75.7	190.2	2.181	9.10	60.6	SO312	.03070	9.5819	0.6	A
9014	36309.55	49 37N	17 18E	87.2	190.1	2.181	29.05	61.6	SO312	.03070	8.3687	0.4	F
9015	36312.95	49 36N	17 13E	85.0	190.1	2.181	27.65	61.6	SO312	.03070	8.6576	0.8	V
9016	36315.95	49 37N	17 14E	86.2	190.0	2.181	28.00	61.6	SO312	.03070	8.4100	0.8	A
9017	36320.15	48 53N	17 9E	89.3	190.0	2.181	31.15	62.3	SO312	.03070	8.1706	0.6	F
9018	36326.55	48 53N	17 8E	89.7	189.9	1.826	31.85	62.3	SO312	.03070	8.0799	0.6	A
9019	36341.95	48 6N	14 26E	88.2	189.7	2.181	-34.65	62.1	SO312	.03070	8.2614	1.4	A
9020	36355.75	46 34N	15 38E	76.9	189.5	2.530	11.90	63.9	SO312	.03070	9.4581	0.6	F
9021	36358.55	46 34N	15 38E	76.2	189.5	2.530	12.25	63.9	SO312	.03070	9.6479	0.4	V
9022	36368.75	45 48N	14 12E	80.0	189.4	2.181	-24.50	64.0	SO312	.03070	9.0537	0.6	F
9023	36371.55	45 48N	14 13E	78.8	189.3	2.390	-24.15	64.0	SO312	.03070	9.3096	0.6	V
9024	36376.15	45 28N	14 24E	75.4	189.3	2.390	-16.10	64.4	SO312	.03070	9.7387	0.6	V
9025	36378.95	45 28N	14 23E	76.2	189.2	2.390	-15.75	64.4	SO312	.03070	9.5406	0.6	A
9026	36385.15	44 53N	13 51E	81.1	189.2	2.181	-26.95	64.7	SO312	.04070	9.0537	0.4	V
9027	36388.15	44 53N	13 51E	81.7	189.1	2.390	-26.60	64.7	SO312	.04070	8.8969	0.4	A
9028	36400.15	43 39N	13 31E	82.4	189.0	2.181	-27.30	65.6	SO312	.03070	8.7896	1.0	F
9029	36555.35	32 49N	12 30E	87.7	187.8	2.530	27.30	72.7	SO312	.03070	8.3274	0.6	F
9030	36558.35	32 49N	12 30E	87.0	187.8	2.530	27.65	72.7	SO312	.03070	8.4430	0.6	V
1282 9001	47714.35	4 50S	39 23W	92.5	186.5	3.439	4.55	55.1	SO312	.03070	7.7993	1.4	F
9002	47721.75	5 9S	39 15W	94.5	186.5	3.232	12.25	54.9	SO312	.03070	7.6920	1.4	V
9003	47771.55	8 7S	41 9W	109.8	186.6	3.587	-33.95	51.5	SO312	.02200	6.5613	1.4	A
9004	47821.95	12 15S	40 27W	100.7	186.7	3.232	12.60	48.6	SO312	.03070	7.1555	0.8	F
9005	47828.95	12 30S	40 17W	104.2	186.7	2.881	19.60	48.5	SO312	.03070	6.9575	1.2	V
9006	47938.55	19 47S	43 8W	111.4	186.9	3.439	-27.65	41.0	SO312	.03070	6.4870	1.6	V
9007	47957.75	21 39S	41 17W	129.7	187.0	2.390	33.60	40.3	SO312	.02200	5.5379	1.6	F
9008	47979.35	22 53S	43 11W	106.4	187.1	3.439	-11.90	38.4	SO312	.04070	6.7099	0.6	F
9009	47983.15	22 53S	43 11W	105.2	187.1	3.439	-11.20	38.4	SO312	.04070	6.8584	0.6	V
9010	47988.75	22 55S	43 42W	114.2	187.1	3.439	-25.20	38.2	SO312	.02200	6.2477	1.0	A
1283 9001	52846.34	7 31N	60 10W	92.0	186.6	3.587	-26.25	64.6	SO312	.03070	7.8653	1.4	A
9002	52868.34	5 45N	60 17W	88.0	186.5	3.439	-19.95	63.4	SO312	.03070	8.2944	1.6	V
9003	52903.54	3 28N	59 46W	92.2	186.5	3.092	16.10	62.3	SO312	.03070	7.7745	1.0	A
9004	52935.94	1 16N	60 28W	89.1	186.5	3.439	4.20	60.3	SO312	.03070	8.0551	1.4	A
9005	53157.55	14 14S	64 51W	131.4	186.7	2.881	-43.75	45.8	SO312	.02200	5.4141	1.0	F
9006	53169.54	14 44S	64 58W	130.5	186.7	3.092	-43.75	45.3	SO312	.03070	5.5462	1.0	V
9007	53174.54	14 45S	64 57W	131.0	186.7	3.092	-43.05	45.3	SO312	.03070	5.4802	1.0	A
9008	53196.74	17 2S	63 39W	101.3	186.8	3.232	4.55	44.1	SO312	.03070	7.0812	1.2	F
9009	53207.94	17 12S	64 22W	103.8	186.8	3.587	-16.80	43.6	SO312	.03070	6.8914	1.4	A
9010	53279.74	22 30S	63 50W	120.4	187.0	2.390	27.65	39.4	SO312	.03070	5.9836	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

4353

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1283 9011	53456.94	34 33S	68 24W	123.7	187.9	2.881	-24.85	27.1	S0312	.03070	5.7278	1.4	F
9012	53474.34	35 29S	68 3W	115.4	188.0	2.881	-11.55	26.5	S0312	.04070	6.2147	1.0	V
9013	53555.95	41 7S	71 8W	152.8	188.6	2.390	-39.90	20.5	S0312	.02200	4.6219	1.4	F
9014	53565.54	41 16S	69 36W	122.4	188.7	2.881	-12.25	20.9	S0312	.04070	5.7690	1.0	A
9015	53602.34	44 1S	70 26W	123.6	189.1	2.738	-13.65	18.2	S0312	.04070	5.7855	1.0	V
9016	53645.74	46 31S	71 36W	131.9	189.5	2.738	-20.30	15.7	S0312	.04070	5.3481	1.0	A
9017	53691.34	50 17S	71 51W	127.8	190.1	2.390	-3.15	12.3	S0312	.05390	5.5297	1.0	F
9018	53696.94	50 19S	72 14W	127.5	190.2	2.390	-9.10	12.2	S0312	.05390	5.5875	1.2	V
9019	53701.34	50 55S	72 25W	129.2	190.3	2.390	-8.75	11.6	S0312	.05390	5.4637	1.0	F
9020	53711.34	51 1S	71 47W	129.6	190.4	2.181	3.15	11.7	S0312	.05390	5.4141	1.0	A
9021	53717.74	51 43S	72 30W	128.0	190.5	2.181	-4.90	10.9	S0312	.05390	5.5627	0.8	V
1284 9001	57657.34	41 1N	74 8W	79.9	188.6	2.530	19.95	68.0	S0312	.02200	9.2023	7.2	V
9002	57934.74	22 19N	79 39W	87.8	187.0	3.092	-29.40	72.2	S0312	.03070	8.2697	0.6	A
1285 9001	63042.54	35 35N	97 28W	84.6	188.0	2.530	24.50	71.3	S0312	.02200	8.5503	3.0	A
9002	63959.54	27 7S	109 25W	114.5	187.3	2.738	15.05	34.8	S0312	.02200	6.1734	1.4	A
1290 9001	2913.74	53 9N	157 42E	89.2	191.0	2.037	30.80	58.6	S0312	.02200	8.1706	0.6	F
9002	2916.94	53 9N	157 43E	88.6	190.9	1.826	31.50	58.6	S0312	.02200	8.3109	0.4	V
9003	2926.14	52 41N	156 5E	73.8	190.8	2.181	-4.20	58.7	S0312	.04070	9.9533	0.4	V
9004	2928.94	52 41N	156 5E	74.7	190.7	2.181	-3.85	58.7	S0312	.04070	9.7305	0.4	A
1291 9001	8289.34	48 49N	132 54E	74.9	189.9	2.390	3.85	62.0	S0312	.03070	9.6974	0.8	F
9002	8294.74	48 48N	132 54E	75.1	189.9	2.390	4.55	62.0	S0312	.03070	9.6727	0.8	A
9003	8304.74	48 9N	132 29E	74.5	189.7	2.390	-1.75	62.4	S0312	.03070	9.7470	0.6	A
9004	8315.94	47 21N	132 30E	75.4	189.6	2.390	6.65	63.2	S0312	.02200	9.6232	0.4	A
9005	8382.54	42 58N	129 52E	88.2	188.8	2.390	-34.30	65.9	S0312	.03070	8.2532	0.6	A
9006	8488.14	35 13N	128 57E	75.4	188.0	2.881	-4.90	71.0	S0312	.02200	9.6314	1.0	F
9007	8493.54	35 13N	128 57E	75.4	187.9	2.881	-4.20	71.0	S0312	.02200	9.6232	1.0	A
9008	8621.34	26 23N	127 46E	86.1	187.3	2.738	23.10	73.9	S0312	.03070	8.3852	0.6	A
1292 5001	14010.54	20 29N	104 5E	79.5	187.0	3.232	6.65	72.6	S0130	.02210	9.1289	0.8	F
5002	14020.34	19 49N	103 54E	79.2	186.9	3.232	4.55	72.3	S0130	.02210	9.1619	0.8	F
5003	14025.34	19 27N	103 57E	80.9	186.9	3.232	9.10	72.3	S0130	.02210	8.9803	0.8	F
5004	14035.34	19 11N	103 42E	79.2	186.9	3.232	2.45	72.0	S0130	.02210	9.1371	0.8	A
9001	13552.54	51 57N	113 8E	91.5	190.6	1.826	34.30	59.7	S0312	.02200	8.0468	0.8	V
9002	13555.94	51 57N	113 8E	93.0	190.6	1.826	34.65	59.7	S0312	.02200	7.7993	0.8	A
9003	13567.34	50 58N	110 59E	75.0	190.4	2.181	-11.20	60.1	S0312	.03070	9.6644	0.6	F
9004	13572.54	50 58N	110 59E	74.9	190.3	2.390	-10.85	60.1	S0312	.03070	9.7057	0.8	A
9005	13715.14	41 3N	107 51E	76.4	188.6	2.530	-18.20	67.4	S0312	.03070	9.6067	0.4	V
9006	13743.94	39 5N	107 18E	77.0	188.4	2.530	-19.95	68.6	S0312	.03070	9.5324	0.6	V
9007	13810.54	34 23N	107 16E	79.7	187.9	2.738	18.20	71.8	S0312	.03070	9.2105	0.6	V
9008	13813.54	34 23N	107 16E	80.9	187.9	2.738	18.55	71.8	S0312	.03070	8.9382	0.6	A
9009	13893.54	28 37N	104 42E	86.3	187.4	2.738	-30.10	72.4	S0312	.02200	8.3687	0.8	F
9010	13895.34	28 30N	104 40E	86.3	187.4	2.738	-30.10	72.5	S0312	.02200	8.3605	0.8	F
9011	13901.34	28 30N	104 44E	84.2	187.4	3.092	-27.30	72.5	S0312	.02200	8.6328	0.8	A
9012	13910.74	27 21N	105 26E	77.3	187.3	3.092	6.65	73.4	S0312	.03070	9.4003	0.6	F
9013	13925.54	26 14N	105 49E	89.7	187.3	2.738	26.35	74.0	S0312	.02200	8.1294	0.6	F
9014	13931.94	26 14N	105 49E	90.7	187.2	2.530	29.40	74.0	S0312	.02200	7.9643	0.6	A
9015	13952.94	25 1N	103 39E	95.5	187.2	2.881	-39.20	72.3	S0312	.02200	7.6177	0.6	A
9016	13965.14	23 38N	104 22E	78.0	187.1	3.232	-6.65	73.0	S0312	.03070	9.2931	1.2	F
9017	13969.34	23 33N	104 19E	76.5	187.1	3.232	-7.35	73.0	S0312	.03070	9.5819	0.4	V
9018	13974.14	22 60N	104 26E	77.7	187.1	3.232	1.40	73.1	S0312	.03070	9.3426	0.4	F
9019	13980.34	22 59N	104 14E	77.5	187.1	3.232	-5.25	72.9	S0312	.03070	9.3426	0.4	A
9020	13986.54	22 35N	103 56E	79.8	187.0	3.232	-14.35	72.6	S0312	.03070	9.0867	0.4	A
9021	14011.14	20 26N	104 4E	79.7	187.0	3.232	6.65	72.5	S0312	.02200	9.1280	0.4	F
9022	14013.94	20 26N	104 4E	78.9	186.9	3.232	7.00	72.6	S0312	.02200	9.2765	0.4	V
9023	14046.74	18 4N	102 39E	90.3	186.9	3.092	-30.80	70.8	S0312	.02200	7.9808	1.4	F
9024	14050.74	18 1N	102 35E	90.3	186.8	3.092	-31.85	70.7	S0312	.02200	8.1046	0.8	V
9025	14054.14	18 1N	102 35E	91.2	186.8	3.092	-31.50	70.7	S0312	.02200	7.9561	0.8	A
9026	14074.94	16 30N	102 51E	81.6	186.8	3.439	-12.25	70.5	S0312	.03070	8.8639	0.6	A
9027	14094.94	14 58N	102 6E	89.8	186.7	3.232	-29.75	69.3	S0312	.03070	8.1376	0.8	V
9028	14098.34	14 58N	102 5E	90.7	186.7	3.232	-29.40	69.3	S0312	.02200	7.9808	0.8	A
9029	14119.14	13 8N	103 14E	92.6	186.7	2.738	25.90	69.5	S0312	.02200	7.8900	1.2	V
9030	14122.54	13 8N	103 14E	94.2	186.7	2.738	26.25	69.5	S0312	.02200	7.6259	1.2	A
1293 9001	18790.34	56 30N	92 50E	89.3	191.9	2.037	30.45	55.6	S0312	.03070	8.1624	0.6	F
9002	18794.34	56 27N	92 47E	88.0	191.9	1.826	30.45	55.7	S0312	.03070	8.3687	0.4	V
9003	18797.54	56 27N	92 47E	89.3	191.8	1.826	30.80	55.7	S0312	.03070	8.1211	0.4	A
9004	18972.14	44 12N	87 60E	84.4	189.1	2.390	25.90	65.8	S0312	.02200	8.6328	1.0	F
9005	18975.14	44 12N	87 60E	83.8	189.1	2.390	26.25	65.8	S0312	.02200	8.7731	1.0	V
9006	18980.54	43 51N	87 40E	79.6	189.0	2.390	20.30	66.0	S0312	.03070	9.2353	1.4	V
9007	18984.34	43 48N	87 38E	80.4	189.0	2.390	19.95	66.0	S0312	.03070	9.0124	0.6	A
9008	18989.14	43 29N	87 23E	78.5	188.9	2.390	15.40	66.2	S0312	.03070	9.2270	0.6	A
9009	19001.74	42 12N	87 12E	80.4	188.8	2.530	19.95	67.2	S0312	.02200	9.0702	1.0	F
9010	19007.54	42 12N	87 12E	80.8	188.8	2.390	20.65	67.2	S0312	.02200	8.9629	1.0	A
9011	19389.54	15 52N	80 29E	82.5	186.8	3.439	-17.50	70.1	S0312	.03070	8.8721	0.6	V
9012	19392.54	15 52N	80 29E	83.5	186.8	3.439	-17.15	70.1	S0312	.03070	8.6741	0.6	A
9013	19416.74	13 46N	80 15E	82.7	186.7	3.439	-12.60	69.0	S0312	.03070	8.7318	1.8	F
9014	19422.74	13 46N	80 15E	82.8	186.7	3.439	-11.55	69.1	S0312	.03070	8.7318	1.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887
~~Top Secret GAMBIT~~

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1293 9015	19433.74	12 35N	80 11E	82.3	186.7	3.439	-6.65	68.4	SO312	.03070	8.7896	0.8	F
9016	19439.74	12 35N	80 11E	82.5	186.7	3.439	-5.60	68.5	SO312	.03070	8.7484	0.8	A
1294 5001	24129.74	54 51N	69 11E	78.3	191.3	2.181	14.70	57.0	SO130	.02210	9.2857	0.4	A
5002	24173.14	51 53N	68 23E	83.3	190.5	2.037	24.15	59.6	SO130	.01660	8.7079	0.8	A
9001	24025.74	61 43N	72 10E	75.2	193.8	1.690	4.90	50.7	SO312	.04070	9.7635	1.2	V
9002	24038.34	60 42N	71 28E	75.6	193.4	1.826	1.75	51.6	SO312	.04070	9.5984	0.8	F
9003	24043.74	60 43N	71 27E	75.6	193.3	1.826	2.10	51.6	SO312	.04070	9.5984	0.8	A
9004	24123.34	54 54N	69 17E	78.9	191.4	2.181	16.10	56.9	SO312	.03070	9.2270	0.4	F
9005	24126.14	54 54N	69 17E	78.1	191.4	2.181	16.45	56.9	SO312	.03070	9.4168	0.4	V
9006	24185.74	51 14N	66 8E	83.6	190.3	2.181	-29.05	59.6	SO312	.03070	8.7071	1.2	A
9007	24187.54	51 7N	66 6E	83.6	190.3	2.181	-29.05	59.7	SO312	.03070	8.7153	1.0	A
9008	24190.74	50 54N	66 1E	83.8	190.3	2.181	-29.40	59.9	SO312	.03070	8.6823	0.6	A
9009	24276.94	44 33N	66 17E	90.5	189.2	2.181	32.90	65.7	SO312	.02200	8.1376	0.8	V
9010	24280.14	44 34N	66 16E	91.6	189.1	2.181	32.90	65.6	SO312	.02200	7.9148	1.0	A
9011	24384.74	37 25N	62 4E	91.1	188.2	2.390	-37.45	69.2	SO312	.02200	8.0551	0.4	V
9012	24388.14	37 25N	62 3E	91.8	188.2	2.390	-37.10	69.2	SO312	.02200	7.9313	0.4	A
9013	24432.94	34 12N	62 14E	76.0	187.8	3.092	-9.45	71.3	SO312	.03070	9.5489	0.6	A
1295 5001	29364.14	59 22N	49 15E	78.6	192.9	1.826	15.05	52.9	SO130	.03080	9.2444	0.4	F
5002	29369.34	59 8N	49 47E	85.8	192.8	1.690	28.00	53.2	SO130	.02210	8.5676	0.6	V
5003	29372.54	59 8N	49 46E	86.9	192.7	1.690	28.00	53.2	SO130	.02210	8.3447	0.6	A
5004	29412.74	56 6N	47 32E	77.3	191.8	2.037	12.25	55.8	SO130	.02210	9.4012	1.0	F
5005	29418.34	56 6N	47 32E	77.5	191.7	2.037	12.60	55.8	SO130	.02210	9.3682	1.0	A
5006	29506.34	49 53N	43 48E	80.7	190.1	2.037	-24.50	60.8	SO130	.02210	8.9803	0.4	F
5007	29514.94	49 34N	44 42E	75.2	190.0	2.390	4.90	61.3	SO130	.02210	9.6736	0.4	A
5008	29522.74	48 54N	44 2E	74.1	189.9	2.390	-8.75	61.8	SO130	.02210	9.9130	0.6	V
5009	29529.14	48 36N	44 29E	75.8	189.8	2.390	7.70	62.2	SO130	.02210	9.5911	0.8	A
5010	29539.14	47 43N	44 19E	75.7	189.7	2.390	10.85	62.9	SO130	.02210	9.7066	0.6	V
5011	29555.54	46 44N	44 40E	87.4	189.5	2.037	29.05	63.9	SO130	.02210	8.2869	0.6	A
5012	29575.14	45 42N	41 43E	98.9	189.3	2.037	-42.70	63.7	SO130	.01660	7.3625	0.6	A
9001	29331.54	61 42N	50 49E	80.5	193.8	1.690	19.95	50.8	SO312	.04070	9.1197	0.4	V
9002	29364.14	59 22N	49 15E	78.7	192.9	1.826	15.05	52.9	SO312	.03070	9.2435	0.4	F
9003	29369.34	59 7N	49 47E	85.8	192.8	1.690	28.00	53.2	SO312	.03070	8.5668	0.4	V
9004	29372.54	59 7N	49 46E	86.8	192.7	1.690	28.00	53.2	SO312	.03070	8.3440	0.4	A
9005	29375.94	58 40N	49 38E	87.4	192.6	1.690	29.75	53.7	SO312	.03070	8.4100	0.6	V
9006	29379.14	58 40N	49 38E	88.7	192.5	1.690	30.10	53.7	SO312	.03070	8.1624	0.6	A
9007	29396.34	57 6N	48 46E	87.1	192.1	1.826	28.35	55.1	SO312	.03070	8.3770	0.4	F
9008	29397.94	56 59N	48 43E	87.1	192.1	1.826	28.35	55.2	SO312	.03070	8.3770	1.2	F
9009	29404.34	56 40N	47 52E	78.1	192.0	2.037	14.00	55.4	SO312	.03070	9.3178	0.6	F
9010	29407.14	56 39N	47 52E	77.3	191.9	2.037	14.35	55.4	SO312	.03070	9.5076	0.6	V
9011	29412.74	56 6N	47 32E	77.3	191.8	2.037	12.25	55.8	SO312	.03070	9.4003	1.0	F
9012	29417.94	56 8N	47 32E	77.4	191.7	2.037	12.60	55.8	SO312	.03070	9.3673	1.2	A
9013	29425.54	55 31N	46 27E	74.4	191.5	2.037	-8.40	56.2	SO312	.04070	9.8708	0.6	V
9014	29428.34	55 31N	46 26E	75.3	191.5	2.037	-8.40	56.2	SO312	.04070	9.6479	0.6	A
9015	29434.74	54 51N	46 33E	74.0	191.3	2.181	1.05	56.9	SO312	.04070	9.9285	0.6	V
9016	29445.54	54 14N	45 10E	81.7	191.1	1.826	-26.95	57.1	SO312	.03070	9.0042	0.4	V
9017	29448.54	54 14N	45 11E	82.3	191.1	2.037	-26.60	57.2	SO312	.03070	8.8391	0.4	A
9018	29460.74	53 19N	45 32E	75.2	190.9	2.181	-9.45	58.1	SO312	.03070	9.6644	0.6	A
9019	29478.14	51 40N	45 45E	77.1	190.6	2.390	12.25	59.7	SO312	.03070	9.4251	0.6	F
9020	29482.54	51 31N	45 57E	79.4	190.5	2.181	19.25	59.9	SO312	.03070	9.2683	0.6	V
9021	29485.34	51 32N	45 57E	80.5	190.4	2.181	19.60	59.9	SO312	.03070	9.0124	0.8	A
9022	29528.94	48 36N	44 29E	75.7	189.8	2.390	7.70	62.2	SO312	.03070	9.5902	1.0	A
9023	29589.14	44 8N	42 58E	74.5	189.1	2.738	1.75	65.5	SO312	.03070	9.7552	0.4	F
9024	29594.34	44 9N	42 58E	74.7	189.0	2.530	2.80	65.5	SO312	.03070	9.7222	0.6	A
9025	29600.34	43 45N	42 42E	73.7	189.0	2.738	-2.80	65.8	SO312	.03070	9.8543	0.6	A
9026	29618.14	42 13N	41 41E	79.7	188.8	2.530	-22.75	66.6	SO312	.01650	9.0867	0.8	F
9027	29620.94	42 13N	41 41E	78.6	188.8	2.530	-22.40	66.6	SO312	.02200	9.3426	0.8	V
9028	29625.34	41 54N	41 46E	76.3	188.7	2.530	-16.80	66.9	SO312	.03070	9.6314	0.4	V
9029	29628.14	41 54N	41 47E	77.0	188.7	2.738	-16.45	66.9	SO312	.03070	9.4334	0.4	A
9030	29948.74	19 39N	37 11E	79.0	186.9	3.232	-9.10	71.9	SO312	.03070	9.2683	0.4	V
9031	29951.74	19 38N	37 11E	80.0	186.9	3.439	-8.75	71.9	SO312	.03070	9.0455	0.4	A
9032	30111.34	8 12N	35 33E	85.0	186.6	3.439	8.05	65.8	SO312	.01650	8.5255	1.2	F
9033	30117.54	8 12N	35 33E	85.7	186.6	3.232	9.45	65.8	SO312	.01650	8.3935	1.2	A
9034	30196.14	2 34N	34 40E	90.0	186.5	3.232	12.60	61.5	SO312	.03070	8.1046	0.6	V
9035	30199.54	2 34N	34 41E	91.6	186.5	3.232	13.30	61.5	SO312	.03070	7.8240	0.6	A
9036	30227.34	0 32N	33 21E	93.3	186.5	3.439	-24.15	59.2	SO312	.03070	7.8075	0.8	V
9037	30230.94	0 32N	33 21E	94.2	186.5	3.439	-23.45	59.2	SO312	.03070	7.6590	0.6	A
9038	30609.34	25 44S	28 1E	122.7	187.2	3.092	-31.85	35.4	SO312	.03070	5.7938	0.6	F
9039	30613.74	25 44S	28 1E	121.2	187.2	3.092	-31.50	35.4	SO312	.04070	5.9506	0.6	V
9040	30617.54	26 17S	27 49E	126.0	187.3	3.092	-33.25	34.9	SO312	.03070	5.6370	0.8	F
9041	30626.74	26 17S	27 50E	125.3	187.3	3.232	-32.20	34.9	SO312	.03070	5.6865	0.8	A
1296 9001	34519.94	69 23N	34 15E	78.2	198.9	1.338	9.45	43.5	SO312	.04070	9.2765	0.4	F
9002	34522.74	69 23N	34 14E	77.3	198.8	1.338	9.45	43.5	SO312	.04070	9.4994	0.4	V
9003	34529.14	69 3N	33 5E	75.9	198.4	1.338	-2.80	43.8	SO312	.05390	9.6727	0.6	V
9004	34531.94	69 3N	33 5E	76.7	198.3	1.338	-2.45	43.8	SO312	.05390	9.4581	0.6	A
9005	34540.34	68 8N	33 55E	83.3	197.8	1.338	23.10	44.7	SO312	.04070	8.8226	0.4	V
9006	34543.34	68 8N	33 56E	84.4	197.6	1.338	23.45	44.7	SO312	.04070	8.5833	0.4	A
9007	34548.74	67 27N	32 49E	80.4	197.4	1.484	16.45	45.4	SO312	.04070	9.0372	0.4	F
9008	34551.14	67 29N	32 49E	79.3	197.2	1.484	16.10	45.4	SO312	.03070	9.2683	0.6	V
9009	34553.94	67 29N	32 50E	80.4	197.1	1.484	16.45	45.3	SO312	.03070	9.0290	0.6	A
9010	34651.14	60 45N	28 44E	88.1	193.4	1.690	30.10	51.8	SO312	.03070	8.3440	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

4353

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1296	9011	34654.34	60 45N	28 45E	89.6	193.4	1.484	30.80	51.8	SO312	.03070	8.0964	0.6	A
	9012	34658.14	60 29N	28 46E	92.6	193.3	1.484	33.60	52.0	SO312	.03070	7.8323	0.6	F
	9013	34708.14	57 0N	24 8E	83.3	192.0	1.690	-27.30	54.7	SO312	.03070	8.6823	0.6	F
	9014	34711.14	56 60N	24 7E	82.3	191.9	1.690	-27.30	54.8	SO312	.03070	8.9134	0.4	V
	9015	34715.54	56 41N	24 7E	80.7	191.8	1.690	-24.85	55.0	SO312	.03070	9.1032	0.6	V
	9016	34718.54	56 41N	24 7E	81.4	191.8	1.690	-24.50	55.0	SO312	.03070	8.9382	1.6	A
	9017	34727.54	55 55N	23 24E	86.7	191.6	1.690	-32.90	55.6	SO312	.03070	8.4595	0.6	V
	9018	34730.74	55 55N	23 24E	87.4	191.5	1.690	-32.55	55.6	SO312	.03070	8.3274	0.6	A
	9019	34735.34	55 21N	23 31E	81.2	191.4	1.690	-25.90	56.2	SO312	.03070	9.0455	0.8	V
	9020	34738.34	55 21N	23 32E	81.9	191.4	2.037	-25.90	56.2	SO312	.03070	8.8804	0.8	A
	9021	34743.94	54 33N	23 21E	80.5	191.3	1.826	-23.45	56.9	SO312	.03070	8.9877	0.4	F
	9022	34754.74	53 37N	24 47E	81.8	191.1	2.181	21.70	58.1	SO312	.03070	8.9052	0.6	F
	9023	34757.74	53 37N	24 47E	81.1	191.0	2.181	22.05	58.1	SO312	.03070	9.0785	0.6	V
	9024	34762.54	53 19N	24 23E	77.5	190.9	2.181	15.40	58.3	SO312	.03070	9.4994	0.6	V
	9025	34765.34	53 19N	24 23E	78.5	190.9	2.181	15.75	58.3	SO312	.03070	9.2435	0.6	A
	9026	34770.74	52 34N	24 7E	78.7	190.8	2.181	16.10	58.9	SO312	.03070	9.2600	0.6	F
	9027	34773.94	52 32N	24 8E	78.2	190.7	2.181	17.15	59.0	SO312	.03070	9.4003	0.6	V
	9028	34778.94	52 15N	23 38E	74.6	190.7	2.181	6.65	59.1	SO312	.03070	9.8543	0.4	V
	9029	34786.34	51 53N	24 2E	81.4	190.5	2.037	21.35	59.6	SO312	.03070	8.9052	1.2	A
	9030	34792.74	51 13N	24 2E	84.2	190.4	2.037	26.60	60.2	SO312	.03070	8.7318	0.4	V
	9031	34795.34	50 50N	23 54E	85.2	190.4	2.037	26.60	60.5	SO312	.03070	8.5593	0.4	F
	9032	34798.34	50 50N	23 53E	84.2	190.3	2.037	26.60	60.5	SO312	.03070	8.7318	0.4	V
	9033	34804.14	50 15N	23 39E	84.4	190.3	2.181	25.55	61.0	SO312	.03070	8.6411	0.4	F
	9034	34809.54	50 4N	23 37E	84.4	190.2	2.037	26.95	61.2	SO312	.03070	8.7153	0.6	V
	9035	34812.54	50 5N	23 38E	85.7	190.1	2.037	27.30	61.2	SO312	.03070	8.4512	0.6	A
	9036	34818.34	49 30N	23 16E	81.8	190.1	2.181	23.45	61.6	SO312	.03070	9.0042	0.6	V
	9037	34821.34	49 30N	23 16E	83.0	190.0	2.181	23.80	61.6	SO312	.03070	8.7401	0.6	A
	9038	34826.14	49 10N	23 4E	81.4	189.9	2.181	21.70	61.8	SO312	.03070	8.9052	0.4	A
	9039	34831.54	48 26N	22 42E	79.5	189.9	2.390	17.85	62.4	SO312	.03070	9.1527	1.0	F
	9040	34837.14	48 26N	22 43E	80.0	189.8	2.181	18.90	62.4	SO312	.03070	9.0702	1.0	A
	9041	34845.54	47 34N	21 40E	74.5	189.7	2.390	-4.55	62.8	SO312	.03070	9.7387	0.8	F
	9042	34850.74	47 35N	21 40E	74.5	189.6	2.390	-3.85	62.8	SO312	.03070	9.7470	1.0	A
	9043	34858.74	46 42N	21 5E	76.2	189.5	2.390	-14.35	63.4	SO312	.03070	9.5159	0.6	F
	9044	34861.34	46 42N	21 5E	75.2	189.5	2.390	-14.00	63.4	SO312	.03070	9.7635	1.0	V
	9045	34864.54	46 40N	21 4E	76.0	189.5	2.390	-13.65	63.4	SO312	.03070	9.5654	0.4	A
	9046	34870.34	46 14N	21 18E	74.6	189.4	2.530	-2.80	63.9	SO312	.03070	9.7387	0.8	A
	9047	34880.94	45 24N	20 24E	78.9	189.3	2.390	-23.10	64.3	SO312	.03070	9.3096	0.4	V
	9048	34883.74	45 24N	20 24E	79.6	189.2	2.390	-22.75	64.3	SO312	.03070	9.1362	0.6	A
	9049	34887.14	44 58N	20 16E	79.1	189.2	2.390	-23.45	64.6	SO312	.03070	9.2848	0.8	V
	9050	34890.14	44 58N	20 16E	79.8	189.2	2.390	-23.10	64.6	SO312	.03070	9.1115	0.8	A
	9051	34904.74	43 36N	21 20E	81.1	189.0	2.390	22.05	66.2	SO312	.03070	9.0537	0.6	V
	9052	34907.74	43 36N	21 20E	82.4	189.0	2.390	22.40	66.2	SO312	.03070	8.7896	0.6	A
	9053	34911.14	43 10N	21 16E	82.2	188.9	2.390	23.80	66.5	SO312	.03070	8.9299	0.6	V
	9054	34914.34	43 9N	21 17E	83.6	188.9	2.181	24.50	66.6	SO312	.03070	8.6058	0.4	A
	9055	34927.34	42 1N	19 32E	79.3	188.8	2.530	-22.05	66.7	SO312	.03070	9.1197	0.4	F
	9056	34930.14	42 1N	19 32E	78.3	188.8	2.530	-21.70	66.7	SO312	.03070	9.3756	0.4	V
	9057	34936.34	41 22N	19 51E	74.9	188.7	2.738	-6.30	67.4	SO312	.03070	9.6974	0.4	F
	9058	34938.94	41 22N	19 51E	74.0	188.7	2.738	-5.95	67.4	SO312	.03070	9.9285	1.0	V
	9059	34942.34	41 19N	19 50E	74.9	188.6	2.738	-5.60	67.4	SO312	.03070	9.6974	0.4	A
	9060	34948.94	40 32N	19 17E	77.7	188.6	2.530	-17.85	67.7	SO312	.04070	9.3261	0.6	F
	9061	34951.74	40 31N	19 17E	76.7	188.6	2.530	-17.50	67.7	SO312	.04070	9.5737	0.6	V
	9062	35085.14	31 10N	16 60E	81.3	187.6	2.881	-23.10	72.1	SO312	.03070	8.8887	0.4	F
	9063	35604.54	4 45S	11 51E	108.6	186.5	2.738	29.05	55.6	SO312	.02200	6.6521	0.6	F
	9064	35608.54	4 46S	11 51E	108.2	186.5	2.530	29.75	55.6	SO312	.03070	6.7181	0.6	V
	9065	35612.54	4 46S	11 52E	110.7	186.5	2.530	30.45	55.7	SO312	.02200	6.4375	0.6	A
1297	9001	40094.14	51 32N	0 8W	85.2	190.5	1.826	-30.45	59.4	SO312	.03070	8.4843	0.8	F
	9002	40097.14	51 32N	0 8W	83.9	190.5	1.826	-30.10	59.4	SO312	.03070	8.7401	0.8	V
	9003	40192.14	44 53N	0 41W	76.6	189.2	2.390	13.30	65.1	SO312	.03070	9.5902	0.6	V
	9004	40194.94	44 53N	0 41W	77.7	189.2	2.390	13.65	65.1	SO312	.03070	9.3261	0.6	A
1298	9001	45198.94	65 17N	13 59W	76.2	195.6	1.484	3.50	47.4	SO312	.04070	9.5241	0.6	A
	9002	45599.74	37 46N	25 40W	78.8	188.3	2.738	-20.30	69.3	SO312	.03070	9.1940	0.8	F
	9003	45602.54	37 46N	25 40W	77.7	188.2	2.738	-19.95	69.3	SO312	.03070	9.4416	0.6	V
1299	9001	51379.14	5 31N	54 1W	88.7	186.5	3.587	-17.85	63.3	SO312	.03070	8.1294	0.6	A
	9002	51486.14	1 56S	54 3W	105.6	186.5	2.530	28.35	58.1	SO312	.02200	6.7676	1.2	A
	9003	51593.54	9 16S	54 57W	122.8	186.6	2.037	36.75	51.8	SO312	.02200	5.7773	1.4	A
	9004	51732.74	18 58S	57 40W	102.6	186.9	3.092	7.35	42.4	SO312	.03070	7.0482	1.0	V
	9005	51776.14	22 2S	59 57W	130.1	187.0	3.092	-39.20	38.8	SO312	.03070	5.4719	0.6	F
	9006	51794.74	22 57S	57 35W	125.3	187.1	2.181	30.10	39.1	SO312	.03070	5.6370	0.6	A
	9007	51800.94	23 22S	57 26W	133.1	187.1	1.826	35.00	38.8	SO312	.02200	5.3069	0.6	A
	9008	51818.74	25 15S	57 43W	134.3	187.2	2.181	34.65	37.0	SO312	.03070	5.3399	1.4	F
	9009	51823.34	25 15S	57 36W	137.8	187.2	1.826	37.45	37.1	SO312	.02200	5.2243	1.0	V
	9010	51828.94	25 16S	57 36W	140.5	187.2	1.690	37.80	37.0	SO312	.02200	5.0097	0.6	A
	9011	51847.54	26 50S	58 19W	125.9	187.3	2.181	29.05	35.4	SO312	.03070	5.7195	1.0	V
	9012	51883.14	29 9S	59 41W	110.5	187.5	2.881	6.30	32.8	SO312	.03070	6.5118	1.0	V
	9013	51887.34	29 9S	59 40W	112.4	187.5	2.881	7.00	32.8	SO312	.03070	6.2972	1.0	A
	9014	51929.94	32 28S	61 34W	120.9	187.7	3.092	-23.80	29.2	SO312	.03070	5.8763	0.6	F
	9015	51934.34	32 47S	61 21W	116.7	187.7	3.092	-17.15	29.0	SO312	.03070	6.0909	0.6	F
	9016	51943.54	33 24S	61 33W	117.8	187.8	3.092	-18.20	28.4	SO312	.03070	6.0331	0.6	F
	9017	51949.14	33 48S	61 19W	114.9	187.8	3.092	-10.50	28.2	SO312	.04070	6.1899	1.0	F
	9018	51951.54	33 58S	61 22W	115.1	187.8	3.092	-10.50	28.0	SO312	.04070	6.1817	1.0	F
	9019	51956.34	34 2S	61 16W	113.5	187.9	3.092	-7.35	28.0	SO312	.04070	6.3302	0.8	V
	9020	51960.94	34 4S	61 5W	114.8	187.9	2.881	-2.10	28.0	SO312	.04070	6.1569	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1299 9021	51967.74	34 44S	61 54W	118.2	187.9	3.092	-18.55	27.1	S0312	.04070	6.0744	1.4	V
9022	51974.94	34 54S	62 6W	122.1	188.0	3.232	-21.70	26.9	S0312	.03070	5.8020	1.4	A
9023	51983.54	36 11S	61 24W	116.3	188.0	2.881	1.40	26.1	S0312	.04070	6.1156	1.4	F
9024	51991.34	36 9S	61 4W	119.6	188.1	2.530	10.15	26.2	S0312	.04070	5.9011	1.0	A
1300 5001	56595.34	11 7N	73 23W	114.5	186.6	2.037	42.00	68.7	S0130	.01660	6.3803	0.8	V
9001	56604.74	10 33N	74 12W	90.7	186.6	2.738	22.05	67.7	S0312	.03070	8.0551	0.6	V
9002	56614.74	9 45N	75 7W	83.7	186.6	3.439	-8.75	66.6	S0312	.03070	8.6411	1.4	F
9003	56622.74	9 27N	75 41W	91.0	186.6	3.439	-27.65	66.0	S0312	.03070	8.0303	1.4	V
9004	56650.34	7 39N	74 48W	91.8	186.6	2.881	19.60	65.6	S0312	.02200	7.8158	1.4	A
9005	56670.94	6 17N	75 35W	85.0	186.5	3.439	-1.75	64.2	S0312	.03070	8.4678	1.4	A
9006	56681.14	5 9N	75 40W	85.5	186.5	3.439	1.40	63.4	S0312	.03070	8.4595	1.4	F
9007	56686.74	4 47N	75 55W	85.5	186.5	3.439	-5.60	63.0	S0312	.03070	8.4512	0.4	F
9008	56692.54	4 34N	75 40W	85.9	186.5	3.439	5.95	63.0	S0312	.03070	8.4925	0.4	V
9009	56699.14	4 22N	76 5W	86.4	186.5	3.587	-8.75	62.6	S0312	.03070	8.3357	1.4	A
9010	56706.14	3 29N	76 31W	90.2	186.5	3.439	-20.30	61.7	S0312	.03070	7.9890	0.4	F
9011	56709.14	3 30N	76 30W	88.8	186.5	3.439	-19.25	61.7	S0312	.03070	8.2202	0.8	V
9012	56712.34	3 30N	76 30W	89.8	186.5	3.439	-18.90	61.7	S0312	.03070	8.0303	0.8	A
9013	56754.14	0 10N	76 52W	89.3	186.5	3.587	-11.55	59.1	S0312	.03070	8.0634	1.4	F
9014	56761.54	0 23S	76 38W	89.1	186.5	3.439	1.05	58.9	S0312	.03070	8.1046	0.6	F
9015	56768.94	0 24S	76 58W	89.9	186.5	3.587	-10.50	58.7	S0312	.03070	7.9973	1.4	A
9016	56786.14	2 2S	77 10W	90.0	186.5	3.587	-8.05	57.4	S0312	.03070	8.0056	0.6	F
9017	56791.74	1 60S	76 58W	90.3	186.5	3.439	0.35	57.5	S0312	.03070	7.9396	1.4	A
9018	56825.54	4 26S	78 24W	105.7	186.5	3.232	-34.30	54.8	S0312	.02200	6.8667	1.0	V
9019	56923.74	11 45S	77 8W	136.1	186.6	2.181	42.00	49.7	S0312	.02200	5.3151	0.8	F
1303 5001	70872.33	56 0N	36 7E	102.8	348.5	-2.020	-23.45	-7.2	S0130	.29590	6.9911	0.6	F
1306 9001	1253.33	64 42N	170 28E	90.0	195.5	1.338	31.50	48.0	S0312	.03070	8.1624	0.8	V
9002	1256.53	64 42N	170 27E	91.0	195.3	1.338	31.50	48.0	S0312	.02200	7.9643	0.8	A
9003	1343.93	58 59N	163 45E	84.9	192.6	1.484	-30.10	52.9	S0312	.04070	8.6328	0.4	V
9004	1346.93	58 59N	163 46E	85.7	192.5	1.690	-30.10	52.9	S0312	.04070	8.4925	0.4	A
9005	1350.13	58 33N	163 34E	84.8	192.5	1.484	-30.10	53.3	S0312	.04070	8.6411	0.4	V
9006	1353.13	58 34N	163 34E	85.6	192.4	1.690	-30.10	53.3	S0312	.04070	8.5008	0.4	A
1307 9001	6727.73	53 35N	141 29E	80.6	191.1	2.181	19.60	58.0	S0312	.02200	9.0455	0.4	F
9002	6730.53	53 35N	141 29E	79.8	191.0	2.181	19.95	58.0	S0312	.03070	9.2188	0.4	V
9003	6740.93	52 53N	141 16E	80.7	190.8	2.037	21.70	58.7	S0312	.02200	9.1032	0.4	V
9004	6743.73	52 53N	141 16E	81.9	190.8	2.037	22.05	58.7	S0312	.02200	8.8474	0.6	A
1308 9001	11773.53	71 43N	128 43E	85.8	200.9	0.787	-27.30	41.1	S0312	.03070	8.5503	0.8	V
9002	11776.73	71 43N	128 43E	86.6	200.6	0.995	-27.30	41.1	S0312	.03070	8.3770	0.8	A
9003	11920.13	61 49N	122 26E	74.6	193.8	1.690	-0.70	50.5	S0312	.04070	9.8460	0.6	V
9004	11922.93	61 49N	122 26E	75.5	193.8	1.690	-0.35	50.6	S0312	.04070	9.6232	0.6	A
9005	12037.53	53 45N	119 44E	84.3	191.1	2.037	26.95	58.0	S0312	.02200	8.7153	0.4	V
9006	12040.73	53 45N	119 47E	86.4	191.0	1.826	28.35	58.0	S0312	.03070	8.4017	0.6	A
9007	12061.73	52 16N	117 44E	74.1	190.6	2.181	-9.45	58.9	S0312	.03070	9.9203	0.4	V
9008	12064.53	52 16N	117 44E	74.9	190.6	2.390	-9.45	58.9	S0312	.03070	9.7057	0.4	A
9009	12079.53	50 56N	116 27E	84.7	190.4	1.826	-30.45	59.8	S0312	.03070	8.5338	1.8	F
9010	12085.13	50 47N	116 14E	86.5	190.3	1.826	-33.60	59.9	S0312	.02200	8.4678	0.6	V
9011	12088.33	50 47N	116 14E	87.4	190.2	2.037	-33.60	59.9	S0312	.02200	8.3357	0.6	A
9012	12091.73	50 33N	116 7E	88.2	190.2	2.037	-34.65	60.0	S0312	.03070	8.2532	0.4	A
9013	12104.13	49 29N	117 32E	76.9	190.0	2.390	13.30	61.4	S0312	.02200	9.4251	0.4	A
9014	12217.73	41 41N	115 42E	86.5	188.7	2.181	28.70	67.6	S0312	.03070	8.3770	0.4	A
9015	12224.93	40 50N	115 8E	79.4	188.6	2.738	18.55	68.0	S0312	.03070	9.1775	0.4	F
9016	12229.93	40 28N	115 8E	81.2	188.6	2.530	21.35	68.3	S0312	.03070	8.9877	0.6	F
9017	12232.73	40 28N	115 8E	80.5	188.6	2.530	21.70	68.3	S0312	.03070	9.1445	0.6	V
9018	12246.13	39 45N	113 10E	87.8	188.5	2.390	-35.35	67.8	S0312	.02200	8.3522	0.8	V
9019	12249.33	39 45N	113 10E	88.6	188.4	2.390	-35.00	67.9	S0312	.02200	8.2202	0.8	A
9020	12265.33	38 16N	114 20E	77.7	188.3	2.738	14.70	69.6	S0312	.03070	9.4499	0.4	V
9021	12267.33	38 8N	114 18E	77.8	188.3	2.738	14.70	69.7	S0312	.02200	9.4499	0.4	V
9022	12274.73	37 53N	113 32E	75.0	188.2	2.881	-10.15	69.4	S0312	.03070	9.6892	0.4	A
9023	12284.33	36 55N	114 26E	86.4	188.2	2.390	28.00	70.6	S0312	.02200	8.5008	0.8	V
9024	12287.53	36 55N	114 26E	87.8	188.1	2.390	28.35	70.6	S0312	.02200	8.2284	0.8	A
9025	12298.33	36 11N	114 7E	84.8	188.1	2.530	24.50	70.9	S0312	.02200	8.5173	0.6	A
9026	12307.73	35 20N	113 50E	81.9	188.0	2.530	21.70	71.3	S0312	.02200	8.9877	0.6	V
9027	12313.53	34 58N	113 31E	77.9	187.9	2.738	14.00	71.3	S0312	.03070	9.4334	0.4	V
9028	12318.93	34 37N	113 9E	74.5	187.9	2.881	3.85	71.3	S0312	.03070	9.8543	0.6	V
9029	12323.73	34 29N	113 2E	75.5	187.9	2.881	0.70	71.3	S0312	.02200	9.5984	0.4	A
9030	12333.13	33 48N	113 17E	79.7	187.8	2.738	15.75	71.9	S0312	.03070	9.0867	1.4	A
9031	12416.93	27 40N	111 50E	79.1	187.4	3.092	10.85	73.5	S0312	.03070	9.1940	1.0	F
9032	12422.93	27 15N	111 44E	78.9	187.3	3.092	9.80	73.5	S0312	.03070	9.2188	0.4	F
9033	12428.53	27 16N	111 44E	79.4	187.3	3.092	10.85	73.5	S0312	.03070	9.1032	0.4	A
9034	12479.53	23 31N	111 20E	86.0	187.1	2.738	23.10	73.7	S0312	.03070	8.5255	0.4	V
9035	12482.73	23 31N	111 19E	87.4	187.1	2.738	23.45	73.7	S0312	.03070	8.2449	0.4	A
9036	12496.53	22 40N	110 10E	80.3	187.0	3.439	-15.40	72.6	S0312	.03070	9.0290	0.6	A
9037	12509.33	21 19N	110 25E	79.5	187.0	3.232	4.55	72.8	S0312	.04070	9.1280	0.6	F
9038	12514.33	21 11N	110 17E	78.2	187.0	3.232	0.70	72.6	S0312	.03070	9.3756	0.6	V
9039	12517.33	21 11N	110 17E	79.3	187.0	3.232	1.05	72.6	S0312	.03070	9.1197	0.4	A
9040	12526.13	20 6N	110 36E	86.3	186.9	3.092	19.95	72.8	S0312	.03070	8.4430	0.4	F
9041	12529.13	20 7N	110 35E	85.5	186.9	2.881	20.30	72.8	S0312	.03070	8.5668	0.4	V
9042	12538.53	19 44N	109 41E	80.4	186.9	3.439	-11.90	71.9	S0312	.03070	9.0124	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1308 9043	12549.53	18 33N	109 59E	81.3	186.9	3.232	8.05	71.9	S0312	.03070	8.9299	1.0	F
9044	12556.73	18 16N	109 45E	79.2	186.9	3.232	1.05	71.6	S0312	.03070	9.2518	0.4	V
9045	12559.73	18 16N	109 45E	80.4	186.8	3.232	1.75	71.6	S0312	.03070	8.9877	0.4	A
9046	12605.73	15 8N	108 49E	82.5	186.7	3.439	-12.95	69.8	S0312	.03070	8.7649	0.6	A
9047	12618.33	13 47N	109 13E	85.0	186.7	3.232	12.60	69.6	S0312	.03070	8.5338	0.4	F
9048	12621.33	13 47N	109 13E	84.3	186.7	3.232	12.95	69.6	S0312	.03070	8.6658	0.4	V
9049	12651.53	11 58N	108 26E	82.8	186.7	3.439	-4.90	68.1	S0312	.03070	8.7153	0.6	A
9050	12666.33	10 58N	108 5E	84.2	186.6	3.587	-11.90	67.3	S0312	.03070	8.5833	0.6	A
9051	12871.33	2 56S	104 47E	112.0	186.5	3.439	-38.15	56.0	S0312	.03070	6.4458	1.2	A
9052	12898.13	5 23S	105 15E	93.5	186.5	3.587	-11.20	54.5	S0312	.03070	7.6920	0.6	F
9053	12901.33	5 22S	105 15E	92.5	186.5	3.587	-10.85	54.5	S0312	.03070	7.8653	0.6	V
9054	12905.93	5 28S	105 20E	93.3	186.5	3.587	-6.65	54.5	S0312	.03070	7.6920	0.4	A
1309 9001	17377.33	51 44N	94 31E	86.0	190.5	1.826	-31.85	59.1	S0312	.02200	8.4017	0.4	F
9002	18688.53	37 51S	77 33E	122.0	188.2	2.530	12.60	24.7	S0312	.04070	5.8681	0.6	V
9003	18693.13	37 50S	77 33E	124.1	188.3	2.530	12.95	24.7	S0312	.04070	5.8700	0.6	A
1310 5001	22696.53	51 3N	71 30E	101.9	190.4	1.484	-44.10	59.5	S0130	.01660	7.0736	0.8	F
5002	22714.33	49 52N	73 12E	74.2	190.1	2.390	6.30	61.0	S0130	.02210	9.8965	0.4	V
5003	22717.13	49 52N	73 12E	75.2	190.1	2.390	6.65	61.0	S0130	.02210	9.6654	0.4	A
5004	22770.13	45 57N	72 50E	88.0	189.4	2.181	30.80	64.5	S0130	.01660	8.3695	0.6	V
5005	22773.53	45 57N	72 50E	89.5	189.3	2.181	31.15	64.5	S0130	.01660	8.1219	0.6	A
5006	22867.73	39 30N	68 60E	83.3	188.4	2.530	-32.55	68.1	S0130	.02210	8.8400	0.6	V
5007	22870.73	39 30N	69 1E	83.8	188.4	2.530	-31.85	68.1	S0130	.02210	8.6996	0.6	A
5008	22916.53	35 54N	68 48E	75.8	188.0	2.738	-11.90	70.4	S0130	.01660	9.5663	0.8	F
5009	22921.93	35 54N	68 48E	75.8	188.0	2.738	-10.85	70.4	S0130	.01660	9.5993	0.8	A
5010	22999.13	30 15N	67 3E	84.8	187.5	2.881	-29.75	72.1	S0130	.01660	8.5016	1.0	F
5011	23005.33	30 14N	67 3E	84.3	187.5	2.881	-28.70	72.1	S0130	.01660	8.6254	0.8	A
5012	23076.33	24 52N	66 47E	78.0	187.2	3.092	1.40	73.3	S0130	.02210	9.3022	0.6	F
5013	23081.93	24 52N	66 48E	78.4	187.2	3.092	2.45	73.3	S0130	.02210	9.2362	0.6	A
9001	22636.93	55 5N	73 32E	87.7	191.4	1.690	-32.90	56.3	S0312	.03070	8.2449	1.2	F
9002	22643.13	55 5N	73 31E	87.3	191.3	1.690	-32.55	56.3	S0312	.03070	8.3357	1.4	A
9003	22708.93	50 5N	73 0E	74.3	190.2	2.390	-2.10	60.8	S0312	.03070	9.7800	0.8	F
9004	22714.13	49 52N	73 12E	74.2	190.1	2.390	6.30	61.0	S0312	.03070	9.8955	0.6	V
9005	22716.93	49 52N	73 12E	75.2	190.1	2.390	6.65	61.0	S0312	.03070	9.6644	0.4	A
9006	22760.13	46 26N	72 52E	85.8	189.5	2.390	27.30	64.0	S0312	.03070	8.4925	0.8	F
9007	22763.13	46 26N	72 52E	85.0	189.5	2.181	27.65	64.0	S0312	.03070	8.6658	0.8	V
9008	22766.93	45 57N	72 50E	88.5	189.4	2.390	30.10	64.5	S0312	.02200	8.2367	0.6	F
9009	22770.13	45 57N	72 50E	88.0	189.4	2.181	30.80	64.5	S0312	.02200	8.3687	0.6	V
9010	22777.73	45 39N	72 38E	87.0	189.3	2.181	28.70	64.7	S0312	.02200	8.3357	0.6	A
9011	22807.73	43 14N	71 39E	81.4	189.0	2.390	21.35	66.4	S0312	.03070	8.9464	0.4	F
9012	22808.93	43 9N	71 38E	81.4	189.0	2.390	21.35	66.4	S0312	.03070	8.9464	0.4	F
9013	22815.73	42 46N	70 56E	74.5	188.9	2.738	2.80	66.5	S0312	.03070	9.7552	0.4	F
9014	22825.73	42 33N	69 59E	80.7	188.8	2.530	-25.20	66.2	S0312	.03070	9.0290	0.4	A
9015	22830.33	42 17N	69 40E	85.9	188.8	2.530	-32.20	66.3	S0312	.03070	8.4843	0.4	A
9016	22834.73	41 33N	69 36E	83.9	188.7	2.530	-29.75	66.8	S0312	.02200	8.6328	1.4	F
9017	22840.73	41 33N	69 36E	83.4	188.7	2.530	-29.05	66.8	S0312	.02200	8.7401	1.4	A
9018	22847.73	40 39N	69 36E	79.0	188.6	2.530	-23.45	67.5	S0312	.03070	9.1775	0.6	F
9019	22853.13	40 15N	69 42E	77.1	188.5	2.738	-17.15	67.9	S0312	.02200	9.3921	0.4	F
9020	22855.73	40 16N	69 42E	76.1	188.5	2.738	-16.80	67.9	S0312	.02200	9.6479	0.6	V
9021	22864.73	39 30N	68 60E	84.5	188.4	2.530	-32.90	68.1	S0312	.03070	8.5668	0.6	F
9022	22881.13	38 34N	68 50E	83.5	188.3	2.530	-30.10	68.6	S0312	.02200	8.7814	0.6	V
9023	22884.33	38 33N	68 50E	84.2	188.3	2.530	-29.75	68.7	S0312	.02200	8.6328	0.6	A
9024	22916.33	35 54N	68 48E	75.9	188.1	2.738	-11.90	70.4	S0312	.02200	9.5654	1.0	F
9025	22921.73	35 54N	68 48E	75.8	188.0	2.738	-10.85	70.4	S0312	.02200	9.5984	1.0	A
9026	22937.13	34 34N	69 19E	79.8	187.9	2.738	18.55	71.6	S0312	.02200	9.1940	0.6	V
9027	22940.13	34 34N	69 19E	81.0	187.9	2.738	18.90	71.6	S0312	.02200	8.9217	0.6	A
9028	22955.53	33 34N	68 25E	74.8	187.8	3.092	-5.60	71.6	S0312	.02200	9.7057	1.0	A
9029	22999.13	30 15N	67 3E	84.9	187.5	2.881	-29.75	72.1	S0312	.02200	8.5008	0.8	F
9030	23005.13	30 15N	67 3E	84.3	187.5	2.881	-28.70	72.1	S0312	.02200	8.6246	1.0	A
9031	23076.13	24 52N	66 47E	78.0	187.2	3.092	1.40	73.3	S0312	.03070	9.3013	0.6	F
9032	23081.73	24 52N	66 48E	78.3	187.2	3.092	2.45	73.3	S0312	.03070	9.2353	0.8	A
9033	23732.93	20 7S	57 30E	120.0	186.9	3.092	-32.55	40.7	S0312	.03070	5.9341	1.4	F
9034	23737.33	20 7S	57 30E	118.2	186.9	3.092	-31.85	40.8	S0312	.03070	6.1156	1.2	V
1311 5001	27894.13	58 7N	56 17E	101.8	192.5	1.690	40.25	54.2	S0130	.02210	7.1644	0.8	F
5002	28041.53	48 42N	49 27E	82.8	189.8	2.181	-29.05	61.6	S0130	.02210	8.8585	0.6	V
5003	28044.73	48 41N	49 27E	83.6	189.8	2.181	-28.70	61.6	S0130	.02210	8.7079	0.4	A
5004	28124.73	42 49N	47 30E	90.9	188.9	2.181	-36.75	65.8	S0130	.01250	7.9403	0.6	F
5005	28127.93	42 49N	47 30E	89.5	188.9	2.181	-36.40	65.8	S0130	.01250	8.1796	0.6	V
5006	28151.93	40 54N	47 48E	76.2	188.6	2.390	-14.70	67.5	S0130	.02210	9.5003	0.6	F
5007	28157.33	40 54N	47 49E	76.1	188.6	2.738	-14.00	67.5	S0130	.02210	9.5581	0.6	A
9001	27852.33	61 19N	56 36E	78.3	193.7	1.690	16.10	51.1	S0312	.04070	9.3838	0.4	V
9002	27855.13	61 20N	56 37E	79.4	193.6	1.690	16.45	51.1	S0312	.04070	9.1362	0.6	A
9003	27901.53	58 9N	55 30E	87.3	192.4	1.690	28.70	54.0	S0312	.02200	8.3027	0.4	A
9004	27916.13	57 4N	53 60E	75.2	192.0	2.037	7.70	54.9	S0312	.04070	9.7800	0.6	V
9005	27918.93	57 4N	53 60E	76.1	192.0	2.037	8.05	54.9	S0312	.04070	9.5324	0.6	A
9006	27952.33	54 52N	52 27E	75.0	191.3	2.037	-7.00	56.7	S0312	.03070	9.6892	0.6	A
9007	27981.13	52 35N	52 50E	83.4	190.8	2.037	25.55	58.9	S0312	.03070	8.8061	0.8	V
9008	27984.33	52 34N	52 50E	84.7	190.7	2.037	25.90	58.9	S0312	.03070	8.5503	0.8	A
9009	27991.93	51 41N	52 19E	81.3	190.6	2.037	21.35	59.7	S0312	.03070	8.9547	1.0	F
9010	27997.73	51 41N	52 19E	81.7	190.5	2.037	22.05	59.7	S0312	.03070	8.8639	1.0	A
9011	28021.33	50 7N	51 10E	75.4	190.1	2.390	6.30	60.8	S0312	.03070	9.6232	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SUB RNG NM	VEHICLE AZIMUTH DEG	CHAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1311 9012	28038.53	48 42N	49 27E	84.0	189.9	2.181	-29.40	61.6	S0312	.03070	8.5998	0.4	F
9013	28044.53	48 42N	49 27E	83.5	189.8	2.181	-28.70	61.6	S0312	.03070	8.7071	0.4	A
9014	28124.73	42 44N	47 30E	91.9	188.9	2.181	-36.75	65.8	S0312	.01650	7.9396	0.6	F
9015	28127.93	42 48N	47 30E	89.5	188.9	2.181	-36.40	65.8	S0312	.01650	8.1789	0.6	V
9016	28129.93	42 40N	47 28E	89.3	188.8	2.181	-36.40	65.9	S0312	.01650	8.2037	0.4	V
9017	28133.13	42 40N	47 28E	90.0	188.8	2.181	-36.05	65.9	S0312	.01650	8.0799	0.6	A
9018	28151.73	40 54N	47 48E	76.3	188.6	2.390	-14.70	67.5	S0312	.03070	9.4994	0.6	F
9019	28157.33	40 54N	47 49E	76.0	188.6	2.738	-14.00	67.5	S0312	.03070	9.5571	0.6	A
9020	28186.93	38 46N	48 16E	68.2	188.3	2.530	20.30	69.4	S0312	.03070	9.0372	0.6	A
9021	28528.33	15 6N	43 18E	87.6	186.7	2.738	20.30	70.5	S0312	.03070	8.3522	0.6	V
9022	28531.73	15 5N	43 18E	89.2	186.7	2.738	21.00	70.5	S0312	.02200	8.0551	0.4	A
9023	28554.93	13 5N	42 44E	85.4	186.7	3.092	12.25	69.2	S0312	.03070	8.4925	1.0	F
9024	28557.93	13 5N	42 44E	84.7	186.7	3.092	12.60	69.2	S0312	.03070	8.6328	1.0	V
9025	28617.33	9 20N	42 8E	86.9	186.6	3.092	15.40	66.8	S0312	.03070	8.4017	0.6	V
9026	28615.53	9 20N	42 8E	84.5	186.6	3.092	16.10	66.8	S0312	.03070	8.1129	0.6	A
9027	28822.73	5 3S	39 5E	91.8	186.5	3.439	-4.90	54.9	S0312	.04070	7.9231	0.4	V
9028	28826.13	5 3S	39 7E	93.0	186.5	3.439	-4.20	54.9	S0312	.04070	7.7002	0.4	A
9029	28843.13	6 4S	39 15E	96.5	186.6	3.232	10.50	53.6	S0312	.03070	7.4691	0.8	F
9030	28846.53	6 4S	39 15E	95.8	186.6	3.232	10.85	53.6	S0312	.03070	7.5847	0.8	V
9031	28851.33	6 4S	39 19E	94.8	186.6	3.232	14.00	53.6	S0312	.03070	7.2298	0.6	A
1312 5001	33288.73	52 2N	30 6E	76.6	190.8	2.181	11.20	58.9	S0130	.02210	9.5003	0.6	F
5002	33291.53	52 2N	30 6E	75.8	190.7	2.181	11.55	58.9	S0130	.02210	9.6901	0.6	V
5003	33298.53	52 4N	29 12E	74.2	190.6	2.181	-9.45	59.1	S0130	.02210	9.8965	0.6	V
5004	33301.33	52 3N	29 12E	75.1	190.5	2.181	-9.10	59.1	S0130	.02210	9.6984	0.6	A
5005	33306.53	51 21N	28 49E	75.9	190.5	2.181	-13.30	59.6	S0130	.02210	9.5581	0.6	F
5006	33309.13	51 21N	28 49E	74.9	190.4	2.181	-12.95	59.6	S0130	.02210	9.7974	0.6	V
5007	33332.33	49 58N	28 18E	76.0	190.1	2.390	-14.00	60.7	S0130	.02210	9.5828	0.6	A
5008	33381.73	46 26N	29 3E	98.5	189.4	1.826	37.10	64.2	S0130	.01660	7.5276	0.4	A
5009	34383.73	22 26S	15 2E	123.6	187.0	2.390	29.40	39.6	S0130	.02210	5.8355	0.6	V
5010	34388.33	22 26S	15 3E	126.3	187.1	2.181	30.10	39.6	S0130	.02210	5.6127	0.8	A
9001	33049.93	68 39N	37 50E	80.6	198.1	1.135	-19.25	44.0	S0312	.04070	8.9712	0.8	F
9002	33055.73	68 39N	37 50E	80.4	197.8	1.135	-18.90	44.0	S0312	.04070	9.0290	0.8	A
9003	33099.13	65 11N	37 2E	79.3	195.8	1.690	14.70	47.5	S0312	.04070	9.1610	0.6	F
9004	33111.73	64 59N	34 35E	83.1	195.3	1.484	-25.55	47.5	S0312	.04070	8.7484	0.4	A
9005	33147.73	62 13N	34 17E	74.7	194.0	1.690	1.05	50.2	S0312	.04070	9.8377	0.6	V
9006	33152.13	61 46N	33 42E	75.6	193.9	1.690	-5.95	50.5	S0312	.04070	9.5902	0.6	F
9007	33157.53	61 44N	33 42E	75.5	193.7	1.826	-5.60	50.5	S0312	.04070	9.6149	0.6	A
9008	33162.93	61 5N	32 56E	77.1	193.6	1.690	-14.00	51.1	S0312	.04070	9.3921	0.4	F
9009	33169.53	60 44N	33 36E	74.9	193.4	1.826	4.55	51.5	S0312	.04070	9.8130	0.6	V
9010	33172.33	60 44N	33 35E	75.7	193.3	1.826	4.55	51.5	S0312	.04070	9.5902	0.6	A
9011	33180.33	60 6N	32 20E	76.6	193.1	1.690	-15.75	52.0	S0312	.04070	9.5819	0.6	V
9012	33183.13	60 6N	32 20E	77.4	193.0	1.690	-15.40	52.0	S0312	.04070	9.3921	0.6	A
9013	33188.93	59 31N	32 4E	76.4	192.9	1.826	-15.40	52.5	S0312	.04070	9.6067	1.0	V
9014	33192.33	59 29N	32 3E	77.1	192.8	1.826	-15.05	52.6	S0312	.04070	9.4168	0.6	A
9015	33203.73	58 33N	31 16E	79.3	192.5	1.690	-22.40	53.3	S0312	.03070	9.2518	0.4	V
9016	33206.53	58 34N	31 15E	80.1	192.4	1.690	-22.05	53.3	S0312	.03070	9.0785	0.6	A
9017	33219.13	57 28N	33 13E	90.0	192.1	1.690	31.85	54.7	S0312	.03070	8.0303	0.4	A
9018	33232.93	56 27N	31 33E	74.7	191.8	2.037	6.65	55.4	S0312	.04070	9.8295	0.6	V
9019	33235.73	56 27N	31 33E	75.6	191.8	2.037	7.00	55.4	S0312	.04070	9.5902	0.6	A
9020	33249.33	55 15N	30 11E	76.8	191.5	2.037	-15.40	56.3	S0312	.03070	9.4416	2.0	F
9021	33254.73	55 14N	30 15E	76.0	191.4	2.037	-12.95	56.3	S0312	.03070	9.5571	1.0	A
9022	33260.13	54 28N	30 18E	74.6	191.3	2.037	-4.20	57.1	S0312	.03070	9.7222	0.8	F
9023	33265.53	54 28N	30 19E	74.6	191.2	2.181	-3.50	57.1	S0312	.03070	9.7387	0.8	A
9024	33274.33	53 29N	30 8E	74.7	191.0	2.181	1.40	57.9	S0312	.03070	9.7222	0.6	F
9025	33276.93	53 29N	30 8E	73.8	191.0	2.181	1.75	58.0	S0312	.04070	9.9533	0.6	V
9026	33283.73	53 10N	30 27E	77.7	190.8	2.181	14.00	58.3	S0312	.03070	9.3343	0.4	A
9027	33288.73	52 27N	30 6E	76.6	190.8	2.181	11.20	58.9	S0312	.03070	9.4994	0.6	F
9028	33291.33	52 28N	30 6E	75.8	190.7	2.181	11.55	58.9	S0312	.03070	9.6892	0.6	V
9029	33298.53	52 3N	29 11E	74.2	190.6	2.181	-9.45	59.1	S0312	.03070	9.8955	0.6	V
9030	33306.53	51 21N	28 49E	75.9	190.5	2.181	-13.30	59.6	S0312	.03070	9.5571	0.4	F
9031	33312.33	51 8N	28 42E	75.2	190.4	2.181	-14.00	59.8	S0312	.03070	9.7635	0.4	V
9032	33315.13	51 8N	28 42E	76.0	190.3	2.181	-13.65	59.8	S0312	.03070	9.5654	0.4	A
9033	33317.73	50 57N	28 39E	75.9	190.3	2.181	-13.30	59.9	S0312	.03070	9.5737	0.4	A
9034	33323.73	50 8N	28 49E	74.4	190.2	2.390	-1.40	60.7	S0312	.03070	9.7635	0.6	F
9035	33326.33	50 8N	28 49E	73.5	190.2	2.390	-1.05	60.7	S0312	.03070	9.9946	0.6	V
9036	33332.33	49 58N	28 18E	75.9	190.1	2.390	-14.00	60.8	S0312	.03070	9.5819	0.4	A
9037	33339.13	49 22N	27 28E	84.2	190.0	2.181	-31.15	61.0	S0312	.03070	8.7071	1.0	V
9038	33342.33	49 22N	27 28E	84.9	189.9	2.181	-30.80	61.0	S0312	.03070	8.5585	1.0	A
9039	33343.93	49 15N	27 26E	84.9	189.9	2.181	-30.80	61.1	S0312	.03070	8.5668	0.4	A
9040	33355.93	47 54N	28 19E	75.2	189.8	2.390	5.60	62.6	S0312	.03070	9.6644	0.6	F
9041	33358.53	47 54N	28 19E	74.4	189.7	2.390	5.95	62.6	S0312	.03070	9.8790	0.6	V
9042	33366.53	47 3N	28 53E	86.8	189.6	2.181	28.35	63.5	S0312	.03070	8.3770	0.6	F
9043	33369.33	47 5N	28 52E	85.5	189.6	2.181	28.00	63.5	S0312	.03070	8.5833	0.6	V
9044	33372.53	47 5N	28 52E	86.8	189.5	2.181	28.35	63.5	S0312	.03070	8.3274	0.6	A
9045	33390.93	45 27N	28 2E	80.5	189.3	2.390	19.60	64.7	S0312	.03070	9.0372	0.4	F
9046	33394.73	45 27N	28 2E	79.8	189.3	2.390	19.95	64.7	S0312	.03070	9.2105	0.4	V
9047	33396.33	45 16N	27 58E	79.6	189.3	2.390	19.60	64.8	S0312	.03070	9.2270	0.6	V
9048	33399.33	45 16N	27 58E	80.8	189.2	2.390	19.95	64.8	S0312	.03070	8.9629	0.6	A
9049	33421.33	43 43N	26 4E	80.3	189.0	2.390	-25.55	65.4	S0312	.02200	9.1445	0.8	V
9050	33424.33	43 43N	26 4E	81.0	189.0	2.390	-25.20	65.4	S0312	.01650	8.9794	0.8	A
9051	33427.93	43 16N	26 1E	79.1	188.9	2.390	-23.45	65.7	S0312	.03070	9.2765	0.6	V
9052	33430.73	43 16N	26 1E	79.9	188.9	2.390	-23.10	65.7	S0312	.03070	9.1032	0.6	A
9053	33438.53	42 31N	26 0E	76.5	188.8	2.530	-17.85	66.3	S0312	.03070	9.5902	0.6	V
9054	33441.33	42 31N	26 0E	77.3	188.8	2.530	-17.50	66.3	S0312	.03070	9.3921	0.6	A
9055	33447.13	41 58N	25 33E	81.3	188.7	2.390	-26.95	66.6	S0312	.03070	9.0290	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1312 9056	33450.13	41 58N	25 33E	82.0	188.7	2.390	-26.60	66.6	S0312	.03070	8.8721	0.6	A
9057	33453.33	41 32N	25 25E	81.7	188.7	2.390	-27.65	66.8	S0312	.03070	8.9794	0.6	V
9058	33456.33	41 32N	25 25E	82.5	188.7	2.390	-27.30	66.8	S0312	.03070	8.8226	0.6	A
9059	33586.93	32 6N	23 59E	76.1	187.7	3.092	-1.75	72.2	S0312	.04070	9.5406	0.6	F
9060	33592.33	32 6N	23 60E	76.3	187.7	3.092	-0.70	72.2	S0312	.04070	9.4994	0.8	A
9061	33743.53	21 42N	21 50E	78.8	187.0	3.232	-2.10	72.7	S0312	.03070	9.1775	0.6	A
9062	33776.93	19 4N	20 30E	92.7	186.9	2.881	-33.25	71.1	S0312	.02200	7.7580	0.4	F
9063	33783.53	19 5N	20 30E	92.5	186.9	3.092	-32.90	71.1	S0312	.02200	7.8488	0.4	A
9064	34190.53	9 10S	16 11E	94.2	186.6	3.587	-8.05	51.2	S0312	.03070	7.7002	0.6	V
9065	34194.13	9 10S	16 10E	95.5	186.6	3.587	-7.70	51.2	S0312	.03070	7.4939	0.6	A
9066	34383.53	22 26S	15 2E	123.5	187.0	2.390	29.40	39.6	S0312	.03070	5.8350	0.8	V
9067	34388.33	22 26S	15 3E	126.2	187.1	2.181	30.10	39.6	S0312	.03070	5.6122	0.6	A
1313 9001	38626.73	50 44N	7 9E	75.3	190.3	2.181	6.30	60.3	S0312	.03070	9.6397	0.6	A
9002	38639.33	49 38N	7 11E	77.9	190.1	2.181	17.15	61.3	S0312	.03070	9.4334	0.6	V
9003	38642.13	49 39N	7 11E	79.0	190.0	2.181	17.50	61.3	S0312	.03070	9.1775	0.6	A
9004	38668.73	47 37N	4 53E	84.2	189.7	2.037	-29.75	62.4	S0312	.03070	8.5915	1.0	F
9005	38674.73	47 37N	4 53E	83.5	189.6	2.181	-29.05	62.4	S0312	.03070	8.6988	1.0	A
9006	38717.93	44 11N	4 43E	74.7	189.1	2.530	-6.30	65.3	S0312	.03070	9.7057	0.8	F
9007	38723.33	44 10N	4 44E	74.7	189.1	2.530	-5.25	65.3	S0312	.03070	9.7222	0.8	A
9008	38828.33	36 36N	2 54E	75.3	188.1	2.881	-2.10	70.2	S0312	.03070	9.6479	1.0	F
9009	38833.73	36 36N	2 53E	75.4	188.1	2.881	-1.40	70.2	S0312	.03070	9.6232	1.0	A
9010	38842.93	35 34N	2 53E	76.2	188.0	2.881	6.65	70.9	S0312	.02200	9.5489	1.0	F
9011	38848.53	35 33N	2 53E	76.5	188.0	2.738	7.70	70.9	S0312	.02200	9.4604	0.8	A
1315 9001	49991.13	1 20S	48 28W	90.3	186.5	3.439	2.45	58.2	S0312	.04070	7.9808	2.0	F
9002	49998.13	1 22S	48 29W	91.0	186.5	3.439	3.50	58.2	S0312	.04070	7.8818	0.6	A
9003	50030.53	3 44S	49 43W	98.6	186.5	3.439	-26.60	55.6	S0312	.03070	7.3784	1.0	V
9004	50289.53	21 44S	52 8W	105.0	187.0	3.232	2.45	39.8	S0312	.03070	6.8172	1.4	F
9005	50297.93	22 8S	51 25W	117.7	187.0	2.530	25.20	39.8	S0312	.03070	6.1322	1.4	V
9006	50309.13	23 3S	52 29W	105.6	187.1	3.232	-0.35	38.6	S0312	.03070	6.7759	1.2	F
9007	50319.53	23 18S	51 8W	136.3	187.1	1.826	36.40	38.9	S0312	.02200	5.1831	0.8	A
9008	50344.73	25 21S	51 31W	134.5	187.2	2.037	35.35	37.0	S0312	.03070	5.3481	1.0	V
9009	50348.33	25 56S	51 38W	135.6	187.2	2.037	35.00	36.4	S0312	.03070	5.2821	1.6	F
9010	50362.73	26 11S	52 41W	112.5	187.3	2.881	12.25	35.8	S0312	.03070	6.2972	0.8	A
9011	50371.53	27 5S	52 39W	114.8	187.3	2.738	17.15	35.0	S0312	.03070	6.2725	1.4	V
9012	50396.33	28 41S	53 39W	109.3	187.4	3.092	-0.70	33.2	S0312	.03070	6.5861	1.0	V
9013	50425.13	30 19S	54 18W	113.0	187.6	3.232	-8.75	31.6	S0312	.03070	6.2725	0.6	A
9014	50473.73	34 8S	55 20W	117.0	187.8	3.092	-13.65	27.9	S0312	.03070	6.0744	0.6	F
9015	50482.93	34 42S	55 58W	124.6	187.9	2.881	-24.50	27.1	S0312	.03070	5.6782	2.8	F
9016	50489.53	34 50S	56 11W	126.9	187.9	3.092	-28.00	27.0	S0312	.03070	5.6535	1.4	V
9017	50495.13	34 53S	56 11W	128.2	188.0	3.092	-27.30	26.9	S0312	.03070	5.5379	0.6	A
9018	50530.53	37 12S	57 1W	135.4	188.2	3.092	-31.50	24.6	S0312	.03070	5.2326	1.0	A
1316 9001	55309.53	2 14S	71 4W	90.9	186.5	3.587	-10.15	57.2	S0312	.03070	7.9148	0.8	F
9002	55320.93	2 38S	70 8W	104.9	186.5	2.530	26.95	57.5	S0312	.02200	6.8006	1.0	A
9003	55342.93	4 9S	69 55W	122.9	186.5	2.037	38.85	56.5	S0312	.02200	5.7773	2.4	A
9004	55391.93	7 33S	72 45W	108.1	186.6	3.439	-33.60	52.2	S0312	.02200	6.7181	1.4	V
9005	55526.53	17 0S	71 59W	134.3	186.8	2.037	39.20	44.9	S0312	.02200	5.3729	1.0	V
1317 9001	60134.53	30 40N	86 16W	82.8	187.6	2.738	19.95	73.1	S0312	.03070	8.7896	1.0	F
9002	60140.53	30 40N	86 15W	83.5	187.6	2.530	21.00	73.1	S0312	.03070	8.6493	1.0	A
9003	60276.93	21 0N	89 37W	90.5	187.0	2.881	-31.85	71.8	S0312	.02200	7.9561	0.8	F
9004	60280.13	21 0N	89 36W	89.1	187.0	3.092	-31.50	71.8	S0312	.03070	8.2119	0.8	V
9005	60329.93	17 13N	89 1W	85.8	186.8	3.092	17.15	71.5	S0312	.03070	8.4678	0.6	F
9006	60332.93	17 14N	89 2W	84.9	186.8	3.092	17.15	71.5	S0312	.03070	8.6163	0.6	V
9007	60343.13	16 21N	89 25W	82.2	186.8	3.232	8.40	70.9	S0312	.03070	8.8309	0.8	F
9008	60345.93	16 21N	89 25W	81.4	186.8	3.232	8.75	70.9	S0312	.03070	8.9877	0.8	V
1318 9001	65373.73	35 11N	107 53W	74.5	188.0	2.881	0.35	70.9	S0312	.02200	9.7552	0.6	F
9002	65379.13	35 11N	107 53W	74.7	187.9	2.881	1.40	71.0	S0312	.02200	9.7140	0.6	A
1321 9001	82485.92	45 10S	169 24E	126.8	189.3	2.530	-5.95	17.4	S0312	.04070	5.5462	1.4	A
1323 9001	5163.72	59 39N	151 3E	88.6	192.9	1.484	30.10	52.6	S0312	.02200	8.1954	0.4	A
9002	5500.92	36 30N	140 37E	93.0	188.1	2.181	-37.80	69.5	S0312	.02200	7.7497	1.0	F
9003	5504.12	36 30N	140 37E	91.7	188.1	2.390	-37.80	69.5	S0312	.02200	8.0056	1.0	V
9004	5507.12	36 18N	140 33E	92.1	188.1	2.390	-38.15	69.6	S0312	.02200	7.9643	0.8	V
9005	5510.52	36 18N	140 33E	92.9	188.0	2.390	-37.80	69.6	S0312	.02200	7.8488	0.8	A
9006	6210.92	12 15S	133 21E	107.7	186.7	2.738	23.10	48.9	S0312	.03070	6.7181	1.2	V
9007	6214.92	12 14S	133 21E	109.6	186.7	2.738	23.45	48.9	S0312	.03070	6.4788	1.2	A
1324 9001	10435.52	61 60N	129 39E	79.3	194.0	1.690	17.85	50.4	S0312	.03070	9.2600	0.6	V
9002	10438.32	62 0N	129 40E	80.4	193.9	1.690	18.20	50.4	S0312	.03070	9.0207	0.6	A
9003	10645.92	47 37N	122 58E	75.5	189.7	2.530	7.70	62.8	S0312	.03070	9.6314	0.6	F
9004	10648.52	47 37N	122 58E	74.7	189.7	2.530	8.05	62.8	S0312	.03070	9.8377	0.6	V
9005	10650.52	47 29N	122 55E	74.8	189.6	2.530	8.05	62.9	S0312	.03070	9.8295	0.4	V
9006	10653.32	47 29N	122 55E	75.8	189.6	2.530	8.40	62.9	S0312	.03070	9.5737	0.4	A
9007	10669.12	46 2N	122 28E	75.5	189.4	2.530	7.70	64.0	S0312	.03070	9.6314	0.4	F
9008	10671.72	46 2N	122 28E	74.8	189.4	2.530	8.05	64.0	S0312	.03070	9.8295	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1324 9009	10679.32	45 40N	122 50E	82.3	189.3	2.181	22.75	64.5	SO312	.03070	8.8061	0.4	A
9010	10735.32	41 37N	121 48E	84.1	188.7	2.390	25.40	67.5	SO312	.02200	8.7401	0.4	V
9011	10739.92	41 19N	121 35E	81.5	188.7	2.390	22.40	67.7	SO312	.02200	9.0124	0.8	V
9012	10746.32	40 45N	120 60E	76.2	188.6	2.738	8.40	67.8	SO312	.04070	9.5406	0.8	F
9013	10751.72	40 45N	120 60E	76.5	188.6	2.738	9.10	67.8	SO312	.04070	9.4746	0.8	A
9014	10761.52	40 0N	119 44E	81.4	188.5	2.530	-26.95	67.8	SO312	.02200	9.0372	0.8	V
9015	10764.52	40 0N	119 44E	82.0	188.5	2.738	-26.60	67.8	SO312	.02200	8.8721	0.8	A
9016	10782.12	38 25N	120 55E	84.1	188.3	2.390	25.55	69.6	SO312	.03070	8.7318	0.4	V
9017	10787.12	37 51N	120 56E	88.5	188.3	2.530	29.05	70.0	SO312	.03070	8.2532	0.6	F
9018	10793.52	37 50N	120 56E	89.3	188.2	2.181	30.10	70.0	SO312	.02200	8.1046	0.6	A
9019	10799.12	37 2N	120 41E	87.7	188.2	2.390	28.35	70.5	SO312	.02200	8.3109	0.6	F
9020	10802.92	36 59N	120 36E	85.2	188.2	2.390	26.60	70.5	SO312	.02200	8.6163	0.6	V
9021	10806.32	36 58N	120 38E	87.5	188.1	2.390	28.00	70.5	SO312	.03070	8.2532	0.4	A
9022	10810.12	36 18N	120 22E	84.6	188.1	2.738	24.15	70.8	SO312	.02200	8.6081	0.8	F
9023	10816.32	36 5N	120 18E	83.8	188.1	2.530	24.50	70.9	SO312	.03070	8.7731	0.6	V
9024	10819.32	36 5N	120 18E	85.2	188.0	2.530	24.85	70.9	SO312	.03070	8.5008	0.6	A
9025	10825.72	35 40N	119 55E	79.4	188.0	2.738	15.40	71.0	SO312	.03070	9.1115	0.4	A
9026	10833.52	34 47N	119 22E	75.7	187.9	2.881	2.45	71.1	SO312	.03070	9.5984	0.4	F
9027	10836.12	34 47N	119 22E	74.9	187.9	2.861	2.80	71.2	SO312	.03070	9.8047	0.4	V
9028	10843.32	34 27N	119 44E	81.5	187.9	2.738	18.90	71.6	SO312	.03070	8.8721	0.4	A
9029	10855.92	33 38N	119 1E	75.9	187.8	3.092	0.00	71.6	SO312	.03070	9.5489	0.4	A
9030	10872.52	32 6N	118 50E	76.7	187.7	3.092	4.90	72.3	SO312	.03070	9.4746	1.0	F
9031	10874.12	31 59N	118 48E	76.7	187.7	3.092	4.90	72.3	SO312	.03070	9.4664	0.4	F
9032	10877.92	32 6N	118 50E	77.1	187.7	2.881	6.30	72.3	SO312	.03070	9.4803	1.2	A
9033	10879.72	31 59N	118 49E	77.1	187.7	2.881	6.30	72.3	SO312	.03070	9.3921	0.4	A
9034	10886.32	31 22N	118 21E	75.4	187.6	3.092	-6.65	72.3	SO312	.04070	9.7305	0.4	V
9035	10889.12	31 22N	118 21E	76.3	187.6	3.092	-6.30	72.3	SO312	.04070	9.4994	0.4	A
9036	10936.52	27 45N	117 23E	78.5	187.4	3.092	-15.05	72.8	SO312	.03070	9.2270	0.4	F
9037	10948.32	26 47N	118 15E	87.3	187.3	2.738	24.85	73.8	SO312	.03070	8.3440	0.4	F
9038	10954.52	26 25N	117 49E	80.9	187.3	3.092	11.90	73.5	SO312	.03070	9.0867	0.6	F
9039	10960.32	26 25N	117 49E	80.7	187.3	2.881	13.30	73.6	SO312	.03070	8.9629	0.6	A
9040	10980.12	25 5N	117 12E	77.1	187.2	3.232	-8.70	73.7	SO312	.03070	9.3921	0.4	A
9041	10986.72	24 11N	117 33E	84.0	187.2	2.881	18.90	73.6	SO312	.03070	8.6493	0.6	F
9042	10989.52	23 59N	117 30E	83.7	187.1	2.881	18.90	73.6	SO312	.03070	8.6988	0.6	F
9043	10998.52	23 28N	116 36E	79.2	187.1	3.232	-12.60	72.8	SO312	.03070	9.1362	0.6	F
9044	11005.72	23 13N	116 6E	85.7	187.1	3.092	-28.35	72.4	SO312	.03070	8.5420	0.6	V
9045	11008.92	23 13N	116 6E	86.6	187.1	3.092	-28.00	72.4	SO312	.03070	8.3852	0.6	A
9046	11176.12	11 9N	115 2E	87.9	186.6	3.232	15.75	68.0	SO312	.03070	8.2614	0.8	F
9047	11179.12	11 9N	115 2E	87.2	186.6	3.232	16.10	68.1	SO312	.03070	8.3852	1.0	V
9048	11295.72	3 12N	113 3E	86.5	186.5	3.587	-6.65	61.8	SO312	.03070	8.4265	0.6	V
9049	11298.92	3 12N	113 4E	87.6	186.5	3.587	-5.95	61.8	SO312	.03070	8.2119	0.6	A
9050	11438.52	6 46S	110 52E	99.1	186.6	3.439	-22.40	53.1	SO312	.03070	7.2381	0.6	F
9051	11442.12	6 47S	110 52E	98.0	186.6	3.439	-22.05	53.1	SO312	.03070	7.4114	0.6	V
9052	11448.72	7 27S	110 14E	113.4	186.6	3.232	-36.75	52.2	SO312	.02200	6.2972	0.6	F
9053	11452.72	7 27S	110 14E	111.9	186.6	3.232	-36.40	52.2	SO312	.02200	6.4788	0.8	V
9054	11457.32	7 47S	110 22E	105.9	186.6	3.439	-31.15	52.0	SO312	.03070	6.8584	0.6	V
9055	11461.32	7 47S	110 22E	107.1	186.6	3.439	-30.80	52.1	SO312	.02200	6.7181	0.6	A
1325 5001	16251.72	27 0N	96 53E	109.2	187.3	2.181	43.05	74.4	SO130	.01660	6.7022	1.0	F
5002	16257.12	26 56N	96 37E	99.5	187.3	2.181	37.80	74.2	SO130	.01660	7.3955	0.8	V
5003	16261.52	26 53N	96 49E	109.5	187.3	1.826	43.05	74.4	SO130	.01660	6.6031	1.0	A
5004	16268.92	26 23N	96 24E	98.5	187.3	2.037	36.05	74.2	SO130	.01660	7.3295	1.0	A
5005	16273.32	26 4N	96 29E	103.4	187.2	2.037	39.20	74.3	SO130	.01660	6.9746	0.8	A
5006	16277.72	25 29N	96 32E	108.6	187.2	2.037	42.70	74.5	SO130	.01660	6.7517	0.8	V
5007	16282.12	25 11N	96 33E	111.7	187.2	2.037	44.10	74.5	SO130	.01660	6.5619	1.0	V
9001	15864.92	53 47N	102 15E	75.9	191.1	2.037	-12.95	57.5	SO312	.03070	9.5489	0.4	F
9002	15875.32	52 55N	103 16E	81.8	190.9	2.181	22.05	58.5	SO312	.02200	8.9134	1.0	F
9003	15878.32	52 54N	103 16E	81.0	190.8	2.181	22.40	58.5	SO312	.02200	9.0867	0.8	V
9004	15881.32	52 54N	103 16E	82.2	190.8	2.181	22.75	58.5	SO312	.02200	8.8226	0.8	A
9005	16066.72	40 15N	97 22E	87.5	188.5	2.181	-35.00	67.5	SO312	.02200	8.3770	0.6	V
9006	16070.12	40 14N	97 22E	88.3	188.5	2.390	-35.00	67.5	SO312	.02200	8.2449	0.6	A
9007	16479.92	11 42N	92 44E	83.1	186.7	3.232	5.60	68.2	SO312	.04070	8.8061	0.8	V
9008	16483.12	11 42N	92 44E	84.3	186.6	3.232	5.95	68.2	SO312	.03070	8.5420	0.8	A
1326 5001	21202.52	52 3N	80 21E	76.6	190.6	2.181	11.20	59.2	SO130	.02210	9.4920	0.4	A
9001	20935.72	69 37N	90 21E	76.8	199.1	1.338	-2.10	43.1	SO312	.04070	9.4416	0.8	F
9002	20941.32	69 37N	90 21E	76.7	198.7	1.338	-1.75	43.1	SO312	.04070	9.4664	0.8	A
9003	20982.52	66 41N	85 58E	86.3	196.6	0.995	-28.70	45.8	SO312	.04070	8.3852	1.0	F
9004	20985.52	66 41N	85 57E	85.2	196.5	0.995	-28.70	45.8	SO312	.04070	8.6081	1.0	V
9005	21106.72	58 21N	82 54E	75.1	192.5	2.037	7.00	53.6	SO312	.03070	9.7882	0.6	V
9006	21109.52	58 21N	82 54E	76.0	192.4	2.037	7.35	53.6	SO312	.03070	9.5489	0.6	A
9007	21154.52	54 60N	82 27E	88.4	191.4	1.826	31.15	56.8	SO312	.03070	8.3274	0.6	V
9008	21157.92	54 59N	82 27E	89.8	191.3	1.826	31.50	56.8	SO312	.03070	8.0799	0.4	A
9009	21195.92	52 31N	80 12E	74.7	190.7	2.181	2.10	58.7	SO312	.03070	9.7140	0.4	A
9010	21219.32	50 39N	78 36E	80.2	190.3	2.037	-23.80	60.0	SO312	.03070	9.0290	0.4	F
9011	21222.12	50 39N	78 37E	79.1	190.3	2.037	-23.45	60.0	SO312	.03070	9.2848	0.4	V
9012	21225.72	50 13N	78 22E	81.7	190.2	2.037	-26.25	60.3	SO312	.03070	8.8639	0.8	F
9013	21228.52	50 13N	78 22E	80.5	190.2	2.037	-25.90	60.3	SO312	.03070	9.1197	0.8	V
9014	21234.72	49 49N	78 1E	84.4	190.1	2.037	-31.50	60.6	SO312	.03070	8.6988	0.8	V
9015	21237.92	49 49N	78 0E	85.1	190.0	2.037	-31.15	60.6	SO312	.03070	8.5503	0.8	A
9016	21297.32	45 8N	78 29E	82.2	189.3	2.390	22.75	64.9	SO312	.02200	8.8639	0.6	F
9017	21300.32	45 8N	78 29E	81.5	189.2	2.390	23.10	64.9	SO312	.02200	9.0207	0.4	V
9018	21308.72	44 24N	77 58E	77.5	189.1	2.530	14.35	65.3	SO312	.03070	9.4003	0.8	F
9019	21311.52	44 24N	77 58E	76.8	189.1	2.530	14.70	65.3	SO312	.03070	9.5819	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1326 9020	21319.72	43 56N	77 1E	74.4	189.0	2.530	-11.55	65.4	SO312	.03070	9.8708	0.6	V
9021	21322.52	43 55N	77 1E	75.2	189.0	2.530	-11.20	65.4	SO312	.02200	9.6562	0.6	A
9022	21325.52	43 32N	76 55E	74.4	189.0	2.530	-11.55	65.6	SO312	.03070	9.8708	0.6	V
9023	21328.32	43 32N	76 54E	75.2	188.9	2.530	-11.20	65.6	SO312	.02200	9.6562	0.6	A
9024	21333.12	43 14N	76 36E	77.2	188.9	2.530	-10.20	65.8	SO312	.03070	9.4334	0.6	A
9025	21340.12	42 35N	76 5E	80.8	188.8	2.390	-29.40	66.0	SO312	.03070	9.0867	0.4	V
9026	21343.12	42 35N	76 5E	81.5	188.8	2.390	-29.05	66.0	SO312	.03070	8.9299	0.4	A
9027	21382.12	39 26N	76 12E	74.4	188.4	2.738	0.70	68.6	SO312	.03070	9.7635	1.0	F
9028	21387.52	39 26N	76 12E	74.6	188.4	2.738	1.40	68.6	SO312	.03070	9.7305	0.8	A
9029	21465.32	33 47N	74 6E	81.2	187.8	2.738	-26.60	71.0	SO312	.02200	8.9134	0.6	F
9030	21468.12	33 47N	74 6E	80.1	187.8	2.738	-26.25	71.0	SO312	.02200	9.1693	0.6	V
9031	21480.72	32 35N	75 8E	82.2	187.7	2.738	19.95	72.4	SO312	.02200	8.8639	0.8	F
9032	21483.52	32 35N	75 8E	81.5	187.7	2.738	20.30	72.4	SO312	.02200	9.0124	1.0	V
9033	21486.72	32 34N	75 7E	82.6	187.7	2.530	20.65	72.4	SO312	.02200	8.7649	0.4	A
9034	21499.52	31 33N	74 23E	75.5	187.6	2.881	1.75	72.4	SO312	.02200	9.7222	0.6	V
9035	21502.32	31 33N	74 23E	76.5	187.6	3.092	2.10	72.4	SO312	.02200	9.4664	0.6	A
9036	21628.32	22 24N	73 10E	89.4	187.1	2.881	25.20	73.5	SO312	.02200	8.1541	0.8	F
9037	21634.72	22 24N	73 10E	90.3	187.0	2.530	26.25	73.5	SO312	.02200	7.9808	0.8	A
1327 9001	26338.92	63 13N	63 27E	76.1	194.6	1.690	5.25	49.2	SO312	.04070	9.5324	0.8	F
9002	26344.32	63 13N	63 27E	76.2	194.4	1.690	5.60	49.2	SO312	.04070	9.5324	1.0	A
9003	26408.52	58 40N	59 39E	80.2	192.6	1.690	-22.40	53.1	SO312	.03070	9.0290	1.0	F
9004	26411.52	58 39N	59 39E	79.1	192.5	1.690	-22.05	53.2	SO312	.03070	9.2848	0.8	V
9005	26417.92	57 57N	60 7E	74.9	192.4	2.037	-4.55	53.9	SO312	.04070	9.6892	1.6	F
9006	26423.32	57 57N	60 7E	74.8	192.2	2.037	-4.20	53.9	SO312	.04070	9.7057	1.6	A
9007	26431.72	56 54N	60 39E	80.4	192.0	2.037	19.25	55.0	SO312	.03070	9.0537	0.8	F
9008	26433.12	56 48N	60 36E	80.3	192.0	2.037	19.25	55.1	SO312	.03070	9.0537	0.6	F
9009	26437.52	56 54N	60 39E	80.8	191.9	1.826	20.30	55.0	SO312	.03070	8.9794	0.8	A
9010	26438.92	56 48N	60 37E	80.8	191.9	1.826	20.30	55.1	SO312	.03070	8.9794	0.6	A
9011	26445.72	56 5N	60 45E	86.7	191.7	1.826	29.40	55.8	SO312	.03070	8.4925	0.8	V
9012	26448.92	56 5N	60 44E	87.7	191.7	1.826	29.40	55.8	SO312	.03070	8.2697	0.8	A
9013	26457.12	55 8N	60 9E	84.7	191.5	2.037	25.90	56.6	SO312	.03070	8.5915	0.6	F
9014	26460.12	55 8N	60 9E	83.8	191.4	1.826	26.25	56.6	SO312	.03070	8.7614	1.0	V
9015	26463.92	55 5N	60 7E	84.8	191.4	1.826	26.25	56.7	SO312	.03070	8.5585	0.4	A
9016	26488.72	53 26N	59 6E	80.2	190.9	2.037	19.25	58.1	SO312	.03070	9.0372	0.8	A
9017	26520.52	51 27N	56 42E	80.9	190.4	2.181	-25.20	59.3	SO312	.03070	8.9959	0.4	A
9018	26550.92	48 43N	57 60E	92.0	189.9	2.181	33.25	62.2	SO312	.03070	7.9148	1.0	F
9019	26554.12	48 43N	58 0E	91.3	189.9	2.181	33.60	62.2	SO312	.03070	8.0386	1.0	V
9020	26559.52	48 11N	57 30E	85.3	189.8	2.181	26.60	62.5	SO312	.03070	8.5338	0.6	F
9021	26565.52	48 11N	57 31E	86.1	189.8	2.037	27.65	62.5	SO312	.03070	8.4100	0.8	A
9022	26624.32	43 56N	54 48E	76.5	189.1	2.530	-15.40	65.3	SO312	.03070	9.4746	0.6	F
9023	26626.92	43 56N	54 48E	75.5	189.0	2.530	-15.05	65.3	SO312	.03070	9.7222	1.4	V
9024	26630.52	43 53N	54 47E	76.3	189.0	2.530	-14.70	65.3	SO312	.03070	9.5159	0.6	A
9025	26690.92	39 28N	54 27E	77.2	188.4	2.530	13.30	68.7	SO312	.03070	9.5241	0.6	V
9026	26693.72	39 28N	54 27E	78.2	188.4	2.530	13.65	68.7	SO312	.03070	9.2600	0.6	A
9027	26883.32	26 8N	50 36E	81.1	187.3	3.092	-19.95	72.8	SO312	.03070	8.9134	1.0	F
9028	26889.12	26 9N	50 35E	80.9	187.2	3.232	-19.25	72.8	SO312	.03070	8.9547	1.0	A
1328 5001	31787.12	54 1N	35 10E	85.3	191.1	1.826	-31.85	57.1	SO130	.02210	8.5923	0.4	V
5002	31790.32	54 1N	35 11E	86.0	191.0	1.826	-31.50	57.1	SO130	.02210	8.4603	0.4	A
5003	31804.52	52 38N	36 29E	76.7	190.8	2.181	14.00	58.7	SO130	.02210	9.5911	0.4	V
5004	31813.52	51 53N	37 26E	99.7	190.6	1.690	40.25	59.6	SO130	.01660	7.3708	3.6	V
5005	31820.32	51 40N	37 19E	100.4	190.5	1.690	39.90	59.8	SO130	.01660	7.2139	3.4	A
5006	31838.12	50 3N	36 17E	89.8	190.2	2.181	31.50	61.1	SO130	.02210	8.1219	0.6	F
5007	31841.32	50 3N	36 17E	89.2	190.2	2.181	31.85	61.1	SO130	.02210	8.2539	0.6	V
5008	31850.52	49 34N	34 53E	73.6	190.0	2.390	0.00	61.1	SO130	.02210	9.9790	0.6	V
5009	31853.32	49 33N	34 52E	74.6	190.0	2.390	0.35	61.1	SO130	.02210	9.7562	0.6	A
5010	31857.92	48 52N	34 43E	74.6	189.9	2.390	1.75	61.7	SO130	.02210	9.7479	0.4	F
5011	31876.32	47 54N	35 19E	86.4	189.7	2.037	28.00	62.8	SO130	.02210	8.3943	0.8	A
5012	31884.92	47 11N	34 22E	74.8	189.6	2.390	7.70	63.1	SO130	.02210	9.8222	4.8	V
5013	31892.92	46 49N	34 21E	76.8	189.5	2.390	11.20	63.4	SO130	.01660	9.4590	4.8	A
9001	31589.72	67 5N	44 18E	76.0	196.9	1.484	6.65	45.5	SO312	.04070	9.6644	0.4	V
9002	31592.52	67 5N	44 18E	76.9	196.8	1.484	7.00	45.5	SO312	.04070	9.4334	0.4	A
9003	31647.52	63 2N	41 36E	77.9	194.6	1.826	12.25	49.4	SO312	.04070	9.3343	1.2	F
9004	31653.12	63 2N	41 35E	77.9	194.4	1.826	12.60	49.4	SO312	.04070	9.3096	1.2	A
9005	31706.92	59 8N	38 38E	74.9	192.8	1.826	-3.15	52.9	SO312	.04070	9.6809	1.0	F
9006	31712.32	59 8N	38 38E	74.9	192.7	1.826	-2.45	52.9	SO312	.04070	9.6974	0.8	A
9007	31721.32	58 5N	38 49E	77.6	192.4	2.037	12.95	53.9	SO312	.04070	9.3673	0.6	F
9008	31726.72	58 5N	38 50E	77.9	192.3	1.826	14.00	53.9	SO312	.04070	9.3178	0.8	A
9009	31756.92	55 36N	38 9E	83.2	191.6	2.037	23.80	56.2	SO312	.03070	8.7484	1.2	F
9010	31762.92	55 36N	38 10E	83.8	191.5	1.826	24.85	56.2	SO312	.03070	8.6576	1.0	A
9011	31768.12	55 5N	37 40E	79.0	191.4	2.037	18.55	56.6	SO312	.03070	9.3096	0.4	V
9012	31777.12	54 26N	36 4E	76.8	191.2	2.037	-15.75	56.9	SO312	.03070	9.4416	1.2	F
9013	31780.52	54 23N	36 3E	75.7	191.2	2.037	-15.40	56.9	SO312	.03070	9.6974	1.2	V
9014	31787.12	54 1N	35 10E	85.3	191.1	1.826	-31.85	57.1	SO312	.03070	8.5915	0.4	V
9015	31790.12	54 1N	35 11E	86.0	191.0	1.826	-31.50	57.1	SO312	.03070	8.4595	1.4	A
9016	31831.72	50 35N	35 45E	77.8	190.3	2.390	14.35	60.4	SO312	.03070	9.3508	0.8	F
9017	31838.12	50 3N	36 17E	89.8	190.2	2.181	31.50	61.1	SO312	.03070	8.1211	0.6	F
9018	31841.32	50 2N	36 17E	89.2	190.2	2.181	31.85	61.1	SO312	.03070	8.2532	0.4	V
9019	31850.52	49 33N	34 52E	73.6	190.0	2.390	0.00	61.1	SO312	.03070	9.9780	0.6	V
9020	31862.92	48 28N	34 59E	77.4	189.9	2.390	13.30	62.1	SO312	.03070	9.4086	1.0	F
9021	31868.32	48 29N	34 59E	77.7	189.8	2.390	14.00	62.1	SO312	.03070	9.3343	1.4	A
9022	31904.52	45 36N	34 17E	80.3	189.4	2.390	19.25	64.5	SO312	.03070	9.0620	0.6	F
9023	31907.32	45 36N	34 17E	79.6	189.3	2.390	19.60	64.5	SO312	.03070	9.2270	0.6	V
9024	31912.72	45 4N	33 54E	77.4	189.3	2.530	12.95	64.8	SO312	.03070	9.4086	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1328	9025	31915.32	45 5N	33 54E	76.6	189.2	2.530	13.30	64.8	SO312	.03070	9.5984	0.6	V
	9026	31922.92	44 36N	33 24E	74.0	189.1	2.530	2.10	65.0	SO312	.03070	9.9285	0.6	V
	9027	31925.72	44 36N	33 24E	74.9	189.1	2.530	2.45	65.0	SO312	.03070	9.6892	0.4	A
	9028	32116.12	31 11N	29 52E	76.5	187.6	3.092	-7.00	72.3	SO312	.04070	9.4829	0.4	F
	9029	32118.72	31 12N	29 52E	75.7	187.6	3.092	-6.65	72.3	SO312	.04070	9.6974	0.4	V
	9030	32120.92	31 3N	29 50E	75.7	187.6	3.092	-6.65	72.4	SO312	.04070	9.6974	0.4	V
	9031	32123.72	31 3N	29 50E	76.6	187.6	3.092	-6.30	72.4	SO312	.04070	9.4581	0.4	A
	9032	33062.12	33 39S	18 26E	120.3	187.8	2.738	14.00	28.8	SO312	.03070	5.9258	0.4	F
	9033	33066.52	33 40S	18 27E	119.6	187.8	2.530	14.70	28.8	SO312	.03070	6.0084	0.4	V
	9034	33072.32	34 4S	18 26E	121.2	187.9	2.530	16.45	28.5	SO312	.04070	5.9258	0.6	V
	9035	33076.92	34 4S	18 26E	123.3	187.9	2.530	16.80	28.5	SO312	.04070	5.7195	0.6	A
1329	5001	37096.12	53 34N	13 17E	80.4	191.0	1.826	-23.80	57.6	SO130	.02210	8.9968	0.6	F
	5002	37099.12	53 34N	13 17E	79.4	191.0	2.037	-23.80	57.6	SO130	.02210	9.2444	0.4	V
	5003	37108.12	52 58N	12 56E	81.3	190.8	1.826	-26.60	58.0	SO130	.02210	9.0216	0.4	V
	5004	37111.12	52 58N	12 56E	82.1	190.7	2.037	-26.60	58.0	SO130	.02210	8.8647	0.4	A
	5005	37120.92	52 3N	12 60E	76.4	190.6	2.037	-17.50	58.9	SO130	.02210	9.6158	0.6	V
	5006	37123.72	52 3N	12 59E	77.3	190.5	2.037	-17.50	58.9	SO130	.02210	9.4095	0.6	A
	5007	37127.72	51 24N	12 45E	77.6	190.5	2.037	-18.55	59.4	SO130	.02210	9.3270	0.6	F
	5008	37130.52	51 24N	12 45E	76.6	190.4	2.037	-18.20	59.4	SO130	.02210	9.5828	0.4	V
	5009	37131.52	51 20N	12 43E	76.6	190.4	2.037	-18.20	59.5	SO130	.02210	9.5828	0.6	V
	5010	37134.32	51 20N	12 42E	77.6	190.4	2.037	-18.20	59.5	SO130	.02210	9.3765	0.6	A
	5011	37139.72	50 46N	12 30E	76.9	190.3	2.181	-19.25	59.9	SO130	.02210	9.5416	0.6	V
	5012	37142.52	50 47N	12 30E	77.7	190.2	2.181	-18.90	59.9	SO130	.02210	9.3517	0.6	A
	9001	37081.92	54 32N	13 39E	80.6	191.3	1.826	-23.80	56.7	SO312	.04070	8.9712	0.6	F
	9002	37087.72	54 32N	13 39E	80.3	191.2	2.037	-23.45	56.7	SO312	.04070	9.0620	0.6	A
	9003	37096.12	53 34N	13 17E	80.5	191.0	1.826	-23.80	57.6	SO312	.03070	8.9959	0.6	F
	9004	37098.92	53 34N	13 17E	79.4	191.0	2.037	-23.80	57.6	SO312	.03070	9.2435	0.8	V
	9005	37105.12	53 10N	13 0E	81.3	190.8	1.826	-26.60	57.9	SO312	.03070	9.0207	0.4	V
	9006	37108.12	52 57N	12 56E	81.3	190.8	1.826	-26.60	58.0	SO312	.03070	9.0207	0.4	V
	9007	37110.92	52 58N	12 56E	82.1	190.7	2.037	-26.60	58.0	SO312	.03070	8.8639	0.6	A
	9008	37118.12	52 3N	12 60E	77.4	190.6	2.037	-17.85	58.9	SO312	.03070	9.3591	0.6	F
	9009	37120.92	52 3N	12 60E	76.4	190.6	2.037	-17.50	58.9	SO312	.03070	9.6149	0.6	V
	9010	37123.72	52 3N	12 59E	77.3	190.5	2.037	-17.50	58.9	SO312	.03070	9.4086	0.4	A
	9011	37127.72	51 24N	12 44E	77.7	190.5	2.037	-18.55	59.4	SO312	.03070	9.3261	0.4	F
	9012	37130.52	51 23N	12 44E	76.7	190.4	2.037	-18.20	59.4	SO312	.03070	9.5819	0.4	V
	9013	37131.52	51 19N	12 43E	76.6	190.4	2.037	-18.20	59.5	SO312	.03070	9.5819	0.6	V
	9014	37134.32	51 20N	12 42E	77.5	190.4	2.037	-18.20	59.5	SO312	.03070	9.3756	0.6	A
	9015	37139.72	50 46N	12 30E	76.9	190.3	2.181	-19.25	59.9	SO312	.03070	9.5406	0.4	V
	9016	37142.52	50 46N	12 30E	77.7	190.2	2.181	-18.90	59.9	SO312	.03070	9.3508	0.4	A
	9017	37152.72	49 45N	13 23E	77.3	190.1	2.181	15.75	61.1	SO312	.03070	9.5159	0.6	V
	9018	37155.52	49 45N	13 23E	78.4	190.1	2.181	16.10	61.1	SO312	.03070	9.2600	0.6	A
	9019	37161.52	49 5N	13 45E	87.1	190.0	2.037	30.45	61.8	SO312	.03070	8.4347	0.4	V
	9020	37164.72	49 5N	13 45E	88.6	189.9	1.826	31.15	61.8	SO312	.03070	8.1789	0.4	A
	9021	37180.92	48 9N	11 37E	78.0	189.7	2.390	-20.30	62.0	SO312	.03070	9.3178	0.8	A
	9022	37211.72	45 30N	12 16E	82.4	189.3	2.390	22.40	64.6	SO312	.03070	8.8474	1.0	F
	9023	37217.92	45 28N	12 19E	84.0	189.3	2.181	24.85	64.6	SO312	.03070	8.5998	0.8	A
	9024	37330.12	37 31N	9 0E	76.6	188.2	2.738	-13.65	69.4	SO312	.04070	9.4581	0.8	F
	9025	37335.52	37 32N	9 1E	76.5	188.2	2.881	-12.95	69.5	SO312	.04070	9.4829	0.8	A
1331	9001	48734.92	16 37S	45 2W	101.2	186.8	3.439	0.35	44.6	SO312	.03070	7.0400	0.6	A
	9002	48765.92	18 46S	44 55W	109.1	186.9	2.881	16.80	42.9	SO312	.03070	6.5035	1.4	A
	9003	48783.52	20 24S	45 59W	103.6	186.9	3.439	-8.05	41.0	SO312	.03070	6.9079	1.4	F
	9004	48792.92	20 42S	46 45W	112.8	187.0	3.439	-27.65	40.4	SO312	.03070	6.4045	1.4	V
	9005	48800.72	20 55S	46 59W	119.0	187.0	3.439	-31.85	40.1	SO312	.03070	6.0084	1.4	A
	9006	48810.32	21 56S	46 31W	105.1	187.0	3.439	-14.35	39.5	SO312	.03070	6.8667	0.6	V
	9007	48814.32	21 57S	46 30W	106.4	187.0	3.439	-13.65	39.5	SO312	.03070	6.6934	0.6	A
	9008	48825.52	23 5S	45 42W	111.0	187.1	2.738	16.45	38.9	SO312	.03070	6.4953	0.6	V
	9009	48833.92	23 33S	46 44W	105.9	187.1	3.439	-11.55	38.0	SO312	.03070	6.8089	0.6	V
	9010	48837.92	23 33S	46 44W	107.3	187.1	3.439	-10.85	38.0	SO312	.03070	6.6356	0.6	A
	9011	48865.32	25 30S	48 31W	140.2	187.2	3.092	-42.70	35.6	SO312	.02200	5.1335	1.0	V
	9012	48884.72	26 50S	48 39W	135.4	187.3	3.092	-39.55	34.4	SO312	.03070	5.3151	1.4	V
	9013	48890.32	27 34S	48 33W	130.1	187.3	2.881	-35.00	33.8	SO312	.04070	5.4472	0.8	F
	9014	48900.52	27 37S	48 32W	128.5	187.4	3.232	-33.60	33.8	SO312	.03070	5.5379	1.6	A
	9015	48905.12	28 15S	48 41W	128.2	187.4	3.232	-34.30	33.2	SO312	.03070	5.6040	1.0	V
1332	9001	53646.92	9 48N	63 8W	90.9	186.6	3.232	-25.90	66.3	SO312	.03070	7.9148	1.4	F
	9002	53666.72	8 23N	62 43W	84.4	186.6	3.439	-0.35	65.8	SO312	.03070	8.5585	1.8	F
	9003	53676.92	8 4N	62 19W	91.1	186.6	2.881	18.55	66.0	SO312	.03070	7.8735	1.2	A
	9004	53808.12	0 57S	62 55W	130.2	186.5	1.690	43.75	59.4	SO312	.02200	5.4637	1.0	A
	9005	53984.12	13 24S	66 29W	98.4	186.7	3.439	1.40	47.6	SO312	.03070	7.2958	1.4	F
	9006	53989.72	13 49S	66 18W	101.1	186.7	3.232	10.15	47.3	SO312	.03070	7.1060	1.6	F
	9007	53995.52	13 43S	66 7W	105.1	186.7	2.881	16.80	47.5	SO312	.03070	6.7676	1.4	A
	9008	54003.32	14 16S	65 27W	128.0	186.7	2.181	36.40	47.4	SO312	.02200	5.5379	1.4	A
	9009	54008.32	14 56S	65 37W	124.2	186.7	2.181	35.00	46.8	SO312	.02200	5.8268	1.2	V
	9010	54022.32	15 26S	67 25W	102.5	186.8	3.439	-16.10	45.5	SO312	.03070	6.9657	1.6	A
	9011	54037.52	16 36S	65 45W	133.8	186.8	1.826	38.50	45.3	SO312	.02200	5.2986	0.6	A
	9012	54274.72	33 0S	71 37W	127.1	187.7	2.881	-28.70	28.8	SO312	.04070	5.5709	1.0	F
	9013	54283.72	33 26S	70 32W	113.1	187.8	2.881	-0.35	28.8	SO312	.03070	6.3467	0.4	V
	9014	54287.92	33 26S	70 31W	114.8	187.8	2.881	0.35	28.8	SO312	.03070	6.1569	0.4	A
	9015	54311.32	35 27S	69 33W	136.8	188.0	1.826	31.15	27.4	SO312	.02200	5.2408	0.6	V
	9016	54316.52	35 27S	69 34W	138.9	188.0	1.826	31.15	27.4	SO312	.01650	5.0675	0.6	A
	9017	54361.52	38 14S	72 39W	126.0	188.3	3.092	-22.05	23.9	SO312	.04070	5.6122	0.8	A
	9018	54368.72	38 44S	72 37W	124.0	188.4	3.092	-18.55	23.5	SO312	.04070	5.7030	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1332 9019	54372.92	39 21S	72 37W	121.1	188.4	2.881	-15.40	22.9	S0312	.04070	5.9176	1.0	V
9020	54380.12	39 51S	72 33W	119.8	188.5	2.881	-11.20	22.5	S0312	.04070	5.9753	0.6	V
9021	54385.32	40 12S	72 37W	119.9	188.5	2.881	-10.50	22.2	S0312	.04070	5.9671	0.6	V
9022	54388.12	40 23S	72 40W	120.0	188.6	2.881	-10.50	22.0	S0312	.04070	5.9588	0.6	V
9023	54396.72	41 7S	71 23W	129.2	188.6	2.181	20.30	21.8	S0312	.03070	5.5379	0.6	V
9024	54401.72	41 7S	71 23W	131.5	188.7	2.181	20.65	21.8	S0312	.03070	5.5399	0.4	A
9025	54407.72	41 28S	72 18W	122.5	188.7	2.390	4.20	21.2	S0312	.03070	5.7443	0.8	A
9026	54429.32	42 54S	72 41W	123.6	188.9	2.530	3.85	19.8	S0312	.04070	5.6865	1.0	A
1333 9001	58676.92	28 30N	80 34W	82.1	187.4	2.881	17.50	73.4	S0312	.02200	8.8721	1.4	F
9002	58682.92	28 30N	80 33W	82.8	187.4	2.738	18.55	73.5	S0312	.02200	8.7153	1.2	A
9003	58755.32	23 11N	82 15W	78.4	187.1	3.232	-6.30	72.9	S0312	.03070	9.2435	0.6	F
9004	58759.72	23 5N	82 26W	78.6	187.1	3.232	-12.60	72.7	S0312	.03070	9.3178	0.4	V
9005	58760.72	23 1N	82 27W	78.6	187.1	3.232	-12.60	72.7	S0312	.03070	9.3178	0.6	V
9006	58763.52	23 2N	82 27W	79.5	187.1	3.232	-12.25	72.7	S0312	.03070	9.1032	1.2	A
9007	58767.52	22 46N	82 33W	80.0	187.0	3.232	-14.00	72.6	S0312	.03070	9.0455	0.8	A
9008	58780.72	21 52N	82 46W	80.9	187.0	3.232	-15.75	72.4	S0312	.04070	8.9464	0.6	A
9009	58915.92	12 3N	83 45W	87.5	186.7	3.232	15.75	68.6	S0312	.03070	8.2944	1.4	F
9010	58922.52	12 2N	83 40W	90.4	186.7	2.881	20.30	68.7	S0312	.03070	7.9478	0.8	A
9011	58949.32	9 58N	84 5W	88.4	186.6	3.092	18.20	67.3	S0312	.03070	8.2614	0.4	V
9012	58952.72	9 57N	84 4W	90.1	186.6	2.881	19.25	67.3	S0312	.03070	7.9726	0.4	A
1334 9001	63883.52	35 12N	101 49W	75.0	188.0	2.881	-6.30	70.8	S0312	.02200	9.6727	0.6	F
9002	63888.92	35 11N	101 49W	75.1	187.9	2.881	-5.25	70.8	S0312	.02200	9.6644	0.6	A
1339 9001	3868.11	46 14N	150 34E	73.4	189.4	2.530	-2.10	63.7	S0312	.03070	10.0111	0.4	V
9002	3870.71	46 14N	150 34E	74.3	189.4	2.530	-1.75	63.7	S0312	.03070	9.7717	0.4	A
1340 5001	9232.31	42 19N	126 53E	76.8	188.8	2.530	-17.50	66.3	S0130	.02210	9.4177	0.4	F
5002	9237.71	42 19N	126 54E	76.6	188.8	2.530	-16.45	66.3	S0130	.02210	9.5003	0.4	A
5003	9257.31	40 46N	126 34E	75.4	188.6	2.738	-15.05	67.4	S0130	.02210	9.7397	0.4	V
5004	9259.91	40 47N	126 34E	76.2	188.6	2.738	-14.70	67.4	S0130	.02210	9.5416	0.6	A
5005	9270.71	39 17N	125 51E	81.5	188.4	2.530	-25.90	68.2	S0130	.02210	8.8565	0.6	F
5006	9279.51	39 17N	125 51E	80.4	188.4	2.530	-25.55	68.2	S0130	.02210	9.1206	0.6	V
5007	9292.91	38 18N	126 13E	73.8	188.3	2.738	-5.60	69.1	S0130	.02210	9.9625	0.4	V
5008	9295.51	38 19N	126 13E	74.7	188.3	2.738	-5.25	69.1	S0130	.02210	9.7231	0.4	A
9001	9103.11	51 12N	128 36E	92.9	190.4	1.690	-38.15	59.3	S0312	.02200	7.7828	0.6	F
9002	9106.51	51 12N	128 35E	91.8	190.4	1.690	-38.15	59.3	S0312	.02200	7.9973	0.4	V
9003	9111.51	50 36N	128 53E	83.1	190.3	2.037	-28.35	59.9	S0312	.03070	8.7153	0.6	F
9004	9119.51	50 11N	129 27E	74.0	190.2	2.390	-9.45	60.5	S0312	.03070	9.9368	0.6	V
9005	9122.31	50 10N	129 27E	74.8	190.1	2.390	-9.10	60.5	S0312	.03070	9.7222	0.6	A
9006	9131.91	49 26N	130 7E	79.0	190.0	2.181	17.50	61.3	S0312	.03070	9.1775	0.4	A
9007	9188.71	45 20N	127 12E	85.3	189.3	2.037	-31.15	64.0	S0312	.02200	8.4843	0.4	F
9008	9192.51	45 30N	127 9E	86.9	189.2	2.037	-32.90	63.8	S0312	.03070	8.3770	0.8	A
9009	9231.51	42 22N	126 54E	76.9	188.8	2.530	-17.50	66.3	S0312	.03070	9.4168	1.6	F
9010	9237.11	42 21N	126 54E	76.5	188.8	2.530	-16.45	66.3	S0312	.03070	9.4994	1.4	A
9011	9243.51	41 34N	126 15E	84.6	188.7	2.181	-30.45	66.6	S0312	.03070	8.5338	0.6	F
9012	9246.51	41 34N	126 14E	83.5	188.7	2.390	-30.45	66.6	S0312	.03070	8.7896	0.6	V
9013	9251.31	41 13N	126 23E	79.2	188.6	2.390	-23.80	67.0	S0312	.02200	9.2683	1.2	V
9014	9257.11	40 47N	126 34E	75.4	188.6	2.738	-15.05	67.4	S0312	.03070	9.7387	0.6	V
9015	9259.91	40 47N	126 34E	76.2	188.6	2.738	-14.70	67.4	S0312	.03070	9.5406	0.6	A
9016	9265.91	40 12N	126 11E	78.5	188.5	2.530	-22.40	67.6	S0312	.03070	9.3426	0.4	V
9017	9269.91	40 9N	126 1E	81.6	188.5	2.530	-26.60	67.6	S0312	.03070	8.9134	0.6	A
9018	9276.51	39 17N	125 51E	81.6	188.4	2.530	-25.90	68.1	S0312	.03070	8.8556	1.0	F
9019	9279.51	39 17N	125 51E	80.4	188.4	2.530	-25.55	68.2	S0312	.03070	9.1197	0.6	V
9020	9282.31	38 53N	125 47E	81.2	188.4	2.530	-25.20	68.4	S0312	.03070	8.8969	1.2	F
9021	9285.71	38 51N	125 46E	80.1	188.4	2.530	-24.85	68.4	S0312	.03070	9.1527	0.6	V
9022	9292.71	38 19N	126 13E	73.8	188.3	2.738	-5.60	69.1	S0312	.03070	9.9615	0.4	V
9023	9295.51	38 18N	126 13E	74.6	188.3	2.738	-5.25	69.1	S0312	.03070	9.7222	0.4	A
9024	9299.51	38 1N	126 18E	75.0	188.2	2.738	0.35	69.3	S0312	.03070	9.6727	0.4	A
9025	9300.51	37 57N	126 17E	75.1	188.2	2.738	0.35	69.4	S0312	.03070	9.6562	0.4	A
9026	9312.71	36 43N	126 11E	76.2	188.1	2.881	6.65	70.2	S0312	.03070	9.5489	1.0	F
9027	9318.11	36 43N	126 11E	76.5	188.1	2.881	7.70	70.2	S0312	.03070	9.4746	1.0	A
9028	9637.51	14 38N	120 58E	84.6	186.7	3.232	-20.65	69.4	S0312	.03070	8.6411	0.8	V
9029	9640.71	14 38N	120 58E	85.6	186.7	3.439	-20.65	69.4	S0312	.03070	8.4512	0.8	A
1341 5001	14422.71	50 25N	106 24E	88.8	190.2	1.690	-35.00	60.0	S0130	.02210	8.1466	0.4	F
5002	14429.11	50 25N	106 24E	88.2	190.1	2.037	-34.65	60.0	S0130	.02210	8.2704	0.4	A
5003	14457.31	47 56N	106 59E	73.8	189.8	2.390	1.40	62.4	S0130	.02210	9.8552	0.6	F
5004	14462.51	47 57N	106 59E	73.9	189.7	2.390	2.10	62.4	S0130	.02210	9.8387	0.6	A
5005	14525.51	43 35N	104 26E	87.6	189.0	2.037	-35.35	65.1	S0130	.01660	8.3777	0.6	V
5006	14528.71	43 35N	104 26E	88.3	188.9	2.037	-35.00	65.1	S0130	.01660	8.2539	0.6	A
5007	14853.31	20 49N	99 45E	88.3	187.0	3.092	-30.10	71.8	S0130	.02210	8.1714	0.8	F
5008	14856.71	20 48N	99 42E	88.1	187.0	3.092	-30.80	71.7	S0130	.02210	8.3117	0.8	V
5009	14861.91	20 26N	99 39E	87.9	186.9	3.092	-30.10	71.6	S0130	.02210	8.3282	1.0	V
5010	14889.31	18 53N	98 48E	107.5	186.9	2.881	-44.80	70.6	S0130	.01660	6.7435	1.0	A
9001	14400.11	51 54N	107 45E	76.0	190.6	2.181	-14.70	59.0	S0312	.03070	9.5324	0.8	F
9002	14402.91	51 53N	107 45E	75.0	190.5	2.181	-14.35	59.0	S0312	.03070	9.7882	0.8	V
9003	14407.51	51 45N	107 50E	74.9	190.5	2.181	-10.50	59.1	S0312	.03070	9.7057	0.8	A
9004	14422.71	50 25N	106 24E	88.8	190.2	1.690	-35.00	60.0	S0312	.03070	8.1459	0.4	F
9005	14425.71	50 25N	106 24E	87.4	190.2	1.690	-34.65	60.0	S0312	.03070	8.3935	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1341 9006	14457.31	47 56N	106 59E	73.8	189.8	2.390	1.40	62.4	SO312	.03070	9.8543	0.6	F
9007	14462.51	47 57N	106 59E	73.9	189.7	2.390	2.10	62.4	SO312	.03070	9.8377	0.6	A
9008	14522.31	43 35N	104 26E	89.0	189.0	2.037	-35.70	65.1	SO312	.02200	8.1211	0.6	F
9009	14779.51	26 11N	101 47E	78.0	187.2	3.092	8.75	73.4	SO312	.03070	9.2683	0.4	A
9010	14793.71	25 21N	100 30E	88.9	187.2	3.092	-32.90	72.4	SO312	.02200	8.1624	0.4	A
9011	14979.71	12 29N	98 38E	84.3	186.7	3.439	-14.00	68.3	SO312	.03070	8.5750	1.2	A
1342 5001	20336.31	8 34N	76 53E	96.1	186.6	2.881	25.20	66.5	SO130	.01660	7.5606	0.8	F
5002	20343.31	8 34N	76 52E	97.3	186.6	2.881	25.90	66.5	SO130	.01660	7.3873	0.6	A
9001	19704.11	52 35N	85 18E	83.1	190.6	2.037	-28.35	58.3	SO312	.03070	8.7484	1.0	A
9002	20204.11	17 41N	78 25E	88.8	186.8	2.881	22.40	71.9	SO312	.03070	8.2037	1.4	F
9003	20210.51	17 41N	78 25E	89.5	186.8	2.738	23.10	71.9	SO312	.02200	8.0386	1.4	A
9004	20271.51	13 1N	77 42E	94.5	186.7	2.881	26.60	69.5	SO312	.02200	7.7002	0.6	F
9005	20278.31	13 1N	77 42E	95.6	186.7	2.530	27.65	69.5	SO312	.02200	7.5187	0.6	A
9006	20315.71	10 6N	76 19E	83.9	186.6	3.587	-6.30	66.9	SO312	.03070	8.6246	0.4	F
9007	20318.71	10 6N	76 19E	83.0	186.6	3.587	-5.95	66.9	SO312	.03070	8.7979	0.4	V
9008	20320.31	9 59N	76 17E	83.1	186.6	3.587	-5.95	66.9	SO312	.04070	8.7896	0.8	V
9009	20323.51	9 59N	76 17E	84.2	186.6	3.587	-5.60	66.9	SO312	.04070	8.5585	0.6	A
9010	20336.31	8 33N	76 52E	96.2	186.6	2.881	25.20	66.5	SO312	.02200	7.5599	0.6	F
9011	20339.71	8 33N	76 52E	95.6	186.6	2.881	25.55	66.5	SO312	.02200	7.6507	0.6	V
1343 5001	25001.31	53 14N	63 33E	81.1	190.8	2.037	-25.20	57.7	SO130	.02210	8.9885	0.6	A
9001	24759.31	68 56N	75 52E	86.2	198.5	1.135	27.30	43.7	SO312	.04070	8.5420	0.6	V
9002	24762.51	68 56N	75 53E	87.4	198.3	1.135	27.65	43.7	SO312	.04070	8.3027	0.6	A
9003	24873.31	61 44N	67 5E	83.3	193.7	1.338	-28.00	50.3	SO312	.03070	8.8144	0.4	V
9004	24876.31	61 44N	67 5E	84.0	193.6	1.338	-27.65	50.3	SO312	.03070	8.6576	0.4	A
9005	24928.91	57 44N	65 42E	77.7	192.3	1.690	-17.50	53.9	SO312	.03070	9.3178	0.6	F
9006	24931.71	57 43N	65 42E	76.7	192.2	1.690	-17.15	53.9	SO312	.04070	9.5737	0.6	V
9007	24936.91	57 11N	65 30E	77.3	192.1	1.690	-16.45	54.4	SO312	.03070	9.3756	0.6	F
9008	24939.51	57 11N	65 31E	76.3	192.0	1.690	-16.10	54.4	SO312	.04070	9.6314	0.6	V
9009	24943.71	56 53N	65 34E	74.9	191.9	1.690	-11.55	54.7	SO312	.04070	9.8130	0.4	V
9010	24946.51	56 53N	65 34E	75.7	191.9	2.037	-11.55	54.7	SO312	.04070	9.6067	0.4	A
9011	24960.11	55 34N	65 17E	74.7	191.6	2.037	-5.25	55.4	SO312	.04070	9.7140	0.4	F
9012	24962.71	55 34N	65 17E	73.8	191.5	2.037	-4.90	55.9	SO312	.04070	9.9533	0.4	V
9013	24964.71	55 26N	65 14E	73.8	191.5	2.037	-4.90	56.0	SO312	.04070	9.9615	0.6	V
9014	24967.51	55 25N	65 14E	74.6	191.4	2.037	-4.55	56.0	SO312	.04070	9.7387	0.4	A
9015	25013.91	51 52N	64 14E	75.0	190.6	2.390	4.90	59.2	SO312	.03070	9.6892	1.2	F
9016	25019.31	51 52N	64 14E	75.1	190.5	2.181	5.95	59.2	SO312	.03070	9.6944	1.0	A
9017	25097.11	46 5N	63 3E	85.1	189.4	2.390	26.25	64.1	SO312	.03070	8.5668	0.8	F
9018	25100.51	46 3N	63 3E	84.5	189.4	2.181	26.95	64.1	SO312	.03070	8.7071	0.6	V
9019	25103.31	46 5N	63 4E	85.8	189.4	2.181	27.30	64.1	SO312	.03070	8.4430	1.0	A
1344 5001	30249.51	56 45N	43 14E	77.0	191.9	1.826	-16.10	54.8	SO130	.03080	9.4095	1.2	F
5002	30255.11	56 45N	43 13E	77.0	191.8	2.037	-16.10	54.8	SO130	.03080	9.4590	1.0	A
5003	30261.11	56 17N	43 35E	74.6	191.7	2.037	-2.10	55.3	SO130	.03080	9.7562	0.6	A
5004	30309.11	52 54N	43 37E	90.1	190.8	1.826	32.20	58.5	SO130	.01660	8.0558	6.8	A
5005	30334.91	50 50N	42 4E	77.5	190.4	2.390	14.00	60.1	SO130	.02210	9.3930	0.4	F
5006	30340.51	50 49N	42 11E	79.3	190.3	2.181	17.85	60.2	SO130	.02210	9.1701	0.6	A
9001	30224.71	58 27N	45 34E	79.7	192.5	1.826	19.95	53.5	SO312	.03070	9.2270	0.8	V
9002	30227.71	58 26N	45 33E	80.6	192.4	1.826	19.95	53.5	SO312	.03070	9.0042	0.6	A
9003	30249.51	56 45N	43 14E	77.0	191.9	1.826	-16.10	54.8	SO312	.04070	9.4086	1.0	F
9004	30254.91	56 46N	43 14E	76.9	191.8	2.037	-16.10	54.8	SO312	.04070	9.4581	1.2	A
9005	30261.11	56 17N	43 35E	74.6	191.7	2.037	-2.10	55.3	SO312	.04070	9.7552	0.6	A
9006	30270.11	55 37N	42 2E	85.3	191.5	1.826	-31.85	55.6	SO312	.03070	8.5915	0.6	V
9007	30273.11	55 37N	42 1E	86.3	191.4	1.826	-31.85	55.6	SO312	.03070	8.4182	1.8	A
9008	30363.71	48 59N	40 19E	77.5	190.0	2.181	-18.55	61.3	SO312	.03070	9.3426	0.6	F
9009	30366.31	48 60N	40 19E	76.5	189.9	2.181	-18.20	61.3	SO312	.03070	9.5984	0.6	V
9010	30372.71	48 22N	40 13E	76.5	189.8	2.390	-16.10	61.8	SO312	.03070	9.4664	1.2	F
9011	30378.11	48 22N	40 13E	76.3	189.8	2.390	-15.40	61.8	SO312	.03070	9.5241	1.4	A
9012	30388.31	47 18N	39 44E	78.2	189.6	2.390	-20.30	62.6	SO312	.03070	9.2600	1.2	F
9013	30393.91	47 18N	39 44E	77.9	189.6	2.390	-19.60	62.6	SO312	.03070	9.3343	1.2	A
9014	30406.31	46 6N	38 59E	85.0	189.4	2.181	-30.80	63.4	SO312	.03070	8.4925	0.8	F
9015	30419.51	45 12N	38 48E	83.7	189.3	2.181	-29.05	64.1	SO312	.03070	8.6328	0.8	F
9016	30425.51	45 12N	38 47E	83.6	189.2	2.390	-29.05	64.1	SO312	.03070	8.7153	0.8	A
9017	30437.11	44 8N	39 5E	74.8	189.1	2.390	-12.25	65.1	SO312	.04070	9.8212	0.6	V
9018	30439.91	44 8N	39 5E	75.6	189.0	2.390	-11.90	65.1	SO312	.04070	9.6067	0.6	A
9019	30572.11	34 34N	37 38E	82.2	187.9	2.738	20.65	71.5	SO312	.01650	8.8556	0.8	F
9020	30577.91	34 34N	37 39E	82.9	187.9	2.530	21.70	71.5	SO312	.01650	8.7236	1.0	A
9021	30589.71	33 29N	36 16E	78.9	187.8	2.738	-19.60	71.2	SO312	.03070	9.1775	0.6	F
9022	30595.51	33 6N	36 0E	82.3	187.8	2.738	-25.90	71.2	SO312	.04070	8.7896	0.6	F
9023	30598.51	33 6N	35 60E	81.2	187.8	2.738	-25.55	71.2	SO312	.03070	9.0372	0.4	V
9024	30609.31	32 10N	35 30E	90.0	187.7	2.530	-34.65	71.3	SO312	.02200	8.0056	0.8	F
9025	30612.31	32 11N	35 30E	88.9	187.7	2.738	-34.65	71.3	SO312	.03070	8.2532	1.0	V
9026	30640.91	29 59N	34 58E	92.7	187.5	2.530	-36.75	71.8	SO312	.01650	7.7662	0.8	F
9027	30644.11	29 60N	34 58E	91.4	187.5	2.530	-36.40	71.9	SO312	.01650	8.0056	0.8	V
9028	30650.11	29 35N	34 56E	90.4	187.5	2.738	-35.35	72.0	SO312	.02200	8.1129	0.4	V
9029	30653.31	29 35N	34 55E	91.2	187.5	2.738	-35.00	72.0	SO312	.02200	7.9808	0.6	A
9030	31194.91	7 53S	28 32E	97.3	186.6	3.439	-19.60	52.3	SO312	.03070	7.4609	1.0	V
9031	31198.51	7 53S	28 33E	98.4	186.6	3.439	-18.90	52.3	SO312	.03070	7.2958	1.0	A
9032	31250.51	11 38S	27 30E	107.7	186.7	3.439	-30.10	48.7	SO312	.03070	6.7346	0.6	V
9033	31254.51	11 38S	27 30E	108.6	186.7	3.439	-29.40	48.7	SO312	.03070	6.6108	0.8	A
1345 9001	35176.91	80 38N	58 1E	79.7	225.3	0.438	5.60	31.2	SO312	.03070	9.0867	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1345 9002	35182.51	80 38N	58 4E	79.7	223.7	0.438	5.95	31.2	SO312	.03070	9.1032	0.6	A
9003	35358.51	69 42N	31 31E	79.4	199.3	1.338	14.35	42.9	SO312	.04070	9.1362	0.4	F
9004	35361.31	69 42N	31 30E	78.5	199.1	1.338	14.35	42.9	SO312	.04070	9.3591	0.4	V
9005	35367.31	69 17N	31 14E	79.4	198.7	1.338	16.80	43.3	SO312	.03070	9.2518	0.8	V
9006	35370.31	69 17N	31 14E	80.4	198.6	1.338	17.15	43.3	SO312	.03070	9.0124	0.8	A
9007	35513.31	59 22N	24 8E	82.8	192.9	1.826	23.10	52.7	SO312	.03070	8.8061	0.8	F
9008	35516.11	59 23N	24 7E	81.8	192.9	1.826	23.10	52.7	SO312	.03070	8.9959	1.0	V
9009	35520.11	59 6N	24 5E	83.3	192.8	1.826	25.20	53.0	SO312	.03070	8.8391	0.8	V
9010	35523.31	59 6N	24 5E	84.5	192.7	1.826	25.55	53.0	SO312	.03070	8.5833	0.6	A
9011	35530.31	58 24N	23 51E	85.4	192.5	1.690	28.00	53.6	SO312	.03070	8.6081	0.4	V
9012	35533.31	58 25N	23 52E	86.7	192.4	1.690	28.35	53.6	SO312	.03070	8.3522	0.4	A
9013	35544.91	57 36N	21 52E	74.1	192.2	2.037	-7.35	54.1	SO312	.04070	9.9120	0.6	V
9014	35547.71	57 35N	21 52E	74.9	192.1	2.037	-7.00	54.1	SO312	.04070	9.6892	0.6	A
9015	35554.31	56 44N	21 57E	75.0	192.0	2.037	4.20	54.9	SO312	.04070	9.6809	0.4	F
9016	35556.91	56 44N	21 57E	74.2	191.9	2.037	4.20	54.9	SO312	.04070	9.9038	0.4	V
9017	35562.11	56 33N	22 3E	76.0	191.8	2.037	9.10	55.1	SO312	.04070	9.6489	0.6	A
9018	35566.31	56 4N	21 56E	75.6	191.7	2.037	11.20	55.6	SO312	.04070	9.7140	0.6	V
9019	35569.11	56 4N	21 56E	76.6	191.6	2.037	11.55	55.6	SO312	.03070	9.4664	0.6	A
9020	35570.91	55 56N	21 53E	76.7	191.6	2.037	11.55	55.7	SO312	.03070	9.4581	0.4	A
9021	35581.51	54 58N	20 17E	78.0	191.4	2.037	-19.25	56.3	SO312	.03070	9.2848	0.4	F
9022	35585.51	54 43N	19 57E	80.9	191.3	1.826	-24.50	56.5	SO312	.04070	8.9464	1.8	F
9023	35591.11	54 44N	19 56E	80.7	191.2	2.037	-24.50	56.5	SO312	.04070	9.0124	2.0	A
9024	35599.31	53 57N	19 53E	76.9	191.1	2.037	-18.90	57.2	SO312	.03070	9.5571	0.6	V
9025	35602.11	53 57N	19 53E	77.6	191.0	2.037	-18.55	57.2	SO312	.03070	9.3673	0.6	A
9026	35609.71	53 16N	19 24E	79.7	190.9	2.037	-24.50	57.7	SO312	.03070	9.2188	0.4	V
9027	35612.71	53 16N	19 24E	80.4	190.8	2.037	-24.15	57.7	SO312	.03070	9.0455	0.4	A
9028	35622.11	52 9N	19 57E	74.4	190.7	2.181	0.35	58.9	SO312	.03070	9.7635	0.6	F
9029	35624.71	52 9N	19 57E	73.6	190.6	2.181	0.70	58.9	SO312	.04070	9.9863	0.6	V
9030	35633.91	51 38N	18 44E	81.1	190.5	2.037	-26.95	59.0	SO312	.03070	9.0537	0.4	V
9031	35636.91	51 38N	18 44E	81.8	190.4	2.037	-26.60	59.1	SO312	.03070	8.8887	0.4	A
9032	35648.51	50 49N	18 33E	80.3	190.3	2.181	-24.50	59.7	SO312	.03070	9.0455	0.6	A
9033	35653.11	50 7N	18 14E	82.2	190.2	2.181	-27.30	60.3	SO312	.03070	8.7979	0.4	F
9034	35656.11	50 7N	18 14E	81.0	190.1	2.181	-26.95	60.3	SO312	.03070	9.0537	0.4	V
9035	35659.31	49 53N	18 14E	79.8	190.1	2.181	-25.20	60.5	SO312	.03070	9.1858	0.6	V
9036	35669.31	48 59N	18 12E	77.5	190.0	2.181	-18.90	61.3	SO312	.03070	9.3343	0.6	F
9037	35675.31	48 43N	18 30E	73.6	189.9	2.390	-7.35	61.6	SO312	.03070	9.9780	0.6	V
9038	35678.11	48 43N	18 30E	74.5	189.8	2.390	-7.00	61.6	SO312	.03070	9.7552	0.4	A
9039	35687.51	47 36N	19 2E	79.7	189.7	2.390	18.55	62.8	SO312	.03070	9.1362	0.6	F
9040	35690.31	47 36N	19 2E	78.9	189.7	2.181	18.90	62.8	SO312	.03070	9.3261	0.6	V
9041	35693.51	47 23N	18 60E	79.5	189.6	2.181	19.95	63.0	SO312	.03070	9.2600	0.8	V
9042	35696.51	47 22N	18 59E	80.6	189.6	2.181	20.30	63.0	SO312	.03070	8.9959	0.8	A
9043	35702.31	46 32N	19 0E	85.3	189.5	2.390	26.60	63.7	SO312	.03070	8.5420	0.6	F
9044	35705.31	46 32N	18 60E	84.4	189.5	2.181	26.95	63.7	SO312	.03070	8.7153	0.6	V
9045	35709.91	46 13N	18 59E	86.3	189.4	2.181	29.05	64.0	SO312	.03070	8.5255	1.0	V
9046	35713.11	46 13N	18 59E	87.7	189.4	2.181	29.40	64.0	SO312	.03070	8.2614	1.0	A
9047	35737.31	44 12N	17 56E	79.1	189.1	2.530	17.15	65.4	SO312	.03070	9.2188	0.4	F
9048	35740.11	44 12N	17 56E	78.3	189.1	2.530	17.50	65.4	SO312	.03070	9.3921	0.4	V
9049	35751.91	43 33N	16 26E	79.3	189.0	2.390	-23.80	65.3	SO312	.04070	9.2600	0.4	V
9050	35754.71	43 33N	16 27E	80.0	188.9	2.390	-23.45	65.3	SO312	.04070	9.0867	0.6	A
9051	35905.11	32 51N	13 16E	98.1	187.8	2.181	-40.95	70.9	SO312	.01650	7.3371	0.4	F
9052	35908.51	32 51N	13 16E	96.7	187.7	2.390	-40.95	70.9	SO312	.01650	7.5764	0.4	V
9053	35913.51	32 28N	13 38E	84.1	187.7	2.738	-29.40	71.4	SO312	.03070	8.7153	0.6	V
9054	35916.71	32 27N	13 38E	84.7	187.7	2.738	-28.70	71.4	SO312	.03070	8.5833	0.6	A
1346 9001	40963.51	49 42N	1 52W	87.5	190.1	2.037	30.45	61.2	SO312	.03070	8.4017	0.6	V
9002	40966.71	49 43N	1 52W	89.0	190.1	1.826	31.15	61.2	SO312	.03070	8.1376	0.6	A
1347 9001	47125.31	8 49S	36 27W	113.6	186.6	2.390	30.45	52.3	SO312	.02200	6.2477	1.4	A
9002	47178.71	12 52S	38 20W	98.3	186.7	3.439	-8.40	48.0	SO312	.03070	7.2958	1.4	F
9003	47251.71	17 35S	39 15W	101.1	186.8	3.439	-9.10	43.7	SO312	.03070	7.1473	1.6	V
9004	47318.51	21 38S	41 17W	132.6	187.0	3.232	-39.90	39.3	SO312	.02200	5.3811	1.6	A
1348 9001	52250.71	3 25N	57 20W	87.6	186.5	3.439	0.70	62.2	SO312	.03070	8.1954	1.4	A
9002	52348.11	3 18S	57 42W	107.3	186.5	2.530	28.35	57.1	SO312	.02200	6.6521	1.6	A
9003	52566.11	17 55S	62 20W	120.1	186.9	3.439	-34.65	42.9	SO312	.03070	5.9588	1.4	A
9004	52583.91	19 24S	62 48W	125.7	186.9	3.092	-38.50	41.5	SO312	.03070	5.7443	1.2	V
9005	52592.71	19 49S	62 6W	107.4	186.9	3.439	-18.55	41.5	SO312	.03070	6.6438	1.6	A
9006	52617.91	22 1S	60 37W	129.4	187.0	2.181	33.95	40.3	SO312	.03070	5.5709	1.0	V
9007	52622.71	22 0S	60 36W	132.6	187.0	2.181	34.65	40.3	SO312	.02200	5.3316	0.6	A
9008	52759.91	31 25S	64 15W	112.6	187.6	3.092	-11.55	30.7	SO312	.03070	6.3797	0.8	V
9009	52764.11	31 25S	64 15W	114.1	187.7	3.092	-10.85	30.7	SO312	.03070	6.2064	0.8	A
9010	52772.91	32 26S	63 11W	122.5	187.7	2.530	20.65	30.2	SO312	.03070	5.8598	0.6	V
9011	52777.51	32 26S	63 11W	124.7	187.7	2.530	21.00	30.2	SO312	.03070	5.6535	0.8	A
9012	52783.11	33 30S	62 56W	135.3	187.8	2.181	29.75	29.3	SO312	.03070	5.2738	1.0	F
9013	52793.91	33 33S	62 51W	140.1	187.8	1.690	32.55	29.3	SO312	.03070	5.0097	1.0	A
9014	52804.51	34 11S	64 18W	116.2	187.9	2.738	3.50	28.3	SO312	.03070	6.0744	1.0	A
9015	52878.11	39 2S	66 11W	121.6	188.4	2.881	-12.95	23.4	SO312	.04070	5.8020	0.6	A
9016	52992.11	46 31S	68 57W	135.0	189.5	2.738	-23.45	16.0	SO312	.04070	5.2161	1.0	A
9017	53041.51	49 58S	68 33W	129.5	190.2	2.181	3.85	13.1	SO312	.03070	5.4141	1.6	A
9018	53057.11	51 37S	69 13W	129.6	190.4	2.181	1.40	11.4	SO312	.05390	5.4389	0.6	F
9019	53061.91	51 38S	69 11W	127.2	190.5	2.181	2.45	11.4	SO312	.05390	5.5957	0.6	V
9020	53066.11	51 34S	69 17W	130.2	190.6	2.181	0.70	11.5	SO312	.05390	5.3811	1.4	A
9021	53073.31	52 22S	69 41W	128.8	190.7	2.181	-1.40	10.7	SO312	.05390	5.5214	1.6	V
9022	53087.31	53 34S	70 26W	131.2	190.9	2.181	-6.30	9.4	SO312	.04070	5.3646	1.6	F
1349 9001	57293.51	20 54N	76 17W	79.2	187.0	3.232	-0.70	72.5	SO312	.03070	9.1610	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1349 9002	57296.31	20 54N	76 18W	78.4	187.0	3.232	-0.35	72.5	SO312	.03070	9.3508	0.6	V
9003	57297.71	20 48N	76 19W	78.4	187.0	3.232	-0.35	72.5	SO312	.03070	9.3508	0.6	V
9004	57300.51	20 49N	76 19W	79.4	187.0	3.232	0.00	72.5	SO312	.04070	9.1032	0.6	A
9005	57579.71	0 60N	78 38W	118.2	186.5	2.390	38.50	61.0	SO312	.03070	6.1322	0.6	F
9006	57588.51	1 1N	79 37W	91.3	186.5	3.092	9.80	60.4	SO312	.03070	7.8488	1.4	A
9007	57627.31	2 8S	79 51W	98.3	186.5	3.092	19.60	57.9	SO312	.03070	7.3536	1.2	F
9008	57631.51	2 11S	79 50W	98.0	186.5	2.881	20.65	57.9	SO312	.03070	7.4279	0.4	V
9009	57640.31	2 31S	80 23W	91.7	186.5	3.439	3.85	57.3	SO312	.03070	7.8075	0.6	A
9010	57647.51	3 32S	80 4W	99.4	186.5	3.092	20.30	56.7	SO312	.03070	7.2711	0.4	F
9011	57655.91	3 57S	79 22W	124.9	186.5	2.181	40.95	56.8	SO312	.01220	5.8268	1.2	V
9012	57663.31	4 7S	79 58W	106.3	186.5	2.390	27.30	56.4	SO312	.02200	6.7099	0.4	A
9013	57669.91	4 49S	80 15W	100.5	186.5	2.738	21.70	55.6	SO312	.03070	7.2298	1.2	V
9014	57678.51	5 10S	80 4W	110.0	186.5	2.530	29.40	55.5	SO312	.02200	6.4870	1.4	A
1350 5001	62330.51	39 10N	94 36W	74.8	188.4	2.738	-5.60	68.5	SO312	.02210	9.6984	0.6	F
5002	62335.91	39 10N	94 36W	74.9	188.4	2.738	-4.90	68.5	SO312	.02210	9.6901	0.6	A
9001	62330.31	39 11N	94 36W	74.8	188.4	2.738	-5.60	68.5	SO312	.02200	9.6974	0.8	F
9002	62335.71	39 11N	94 36W	74.9	188.4	2.738	-4.90	68.5	SO312	.02200	9.6892	0.6	A
9003	62523.31	25 55N	97 29W	77.5	187.2	3.232	-4.20	73.1	SO312	.03070	9.3591	0.6	F
9004	62528.91	25 54N	97 29W	77.7	187.2	3.232	-3.15	73.1	SO312	.03070	9.3178	0.6	A
9005	62610.11	20 8N	98 44W	77.6	186.9	3.232	-8.40	72.1	SO312	.03070	9.4416	0.6	V
9006	62613.11	20 8N	98 44W	78.6	186.9	3.439	-8.40	72.1	SO312	.03070	9.2105	0.6	A
9007	62648.11	17 33N	99 29W	82.1	186.8	3.232	-19.25	70.9	SO312	.03070	8.9052	0.6	V
9008	62651.11	17 33N	99 30W	83.1	186.8	3.439	-19.25	70.9	SO312	.03070	8.7153	0.6	A
9009	62659.11	16 44N	99 7W	80.1	186.8	3.232	1.75	71.0	SO312	.03070	9.1362	0.6	V
9010	62662.11	16 44N	99 7W	81.2	186.8	3.232	2.10	71.0	SO312	.03070	8.8804	0.6	A
1351 9001	67707.11	34 14N	118 10W	77.1	187.9	2.881	-16.80	70.9	SO312	.02200	9.5076	7.4	V
1354 9001	83173.31	64 25N	173 13W	76.7	195.3	1.484	-7.00	47.8	SO312	.03070	9.4499	1.2	F
9002	83178.91	64 24N	173 12W	76.6	195.1	1.484	-6.30	47.8	SO312	.03070	9.4911	1.0	A
1355 9001	2030.10	68 5N	166 34E	81.8	197.7	0.995	-21.00	44.3	SO312	.04070	8.8474	0.8	F
9002	2035.90	68 5N	166 34E	81.5	197.4	1.135	-20.65	44.3	SO312	.04070	8.9052	1.0	A
9003	2178.30	57 58N	162 3E	79.1	192.4	2.037	15.75	53.9	SO312	.03070	9.1858	0.6	F
9004	2181.10	57 58N	162 3E	78.3	192.3	1.826	16.10	53.9	SO312	.03070	9.4003	0.6	V
9005	2186.70	57 24N	161 45E	78.7	192.2	2.037	15.05	54.4	SO312	.03070	9.2435	1.8	F
9006	2192.30	57 24N	161 46E	79.0	192.1	1.826	16.10	54.4	SO312	.03070	9.1858	1.8	A
9007	2198.30	56 50N	161 16E	75.9	192.0	2.037	10.50	54.8	SO312	.03070	9.6809	0.4	V
9008	2201.10	56 50N	161 15E	76.8	191.9	2.037	10.50	54.8	SO312	.03070	9.4499	0.4	A
9009	2205.90	56 20N	160 52E	74.9	191.8	2.037	6.30	55.2	SO312	.03070	9.8130	0.6	V
9010	2208.70	56 20N	160 51E	75.8	191.7	2.037	6.30	55.2	SO312	.03070	9.5819	0.6	A
9011	2236.90	54 37N	158 29E	87.5	191.2	1.826	-32.90	56.4	SO312	.02200	8.3274	0.4	A
9012	2250.70	53 13N	158 29E	80.0	190.9	2.037	-22.75	57.7	SO312	.02200	9.0537	0.6	F
9013	2253.50	53 13N	158 29E	78.9	190.9	2.037	-22.40	57.7	SO312	.03070	9.3096	1.0	V
9014	2256.90	53 12N	158 27E	79.8	190.8	2.037	-22.40	57.7	SO312	.02200	9.1197	0.6	A
1356 9001	7595.50	50 43N	136 53E	78.6	190.4	2.390	15.75	60.1	SO312	.03070	9.2600	0.6	F
9002	7601.90	50 24N	137 20E	87.0	190.3	2.181	29.40	60.6	SO312	.02200	8.4678	0.4	V
9003	7605.10	50 24N	137 20E	88.3	190.2	2.181	29.75	60.6	SO312	.02200	8.2119	0.4	A
9004	7621.50	48 56N	136 21E	79.9	190.0	2.390	18.20	61.6	SO312	.02200	9.1197	0.4	F
9005	7629.30	48 31N	135 17E	75.1	189.9	2.390	-8.75	61.7	SO312	.03070	9.6644	1.0	F
9006	7632.30	48 30N	135 16E	74.1	189.8	2.390	-8.40	61.7	SO312	.03070	9.9120	0.6	V
9007	7636.50	48 13N	135 4E	74.7	189.8	2.390	-11.90	61.9	SO312	.03070	9.8295	0.4	V
9008	7639.30	48 13N	135 4E	75.5	189.7	2.390	-11.55	61.9	SO312	.03070	9.6232	0.4	A
9009	7670.70	45 57N	133 45E	83.4	189.4	2.181	-29.75	63.4	SO312	.03070	8.7979	0.6	V
9010	7673.90	45 56N	133 44E	84.2	189.3	2.390	-29.75	63.4	SO312	.03070	8.6493	0.6	A
9011	7688.50	44 31N	133 28E	82.2	189.2	2.181	-26.95	64.5	SO312	.02200	8.7896	0.4	F
9012	7691.30	44 32N	133 28E	81.1	189.1	2.390	-26.95	64.5	SO312	.02200	9.0537	0.4	V
9013	7696.70	44 10N	133 16E	83.1	189.1	2.181	-29.40	64.7	SO312	.03070	8.8226	0.4	V
9014	7699.70	44 10N	133 16E	83.9	189.0	2.390	-29.40	64.7	SO312	.03070	8.6741	0.4	A
9015	7714.10	42 46N	133 4E	81.4	188.9	2.390	-25.55	65.8	SO312	.04070	8.8887	0.4	F
9016	7716.90	42 46N	133 4E	80.3	188.9	2.390	-25.20	65.8	SO312	.04070	9.1445	0.4	V
9017	7717.90	42 42N	133 3E	80.2	188.9	2.390	-25.20	65.9	SO312	.04070	9.1610	0.4	V
9018	7720.70	42 42N	133 3E	80.9	188.8	2.390	-24.85	65.9	SO312	.03070	8.9959	0.6	A
9019	7880.30	31 17N	131 5E	76.1	187.6	3.092	-0.70	72.3	SO312	.03070	9.5406	0.8	F
9020	7885.70	31 17N	131 5E	76.3	187.6	3.092	0.35	72.3	SO312	.03070	9.4911	0.8	A
9021	8312.10	1 36N	124 56E	93.5	186.5	3.439	-22.75	60.3	SO312	.03070	7.7002	1.4	F
9022	8318.90	1 36N	124 56E	93.2	186.5	3.587	-21.70	60.3	SO312	.03070	7.7332	1.2	A
1357 9001	12593.50	71 40N	128 55E	81.1	201.2	1.135	17.15	40.9	SO312	.05390	9.0537	0.6	V
9002	12596.50	71 40N	128 56E	82.2	201.0	1.135	17.50	40.9	SO312	.05390	8.8309	0.6	A
9003	12608.50	70 47N	126 59E	77.5	200.1	1.135	7.00	41.7	SO312	.04070	9.4746	0.6	V
9004	12611.50	70 47N	126 59E	78.4	199.9	1.135	7.35	41.8	SO312	.04070	9.2518	0.4	A
9005	12878.90	52 54N	113 39E	85.7	190.8	1.826	-32.55	57.8	SO312	.03070	8.5585	1.0	V
9006	12882.10	52 54N	113 39E	86.3	190.7	1.826	-32.20	57.9	SO312	.03070	8.4265	0.8	A
9007	12889.50	51 59N	113 5E	92.3	190.6	1.484	-37.45	58.5	SO312	.02200	7.8075	0.4	F
9008	12892.70	51 59N	113 5E	91.0	190.5	1.690	-37.45	58.5	SO312	.02200	8.0716	0.4	V
9009	12896.70	51 29N	113 4E	89.0	190.5	1.690	-34.65	59.0	SO312	.03070	8.1211	0.6	F
9010	12900.10	51 27N	113 8E	86.1	190.4	1.690	-32.90	59.0	SO312	.03070	8.5255	0.8	V
9011	12904.50	51 21N	113 17E	83.6	190.4	2.037	-29.05	59.2	SO312	.03070	8.7153	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1357 9012	12905.70	51 16N	113 15E	83.6	190.3	2.037	-29.05	59.2	SO312	.03070	8.7071	1.2	A
9013	13049.70	40 48N	112 0E	83.9	188.6	2.530	24.85	67.9	SO312	.03070	8.6988	1.0	F
9014	13052.70	40 48N	112 0E	83.3	188.6	2.530	25.20	67.9	SO312	.03070	8.8391	1.4	V
9015	13056.30	40 46N	111 59E	84.5	188.6	2.530	25.55	67.9	SO312	.03070	8.5750	0.8	A
9016	13061.10	40 26N	112 1E	86.8	188.5	2.181	29.05	68.2	SO312	.03070	8.3440	0.6	A
9017	13073.90	39 24N	111 11E	76.0	188.4	2.738	11.20	68.6	SO312	.03070	9.6727	0.4	V
9018	13076.70	39 24N	111 11E	77.0	188.4	2.738	11.55	68.6	SO312	.03070	9.4086	0.4	A
9019	13137.90	35 1N	109 58E	75.4	188.0	2.881	6.30	70.9	SO312	.03070	9.7470	0.4	V
9020	13143.90	34 36N	109 58E	76.5	187.9	2.881	9.80	71.2	SO312	.02200	9.6067	0.6	V
9021	13146.70	34 36N	109 58E	77.6	187.9	2.881	10.15	71.2	SO312	.02200	9.3426	0.6	A
9022	13318.70	22 24N	107 17E	79.1	187.1	3.232	4.55	73.0	SO312	.03070	9.1775	0.6	F
9023	13322.50	22 9N	107 9E	78.8	187.0	3.232	1.05	72.8	SO312	.02200	9.2105	0.8	F
9024	13327.10	22 13N	107 10E	79.1	187.0	3.232	2.10	72.9	SO312	.02200	9.1445	1.8	A
9025	13342.70	21 4N	105 53E	94.2	187.0	2.881	-36.40	71.6	SO312	.02200	7.7910	0.6	V
9026	13346.10	21 4N	105 54E	94.5	187.0	3.092	-35.70	71.6	SO312	.02200	7.6920	0.6	A
9027	13354.30	20 26N	106 11E	84.4	186.9	3.232	-22.75	71.8	SO312	.03070	8.5915	0.6	A
9028	13476.50	11 35N	104 51E	84.0	186.7	3.439	-12.95	67.8	SO312	.03070	8.5998	0.8	F
9029	13482.50	11 35N	104 51E	84.0	186.6	3.587	-11.90	67.8	SO312	.03070	8.5998	0.8	A
9030	13499.10	10 3N	104 3E	95.3	186.6	3.232	-31.50	66.4	SO312	.02200	7.5434	1.0	F
9031	13502.50	10 3N	104 3E	94.0	186.6	3.232	-31.15	66.4	SO312	.02200	7.7580	1.0	V
1358 9001	18014.50	64 9N	99 35E	81.8	195.2	1.690	19.95	48.2	SO312	.04070	8.8887	0.8	F
9002	18020.30	64 9N	99 34E	81.8	195.0	1.484	20.30	48.2	SO312	.04070	8.8556	1.0	A
9003	18130.50	56 17N	95 40E	90.2	191.9	1.826	31.50	55.5	SO312	.03070	8.0881	0.4	F
9004	18135.50	56 9N	95 41E	91.0	191.8	1.826	33.25	55.6	SO312	.02200	8.0881	0.6	V
9005	18138.70	56 9N	95 42E	92.5	191.7	1.826	33.60	55.6	SO312	.02200	7.8405	0.8	A
1359 9001	23570.30	47 52N	67 36E	90.6	189.7	1.826	-37.10	61.8	SO312	.02200	8.1211	0.6	V
9002	23573.70	47 52N	67 37E	91.0	189.6	2.037	-36.75	61.8	SO312	.02200	7.9973	0.6	A
9003	23596.90	45 47N	67 50E	77.0	189.4	2.390	-16.80	63.7	SO312	.03070	9.4086	1.0	F
9004	23602.30	45 47N	67 50E	76.8	189.3	2.390	-16.10	63.7	SO312	.03070	9.4664	1.2	A
9005	23684.50	39 49N	65 33E	90.9	188.5	2.181	-36.40	67.5	SO312	.02200	7.9231	0.6	F
9006	23687.70	39 49N	65 33E	89.5	188.5	2.181	-36.05	67.5	SO312	.02200	8.1789	0.6	V
9007	23701.10	38 51N	65 48E	79.3	188.4	2.530	-23.10	68.4	SO312	.03070	9.2435	0.4	V
9008	23803.50	31 38N	65 42E	89.8	187.7	2.530	30.45	72.9	SO312	.02200	8.1871	0.6	V
9009	23806.70	31 39N	65 42E	91.3	187.6	2.530	30.80	72.9	SO312	.02200	7.9148	0.8	A
9010	23841.90	28 48N	64 55E	86.9	187.5	2.738	25.55	73.5	SO312	.02200	8.3852	0.6	F
9011	23845.10	28 48N	64 55E	86.3	187.4	2.530	26.25	73.5	SO312	.02200	8.5173	0.6	V
9012	23848.50	28 47N	64 55E	87.7	187.4	2.530	26.60	73.5	SO312	.02200	8.2367	0.4	A
1360 9001	28630.10	64 12N	55 17E	81.0	195.2	1.690	18.20	48.1	SO312	.04070	8.9712	0.8	F
9002	28635.90	64 12N	55 17E	81.1	195.0	1.484	18.90	48.1	SO312	.04070	8.9217	0.8	A
9003	28646.90	63 35N	53 41E	75.9	194.6	1.690	-3.50	48.6	SO312	.04070	9.5654	0.4	A
9004	28708.30	59 13N	49 47E	88.3	192.8	1.338	-32.55	52.4	SO312	.03070	8.1871	0.6	F
9005	28712.90	59 6N	49 52E	85.0	192.7	1.338	-30.10	52.5	SO312	.03070	8.6328	0.4	V
9006	28716.10	59 5N	49 52E	85.7	192.6	1.690	-30.10	52.5	SO312	.03070	8.4843	0.4	A
9007	28719.30	58 40N	49 38E	85.4	192.5	1.484	-30.80	52.9	SO312	.03070	8.5750	0.6	V
9008	28722.50	58 40N	49 38E	86.2	192.4	1.690	-30.80	52.9	SO312	.03070	8.4347	0.6	A
9009	28741.10	56 59N	48 53E	86.9	192.0	1.484	-31.50	54.3	SO312	.03070	8.3027	0.6	F
9010	28744.30	56 58N	48 53E	85.7	191.9	1.690	-31.50	54.4	SO312	.03070	8.5668	0.4	V
9011	28748.10	56 55N	48 54E	85.7	191.8	1.690	-30.45	54.4	SO312	.03070	8.4843	0.4	A
9012	28749.70	56 49N	48 51E	85.7	191.8	1.690	-30.45	54.5	SO312	.03070	8.4843	0.6	A
9013	28759.50	55 53N	49 2E	77.5	191.6	1.826	-18.90	55.4	SO312	.03070	9.4581	0.6	V
9014	28762.30	55 53N	49 2E	78.3	191.6	2.037	-18.90	55.4	SO312	.03070	9.2765	2.0	A
9015	28777.50	54 26N	48 49E	75.8	191.3	2.037	-10.85	56.7	SO312	.03070	9.5654	0.8	F
9016	28787.70	53 34N	49 52E	83.7	191.1	2.181	24.15	57.8	SO312	.03070	8.6823	0.8	F
9017	28790.70	53 34N	49 52E	83.0	191.0	2.181	24.50	57.8	SO312	.03070	8.8391	0.6	V
9018	28795.50	53 1N	49 47E	86.2	190.9	2.181	27.30	58.3	SO312	.03070	8.4265	0.6	F
9019	28798.70	53 0N	49 48E	85.8	190.9	2.181	28.00	58.3	SO312	.03070	8.5750	0.4	V
9020	28812.30	52 8N	47 8E	85.7	190.6	1.826	-30.80	58.5	SO312	.03070	8.4265	2.2	F
9021	28818.50	52 8N	47 7E	85.5	190.5	2.037	-30.80	58.5	SO312	.03070	8.5173	2.2	A
9022	28854.70	49 11N	46 52E	76.1	190.0	2.390	-13.30	61.1	SO312	.03070	9.5241	0.6	F
9023	28860.10	49 11N	46 52E	75.9	189.9	2.390	-12.60	61.1	SO312	.03070	9.5737	0.8	A
9024	28865.30	48 26N	46 55E	74.7	189.9	2.390	-4.55	61.8	SO312	.03070	9.7057	1.4	F
9025	28870.70	48 26N	46 55E	74.7	189.8	2.390	-3.85	61.8	SO312	.03070	9.7222	1.2	A
9026	28878.50	47 27N	47 16E	78.4	189.7	2.530	15.05	62.8	SO312	.03070	9.2765	1.0	F
9027	28884.10	47 27N	47 16E	78.7	189.6	2.390	15.75	62.8	SO312	.03070	9.2023	1.0	A
9028	28958.10	42 4N	45 12E	74.7	188.8	2.738	-0.35	66.6	SO312	.03070	9.7222	0.6	F
9029	28964.10	41 41N	44 53E	75.0	188.7	2.738	-8.05	66.8	SO312	.02200	9.6644	0.6	F
9030	28969.50	41 41N	44 53E	75.0	188.7	2.738	-7.00	66.8	SO312	.02200	9.6809	0.6	A
9031	28974.50	40 60N	44 25E	76.7	188.6	2.530	-17.50	67.1	SO312	.03070	9.4251	0.6	F
9032	28977.30	40 60N	44 25E	75.8	188.6	2.530	-17.15	67.1	SO312	.03070	9.6809	0.6	V
9033	28982.30	40 49N	44 32E	75.0	188.6	2.738	-11.55	67.3	SO312	.03070	9.6809	0.6	A
9034	28988.70	40 13N	44 9E	76.9	188.5	2.530	-18.90	67.6	SO312	.03070	9.5406	1.0	V
9035	29052.10	35 30N	44 22E	86.7	188.0	2.530	26.60	71.1	SO312	.01650	8.4100	1.0	F
9036	29055.10	35 30N	44 22E	86.0	188.0	2.530	26.95	71.1	SO312	.01650	8.5420	1.0	V
9037	29086.70	33 22N	43 36E	81.0	187.8	2.738	18.90	71.9	SO312	.01650	9.0620	0.8	V
9038	29089.70	33 22N	43 36E	82.2	187.8	2.738	19.25	71.9	SO312	.01650	8.7896	0.8	A
9039	29574.90	0 28S	37 28E	102.9	186.5	2.881	26.95	59.5	SO312	.02200	7.0400	2.0	F
9040	29582.50	0 29S	37 30E	105.4	186.5	2.530	29.05	59.6	SO312	.02200	6.7676	1.8	A
9041	29601.90	1 47S	36 48E	94.0	186.5	3.232	13.30	58.2	SO312	.03070	7.6094	1.6	A
9042	29982.50	27 59S	32 27E	120.1	187.4	2.530	21.70	34.5	SO312	.03070	5.9836	0.8	V
9043	29987.10	27 59S	32 27E	122.3	187.4	2.530	22.05	34.5	SO312	.03070	5.7690	0.8	A
1361 5001	34062.90	55 58N	26 40E	82.0	191.7	1.690	-25.55	55.3	SO312	.03080	8.8317	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1361 5002	34068.70	55 58N	26 41E	81.5	191.6	1.826	-24.85	55.3	SO312	.03080	8.9225	0.8	A
9001	33865.90	68 56N	36 52E	79.1	198.6	1.338	12.25	43.5	SO312	.04070	9.1693	0.8	F
9002	33868.70	68 57N	36 51E	78.2	198.4	1.338	12.25	43.5	SO312	.04070	9.3921	0.8	V
9003	33879.70	68 16N	33 54E	82.4	197.8	1.135	-22.75	44.1	SO312	.04070	8.7731	1.0	F
9004	33885.50	68 17N	33 54E	82.2	197.5	1.338	-22.75	44.1	SO312	.04070	8.8309	1.2	A
9005	33903.10	66 31N	34 30E	78.1	196.7	1.484	10.50	45.9	SO312	.05390	9.2931	1.2	F
9006	33908.70	66 31N	34 30E	78.2	196.4	1.484	10.85	45.9	SO312	.05390	9.2848	1.2	A
9007	33915.70	65 60N	34 42E	82.7	196.1	1.484	21.00	46.4	SO312	.04070	8.7731	0.4	A
9008	33992.90	60 42N	28 46E	83.3	193.4	1.484	-26.25	51.1	SO312	.03070	8.6741	0.6	F
9009	33995.50	60 44N	28 47E	82.0	193.3	1.484	-25.90	51.1	SO312	.03070	8.9382	0.8	V
9010	34003.50	59 56N	29 4E	76.7	193.1	1.826	-12.60	51.9	SO312	.04070	9.4334	0.8	F
9011	34006.30	59 56N	29 4E	75.7	193.0	1.826	-12.25	51.9	SO312	.04070	9.6892	0.8	V
9012	34015.50	59 25N	27 45E	87.5	192.8	1.484	-32.90	52.2	SO312	.03070	8.4017	0.4	V
9013	34018.70	59 25N	27 46E	87.9	192.7	1.690	-32.55	52.2	SO312	.03070	8.2697	0.4	A
9014	34027.90	58 45N	27 47E	83.0	192.5	1.690	-26.60	52.8	SO312	.03070	8.7566	0.4	A
9015	34035.70	57 50N	27 2E	88.6	192.3	1.484	-33.25	53.6	SO312	.03070	8.1376	0.6	F
9016	34041.70	57 26N	26 51E	88.9	192.1	1.484	-33.60	53.9	SO312	.03070	8.1129	0.6	F
9017	34046.70	57 17N	26 55E	85.4	192.0	1.690	-31.15	54.1	SO312	.03070	8.5915	0.4	V
9018	34049.90	57 17N	26 54E	86.3	192.0	1.690	-31.15	54.1	SO312	.03070	8.4265	0.4	A
9019	34073.70	55 37N	26 34E	81.2	191.5	1.826	-24.50	55.6	SO312	.03070	8.9464	0.6	A
9020	34104.30	53 7N	26 3E	76.6	190.9	2.037	-14.70	57.8	SO312	.03070	9.4581	0.6	F
9021	34106.90	53 7N	26 3E	75.6	190.9	2.037	-14.35	57.8	SO312	.03070	9.7140	0.6	V
9022	34115.10	52 38N	25 5E	86.4	190.7	1.826	-32.90	58.0	SO312	.03070	8.4760	0.6	V
9023	34118.30	52 38N	25 5E	87.1	190.7	1.826	-32.55	58.0	SO312	.03070	8.3357	0.6	A
9024	34129.50	51 21N	25 54E	74.6	190.5	2.390	-1.75	59.4	SO312	.03070	9.7222	0.6	F
9025	34140.10	50 56N	24 27E	87.8	190.3	1.826	-34.30	59.4	SO312	.03070	8.3687	0.6	V
9026	34143.30	50 56N	24 28E	88.3	190.3	2.037	-33.95	59.4	SO312	.03070	8.2367	0.6	A
9027	34148.30	50 22N	24 27E	84.0	190.2	2.037	-30.45	59.9	SO312	.03070	8.7318	0.6	V
9028	34151.50	50 21N	24 27E	84.7	190.1	2.037	-30.10	60.0	SO312	.03070	8.5915	0.6	A
9029	34155.10	50 7N	24 21E	85.3	190.1	2.037	-30.80	60.1	SO312	.03070	8.5338	0.6	A
9030	34161.50	49 16N	23 47E	92.1	190.0	1.826	-37.45	60.7	SO312	.03070	7.8653	0.8	F
9031	34164.70	49 16N	23 47E	90.6	190.0	1.826	-37.10	60.7	SO312	.03070	8.1129	0.8	V
9032	34174.30	48 31N	24 31E	74.9	189.8	2.390	-14.00	61.6	SO312	.03070	9.8047	0.4	V
9033	34176.90	48 32N	24 31E	75.7	189.8	2.390	-13.65	61.6	SO312	.03070	9.5984	0.4	A
9034	34199.10	46 34N	24 35E	75.4	189.5	2.530	5.95	63.4	SO312	.03070	9.6479	0.8	F
9035	34204.50	46 34N	24 34E	75.5	189.4	2.390	6.65	63.4	SO312	.03070	9.6067	0.8	A
9036	34214.30	45 42N	24 23E	75.1	189.3	2.530	8.75	64.1	SO312	.03070	9.7882	0.6	V
9037	34217.10	45 42N	24 23E	76.1	189.3	2.530	9.10	64.1	SO312	.03070	9.5324	0.6	A
9038	34227.50	44 35N	24 15E	78.1	189.2	2.530	14.35	65.0	SO312	.03070	9.3178	0.6	F
9039	34230.30	44 35N	24 15E	77.4	189.2	2.530	14.70	65.0	SO312	.03070	9.4994	0.6	V
9040	34236.90	44 6N	24 26E	82.5	189.1	2.390	23.80	65.5	SO312	.03070	8.8969	0.8	V
9041	34239.90	44 6N	24 25E	83.6	189.1	2.181	24.15	65.5	SO312	.03070	8.6576	0.8	A
9042	34252.30	42 51N	24 1E	82.2	188.9	2.530	22.05	66.4	SO312	.03070	8.8721	0.6	F
9043	34258.70	42 41N	23 24E	74.3	188.9	2.530	4.90	66.3	SO312	.03070	9.8790	0.6	V
9044	34261.50	42 41N	23 24E	75.3	188.8	2.530	5.25	66.3	SO312	.03070	9.6314	0.4	A
9045	34266.90	41 52N	23 38E	80.3	188.8	2.530	19.25	67.0	SO312	.01650	9.0785	0.6	F
9046	34272.70	41 52N	23 39E	80.9	188.7	2.390	20.30	67.0	SO312	.01650	8.9464	0.6	A
9047	34409.10	32 12N	20 37E	76.0	187.7	3.092	-4.20	71.9	SO312	.03070	9.5406	0.4	F
9048	34411.90	32 12N	20 36E	75.2	187.7	2.881	-3.85	71.9	SO312	.03070	9.7552	0.4	V
9049	34416.30	32 7N	20 22E	77.1	187.7	3.092	-11.90	71.8	SO312	.01650	9.4086	0.6	A
9050	34950.10	4 57S	12 37E	114.2	186.5	3.092	-38.50	54.5	SO312	.02200	6.2642	0.6	F
9051	34954.10	4 56S	12 37E	112.7	186.5	3.092	-38.15	54.5	SO312	.02200	6.4458	0.6	V
9052	34958.70	5 32S	12 18E	122.7	186.5	2.881	-43.05	53.9	SO312	.02200	5.8103	1.4	F
9053	34963.10	5 32S	12 17E	121.2	186.5	3.092	-43.05	53.9	SO312	.02200	5.9919	1.2	V
9054	34970.90	6 5S	12 23E	114.0	186.6	3.232	-38.50	53.5	SO312	.02200	6.3550	1.0	V
9055	34975.30	6 6S	12 23E	115.4	186.6	3.439	-38.50	53.5	SO312	.02200	6.2394	0.8	A
9056	35009.50	8 53S	13 22E	96.6	186.6	3.232	9.45	51.9	SO312	.03070	7.5104	0.6	V
9057	35013.10	8 53S	13 22E	98.1	186.6	3.232	9.80	51.9	SO312	.03070	7.2711	0.6	A
9058	35054.30	12 20S	13 35E	119.5	186.7	2.530	32.20	49.2	SO312	.02200	6.0331	1.0	F
9059	35063.10	12 20S	13 35E	121.3	186.7	2.181	33.25	49.2	SO312	.02200	5.8515	1.0	A
1362 9001	39440.90	51 17N	2 57E	79.1	190.4	2.037	-23.10	59.3	SO312	.04070	9.2765	1.4	V
9002	39472.90	48 53N	2 20E	78.3	189.9	2.181	-19.60	61.3	SO312	.03070	9.2435	1.6	F
9003	39478.50	48 53N	2 19E	78.0	189.9	2.390	-19.25	61.3	SO312	.03070	9.3096	1.6	A
9004	39663.70	35 46N	0 41W	75.5	188.0	2.881	-3.50	70.4	SO312	.04070	9.5984	1.0	F
9005	39669.30	35 45N	0 41W	75.6	188.0	2.881	-2.45	70.4	SO312	.04070	9.5737	0.8	A
9006	39680.70	34 39N	1 24W	78.7	187.9	2.738	-19.95	70.6	SO312	.03070	9.1858	0.6	F
9007	39683.50	34 38N	1 24W	77.7	187.9	2.738	-19.60	70.6	SO312	.03070	9.4334	0.6	V
9008	39696.10	33 40N	0 36W	79.3	187.8	2.738	17.15	71.7	SO312	.03070	9.2518	0.6	V
9009	39699.10	33 40N	0 37W	80.5	187.8	2.738	17.50	71.8	SO312	.03070	8.9712	0.4	A
9010	39723.10	31 45N	0 32W	91.9	187.7	2.390	32.55	72.9	SO312	.02200	7.9726	0.6	V
9011	39726.50	31 45N	0 32W	93.7	187.7	2.181	33.25	72.9	SO312	.02200	7.7002	0.6	A
1364 9001	50769.50	2 6N	50 47W	95.8	186.5	2.881	19.95	61.5	SO312	.02200	7.4774	1.4	A
9002	50814.70	0 51S	52 36W	99.2	186.5	3.587	-28.35	58.2	SO312	.02200	7.2793	1.4	A
9003	50822.70	1 42S	52 14W	90.0	186.5	3.587	-10.85	57.8	SO312	.03070	8.0881	1.4	V
9004	51119.10	22 10S	55 56W	105.1	187.0	3.439	-9.45	39.5	SO312	.03070	6.8006	0.8	F
9005	51132.10	22 58S	57 35W	142.3	187.1	2.738	-44.10	38.1	SO312	.02200	4.9932	0.6	F
9006	51138.30	23 23S	57 25W	133.1	187.1	2.881	-39.55	37.8	SO312	.02200	5.3316	0.4	F
9007	51146.70	23 28S	56 32W	110.3	187.1	3.439	-18.20	38.2	SO312	.03070	6.4623	0.8	A
9008	51151.90	23 50S	56 28W	108.7	187.1	3.439	-14.00	37.9	SO312	.03070	6.5531	1.6	A
9009	51165.70	25 15S	57 36W	127.9	187.2	3.092	-35.35	36.2	SO312	.03070	5.5627	1.0	F
9010	51170.70	25 17S	57 36W	125.8	187.2	3.092	-34.65	36.1	SO312	.03070	5.7360	0.6	V
9011	51179.70	25 46S	56 28W	108.3	187.2	3.232	-2.45	36.2	SO312	.03070	6.5531	0.4	A
9012	51239.90	29 44S	57 58W	117.1	187.5	3.232	-20.30	32.2	SO312	.03070	6.0661	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1365 9001	55832.10	18 29N	69 54W	87.2	186.9	2.881	21.70	72.2	SO312	.03070	8.4100	0.4	V
9002	55835.30	18 30N	69 54W	88.6	186.9	2.881	22.05	72.2	SO312	.02200	8.1294	0.4	A
9003	55922.10	12 12N	71 55W	83.8	186.7	3.439	-12.95	68.2	SO312	.04070	8.6328	0.4	F
9004	55925.10	12 11N	71 56W	82.8	186.7	3.439	-12.60	68.2	SO312	.04070	8.8309	0.4	V
9005	55930.90	11 50N	72 25W	90.4	186.7	3.232	-28.00	67.7	SO312	.03070	8.0964	1.2	V
9006	55936.30	11 26N	72 14W	85.4	186.6	3.439	-19.25	67.6	SO312	.03070	8.5668	1.4	V
9007	55947.50	10 36N	71 43W	83.9	186.6	3.232	7.35	67.6	SO312	.04070	8.7153	0.8	V
9008	55955.90	10 19N	72 28W	87.4	186.6	3.587	-20.30	66.9	SO312	.03070	8.2779	0.8	A
9009	55962.50	9 52N	72 33W	87.7	186.6	3.587	-20.30	66.6	SO312	.03070	8.2532	0.6	A
9010	55976.50	8 41N	72 43W	86.6	186.6	3.439	-18.90	65.8	SO312	.03070	8.4347	1.2	V
9011	55983.30	7 58N	72 30W	84.5	186.6	3.439	-6.30	65.5	SO312	.03070	8.5503	1.0	F
9012	55990.30	7 54N	72 26W	84.8	186.6	3.439	-1.40	65.6	SO312	.03070	8.4925	1.4	A
9013	55998.90	7 9N	73 7W	89.4	186.6	3.439	-23.80	64.6	SO312	.03070	8.1706	0.4	V
9014	56002.10	7 10N	73 11W	91.6	186.6	3.439	-25.55	64.6	SO312	.03070	7.8900	1.4	A
9015	56014.90	5 49N	73 6W	86.1	186.5	3.439	-14.70	63.8	SO312	.03070	8.3852	1.2	F
9016	56026.90	5 20N	72 20W	93.1	186.5	2.881	19.25	64.1	SO312	.02200	7.7002	0.6	A
9017	56039.10	4 10N	73 39W	92.4	186.5	3.439	-23.80	62.4	SO312	.03070	7.7993	0.4	F
9018	56042.90	4 7N	73 33W	89.3	186.5	3.439	-19.60	62.4	SO312	.03070	8.1789	1.0	V
9019	56046.30	4 7N	73 33W	90.4	186.5	3.439	-19.25	62.4	SO312	.03070	7.9891	0.8	A
9020	56101.50	0 8S	74 14W	92.1	186.5	3.587	-18.20	59.0	SO312	.03070	7.8075	0.8	F
9021	56110.10	0 10S	74 46W	104.3	186.5	3.439	-33.95	58.7	SO312	.02200	6.9162	1.4	A
9022	56134.50	2 3S	73 8W	112.1	186.5	2.390	33.25	58.4	SO312	.02200	6.3550	1.0	A
9023	56271.90	11 46S	77 9W	122.4	186.6	2.881	-39.90	48.5	SO312	.02200	5.8268	0.6	F
9024	56279.90	12 1S	77 8W	118.2	186.7	3.232	-38.15	48.3	SO312	.03070	6.1239	0.6	V
9025	56284.30	12 1S	77 9W	119.6	186.7	3.439	-38.15	48.3	SO312	.03070	6.0084	0.6	A
1366 5001	60792.30	42 14N	87 50W	75.6	188.8	2.530	-15.05	66.3	SO312	.02210	9.7066	7.8	V
9001	60792.30	42 14N	87 50W	75.6	188.8	2.530	-15.05	66.3	SO312	.02200	9.7057	7.8	V
1372 9001	6073.89	53 35N	143 6E	75.8	191.0	2.181	-12.60	57.4	SO312	.04070	9.5654	0.4	F
9002	6076.69	53 35N	143 6E	74.8	191.0	2.181	-12.25	57.4	SO312	.04070	9.8130	0.4	V
9003	6094.69	52 14N	141 39E	89.1	190.7	1.690	-34.65	58.3	SO312	.02200	8.1129	0.4	F
9004	6097.69	52 15N	141 39E	87.7	190.6	1.690	-34.30	58.3	SO312	.02200	8.3687	0.4	V
9005	6104.49	51 46N	141 41E	84.0	190.5	1.826	-30.45	58.7	SO312	.03070	8.7236	0.8	V
9006	6107.49	51 46N	141 41E	84.8	190.5	2.037	-30.45	58.7	SO312	.03070	8.5833	1.0	A
9007	6130.69	49 46N	142 52E	79.3	190.1	2.181	19.60	60.9	SO312	.02200	9.2765	0.8	V
9008	6133.69	49 46N	142 52E	80.4	190.1	2.181	19.95	60.9	SO312	.02200	9.0207	0.8	A
9009	6163.09	47 46N	142 4E	78.7	189.7	2.390	16.45	62.5	SO312	.02200	9.2105	0.4	A
9010	6172.69	46 43N	141 52E	80.4	189.6	2.390	19.60	63.3	SO312	.03070	9.0620	0.8	F
9011	6178.49	46 43N	141 52E	80.8	189.5	2.390	20.30	63.3	SO312	.03070	8.9629	0.8	A
1373 9001	11234.29	63 42N	125 32E	79.1	194.8	1.338	-18.20	48.3	SO312	.04070	9.1610	0.8	F
9002	11239.89	63 42N	125 32E	78.8	194.6	1.484	-17.85	48.3	SO312	.04070	9.2188	0.8	A
9003	11481.49	47 8N	120 15E	87.0	189.6	2.037	29.75	63.1	SO312	.02200	8.3192	0.4	A
9004	11550.69	42 11N	118 51E	89.5	188.8	2.181	32.20	66.9	SO312	.02200	8.2284	0.8	V
9005	11553.89	42 12N	118 52E	91.0	188.8	2.181	32.55	66.9	SO312	.02200	7.9561	0.8	A
9006	11565.89	41 5N	117 31E	74.6	188.7	2.738	0.70	67.2	SO312	.02200	9.7387	0.6	F
9007	11572.49	40 59N	117 44E	76.6	188.6	2.738	9.80	67.4	SO312	.03070	9.4499	0.8	A
9008	11579.69	40 13N	118 12E	87.0	188.5	2.530	29.05	68.2	SO312	.03070	8.4512	0.4	V
9009	11582.89	40 13N	118 12E	88.4	188.5	2.181	29.75	68.3	SO312	.03070	8.1789	0.4	A
9010	11587.29	39 41N	118 9E	89.7	188.5	2.181	31.85	68.6	SO312	.02200	8.1954	0.8	V
9011	11590.49	39 41N	118 9E	91.2	188.5	2.181	32.20	68.7	SO312	.02200	7.9313	0.8	A
9012	11693.89	32 23N	116 17E	89.5	187.7	2.390	30.10	72.5	SO312	.02200	8.2037	1.0	V
9013	11704.09	31 40N	116 17E	94.0	187.7	2.390	33.95	72.9	SO312	.02200	7.8075	0.8	V
9014	11720.09	30 33N	114 17E	83.6	187.6	2.881	-26.60	71.9	SO312	.03070	8.6411	0.4	F
9015	11722.89	30 34N	114 17E	82.5	187.6	2.881	-26.25	71.9	SO312	.04070	8.8887	0.6	V
9016	11726.09	30 33N	114 18E	83.2	187.5	3.092	-25.90	71.9	SO312	.03070	8.7401	0.4	A
9017	11825.49	23 15N	113 27E	78.0	187.1	3.232	-3.50	72.9	SO312	.03070	9.2931	0.8	F
9018	11827.49	23 6N	113 25E	78.4	187.1	3.232	-3.50	72.9	SO312	.04070	9.2435	0.6	F
9019	11833.09	23 6N	113 25E	78.6	187.1	3.232	-2.45	72.9	SO312	.04070	9.2105	0.6	A
9020	11839.09	22 42N	113 14E	78.9	187.1	3.232	-6.65	72.8	SO312	.03070	9.1775	0.4	A
9021	11849.69	21 37N	112 33E	85.5	187.0	3.092	-25.55	72.1	SO312	.03070	8.4430	0.6	F
9022	11855.89	21 37N	112 34E	85.0	187.0	3.232	-24.50	72.1	SO312	.03070	8.5255	0.4	A
9023	12268.29	6 31S	106 46E	123.2	186.6	3.232	-42.70	53.1	SO312	.01650	5.8268	0.6	A
1374 9001	16645.29	56 39N	101 20E	79.4	192.0	2.037	17.85	54.9	SO312	.03070	9.1693	1.2	F
9002	16651.09	56 38N	101 21E	79.8	191.8	1.826	18.90	54.9	SO312	.03070	9.1032	1.0	A
9003	16943.89	36 39N	95 3E	85.1	188.1	2.390	26.95	70.4	SO312	.03070	8.4925	0.6	A
1375 9001	21764.89	69 24N	88 7E	80.1	198.8	1.338	17.50	43.0	SO312	.04070	9.1693	0.4	V
9002	21767.89	69 23N	88 7E	81.1	198.7	1.135	17.85	43.0	SO312	.04070	8.9547	0.4	A
9003	22102.49	46 39N	74 32E	74.8	189.5	2.390	-9.45	63.0	SO312	.03070	9.6974	0.6	F
9004	22105.09	46 39N	74 32E	73.9	189.5	2.390	-9.10	63.0	SO312	.03070	9.9368	0.6	V
9005	22114.09	45 55N	73 32E	85.3	189.4	2.037	-31.15	63.3	SO312	.03070	8.4760	1.0	F
9006	22117.09	45 55N	73 32E	84.0	189.3	2.037	-30.80	63.3	SO312	.03070	8.7401	1.2	V
9007	22121.09	45 50N	73 34E	83.9	189.3	2.037	-29.40	63.4	SO312	.03070	8.6741	0.6	A
9008	22148.09	43 20N	74 57E	89.6	189.0	2.390	31.50	66.1	SO312	.02200	8.1376	0.4	F
9009	22151.09	43 21N	74 57E	89.1	189.0	2.181	32.20	66.1	SO312	.02200	8.2614	0.6	V
9010	22157.89	42 55N	74 33E	82.8	188.9	2.390	24.85	66.3	SO312	.02200	8.8721	0.6	V
9011	22160.89	42 55N	74 32E	84.0	188.9	2.181	25.20	66.3	SO312	.02200	8.6328	0.6	A
9012	22177.69	41 43N	72 49E	76.4	188.7	2.530	-20.30	66.5	SO312	.03070	9.6232	0.4	V
9013	22184.09	41 26N	72 60E	74.1	188.7	2.738	-11.90	66.8	SO312	.03070	9.8047	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1375 9014	22188.09	40 57N	73 1E	73.8	188.6	2.738	-7.35	67.2	S0312	.03070	9.9615	0.4	V
9015	22195.49	40 43N	72 24E	80.5	188.6	2.530	-24.85	67.1	S0312	.03070	9.0455	0.4	A
9016	22285.89	33 54N	72 25E	89.9	187.9	2.530	29.75	71.9	S0312	.02200	8.1211	0.8	F
9017	22288.89	33 55N	72 25E	89.2	187.9	2.530	30.10	71.9	S0312	.02200	8.2367	1.0	V
9018	22290.49	33 48N	72 23E	89.2	187.8	2.530	30.10	71.9	S0312	.02200	8.2449	0.8	V
9019	22293.69	33 49N	72 24E	90.7	187.8	2.530	30.45	71.9	S0312	.02200	7.9726	0.8	A
9020	22344.29	30 2N	70 36E	76.6	187.5	3.092	-3.15	72.5	S0312	.02200	9.4746	1.0	F
9021	22349.89	30 1N	70 36E	76.7	187.5	3.092	-2.10	72.6	S0312	.02200	9.4416	0.8	A
1376 9001	27102.49	67 19N	63 31E	77.9	197.2	1.484	10.85	45.0	S0312	.04070	9.3178	0.8	F
9002	27108.09	67 19N	63 31E	78.0	197.0	1.484	11.20	45.0	S0312	.04070	9.3096	0.8	A
9003	27218.89	59 43N	56 41E	81.6	193.0	1.484	-24.50	51.9	S0312	.03070	8.8639	0.6	F
9004	27224.29	59 31N	56 56E	76.8	192.8	1.690	-17.15	52.1	S0312	.03070	9.5571	0.6	V
9005	27227.09	59 31N	56 56E	77.7	192.8	1.690	-17.15	52.1	S0312	.03070	9.3508	0.6	A
9006	27245.89	57 52N	56 15E	77.1	192.3	1.826	-15.75	53.6	S0312	.04070	9.4003	1.6	F
9007	27248.09	57 43N	56 11E	77.0	192.3	1.826	-15.75	53.7	S0312	.04070	9.4086	0.4	F
9008	27255.29	57 18N	56 59E	75.0	192.1	2.037	8.05	54.3	S0312	.04070	9.7965	0.4	V
9009	27258.09	57 18N	56 59E	76.0	192.0	2.037	8.40	54.3	S0312	.04070	9.5489	0.4	A
9010	27281.29	55 49N	55 25E	76.2	191.5	2.037	-13.65	55.4	S0312	.03070	9.5406	0.4	A
9011	27304.29	53 44N	55 59E	81.2	191.1	2.181	21.00	57.5	S0312	.03070	8.9712	0.8	F
9012	27307.09	53 44N	55 59E	80.5	191.0	2.181	21.35	57.5	S0312	.03070	9.1445	0.8	V
9013	27311.49	53 26N	55 54E	81.1	191.0	2.181	22.40	57.8	S0312	.03070	9.0702	0.6	V
9014	27317.49	52 48N	55 48E	84.1	190.9	2.181	25.20	58.3	S0312	.03070	8.6741	0.6	F
9015	27323.49	52 48N	55 48E	84.6	190.8	1.826	26.25	58.3	S0312	.03070	8.5750	0.6	A
9016	27331.89	51 52N	55 9E	79.9	190.6	2.181	18.90	59.1	S0312	.03070	9.1197	1.2	F
9017	27335.29	51 50N	55 8E	79.2	190.6	2.181	19.25	59.1	S0312	.03070	9.2931	0.6	V
9018	27339.49	51 33N	54 57E	78.1	190.5	2.181	17.15	59.3	S0312	.03070	9.4251	0.4	V
9019	27342.29	51 33N	54 57E	79.2	190.5	2.181	17.50	59.3	S0312	.03070	9.1610	0.6	A
9020	27386.49	48 10N	53 42E	78.0	189.8	2.390	14.70	62.1	S0312	.03070	9.3343	0.6	F
9021	27392.09	48 10N	53 42E	78.4	189.7	2.181	15.75	62.1	S0312	.03070	9.2518	0.6	A
9022	27431.29	45 25N	51 46E	76.5	189.3	2.390	-17.85	63.9	S0312	.03070	9.5984	0.4	V
9023	27500.69	40 29N	50 12E	81.8	188.6	2.390	-25.90	67.2	S0312	.03070	8.8391	0.4	F
9024	27505.29	40 25N	49 49E	88.5	188.5	2.181	-35.00	67.1	S0312	.03070	8.2779	0.6	V
9025	27508.49	40 25N	49 49E	89.3	188.5	2.390	-35.00	67.1	S0312	.03070	8.1459	0.6	A
9026	27587.29	34 49N	48 8E	100.7	187.9	2.181	-44.45	69.8	S0312	.02200	7.2628	0.8	V
9027	27591.09	34 49N	48 8E	101.6	187.9	2.390	-44.45	69.9	S0312	.02200	7.1638	0.8	A
9028	27650.49	30 21N	48 17E	76.9	187.5	3.092	-12.95	72.2	S0312	.04070	9.5406	0.4	V
9029	27653.29	30 21N	48 17E	77.8	187.5	3.092	-12.60	72.2	S0312	.04070	9.3261	0.4	A
9030	27665.49	29 22N	47 39E	83.8	187.5	2.881	-27.65	72.1	S0312	.03070	8.7401	0.4	V
9031	27668.49	29 22N	47 39E	84.6	187.5	2.881	-27.30	72.1	S0312	.03070	8.5750	0.6	A
9032	27730.29	24 42N	46 44E	86.2	187.2	2.881	-27.65	72.5	S0312	.03070	8.3687	1.2	F
9033	27733.49	24 41N	46 44E	84.7	187.2	2.881	-27.30	72.5	S0312	.03070	8.6411	0.6	V
9034	27736.49	24 42N	46 44E	85.7	187.2	3.092	-26.95	72.5	S0312	.03070	8.4678	1.0	A
9035	27880.29	14 20N	45 17E	81.5	186.7	3.439	-9.80	69.6	S0312	.03070	8.8804	1.2	F
9036	27886.09	14 20N	45 17E	81.6	186.7	3.439	-8.75	69.6	S0312	.03070	8.8556	1.2	A
9037	27894.49	13 24N	44 29E	93.9	186.7	3.092	-31.85	68.5	S0312	.02200	7.6672	1.0	F
9038	27897.89	13 23N	44 29E	92.6	186.7	3.092	-31.50	68.5	S0312	.02200	7.8900	0.8	V
9039	27905.89	12 47N	44 51E	83.6	186.7	3.439	-14.70	68.6	S0312	.03070	8.7484	0.6	V
9040	27908.89	12 48N	44 51E	84.6	186.7	3.439	-14.35	68.6	S0312	.03070	8.5503	0.6	A
9041	27949.69	9 35N	44 6E	88.5	186.6	3.439	-22.40	66.4	S0312	.03070	8.1459	0.8	F
9042	27956.09	9 35N	44 6E	88.2	186.6	3.587	-21.35	66.4	S0312	.03070	8.1871	0.8	A
9043	27972.49	8 16N	43 34E	95.2	186.6	3.232	-31.50	65.2	S0312	.01650	7.6590	0.8	V
9044	27976.09	8 15N	43 34E	96.0	186.6	3.439	-31.15	65.2	S0312	.01650	7.5352	0.8	A
9045	28045.89	3 6N	43 44E	88.8	186.5	3.232	8.40	62.2	S0312	.03070	8.2119	0.6	V
9046	28049.09	3 7N	43 44E	90.1	186.5	3.232	8.75	62.2	S0312	.03070	7.9643	0.6	A
9047	28093.69	0 20S	42 34E	91.5	186.5	3.587	-14.00	59.0	S0312	.03070	7.8653	1.0	F
9048	28100.29	0 20S	42 34E	91.6	186.5	3.587	-12.95	59.0	S0312	.03070	7.8488	1.0	A
9049	28238.89	10 15S	40 12E	110.7	186.6	3.232	-31.85	50.1	S0312	.03070	6.4540	0.6	F
9050	28242.89	10 15S	40 13E	108.9	186.6	3.232	-31.15	50.1	S0312	.03070	6.6521	0.6	V
9051	28314.29	15 6S	39 15E	113.6	186.8	3.232	-31.85	45.7	S0312	.03070	6.3632	0.8	V
9052	28318.49	15 6S	39 16E	114.7	186.8	3.439	-31.50	45.7	S0312	.03070	6.2559	0.8	A
1377 5001	32647.09	51 16N	33 10E	85.4	190.5	2.181	26.95	59.7	S0312	.03080	8.5428	0.8	F
5002	32650.09	51 16N	33 10E	84.7	190.4	2.181	27.30	59.7	S0312	.03080	8.6914	0.8	V
9001	32403.69	67 51N	40 33E	77.2	197.5	1.338	-10.85	44.4	S0312	.04070	9.3838	0.8	F
9002	32406.49	67 50N	40 33E	76.2	197.4	1.338	-10.50	44.4	S0312	.04070	9.6314	0.8	V
9003	32410.49	67 45N	40 33E	76.7	197.2	1.338	-9.10	44.5	S0312	.04070	9.4664	0.4	A
9004	32449.49	64 41N	39 14E	77.1	195.5	1.690	9.45	47.5	S0312	.04070	9.4168	1.0	F
9005	32454.89	64 42N	39 14E	77.2	195.3	1.690	9.80	47.5	S0312	.04070	9.4003	1.2	A
9006	32545.69	58 23N	33 56E	81.7	192.5	1.690	-25.20	53.0	S0312	.03070	8.8639	0.4	F
9007	32550.69	58 3N	33 44E	82.3	192.4	1.690	-26.25	53.3	S0312	.03070	8.7979	1.4	F
9008	32553.09	57 53N	33 39E	82.3	192.3	1.690	-26.25	53.5	S0312	.03070	8.7979	0.6	F
9009	32555.89	57 54N	33 40E	81.1	192.2	1.690	-25.90	53.5	S0312	.03070	9.0537	0.6	V
9010	32557.89	57 46N	33 36E	81.0	192.2	1.690	-25.90	53.6	S0312	.03070	9.0620	0.4	V
9011	32562.69	57 28N	33 12E	85.0	192.1	1.690	-31.15	53.8	S0312	.03070	8.6411	0.4	V
9012	32565.89	57 27N	33 12E	85.6	192.0	1.690	-30.80	53.8	S0312	.03070	8.5008	0.4	A
9013	32585.69	55 38N	34 56E	84.0	191.6	1.826	26.60	55.9	S0312	.03070	8.7566	0.6	V
9014	32612.09	53 52N	32 15E	79.3	191.1	1.826	-21.70	57.0	S0312	.03070	9.1280	0.4	F
9015	32617.09	53 45N	31 51E	83.2	191.0	1.826	-29.40	57.0	S0312	.03070	8.8144	0.4	V
9016	32620.09	53 45N	31 51E	84.0	190.9	2.037	-29.40	57.0	S0312	.03070	8.6658	0.4	A
9017	32627.69	52 46N	32 16E	75.4	190.8	2.181	-11.20	58.0	S0312	.03070	9.6232	0.6	F
9018	32630.49	52 46N	32 16E	74.4	190.8	2.181	-10.85	58.0	S0312	.04070	9.8708	0.4	V
9019	32640.29	51 55N	33 29E	85.8	190.6	2.037	28.70	59.1	S0312	.03070	8.5585	1.0	V
9020	32660.69	50 37N	32 16E	75.5	190.3	2.181	10.85	60.0	S0312	.03070	9.7387	0.6	V
9021	32663.49	50 37N	32 16E	76.5	190.2	2.181	11.20	60.0	S0312	.03070	9.4829	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1377 9022	32675.49	49 46N	30 30E	83.2	190.1	2.037	-29.75	60.3	SO312	.03070	8.8226	0.6	V
9023	32678.49	49 46N	30 30E	83.9	190.0	2.037	-29.40	60.3	SO312	.03070	8.6741	0.6	A
9024	32684.29	49 5N	30 53E	75.2	189.9	2.181	-14.35	61.0	SO312	.03070	9.7635	0.4	V
9025	32693.09	48 13N	31 33E	77.4	189.8	2.390	13.65	62.0	SO312	.03070	9.4003	0.4	F
9026	32694.09	48 9N	31 32E	77.4	189.8	2.390	13.65	62.1	SO312	.03070	9.3921	1.2	F
9027	32697.69	48 5N	31 31E	76.7	189.8	2.390	14.00	62.1	SO312	.03070	9.5819	0.4	V
9028	32701.69	47 50N	31 14E	74.9	189.7	2.390	8.40	62.3	SO312	.03070	9.8130	0.6	V
9029	32708.89	47 11N	30 49E	74.6	189.6	2.530	1.05	62.7	SO312	.03070	9.7470	0.6	F
9030	32711.69	47 11N	30 48E	73.7	189.6	2.530	1.40	62.7	SO312	.03070	9.9698	0.6	V
9031	32715.49	46 55N	30 43E	73.7	189.5	2.530	1.05	62.9	SO312	.03070	9.9698	0.8	V
9032	32719.09	46 29N	30 39E	74.8	189.5	2.530	2.80	63.3	SO312	.03070	9.7222	0.6	F
9033	32729.29	46 6N	29 18E	85.7	189.4	2.037	-32.55	63.1	SO312	.03070	8.5668	0.6	V
9034	32732.49	46 6N	29 18E	86.4	189.3	2.037	-32.20	63.1	SO312	.03070	8.4265	0.6	A
9035	32801.29	41 10N	27 56E	87.6	188.6	2.181	-34.30	66.6	SO312	.03070	8.3687	0.6	V
9036	32804.49	41 10N	27 55E	88.4	188.6	2.390	-34.30	66.6	SO312	.03070	8.2367	0.6	A
9037	32862.89	36 54N	27 18E	79.9	188.1	2.530	-23.45	69.4	SO312	.04070	9.1775	0.4	V
1378 9001	37908.49	54 17N	12 27E	88.8	191.3	2.037	30.45	57.1	SO312	.03070	8.2037	0.6	F
9002	37911.69	54 17N	12 28E	88.3	191.2	1.826	31.15	57.1	SO312	.03070	8.3440	0.6	V
9003	37916.49	54 0N	11 59E	82.1	191.1	2.037	23.80	57.3	SO312	.03070	8.9547	0.4	V
9004	37919.49	54 0N	11 59E	83.1	191.1	1.826	24.15	57.3	SO312	.03070	8.7236	0.6	A
9005	37923.89	53 29N	11 51E	83.3	191.0	2.037	25.55	57.7	SO312	.03070	8.8226	1.2	V
9006	37927.69	53 26N	11 51E	84.7	190.9	1.826	26.25	57.8	SO312	.03070	8.5668	0.6	A
9007	37932.49	52 39N	11 49E	89.8	190.8	2.037	31.50	58.5	SO312	.03070	8.1211	0.6	F
9008	37935.69	52 39N	11 50E	89.3	190.8	1.826	32.20	58.5	SO312	.03070	8.2532	0.6	V
9009	37939.89	52 9N	11 36E	89.4	190.7	2.037	31.15	58.9	SO312	.03070	8.1541	0.6	F
9010	37943.09	52 9N	11 37E	88.9	190.7	1.826	31.85	58.9	SO312	.03070	8.2862	0.6	V
9011	37947.09	51 53N	11 27E	87.7	190.6	1.826	30.80	59.2	SO312	.03070	8.4017	1.0	V
9012	37950.29	51 53N	11 26E	88.7	190.5	1.826	30.80	59.2	SO312	.03070	8.1706	1.0	A
9013	37955.09	51 9N	11 2E	85.9	190.5	2.037	27.65	59.8	SO312	.03070	8.4843	1.0	F
9014	37961.29	51 9N	11 2E	86.4	190.4	1.826	28.35	59.8	SO312	.03070	8.3935	1.0	A
9015	37967.29	50 35N	10 22E	77.7	190.3	2.037	17.15	60.1	SO312	.03070	9.4581	0.6	V
9016	37970.09	50 35N	10 22E	78.8	190.2	2.037	17.50	60.1	SO312	.03070	9.1940	0.8	A
9017	37988.09	49 8N	8 26E	80.3	190.0	2.181	-24.15	60.9	SO312	.03070	9.0124	0.8	F
9018	37993.69	49 8N	8 27E	79.9	189.9	2.181	-23.45	60.9	SO312	.03070	9.0950	1.0	A
9019	38067.69	43 42N	6 24E	89.9	189.0	2.037	-36.05	64.8	SO312	.03070	8.0386	1.0	F
9020	38074.09	43 42N	6 25E	89.0	189.0	2.181	-35.35	64.8	SO312	.03070	8.1624	1.0	A
9021	38080.29	43 5N	5 58E	96.5	188.9	2.037	-41.65	65.1	SO312	.01650	7.6012	0.4	V
9022	38083.89	43 5N	5 58E	97.1	188.9	2.037	-41.30	65.1	SO312	.01650	7.4939	0.4	A
9023	38168.09	36 48N	5 6E	82.3	188.1	2.530	-25.90	69.4	SO312	.04070	8.7814	1.0	F
9024	38171.09	36 47N	5 6E	81.1	188.1	2.530	-25.55	69.4	SO312	.04070	9.0372	1.0	V
9025	38197.89	34 49N	5 45E	77.8	187.9	2.738	12.95	71.1	SO312	.01650	9.4416	0.8	V
9026	38200.89	34 49N	5 44E	78.8	187.9	2.738	13.30	71.1	SO312	.01650	9.1775	0.6	A
1380 9001	49542.09	15 45S	47 55W	102.5	186.8	3.232	9.80	45.8	SO312	.03070	7.0070	0.6	F
9002	49549.89	15 41S	48 40W	102.2	186.8	3.587	-14.35	45.5	SO312	.03070	6.9987	0.8	A
9003	49621.89	21 19S	48 6W	126.6	187.0	2.390	31.50	41.1	SO312	.03070	5.6700	0.8	F
9004	49627.29	21 21S	48 17W	120.6	187.0	2.390	28.00	40.9	SO312	.03070	5.9753	1.4	V
9005	49633.49	21 49S	47 53W	136.8	187.0	1.826	38.15	40.7	SO312	.02200	5.2738	1.4	V
9006	49638.49	22 9S	48 1W	134.7	187.0	2.037	36.75	40.4	SO312	.02200	5.3481	1.0	V
9007	49647.29	22 43S	48 32W	121.8	187.1	2.390	28.00	39.7	SO312	.03070	5.9176	1.4	V
9008	49654.69	22 52S	49 5W	111.8	187.1	2.738	15.05	39.3	SO312	.03070	6.3302	0.8	A
9009	49660.09	23 15S	48 48W	119.8	187.1	2.530	24.15	39.1	SO312	.03070	5.9011	1.0	A
9010	49695.29	25 21S	51 30W	129.8	187.2	3.439	-36.40	36.1	SO312	.03070	5.4884	1.0	A
9011	49752.49	29 58S	51 9W	111.9	187.5	3.092	-3.85	32.3	SO312	.03070	6.3632	0.8	F
9012	49755.69	29 55S	51 8W	110.9	187.5	3.092	-3.50	32.4	SO312	.03070	6.4788	0.8	V
9013	49759.89	29 55S	51 9W	112.6	187.5	3.092	-3.15	32.4	SO312	.03070	6.2890	0.8	A
1381 9001	54356.89	18 23N	64 57W	87.0	186.9	3.232	-25.55	71.1	SO312	.03070	8.3192	1.2	A
9002	54451.89	11 52N	66 10W	90.7	186.6	3.439	-26.60	67.7	SO312	.03070	7.9726	1.4	A
9003	54482.09	9 17N	65 59W	84.1	186.6	3.439	-2.45	66.6	SO312	.03070	8.5915	1.6	F
9004	54489.49	9 14N	66 18W	85.8	186.6	3.587	-14.00	66.3	SO312	.03070	8.4017	0.8	A
9005	54508.29	7 41N	66 9W	84.5	186.6	3.439	2.10	65.5	SO312	.03070	8.6246	1.4	V
9006	54805.29	12 14S	70 51W	115.7	186.7	3.439	-35.00	48.3	SO312	.02200	6.1982	1.6	A
9007	54875.09	17 38S	70 52W	101.7	186.8	3.439	-6.30	43.9	SO312	.03070	7.0400	1.0	F
9008	54885.29	17 53S	70 9W	109.6	186.9	2.738	18.55	44.0	SO312	.01650	6.4705	0.6	A
9009	54891.69	18 19S	70 19W	108.7	186.9	2.881	15.75	43.6	SO312	.03070	6.5365	1.2	A
9010	54910.29	20 12S	70 10W	121.0	186.9	2.530	28.00	42.0	SO312	.03070	5.9423	0.6	F
9011	54914.29	20 11S	70 8W	121.3	186.9	2.530	29.05	42.1	SO312	.03070	5.9588	1.2	V
1383 5001	64667.69	38 19N	104 29W	74.5	188.3	2.738	-7.70	68.8	SO312	.02210	9.7397	0.6	F
5002	64673.09	38 19N	104 29W	74.5	188.3	2.881	-7.00	68.8	SO312	.02210	9.7479	0.6	A
5003	64706.09	35 41N	105 8W	74.6	188.0	2.881	-8.40	70.2	SO312	.02210	9.7314	0.8	F
5004	64711.49	35 41N	105 8W	74.7	188.0	2.881	-7.70	70.2	SO312	.02210	9.7397	0.6	A
9001	64667.69	38 19N	104 29W	74.5	188.3	2.738	-7.70	68.8	SO312	.02200	9.7387	0.6	F
9002	64673.09	38 18N	104 29W	74.5	188.3	2.881	-7.00	68.8	SO312	.02200	9.7470	0.6	A
9003	64706.09	35 41N	105 8W	74.6	188.0	2.881	-8.40	70.2	SO312	.02200	9.7305	0.6	F
9004	64711.49	35 40N	105 8W	74.6	188.0	2.881	-7.70	70.2	SO312	.02200	9.7387	0.6	A
1384 9001	70851.49	21 49S	138 46W	115.5	187.0	3.232	-28.70	39.6	SO312	.03070	6.2394	1.2	V
9002	70855.89	21 49S	138 46W	116.7	187.0	3.439	-28.35	39.6	SO312	.03070	6.1239	1.2	A
1387 9001	85507.49	64 44N	177 29E	75.3	195.4	1.484	-3.85	47.3	SO312	.04070	9.7470	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1387 9002	85541.69	62 33N	176 57E	78.7	194.1	1.690	14.00	49.4	SO312	.03070	9.2105	0.8	A
1389 9001	9912.68	51 51N	128 10E	86.9	190.6	2.181	28.35	59.1	SO312	.03070	8.4017	1.4	F
9002	9916.68	51 47N	128 9E	86.2	190.6	2.181	28.70	59.1	SO312	.03070	8.5420	0.4	V
9003	9921.09	51 16N	128 1E	88.2	190.5	2.181	29.75	59.6	SO312	.03070	8.2697	0.8	F
9004	9925.29	51 25N	128 5E	88.9	190.4	1.826	30.80	59.5	SO312	.03070	8.1541	0.4	A
9005	9927.29	51 17N	128 1E	88.9	190.4	1.826	30.80	59.6	SO312	.03070	8.1541	0.8	A
9006	9934.29	50 23N	127 37E	86.8	190.3	2.037	28.35	60.3	SO312	.03070	8.4017	0.6	F
9007	9935.48	50 18N	127 35E	86.8	190.3	2.037	28.35	60.4	SO312	.03070	8.4017	0.8	F
9008	9938.69	50 18N	127 35E	86.1	190.2	2.037	28.70	60.4	SO312	.04070	8.5420	0.6	V
9009	9942.08	50 17N	127 29E	85.5	190.2	2.037	26.95	60.4	SO312	.02200	8.4678	0.4	A
9010	9945.09	49 52N	127 20E	84.4	190.1	2.037	26.95	60.7	SO312	.02200	8.7071	0.6	V
9011	9948.09	49 53N	127 21E	85.7	190.1	2.037	27.30	60.7	SO312	.02200	8.4430	0.6	A
9012	10031.48	43 48N	125 11E	81.7	189.1	2.530	21.35	65.5	SO312	.02200	8.9217	0.6	F
9013	10034.68	43 47N	125 12E	81.5	189.0	2.530	22.40	65.5	SO312	.03070	9.0290	0.4	V
9014	10041.89	43 12N	124 18E	74.6	189.0	2.738	-0.70	65.6	SO312	.02200	9.7305	0.6	F
9015	10047.29	43 11N	124 18E	74.7	188.9	2.738	0.00	65.6	SO312	.02200	9.7140	0.8	A
9016	10061.29	41 55N	123 27E	77.3	188.8	2.530	-17.15	66.3	SO312	.03070	9.3673	1.0	F
9017	10062.89	41 48N	123 26E	77.3	188.8	2.530	-17.15	66.4	SO312	.03070	9.3673	0.4	F
9018	10066.88	41 54N	123 27E	77.2	188.7	2.738	-16.80	66.3	SO312	.03070	9.4251	1.0	A
9019	10073.08	41 8N	122 52E	83.6	188.7	2.530	-28.70	66.6	SO312	.02200	8.6411	0.6	F
9020	10079.09	41 7N	122 52E	83.1	188.6	2.530	-28.00	66.7	SO312	.02200	8.7401	0.6	A
9021	10085.29	40 16N	123 3E	77.1	188.6	2.738	-16.80	67.4	SO312	.03070	9.4003	0.4	F
9022	10087.89	40 16N	123 3E	76.1	188.5	2.738	-16.45	67.4	SO312	.03070	9.6479	0.6	V
9023	10092.08	39 48N	122 58E	77.0	188.5	2.738	-15.75	67.7	SO312	.02200	9.4168	1.8	F
9024	10098.09	39 33N	122 60E	75.1	188.4	2.738	-12.25	67.9	SO312	.02200	9.7800	1.0	V
9025	10104.69	39 10N	122 21E	83.3	188.4	2.530	-29.40	67.9	SO312	.03070	8.7979	0.4	V
9026	10107.68	39 10N	122 21E	84.1	188.4	2.530	-29.05	67.9	SO312	.03070	8.6411	0.4	A
9027	10128.88	37 25N	122 41E	74.4	188.2	2.881	-5.25	69.3	SO312	.03070	9.8708	0.6	V
9028	10131.69	37 25N	122 40E	75.3	188.2	2.881	-4.90	69.3	SO312	.03070	9.6397	0.4	A
9029	10136.68	36 54N	122 23E	75.2	188.1	2.881	-11.20	69.5	SO312	.03070	9.7552	0.4	V
9030	10139.49	36 54N	122 23E	76.1	188.1	2.881	-10.85	69.5	SO312	.04070	9.5406	0.6	A
9031	10232.88	30 22N	120 15E	88.6	187.5	2.530	-33.60	71.7	SO312	.02200	8.2614	0.8	V
9032	10236.09	30 22N	120 15E	89.5	187.5	2.738	-33.60	71.7	SO312	.02200	8.1294	0.8	A
9033	10300.89	25 26N	119 38E	82.3	187.2	3.092	-22.40	72.6	SO312	.03070	8.7896	0.6	F
9034	10306.88	25 26N	119 38E	81.9	187.2	3.092	-21.35	72.6	SO312	.03070	8.8639	0.6	A
9035	10342.69	22 38N	120 16E	86.9	187.1	2.738	23.45	73.4	SO312	.03070	8.4347	0.4	V
9036	10345.89	22 38N	120 16E	88.3	187.0	2.738	23.80	73.5	SO312	.03070	8.1706	0.4	A
9037	10584.69	6 4N	116 33E	83.8	186.6	3.439	-3.15	64.3	SO312	.03070	8.7153	0.6	V
9038	10587.89	6 4N	116 33E	84.9	186.5	3.439	-2.45	64.3	SO312	.03070	8.4843	0.6	A
9039	10802.68	8 42S	115 11E	121.1	186.6	2.181	35.00	52.7	SO312	.01650	5.8763	1.4	A
1390 9001	15216.28	52 37N	104 33E	76.6	190.7	2.037	-17.50	58.0	SO312	.03070	9.5819	0.6	V
9002	15219.08	52 37N	104 33E	77.4	190.7	2.037	-17.15	58.0	SO312	.03070	9.3921	0.6	A
9003	15226.28	52 11N	103 59E	82.4	190.6	2.037	-27.30	58.3	SO312	.03070	8.8309	0.4	A
9004	15392.68	40 33N	100 59E	76.1	188.6	2.530	-17.15	67.2	SO312	.03070	9.6479	0.4	V
9005	15414.88	38 58N	101 8E	73.5	188.4	2.738	2.10	68.5	SO312	.03070	10.0028	0.6	V
9006	15417.68	38 58N	101 8E	74.4	188.4	2.738	2.45	68.5	SO312	.03070	9.7470	0.4	A
9007	15629.28	24 2N	97 55E	78.4	187.1	3.232	3.50	73.1	SO312	.03070	9.2683	1.0	F
9008	15637.48	23 29N	97 41E	77.9	187.1	3.232	-1.40	73.0	SO312	.03070	9.3096	1.0	F
9009	15643.08	23 7N	97 25E	78.6	187.1	3.232	-9.45	72.7	SO312	.03070	9.2105	1.0	F
9010	15650.48	23 2N	97 11E	80.3	187.1	3.232	-16.80	72.6	SO312	.03070	9.0207	0.8	A
9011	15655.68	22 39N	97 19E	78.8	187.0	3.232	-8.75	72.7	SO312	.03070	9.1858	0.8	A
1391 9001	20454.48	57 2N	85 40E	79.9	192.1	2.037	17.85	54.5	SO312	.03070	9.1115	0.6	F
9002	20460.28	56 43N	84 56E	75.3	192.0	2.037	4.20	54.6	SO312	.04070	9.6397	1.8	F
9003	20465.68	56 43N	84 56E	75.4	191.8	2.037	4.90	54.6	SO312	.04070	9.6232	1.8	A
9004	20482.88	55 18N	83 5E	82.0	191.5	1.826	-25.90	55.6	SO312	.03070	8.8144	0.4	F
9005	20485.08	55 9N	83 1E	82.0	191.4	1.826	-25.90	55.8	SO312	.03070	8.8144	1.4	F
9006	20487.48	54 59N	82 57E	82.1	191.4	1.826	-25.90	55.9	SO312	.03070	8.8061	0.4	F
9007	20491.88	55 5N	82 60E	81.6	191.3	2.037	-25.55	55.8	SO312	.03070	8.9134	0.6	A
9008	20493.28	54 59N	82 57E	81.7	191.3	2.037	-25.55	55.9	SO312	.03070	8.9052	0.6	A
9009	20510.48	53 20N	83 22E	74.7	191.0	2.181	0.35	57.6	SO312	.03070	9.7305	0.4	F
9010	20513.08	53 20N	83 22E	73.8	190.9	2.181	0.70	57.6	SO312	.03070	9.9533	0.4	V
9011	20518.48	52 44N	83 31E	76.5	190.8	2.181	10.50	58.1	SO312	.03070	9.5159	0.4	F
9012	20519.68	52 39N	83 29E	76.5	190.8	2.181	10.50	58.2	SO312	.03070	9.5159	0.6	F
9013	20522.48	52 39N	83 29E	75.7	190.8	2.181	10.85	58.2	SO312	.03070	9.7140	0.4	V
9014	20525.88	52 24N	83 29E	76.5	190.7	2.181	13.30	58.5	SO312	.03070	9.6067	0.4	V
9015	20528.68	52 24N	83 29E	77.6	190.7	2.181	13.65	58.5	SO312	.03070	9.3591	0.4	A
9016	20563.48	49 48N	81 13E	80.6	190.1	2.037	-24.50	60.3	SO312	.03070	8.9794	0.4	F
9017	20566.08	49 37N	81 9E	80.8	190.1	2.037	-24.85	60.4	SO312	.03070	8.9547	0.4	F
9018	20568.88	49 38N	81 8E	79.9	190.0	2.037	-24.85	60.4	SO312	.03070	9.1858	0.6	V
9019	20571.68	49 14N	81 1E	81.0	190.0	2.037	-25.20	60.7	SO312	.03070	8.9382	1.8	F
9020	20577.48	49 14N	81 1E	80.5	189.9	2.037	-24.50	60.7	SO312	.03070	9.0372	1.8	A
9021	20582.08	48 55N	80 57E	79.9	189.9	2.037	-23.45	61.0	SO312	.03070	9.1115	0.6	A
9022	20589.88	48 0N	80 27E	84.1	189.8	2.037	-29.75	61.6	SO312	.03070	8.5998	0.8	F
9023	20592.68	48 1N	80 27E	82.8	189.7	2.037	-29.40	61.6	SO312	.03070	8.8639	1.0	V
9024	20594.68	47 53N	80 25E	82.8	189.7	2.037	-29.40	61.7	SO312	.03070	8.8639	0.6	V
9025	20597.68	47 53N	80 25E	83.5	189.7	2.037	-29.05	61.7	SO312	.02200	8.7153	0.6	A
9026	20620.48	46 11N	80 58E	74.6	189.4	2.530	1.40	63.4	SO312	.03070	9.7305	0.6	A
9027	20823.08	32 13N	76 25E	87.4	187.7	2.530	-33.60	71.1	SO312	.02200	8.3852	0.8	V
9028	20826.28	32 13N	76 24E	88.2	187.7	2.738	-33.60	71.1	SO312	.02200	8.2449	0.8	A
9029	20831.68	31 24N	76 22E	86.3	187.6	2.530	-30.10	71.5	SO312	.02200	8.3605	1.0	F
9030	20834.88	31 24N	76 21E	85.1	187.6	2.738	-30.10	71.5	SO312	.02200	8.6163	0.8	V
9031	20843.28	30 45N	76 53E	75.7	187.6	3.092	-7.35	72.2	SO312	.02200	9.6974	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1391 9032	20846.08	30 45N	76 53E	76.6	187.6	3.092	-7.00	72.2	SO312	.02200	9.4664	0.6	A
9033	20870.68	28 35N	77 6E	82.4	187.4	2.881	17.85	73.2	SO312	.02200	8.8391	1.6	F
9034	20876.48	28 36N	77 6E	82.9	187.4	2.881	18.55	73.3	SO312	.02200	8.7236	1.8	A
9035	20928.28	24 54N	75 37E	77.6	187.2	3.232	-10.15	72.9	SO312	.03070	9.4499	0.6	V
9036	20931.28	24 54N	75 36E	78.5	187.2	3.232	-9.80	72.9	SO312	.03070	9.2270	0.4	A
1392 9001	25767.88	56 52N	61 20E	86.1	192.0	1.484	-30.80	54.2	SO312	.03070	8.3852	0.4	F
9002	25774.08	56 22N	62 0E	76.0	191.8	2.037	-12.25	54.8	SO312	.04070	9.5324	0.6	F
9003	25779.48	56 23N	62 0E	75.8	191.7	2.037	-11.55	54.8	SO312	.04070	9.5819	0.6	A
9004	25787.88	55 25N	61 50E	74.9	191.5	2.037	-6.30	55.7	SO312	.04070	9.6809	0.6	F
9005	25790.48	55 25N	61 50E	74.0	191.5	2.037	-5.95	55.7	SO312	.04070	9.9285	0.6	V
9006	25798.08	55 7N	61 31E	75.6	191.3	2.037	-10.85	55.9	SO312	.04070	9.6149	0.4	A
9007	25820.68	53 12N	60 50E	75.2	190.9	2.181	-9.80	57.6	SO312	.03070	9.6397	0.4	F
9008	25822.28	53 5N	60 48E	75.2	190.9	2.181	-9.80	57.7	SO312	.03070	9.6397	0.4	F
9009	25826.88	52 48N	60 22E	77.7	190.8	2.181	-18.55	57.8	SO312	.03070	9.3178	0.4	F
9010	25832.88	52 32N	60 40E	73.9	190.7	2.181	-7.35	58.2	SO312	.04070	9.9368	0.4	V
9011	25835.48	52 33N	60 40E	74.7	190.7	2.181	-7.00	58.2	SO312	.03070	9.7140	0.4	A
9012	25845.28	51 33N	59 59E	77.0	190.5	2.181	-16.80	58.9	SO312	.03070	9.4003	0.6	F
9013	25848.08	51 21N	59 54E	77.1	190.5	2.181	-17.15	59.1	SO312	.03070	9.3838	0.6	F
9014	25851.68	51 6N	59 52E	76.6	190.4	2.181	-15.75	59.3	SO312	.03070	9.4499	0.4	F
9015	25854.28	51 7N	59 52E	75.6	190.4	2.181	-15.40	59.3	SO312	.03070	9.7057	0.4	V
9016	25857.48	50 53N	59 52E	75.1	190.3	2.181	-13.65	59.5	SO312	.03070	9.7800	0.6	V
9017	25861.48	50 48N	59 55E	75.2	190.3	2.390	-10.85	59.6	SO312	.03070	9.6562	0.4	A
1393 9001	31052.08	58 10N	42 12E	82.3	192.5	2.037	22.05	53.5	SO312	.03070	8.8391	0.4	F
9002	31058.08	57 52N	41 15E	75.4	192.3	2.037	4.55	53.6	SO312	.04070	9.6314	0.4	F
9003	31060.68	57 52N	41 16E	74.6	192.3	2.037	4.90	53.6	SO312	.04070	9.8460	1.2	V
9004	31064.68	57 47N	41 8E	75.2	192.2	2.037	3.15	53.7	SO312	.04070	9.6562	0.4	A
9005	31065.68	57 43N	41 6E	75.2	192.2	2.037	3.15	53.7	SO312	.04070	9.6479	1.2	A
9006	31072.08	56 59N	40 15E	75.6	192.0	2.037	-10.15	54.3	SO312	.04070	9.5902	0.6	F
9007	31073.68	56 52N	40 12E	75.6	192.0	2.037	-10.15	54.4	SO312	.04070	9.5902	0.6	F
9008	31076.48	56 52N	40 12E	74.6	191.9	2.037	-9.80	54.4	SO312	.04070	9.8377	2.0	V
9009	31087.28	56 18N	38 19E	97.8	191.7	1.484	-42.00	54.6	SO312	.03070	7.5187	1.0	V
9010	31090.88	56 17N	38 20E	98.1	191.6	1.690	-41.65	54.6	SO312	.03070	7.4114	0.8	A
9011	31120.28	53 58N	38 11E	83.3	191.1	1.826	-29.40	56.7	SO312	.03070	8.7979	0.4	V
9012	31133.88	52 40N	39 28E	78.3	190.8	2.181	15.40	58.2	SO312	.03070	9.2931	1.0	F
9013	31139.68	52 40N	39 27E	78.5	190.7	2.181	15.75	58.2	SO312	.03070	9.2518	0.8	A
9014	31148.28	51 41N	39 12E	79.7	190.6	2.181	18.20	59.1	SO312	.03070	9.1445	0.6	F
9015	31151.08	51 41N	39 12E	78.9	190.5	2.181	18.55	59.1	SO312	.03070	9.3261	0.6	V
9016	31152.28	51 36N	39 10E	78.9	190.5	2.181	18.55	59.2	SO312	.03070	9.3261	0.6	V
9017	31155.08	51 36N	39 10E	79.8	190.5	2.181	18.55	59.2	SO312	.03070	9.0867	1.0	A
9018	31159.48	51 17N	39 13E	82.4	190.4	2.181	22.75	59.5	SO312	.03070	8.7979	0.4	A
9019	31175.28	50 26N	36 55E	85.1	190.2	2.037	-30.80	59.6	SO312	.03070	8.5338	1.0	A
9020	31180.68	49 52N	36 44E	84.2	190.1	2.037	-30.80	60.1	SO312	.03070	8.7071	0.6	V
9021	31183.68	49 52N	36 45E	84.9	190.0	2.037	-30.45	60.1	SO312	.03070	8.5668	0.6	A
9022	31194.28	48 56N	36 22E	86.0	189.9	2.037	-32.90	60.8	SO312	.03070	8.5255	0.6	V
9023	31197.48	48 56N	36 22E	86.7	189.9	2.037	-32.55	60.8	SO312	.03070	8.3852	0.6	A
9024	31208.68	47 36N	37 32E	76.9	189.7	2.390	11.55	62.4	SO312	.03070	9.4664	1.6	F
9025	31212.28	47 32N	37 31E	76.1	189.7	2.390	11.90	62.5	SO312	.03070	9.6644	0.8	V
9026	31217.48	47 10N	37 36E	78.6	189.6	2.390	17.50	62.8	SO312	.03070	9.3591	0.4	V
9027	31220.28	47 10N	37 35E	79.5	189.6	2.390	17.50	62.8	SO312	.03070	9.1197	0.4	A
9028	31242.28	45 25N	35 53E	77.9	189.3	2.390	-19.25	63.7	SO312	.03070	9.3013	1.0	F
9029	31247.88	45 3N	35 24E	84.1	189.2	2.181	-29.40	63.9	SO312	.03070	8.6081	0.6	F
9030	31250.88	45 3N	35 24E	82.9	189.2	2.181	-29.05	63.9	SO312	.03070	8.8391	0.6	V
9031	31254.28	45 1N	35 25E	83.2	189.2	2.390	-28.35	63.9	SO312	.03070	8.7401	0.4	A
9032	31396.88	35 8N	33 42E	75.8	187.9	2.881	-4.20	70.5	SO312	.03070	9.5654	0.6	A
9033	31447.48	31 8N	33 51E	91.9	187.6	2.530	30.80	72.9	SO312	.01650	7.9396	1.4	F
9034	31454.08	31 8N	33 51E	92.7	187.6	2.390	31.50	72.9	SO312	.01650	7.7745	1.4	A
9035	31461.08	30 14N	33 25E	86.0	187.6	2.738	24.15	73.0	SO312	.01650	8.4678	1.2	F
9036	31467.08	30 15N	33 26E	86.8	187.5	2.530	25.20	73.0	SO312	.01650	8.3192	1.4	A
9037	32310.08	27 48S	21 38E	110.9	187.3	3.232	-10.85	34.4	SO312	.03070	6.4210	0.8	F
9038	32314.08	27 48S	21 38E	109.8	187.4	3.232	-10.50	34.4	SO312	.03070	6.5531	0.6	V
9039	32318.48	27 49S	21 38E	111.4	187.4	3.232	-9.80	34.4	SO312	.03070	6.3715	0.6	A
1394 9001	36001.08	80 37N	58 1E	84.8	226.2	0.438	21.00	30.6	SO312	.04070	8.6576	0.6	V
9002	36004.08	80 38N	58 3E	85.7	225.3	0.438	21.00	30.6	SO312	.04070	8.4678	0.6	A
9003	36416.88	54 35N	16 51E	76.5	191.2	2.037	-17.15	56.3	SO312	.04070	9.5984	0.4	V
9004	36419.68	54 36N	16 50E	77.4	191.2	2.037	-17.15	56.3	SO312	.04070	9.3921	0.4	A
9005	36431.28	53 36N	16 32E	75.8	191.0	2.037	-15.40	57.2	SO312	.03070	9.6892	0.6	V
9006	36434.28	53 35N	16 31E	76.7	190.9	2.037	-15.40	57.2	SO312	.03070	9.4746	0.4	A
9007	36446.48	52 26N	15 29E	85.2	190.7	1.826	-30.45	58.0	SO312	.03070	8.4760	0.6	F
9008	36449.48	52 26N	15 30E	83.9	190.7	1.826	-30.10	58.0	SO312	.03070	8.7401	0.6	V
9009	36453.68	52 7N	15 38E	79.9	190.6	2.037	-24.50	58.3	SO312	.03070	9.1940	0.6	V
9010	36456.68	52 7N	15 38E	80.6	190.5	2.037	-24.15	58.3	SO312	.03070	9.0290	0.6	A
9011	36461.48	51 34N	15 37E	77.6	190.5	2.037	-20.30	58.8	SO312	.03070	9.4581	0.4	V
9012	36464.28	51 34N	15 37E	78.4	190.4	2.037	-19.95	58.8	SO312	.03070	9.2765	0.6	A
9013	36472.68	50 39N	14 45E	87.9	190.3	1.826	-33.60	59.4	SO312	.03070	8.2119	0.8	F
9014	36475.68	50 39N	14 45E	86.5	190.3	1.826	-33.25	59.4	SO312	.03070	8.4678	1.0	V
9015	36480.88	50 16N	14 56E	81.1	190.2	2.037	-26.60	59.8	SO312	.03070	9.0537	0.8	V
9016	36483.88	50 16N	14 56E	81.8	190.1	2.037	-26.25	59.8	SO312	.03070	8.8969	0.8	A
9017	36498.28	49 6N	16 9E	79.8	189.9	2.181	18.90	61.2	SO312	.03070	9.0867	0.6	A
9018	36510.48	48 14N	16 22E	89.3	189.8	2.037	31.15	62.1	SO312	.03070	8.0799	0.6	A
9019	36534.28	46 15N	15 16E	80.2	189.5	2.390	19.25	63.5	SO312	.03070	9.0702	0.4	F
9020	36537.08	46 15N	15 16E	79.5	189.4	2.390	19.60	63.5	SO312	.03070	9.2353	0.6	V
9021	36540.28	45 51N	15 9E	80.4	189.4	2.390	19.60	63.9	SO312	.03070	9.0455	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1394 9022	36543.28	45 50N	15 9E	79.7	189.4	2.390	19.95	63.9	SO312	.03070	9.2105	0.6	V
9023	36549.48	45 26N	14 49E	76.4	189.3	2.390	13.65	64.1	SO312	.03070	9.6149	0.6	V
9024	36552.28	45 26N	14 49E	77.5	189.3	2.390	14.00	64.1	SO312	.03070	9.3508	0.6	A
1395 9001	42102.08	28 27N	11 5W	88.1	187.4	2.530	27.30	73.5	SO312	.03070	8.3274	0.6	V
9002	42105.28	28 28N	11 5W	89.6	187.4	2.530	27.65	73.5	SO312	.02200	8.0551	0.6	A
9003	42123.88	27 10N	13 13W	94.0	187.3	2.738	-37.80	72.1	SO312	.01650	7.7910	0.8	V
9004	42127.28	27 10N	13 13W	94.8	187.3	2.738	-37.45	72.1	SO312	.01650	7.6672	0.8	A
1397 9001	53017.68	7 31N	60 10W	84.3	186.5	3.439	-7.00	65.3	SO312	.03070	8.6658	1.2	V
9002	53039.88	5 46N	60 17W	85.8	186.5	3.439	-0.35	64.2	SO312	.03070	8.4265	1.6	F
9003	53051.68	5 1N	61 10W	95.0	186.5	3.439	-28.35	63.0	SO312	.02200	7.5764	0.6	F
9004	53057.48	4 51N	61 7W	91.7	186.5	3.439	-24.85	63.0	SO312	.03070	7.9561	1.4	V
9005	53060.88	4 36N	61 8W	91.6	186.5	3.439	-24.50	62.8	SO312	.03070	7.9643	1.4	V
9006	53143.08	0 57S	62 54W	120.3	186.5	2.881	-44.45	57.9	SO312	.02200	6.0331	1.0	V
9007	53371.08	17 1S	63 39W	110.1	186.8	2.881	20.30	44.9	SO312	.03070	6.5283	1.4	F
9008	53378.88	17 12S	64 21W	100.4	186.8	3.439	-0.35	44.4	SO312	.03070	7.2050	1.4	V
9009	53409.08	19 4S	63 30W	128.1	186.9	2.037	33.95	43.3	SO312	.02200	5.5132	1.4	A
9010	53651.28	35 26S	69 34W	132.6	188.0	2.881	-32.55	26.8	SO312	.02200	5.4059	0.6	V
9011	53656.28	35 26S	69 33W	133.9	188.0	3.092	-32.20	26.8	SO312	.02200	5.3069	0.6	A
9012	53735.88	41 16S	69 35W	119.6	188.7	2.738	-1.40	21.7	SO312	.04070	5.9836	1.0	V
9013	53820.48	46 31S	71 36W	127.5	189.5	2.738	-10.85	16.5	SO312	.04070	5.5214	0.8	A
9014	53854.68	49 23S	72 48W	131.4	190.0	2.390	-15.40	13.6	SO312	.04070	5.3729	1.0	F
9015	53870.88	50 17S	71 51W	128.7	190.2	2.181	6.30	13.1	SO312	.05390	5.5379	1.0	V
9016	53876.68	50 18S	72 14W	129.3	190.3	2.181	0.35	13.0	SO312	.05390	5.4224	1.2	A
9017	53885.88	50 55S	72 24W	130.0	190.4	2.181	1.05	12.4	SO312	.05390	5.3976	1.0	A
9018	53897.68	51 43S	72 31W	131.2	190.6	2.037	3.85	11.7	SO312	.05390	5.3399	0.6	A
1398 5001	57841.88	40 16N	75 5W	77.5	188.6	2.738	11.90	67.8	SO312	.02210	9.3930	3.6	F
5002	57849.28	40 8N	75 6W	78.1	188.5	2.530	13.30	67.9	SO312	.02210	9.3022	3.8	A
9001	57841.68	40 16N	75 5W	77.5	188.6	2.738	11.90	67.8	SO312	.02200	9.3921	3.8	F
9002	57849.28	40 8N	75 6W	78.0	188.5	2.530	13.30	67.9	SO312	.02200	9.3013	3.6	A
9003	58095.08	22 57N	80 0W	87.3	187.1	2.881	-28.35	72.2	SO312	.03070	8.2614	0.4	F
9004	58101.48	22 31N	80 0W	85.3	187.1	3.092	-25.55	72.2	SO312	.03070	8.4678	0.6	F
9005	58106.28	22 35N	79 55W	83.7	187.0	3.092	-22.40	72.3	SO312	.03070	8.6741	0.4	A
9006	58107.28	22 31N	79 56W	83.7	187.0	3.092	-22.40	72.3	SO312	.03070	8.6741	0.6	A
9007	58117.68	21 48N	79 59W	82.5	187.0	3.232	-19.25	72.3	SO312	.03070	8.7896	1.0	A
1399 5001	63173.68	38 23N	98 13W	75.1	188.3	2.738	-7.70	68.6	SO312	.02210	9.6489	1.2	F
5002	63179.08	38 23N	98 14W	75.2	188.3	2.738	-7.00	68.7	SO312	.02210	9.6571	1.2	A
9001	63173.48	38 24N	98 13W	75.2	188.3	2.738	-7.70	68.6	SO312	.02200	9.6479	1.2	F
9002	63178.88	38 24N	98 13W	75.2	188.3	2.738	-7.00	68.7	SO312	.02200	9.6562	1.2	A
1400 9001	68479.88	38 40N	121 20W	94.4	188.3	2.390	-39.20	67.9	SO312	.02200	7.7002	2.8	A
1405 9001	8522.28	44 29N	132 7E	91.5	189.2	2.037	32.90	65.0	SO312	.02200	7.9313	0.6	F
9002	8525.68	44 28N	132 6E	90.8	189.1	2.037	33.25	65.0	SO312	.02200	8.0468	0.4	V
9003	8529.08	44 1N	131 56E	90.8	189.1	2.390	31.85	65.4	SO312	.02200	8.0303	0.6	F
9004	8532.28	44 1N	131 57E	90.3	189.1	2.181	32.55	65.4	SO312	.02200	8.1541	0.6	V
9005	8533.48	43 56N	131 55E	90.3	189.1	2.181	32.55	65.4	SO312	.02200	8.1459	0.8	V
9006	8536.88	43 56N	131 56E	92.2	189.0	2.181	33.25	65.5	SO312	.02200	7.8570	0.8	A
9007	8538.28	43 50N	131 54E	92.1	189.0	2.181	33.25	65.5	SO312	.02200	7.8570	0.4	A
9008	8541.48	43 24N	131 43E	89.0	189.0	2.181	31.50	65.8	SO312	.03070	8.2614	0.6	V
9009	8544.88	43 23N	131 43E	90.5	188.9	2.181	31.85	65.8	SO312	.03070	7.9973	0.4	A
9010	8561.88	42 14N	129 13E	86.5	188.8	2.181	-33.60	65.7	SO312	.03070	8.4843	0.6	V
9011	8618.48	38 22N	128 3E	92.5	188.3	2.181	-38.85	68.0	SO312	.02200	7.9065	0.4	V
9012	8621.88	38 23N	128 3E	93.4	188.3	2.390	-38.85	68.0	SO312	.02200	7.7910	0.4	A
1406 9001	13739.68	51 7N	111 30E	77.3	190.4	2.181	16.45	59.5	SO312	.03070	9.5241	0.6	V
9002	13808.67	46 36N	108 20E	84.4	189.5	2.037	-31.85	62.6	SO312	.02200	8.6988	0.6	V
9003	13811.68	46 36N	108 20E	85.1	189.4	2.037	-31.50	62.6	SO312	.02200	8.5585	0.6	A
9004	13942.28	37 25N	106 8E	82.2	188.2	2.530	-28.35	68.8	SO312	.03070	8.9299	0.8	V
9005	13945.28	37 25N	106 7E	83.0	188.2	2.738	-28.35	68.8	SO312	.03070	8.7731	0.8	A
9006	13990.08	33 59N	106 40E	79.7	187.9	2.738	18.20	71.4	SO312	.03070	9.2105	0.6	V
9007	13993.08	33 59N	106 40E	80.9	187.8	2.738	18.55	71.4	SO312	.03070	8.9464	0.6	A
9008	14117.88	25 31N	103 50E	80.8	187.2	3.092	-20.65	72.6	SO312	.03070	8.9959	0.4	A
9009	14218.48	18 23N	102 26E	83.9	186.9	3.232	-22.05	71.2	SO312	.03070	8.7236	0.4	V
9010	14223.88	17 59N	102 37E	80.5	186.8	3.232	-12.25	71.3	SO312	.03070	9.0950	1.4	V
9011	14231.88	17 25N	102 48E	79.7	186.8	3.232	-0.70	71.3	SO312	.03070	9.1858	0.6	V
9012	14234.88	17 24N	102 48E	80.8	186.8	3.439	-0.35	71.3	SO312	.03070	8.9382	0.6	A
1407 9001	18970.27	56 15N	91 57E	84.9	191.8	2.037	25.90	55.1	SO312	.03070	8.5750	0.6	F
9002	18973.27	56 15N	91 56E	84.0	191.8	1.826	26.25	55.1	SO312	.03070	8.7649	0.6	V
9003	18984.47	55 31N	89 44E	78.2	191.6	1.826	-18.90	55.4	SO312	.03070	9.2600	0.4	F
9004	18985.67	55 26N	89 42E	78.1	191.5	1.826	-18.90	55.5	SO312	.03070	9.2683	0.4	F
9005	18986.87	55 21N	89 40E	78.1	191.5	1.826	-18.90	55.5	SO312	.03070	9.2683	1.0	F
9006	18990.07	55 19N	89 38E	77.2	191.4	2.037	-19.25	55.6	SO312	.03070	9.5159	0.6	V
9007	18993.67	55 5N	89 26E	78.4	191.4	1.826	-21.70	55.7	SO312	.03070	9.3591	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1407 9008	18996.67	55 5N	89 26E	79.2	191.3	2.037	-21.70	55.7	SO312	.03070	9.1858	0.4	A
9009	19149.87	44 2N	87 31E	86.4	189.1	2.390	27.65	65.3	SO312	.03070	8.4430	0.6	F
9010	19156.07	44 2N	87 31E	87.2	189.0	2.181	28.70	65.3	SO312	.03070	8.3109	0.6	A
9011	19163.87	43 30N	87 23E	88.1	189.0	2.181	29.40	65.7	SO312	.03070	8.2202	0.8	A
1408 9001	24299.47	54 55N	69 10E	84.1	191.4	2.037	24.85	56.2	SO312	.03070	8.6576	0.6	F
9002	24302.47	54 55N	69 10E	83.4	191.4	2.037	25.20	56.3	SO312	.03070	8.8144	0.6	V
9003	24307.27	54 33N	69 21E	89.2	191.3	1.826	31.85	56.6	SO312	.03070	8.2532	0.4	V
9004	24310.67	54 33N	69 21E	90.7	191.2	1.826	32.20	56.6	SO312	.03070	8.0056	0.4	A
9005	24352.67	51 32N	65 40E	84.8	190.5	1.826	-30.10	58.6	SO312	.03070	8.5173	0.6	F
9006	24355.67	51 32N	65 40E	83.7	190.5	2.037	-30.10	58.6	SO312	.03070	8.7731	0.6	V
9007	24361.27	51 8N	65 45E	80.2	190.4	2.037	-25.20	59.0	SO312	.03070	9.1527	0.6	V
9008	24364.27	51 8N	65 45E	80.9	190.3	2.037	-24.85	59.0	SO312	.03070	8.9877	0.6	A
9009	24367.27	50 56N	65 42E	80.7	190.3	2.037	-24.50	59.2	SO312	.03070	9.0124	0.4	A
9010	24430.27	46 14N	63 54E	88.2	189.4	2.037	-33.95	62.8	SO312	.03070	8.1954	0.4	F
9011	24436.47	46 15N	63 54E	87.4	189.4	2.181	-33.25	62.8	SO312	.03070	8.3192	0.4	A
9012	24554.87	37 41N	61 50E	86.7	188.2	2.390	-31.85	68.6	SO312	.02200	8.3357	0.8	F
9013	24557.87	37 41N	61 50E	85.4	188.2	2.390	-31.50	68.6	SO312	.02200	8.5915	0.8	V
9014	24559.27	37 36N	61 48E	85.4	188.2	2.390	-31.50	68.6	SO312	.02200	8.5915	0.6	V
9015	24562.47	37 35N	61 48E	86.2	188.2	2.390	-31.15	68.6	SO312	.02200	8.4512	0.6	A
1409 5001	29934.07	32 46N	39 36E	76.0	187.8	3.092	2.10	71.6	SO312	.02210	9.5581	0.6	F
5002	29939.47	32 46N	39 37E	76.4	187.7	2.881	3.50	71.6	SO312	.01660	9.5003	0.8	A
9001	29543.87	59 12N	49 27E	89.0	192.9	1.826	30.10	52.4	SO312	.03070	8.1624	0.8	F
9002	29546.67	59 14N	49 25E	87.6	192.8	1.826	29.75	52.4	SO312	.03070	8.3770	0.6	V
9003	29550.27	59 12N	49 27E	89.6	192.7	1.484	31.15	52.4	SO312	.03070	8.0634	0.8	A
9004	29575.67	57 5N	48 13E	86.7	192.1	1.826	28.00	54.3	SO312	.03070	8.4100	0.6	F
9005	29578.67	57 6N	48 12E	85.7	192.1	1.826	28.00	54.3	SO312	.03070	8.5915	0.6	V
9006	29582.67	56 39N	47 48E	83.4	192.0	2.037	23.80	54.7	SO312	.03070	8.7236	0.6	F
9007	29585.67	56 39N	47 47E	82.5	191.9	1.826	24.15	54.7	SO312	.03070	8.9134	0.4	V
9008	29595.27	56 10N	46 6E	74.8	191.7	2.037	-10.85	54.9	SO312	.04070	9.8212	0.4	V
9009	29598.07	56 10N	46 6E	75.6	191.6	2.037	-10.50	54.9	SO312	.04070	9.6149	0.4	A
9010	29604.07	55 30N	46 25E	74.4	191.5	2.037	4.55	55.6	SO312	.04070	9.8708	0.4	V
9011	29606.87	55 30N	46 25E	75.3	191.5	2.037	4.90	55.6	SO312	.04070	9.6314	0.4	A
9012	29613.27	54 50N	46 32E	77.0	191.3	2.037	14.35	56.2	SO312	.03070	9.5324	0.4	V
9013	29623.87	54 14N	45 11E	75.6	191.1	2.037	-14.35	56.5	SO312	.04070	9.7222	0.6	V
9014	29626.67	54 14N	45 11E	76.3	191.1	2.037	-14.00	56.5	SO312	.03070	9.5241	0.6	A
9015	29638.07	53 14N	45 5E	74.0	190.9	2.181	-7.00	57.4	SO312	.04070	9.9203	0.6	V
9016	29640.87	53 14N	45 5E	74.8	190.8	2.181	-6.65	57.4	SO312	.03070	9.7057	0.6	A
9017	29651.07	51 58N	46 8E	89.4	190.7	2.181	30.80	58.9	SO312	.03070	8.1624	0.4	F
9018	29654.07	51 46N	46 2E	89.1	190.6	2.181	30.45	59.0	SO312	.03070	8.1954	0.6	F
9019	29657.67	51 31N	45 58E	89.8	190.6	2.181	31.15	59.3	SO312	.03070	8.1294	1.0	F
9020	29664.07	51 31N	45 58E	90.1	190.5	1.826	31.85	59.3	SO312	.03070	8.0468	1.0	A
9021	29682.47	50 4N	45 16E	85.7	190.2	2.037	28.35	60.4	SO312	.03070	8.5668	0.6	V
9022	29685.67	50 4N	45 16E	87.1	190.1	2.037	28.70	60.5	SO312	.03070	8.3109	0.4	A
9023	29697.27	48 53N	44 36E	82.1	190.0	2.390	22.05	61.4	SO312	.03070	8.8721	0.4	F
9024	29698.67	48 48N	44 34E	82.1	189.9	2.390	22.05	61.4	SO312	.03070	8.8639	0.6	F
9025	29703.07	48 54N	44 37E	82.7	189.9	2.181	23.10	61.4	SO312	.03070	8.7649	0.4	A
9026	29704.47	48 48N	44 35E	82.7	189.9	2.181	23.10	61.4	SO312	.03070	8.7649	0.8	A
9027	29714.07	47 51N	43 30E	74.6	189.7	2.530	0.35	62.0	SO312	.03070	9.7305	0.4	F
9028	29724.27	47 39N	42 23E	83.8	189.6	2.181	-29.05	61.8	SO312	.03070	8.6988	1.0	A
9029	29743.47	45 52N	42 36E	75.0	189.4	2.530	-8.75	63.4	SO312	.03070	9.6644	0.8	F
9030	29748.87	45 52N	42 37E	74.9	189.3	2.530	-7.70	63.4	SO312	.03070	9.6974	0.6	A
9031	29761.07	45 5N	41 59E	78.3	189.2	2.530	-19.95	63.9	SO312	.03070	9.2931	1.2	A
9032	29773.87	44 5N	42 52E	79.4	189.0	2.390	17.15	65.1	SO312	.03070	9.1197	1.2	A
9033	29795.27	42 16N	42 3E	75.9	188.8	2.738	6.65	66.2	SO312	.02200	9.5737	1.0	F
9034	29800.67	42 16N	42 4E	76.1	188.8	2.530	7.70	66.3	SO312	.02200	9.5241	1.0	A
9035	29806.87	41 40N	41 48E	73.9	188.7	2.738	3.85	66.6	SO312	.03070	9.9368	0.4	V
9036	29811.07	41 36N	41 34E	74.9	188.7	2.738	-2.80	66.6	SO312	.03070	9.6809	0.6	A
9037	30289.27	8 12N	35 33E	97.5	186.6	2.881	27.30	66.6	SO312	.01650	7.4526	1.2	F
9038	30296.47	8 11N	35 33E	98.6	186.6	2.530	28.35	66.6	SO312	.01650	7.2711	1.2	A
9039	30402.67	0 32N	33 21E	88.8	186.5	3.587	-4.55	60.0	SO312	.03070	8.1211	0.8	F
9040	30405.87	0 32N	33 21E	87.9	186.5	3.587	-4.20	60.0	SO312	.03070	8.2862	0.8	V
9041	30789.27	25 50S	28 19E	109.2	187.2	3.232	-10.15	36.3	SO312	.03070	6.5283	0.6	F
9042	30793.27	25 50S	28 19E	108.1	187.2	3.232	-9.45	36.4	SO312	.03070	6.6686	0.6	V
9043	30800.67	26 17S	27 45E	114.1	187.3	3.232	-22.05	35.7	SO312	.03070	6.3137	0.6	V
9044	30805.07	26 17S	27 45E	115.5	187.3	3.439	-21.70	35.7	SO312	.03070	6.1734	0.6	A
1410 9001	34699.87	69 24N	34 11E	80.3	199.0	1.338	15.75	42.7	SO312	.04070	9.0372	0.4	F
9002	34702.67	69 24N	34 12E	79.5	198.9	1.338	16.10	42.7	SO312	.04070	9.2353	0.4	V
9003	34706.47	68 58N	33 49E	80.9	198.6	1.338	17.15	43.2	SO312	.03070	8.9794	1.8	F
9004	34710.27	68 54N	33 46E	80.0	198.4	1.338	17.50	43.2	SO312	.03070	9.1775	0.6	V
9005	34713.67	68 29N	33 23E	81.1	198.2	1.338	17.85	43.6	SO312	.04070	8.9547	0.6	F
9006	34716.47	68 29N	33 22E	80.1	198.1	1.338	17.85	43.6	SO312	.04070	9.1693	0.6	V
9007	34721.07	68 8N	33 32E	84.3	197.8	1.338	24.85	44.0	SO312	.03070	8.7153	0.6	V
9008	34724.07	68 8N	33 31E	85.3	197.7	1.338	24.85	44.0	SO312	.03070	8.5008	0.6	A
9009	34728.67	67 30N	32 31E	81.7	197.4	1.338	19.25	44.6	SO312	.04070	8.8969	0.6	F
9010	34735.47	67 13N	32 22E	81.7	197.1	1.338	21.00	44.9	SO312	.04070	8.9959	0.6	V
9011	34738.47	67 14N	32 21E	82.6	196.9	1.338	21.00	44.9	SO312	.04070	8.7814	0.6	A
9012	34853.07	59 19N	26 1E	75.3	192.9	1.826	2.80	52.1	SO312	.04070	9.6397	2.0	F
9013	34859.27	59 16N	25 59E	75.3	192.7	1.826	3.15	52.2	SO312	.04070	9.6397	1.2	A
9014	34867.47	58 27N	24 31E	80.0	192.5	1.690	-21.70	52.8	SO312	.03070	9.0537	0.8	F
9015	34870.27	58 27N	24 30E	79.0	192.4	1.690	-21.70	52.8	SO312	.04070	9.2931	0.8	V
9016	34873.87	58 24N	24 33E	79.0	192.4	1.690	-19.95	52.8	SO312	.03070	9.2023	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1410 9017	34888.67	56 60N	24 8E	77.2	192.0	1.826	-15.75	54.1	SO312	.03070	9.3756	0.4	F
9018	34891.27	57 0N	24 9E	76.2	192.0	1.826	-15.40	54.1	SO312	.04070	9.6314	0.4	V
9019	34897.47	56 39N	23 17E	84.6	191.8	1.690	-30.45	54.3	SO312	.03070	8.6741	0.4	V
9020	34900.47	56 40N	23 18E	85.3	191.8	1.690	-30.10	54.3	SO312	.03070	8.5255	0.6	A
9021	34912.67	55 16N	24 19E	75.7	191.5	2.181	6.65	55.8	SO312	.04070	9.6067	0.4	F
9022	34916.47	55 1N	24 11E	75.6	191.4	2.181	6.30	56.0	SO312	.03070	9.6149	0.6	F
9023	34919.07	55 1N	24 11E	74.8	191.4	2.181	6.65	56.0	SO312	.04070	9.8295	0.6	V
9024	34922.87	54 47N	23 57E	74.2	191.3	2.181	3.15	56.2	SO312	.04070	9.9038	0.4	V
9025	34925.67	54 46N	23 57E	75.1	191.3	2.181	3.50	56.2	SO312	.04070	9.6644	0.4	A
9026	34931.67	54 26N	23 14E	75.8	191.2	2.181	-11.90	56.4	SO312	.03070	9.5984	0.6	A
9027	34939.67	53 45N	22 27E	80.0	191.0	1.826	-24.50	56.6	SO312	.03070	9.1858	0.6	V
9028	34942.67	53 45N	22 28E	80.6	191.0	2.037	-24.15	56.8	SO312	.03070	9.0207	0.6	A
9029	34953.47	52 51N	21 51E	84.4	190.8	1.826	-30.80	57.5	SO312	.03070	8.7071	0.6	V
9030	34956.47	52 51N	21 51E	85.0	190.7	2.037	-30.45	57.5	SO312	.03070	8.5585	0.6	A
9031	35011.67	48 39N	20 32E	84.5	189.9	2.037	-30.10	61.0	SO312	.03070	8.5585	0.4	F
9032	35014.47	48 40N	20 33E	83.2	189.8	2.037	-29.75	61.0	SO312	.03070	8.8226	0.6	V
9033	35022.27	47 52N	21 11E	74.7	189.7	2.390	-5.95	61.9	SO312	.03070	9.7140	0.4	F
9034	35024.87	47 52N	21 11E	73.8	189.7	2.390	-5.60	61.9	SO312	.03070	9.9533	0.6	V
9035	35031.67	47 26N	20 47E	75.2	189.6	2.390	-13.65	62.1	SO312	.03070	9.7717	0.6	V
9036	35034.47	47 26N	20 47E	75.9	189.6	2.390	-13.30	62.1	SO312	.03070	9.5654	0.6	A
9037	35045.47	46 12N	21 16E	77.3	189.5	2.530	12.60	63.4	SO312	.03070	9.4086	0.8	F
9038	35050.87	46 13N	21 17E	77.7	189.4	2.390	13.65	63.4	SO312	.03070	9.3261	1.0	A
9039	35060.87	45 16N	19 52E	79.3	189.3	2.390	-22.05	63.7	SO312	.03070	9.1280	0.6	F
9040	35066.47	45 17N	19 52E	79.0	189.2	2.390	-21.35	63.7	SO312	.03070	9.2023	0.6	A
9041	35071.07	44 46N	19 41E	79.0	189.2	2.390	-23.10	64.0	SO312	.03070	9.2931	0.4	V
9042	35073.87	44 47N	19 41E	79.7	189.1	2.390	-22.75	64.0	SO312	.03070	9.1197	0.6	A
9043	35087.27	43 17N	20 51E	84.7	189.0	2.390	25.20	65.8	SO312	.03070	8.6081	0.4	F
9044	35092.27	42 55N	20 53E	87.8	188.9	2.390	29.05	66.1	SO312	.03070	8.3109	0.4	F
9045	35095.47	42 54N	20 53E	86.9	188.9	2.181	28.40	66.1	SO312	.03070	8.4430	0.4	V
9046	35099.67	42 35N	21 3E	93.6	188.9	2.181	35.35	66.5	SO312	.01650	7.8735	0.4	V
9047	35103.07	42 35N	21 3E	95.1	188.8	2.181	35.70	66.5	SO312	.01650	7.6094	0.4	A
9048	35114.87	41 38N	20 2E	77.8	188.7	2.530	15.40	66.8	SO312	.03070	9.4499	0.6	V
9049	35117.67	41 38N	20 2E	78.9	188.7	2.530	15.75	66.8	SO312	.03070	9.1858	0.6	A
9050	35132.07	40 28N	19 35E	76.4	188.6	2.530	11.20	67.5	SO312	.03070	9.6232	0.4	V
9051	35134.87	40 29N	19 35E	77.4	188.5	2.530	11.55	67.5	SO312	.03070	9.3673	0.4	A
9052	35661.87	3 55N	11 32E	89.5	186.5	3.587	-16.10	62.5	SO312	.03070	8.0386	1.0	F
9053	35668.27	3 55N	11 32E	89.6	186.5	3.587	-15.05	62.5	SO312	.03070	8.0386	1.0	A
1411 9001	40370.87	44 54N	0 45W	85.4	189.3	2.390	26.25	64.6	SO312	.03070	8.5338	0.8	F
9002	40373.87	44 55N	0 45W	84.5	189.2	2.181	26.60	64.6	SO312	.03070	8.7071	0.8	V
9003	40379.07	44 24N	1 14W	79.4	189.2	2.390	17.15	64.8	SO312	.03070	9.1693	1.0	F
9004	40384.67	44 25N	1 14W	79.8	189.1	2.390	17.85	64.8	SO312	.03070	9.0785	1.2	A
1412 9001	46420.07	5 54S	35 10W	114.1	186.6	3.092	-37.45	54.0	SO312	.02200	6.2807	0.6	F
9002	46428.27	5 54S	35 10W	113.2	186.6	3.439	-36.75	54.0	SO312	.02200	6.3632	0.6	A
1413 9001	51962.87	22 1S	60 37W	134.8	187.0	2.881	-40.60	39.4	SO312	.02200	5.2656	0.8	F
9002	51967.47	21 60S	60 36W	132.6	187.0	3.092	-40.25	39.4	SO312	.02200	5.4472	0.6	V
9003	51975.07	22 18S	60 1W	115.6	187.1	3.439	-25.90	39.4	SO312	.03070	6.1817	1.6	A
9004	51984.27	23 3S	59 15W	107.1	187.1	3.232	0.35	39.1	SO312	.03070	6.6356	0.6	A
9005	52111.27	32 3S	62 40W	137.2	187.7	2.881	-36.05	30.0	SO312	.03070	5.1583	0.8	F
9006	52118.67	32 3S	61 37W	116.3	187.7	3.232	-12.60	30.5	SO312	.03070	6.0991	0.6	A
9007	52124.67	32 47S	61 21W	113.6	187.7	2.881	-2.10	29.9	SO312	.03070	6.3302	0.6	V
9008	52131.07	33 27S	61 55W	117.0	187.8	3.092	-12.95	29.1	SO312	.03070	6.0744	0.8	F
9009	52135.87	33 29S	61 58W	116.2	187.8	3.092	-13.65	29.1	SO312	.03070	6.1817	1.0	V
9010	52140.87	33 51S	61 51W	115.1	187.8	3.092	-8.75	28.8	SO312	.04070	6.2394	2.0	V
9011	52146.47	33 57S	61 42W	116.3	187.9	3.092	-3.85	28.8	SO312	.03070	6.0826	1.8	A
9012	52153.27	34 40S	62 10W	116.5	187.9	3.092	-11.55	28.0	SO312	.04070	6.1652	1.4	V
9013	52161.07	34 54S	62 7W	117.7	188.0	3.092	-8.75	27.8	SO312	.03070	6.0084	1.4	A
1414 9001	56786.87	11 1N	74 45W	89.7	186.6	2.881	19.60	68.3	SO312	.03070	8.1624	0.8	V
9002	56790.07	11 1N	74 45W	91.1	186.6	2.881	19.95	68.3	SO312	.03070	7.8900	1.0	A
9003	56898.67	3 36N	76 22W	89.1	186.5	3.232	8.05	62.7	SO312	.02200	8.0634	1.2	A
9004	56914.87	2 29N	76 36W	88.8	186.5	3.439	6.30	61.8	SO312	.02200	8.0799	0.8	A
9005	56924.07	1 28N	77 17W	89.2	186.5	3.587	-14.00	60.7	SO312	.03070	8.0716	1.6	F
9006	56942.07	0 9N	76 52W	92.0	186.5	3.232	10.50	60.0	SO312	.03070	7.8570	1.4	F
9007	56949.07	0 23S	76 38W	99.1	186.5	3.092	21.70	59.8	SO312	.02200	7.3041	0.6	F
9008	56957.07	0 25S	76 59W	93.1	186.5	3.232	11.20	59.6	SO312	.03070	7.6837	1.2	A
9009	56973.87	2 2S	77 10W	94.7	186.5	3.232	13.30	58.2	SO312	.03070	7.6425	0.6	F
9010	56980.07	2 0S	76 58W	99.9	186.5	2.881	21.00	58.4	SO312	.02200	7.1555	1.4	A
9011	57003.67	3 57S	79 12W	118.0	186.5	3.092	+42.35	55.6	SO312	.01220	6.0661	0.6	F
9012	57013.47	4 26S	78 24W	93.5	186.5	3.587	-16.45	55.7	SO312	.03070	7.7745	1.0	V
1416 5001	67077.87	32 50N	115 22W	76.3	187.8	3.092	-6.30	71.4	SO312	.02210	9.5085	0.6	F
5002	67083.27	32 50N	115 22W	76.4	187.7	3.092	-5.60	71.4	SO312	.02210	9.5003	0.6	A
9001	67077.67	32 51N	115 22W	76.3	187.8	3.092	-6.30	71.4	SO312	.02200	9.5076	0.8	F
9002	67083.27	32 50N	115 22W	76.4	187.7	3.092	-5.60	71.4	SO312	.02200	9.4994	0.6	A
1420 9001	1559.07	57 34N	162 10E	91.0	192.1	1.484	-36.75	53.3	SO312	.02200	8.0881	0.4	V
9002	1562.47	57 34N	162 11E	91.4	192.0	1.690	-36.40	53.3	SO312	.02200	7.9561	0.4	A
9003	1576.27	56 17N	162 45E	75.9	191.7	1.826	-14.70	54.7	SO312	.03070	9.6727	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1420 9004	1579.07	56 17N	162 44E	76.7	191.7	2.037	-14.70	54.7	SO312	.03070	9.4746	0.6	A
1421 9001	6928.07	53 14N	141 26E	92.0	190.9	1.826	34.30	57.7	SO312	.02200	8.0056	0.4	V
9002	6931.47	53 14N	141 26E	93.5	190.9	1.826	34.65	57.7	SO312	.02200	7.7580	0.4	A
9003	7068.87	43 57N	135 28E	95.3	189.0	1.826	-40.60	64.2	SO312	.02200	7.6837	0.4	V
9004	7072.27	43 57N	135 27E	96.2	189.0	2.037	-40.60	64.2	SO312	.02200	7.5764	0.4	A
9005	7193.47	35 20N	133 57E	82.3	188.0	2.530	-27.65	69.8	SO312	.02200	8.9052	0.6	V
9006	7196.47	35 20N	133 56E	83.2	188.0	2.738	-27.65	69.8	SO312	.02200	8.7484	0.6	A
9007	7753.67	3 37S	128 14E	108.0	186.5	2.738	28.35	57.2	SO312	.03070	6.7016	1.0	F
9008	7757.47	3 37S	128 14E	107.6	186.5	2.530	29.05	57.2	SO312	.03070	6.7676	1.0	V
9009	7830.07	8 28S	126 24E	94.3	186.6	3.439	-4.20	52.4	SO312	.03070	7.7002	0.6	V
9010	7833.47	8 28S	126 24E	95.7	186.6	3.439	-3.50	52.4	SO312	.03070	7.4774	0.6	A
1422 9001	12251.27	52 22N	116 50E	77.8	190.7	2.037	-18.90	58.0	SO312	.03070	9.3178	0.8	F
9002	12256.87	52 22N	116 50E	77.4	190.6	2.181	-18.20	58.0	SO312	.03070	9.3921	0.8	A
9003	12269.47	51 10N	115 58E	84.3	190.4	1.826	-29.75	58.9	SO312	.03070	8.5668	1.2	F
9004	12275.07	51 1N	115 30E	91.7	190.3	1.826	-34.15	58.8	SO312	.03070	7.9973	0.4	V
9005	12278.47	51 1N	115 30E	92.3	190.3	1.826	-37.80	58.9	SO312	.03070	7.8735	0.4	A
9006	12283.47	50 36N	115 53E	82.1	190.2	2.037	-26.95	59.3	SO312	.03070	8.8721	0.4	A
9007	12516.27	34 15N	110 60E	100.2	187.9	2.037	-42.70	69.9	SO312	.02200	7.1968	0.4	F
9008	12522.47	34 3N	111 2E	96.1	187.8	2.181	-40.60	70.0	SO312	.02200	7.6177	0.4	V
9009	12525.87	34 4N	111 2E	97.0	187.8	2.390	-40.60	70.0	SO312	.02200	7.5104	0.4	A
9010	12625.27	26 44N	109 42E	94.6	187.3	2.530	-37.10	72.0	SO312	.02200	7.6094	0.4	F
9011	12632.07	26 44N	109 41E	94.1	187.3	2.738	-36.75	72.1	SO312	.02200	7.7332	0.4	A
9012	12642.47	25 30N	110 14E	78.8	187.2	3.092	-11.90	72.8	SO312	.03070	9.1858	0.4	F
9013	12645.07	25 31N	110 14E	77.9	187.2	3.092	-11.55	72.8	SO312	.03070	9.4168	0.6	V
9014	12653.87	24 45N	109 32E	88.8	187.2	2.738	-30.80	72.3	SO312	.02200	8.1294	0.6	F
9015	12660.27	24 45N	109 32E	88.4	187.2	3.092	-30.45	72.3	SO312	.02200	8.2284	0.6	A
9016	12663.27	24 20N	109 28E	87.4	187.1	2.881	-30.10	72.3	SO312	.03070	8.3770	0.4	V
9017	12666.47	24 20N	109 28E	88.3	187.1	3.092	-30.10	72.3	SO312	.03070	8.2284	0.4	A
9018	12676.87	23 9N	109 38E	81.1	187.1	3.092	-16.80	72.5	SO312	.03070	8.9217	0.8	F
9019	12688.87	22 39N	110 9E	80.6	187.0	3.092	8.40	73.0	SO312	.03070	8.9629	0.6	A
9020	12699.07	21 30N	110 16E	86.3	187.0	3.092	19.95	73.1	SO312	.03070	8.4265	0.6	F
9021	12702.07	21 30N	110 16E	85.4	187.0	2.881	20.30	73.1	SO312	.03070	8.5833	0.6	V
9022	12706.27	21 26N	110 20E	88.9	187.0	2.881	23.45	73.2	SO312	.02200	8.1129	0.6	A
9023	12709.87	21 11N	110 22E	91.0	187.0	2.881	25.90	73.2	SO312	.02200	7.9231	0.4	A
9024	12726.67	19 53N	109 17E	79.0	186.9	3.232	-5.60	72.1	SO312	.03070	9.2765	0.4	V
9025	12729.67	19 53N	109 17E	80.0	186.9	3.439	-5.25	72.1	SO312	.03070	9.0455	0.4	A
9026	12734.27	19 22N	109 10E	79.3	186.9	3.232	-6.30	71.9	SO312	.03070	9.2435	0.4	V
9027	12737.07	19 23N	109 11E	80.2	186.9	3.439	-5.95	71.9	SO312	.03070	9.0207	0.4	A
9028	12742.87	18 48N	108 51E	81.1	186.9	3.232	-15.05	71.5	SO312	.03070	9.0290	0.8	V
9029	12745.87	18 48N	108 50E	82.0	186.9	3.439	-15.05	71.5	SO312	.03070	8.8309	0.8	A
9030	12865.27	10 24N	107 6E	88.4	186.6	3.439	-23.10	67.0	SO312	.03070	8.2697	0.4	V
9031	12868.47	10 25N	107 7E	89.2	186.6	3.439	-22.40	67.1	SO312	.03070	8.1129	0.4	A
9032	13098.47	5 27S	105 19E	98.8	186.5	3.092	14.70	55.4	SO312	.03070	7.2298	0.6	A
1423 9001	17439.67	60 50N	97 27E	88.4	193.3	1.338	-33.60	50.4	SO312	.03070	8.3027	0.6	V
9002	17443.07	60 49N	97 28E	89.0	193.2	1.338	-33.25	50.4	SO312	.03070	8.1706	0.4	A
9003	17502.47	56 22N	95 16E	93.1	191.8	1.338	-37.45	54.3	SO312	.03070	7.7662	0.6	F
9004	17508.07	56 10N	95 41E	83.2	191.7	1.690	-28.70	54.6	SO312	.03070	8.8309	0.8	V
9005	17511.27	55 9N	95 40E	84.1	191.6	1.690	-28.70	54.6	SO312	.02200	8.6576	0.6	A
9006	17927.47	27 30N	88 54E	76.5	187.3	3.092	4.20	73.0	SO312	.03070	9.4581	0.6	A
9007	17967.47	24 39N	87 28E	85.7	187.2	2.881	-28.35	72.3	SO312	.03070	8.5420	0.6	V
9008	17995.67	22 34N	88 22E	85.4	187.1	2.881	20.65	73.3	SO312	.03070	8.5915	0.6	V
9009	17998.87	22 34N	88 22E	86.8	187.0	2.881	21.00	73.3	SO312	.03070	8.3192	0.4	A
9010	18876.07	37 50S	77 34E	133.8	188.2	2.181	24.15	25.6	SO312	.03070	5.3234	0.6	F
9011	18880.87	37 50S	77 34E	133.1	188.2	2.181	24.50	25.6	SO312	.03070	5.3811	0.6	V
1424 9001	22824.26	55 26N	73 17E	84.2	191.5	1.690	-28.70	55.2	SO312	.03070	8.5915	0.6	F
9002	22827.26	55 26N	73 18E	82.9	191.5	1.690	-28.35	55.2	SO312	.03070	8.8556	0.6	V
9003	22833.87	54 57N	73 24E	78.9	191.3	1.826	-22.05	55.7	SO312	.03070	9.3013	0.6	V
9004	22836.87	54 57N	73 24E	79.7	191.3	2.037	-22.05	55.7	SO312	.03070	9.1280	0.4	A
9005	22953.06	46 23N	72 29E	90.7	189.5	2.181	32.20	63.4	SO312	.02200	8.0468	0.4	F
9006	22956.26	46 23N	72 29E	90.1	189.5	2.181	32.55	63.4	SO312	.02200	8.1706	0.4	V
9007	22959.66	46 23N	72 29E	91.6	189.4	2.181	32.90	63.4	SO312	.02200	7.9148	0.4	A
9008	22964.46	46 4N	72 9E	86.2	189.4	2.181	27.65	63.6	SO312	.02200	8.4100	1.0	A
9009	23017.26	42 29N	68 50E	92.7	188.8	2.181	-38.85	65.3	SO312	.02200	7.9313	0.6	V
9010	23020.66	42 29N	68 51E	93.2	188.8	2.390	-38.50	65.3	SO312	.02200	7.8158	0.6	A
9011	23036.06	41 1N	70 11E	76.7	188.6	2.530	13.30	67.1	SO312	.03070	9.5902	0.4	V
9012	23038.87	41 1N	70 11E	77.7	188.6	2.530	13.65	67.1	SO312	.03070	9.3261	0.4	A
9013	23043.06	40 44N	70 5E	76.6	188.6	2.530	13.30	67.3	SO312	.03070	9.4664	0.4	A
9014	23067.66	38 46N	68 45E	76.3	188.4	2.738	-16.80	68.1	SO312	.03070	9.5076	0.6	F
9015	23076.46	38 20N	68 40E	75.7	188.3	2.738	-15.40	68.4	SO312	.03070	9.7057	0.4	V
9016	23270.66	24 52N	66 47E	86.5	187.2	2.738	23.45	73.6	SO312	.03070	8.4678	0.6	V
9017	23273.86	24 52N	66 47E	87.9	187.2	2.738	23.80	73.6	SO312	.02200	8.1954	0.6	A
1425 9001	28043.86	61 19N	56 36E	84.8	193.7	1.690	26.60	50.3	SO312	.03070	8.6576	0.4	V
9002	28046.86	61 20N	56 37E	86.2	193.6	1.484	27.30	50.3	SO312	.03070	8.4182	0.6	A
9003	28089.26	58 19N	52 48E	79.2	192.5	1.690	-20.30	52.8	SO312	.03070	9.1527	0.6	F
9004	28092.06	58 19N	52 48E	78.1	192.4	1.690	-19.95	52.8	SO312	.04070	9.4086	0.6	V
9005	28097.66	57 53N	53 13E	74.3	192.3	1.826	-5.95	53.3	SO312	.04070	9.8873	0.4	V
9006	28100.26	57 53N	53 13E	75.1	192.2	2.037	-5.95	53.3	SO312	.04070	9.6727	0.6	A
9007	28109.26	56 51N	53 16E	75.7	192.0	2.037	6.30	54.3	SO312	.04070	9.5902	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1425 9008	28114.66	56 51N	53 16E	75.8	191.9	2.037	7.00	54.3	SO312	.04070	9.5654	0.6	A
9009	28123.86	56 23N	51 43E	81.6	191.7	1.826	-25.20	54.4	SO312	.03070	8.9217	0.4	A
9010	28144.06	54 51N	52 27E	76.1	191.3	2.181	8.40	56.6	SO312	.03070	9.5406	0.6	A
9011	28162.66	53 22N	50 13E	87.3	190.9	1.690	-32.55	56.9	SO312	.03070	8.2862	0.6	F
9012	28165.66	53 23N	50 13E	86.3	190.9	1.690	-32.55	56.9	SO312	.03070	8.5090	0.6	V
9013	28169.06	53 9N	50 7E	86.7	190.8	1.690	-32.90	57.1	SO312	.03070	8.4678	0.8	V
9014	28172.46	53 8N	50 7E	87.4	190.8	2.037	-32.90	57.1	SO312	.03070	8.3357	0.6	A
9015	28186.66	51 56N	51 37E	79.0	190.5	2.181	16.80	58.6	SO312	.03070	9.1775	0.4	A
9016	28236.46	48 20N	48 35E	87.6	189.8	1.826	-32.90	61.1	SO312	.03070	8.2449	1.0	F
9017	28242.66	48 20N	48 34E	87.4	189.7	2.037	-32.90	61.1	SO312	.03070	8.3357	1.0	A
9018	28258.66	46 48N	48 17E	84.7	189.5	2.037	-29.75	62.3	SO312	.03070	8.5420	0.8	F
9019	28261.66	46 48N	48 17E	83.4	189.5	2.037	-29.40	62.3	SO312	.03070	8.8061	0.8	V
9020	28267.46	46 26N	47 54E	89.2	189.4	2.037	-35.70	62.5	SO312	.03070	8.2284	0.8	V
9021	28270.86	46 25N	47 54E	89.9	189.4	2.037	-35.35	62.5	SO312	.03070	8.1046	0.8	A
9022	28300.06	43 58N	47 38E	82.0	189.1	2.181	-25.90	64.5	SO312	.04070	8.8144	0.6	F
9023	28302.86	43 58N	47 38E	81.1	189.0	2.390	-26.25	64.5	SO312	.04070	9.0537	0.4	V
9024	28305.66	43 59N	47 38E	81.8	189.0	2.390	-25.90	64.5	SO312	.04070	8.8887	0.8	A
9025	28311.86	43 9N	47 22E	83.2	188.9	2.181	-27.65	65.0	SO312	.03070	8.6823	0.4	F
9026	28317.86	42 54N	47 40E	76.6	188.9	2.390	-16.80	65.4	SO312	.04070	9.5902	0.6	V
9027	28320.66	42 54N	47 40E	77.3	188.9	2.390	-16.45	65.4	SO312	.04070	9.4003	0.6	A
9028	28329.06	42 16N	48 3E	75.2	188.8	2.738	2.10	66.1	SO312	.03070	9.6397	0.6	A
9029	28341.26	41 23N	46 25E	93.7	188.7	2.037	-39.55	66.0	SO312	.01650	7.8240	0.6	V
9030	28344.66	41 24N	46 25E	94.4	188.6	2.037	-39.20	66.0	SO312	.01650	7.7167	0.6	A
9031	28350.06	40 47N	46 20E	92.1	188.6	2.181	-38.15	66.4	SO312	.01650	7.9561	1.0	V
9032	28353.46	40 47N	46 19E	92.9	188.6	2.390	-38.15	66.4	SO312	.01650	7.8323	1.0	A
9033	28456.86	33 12N	44 38E	94.5	187.8	2.390	-38.15	70.5	SO312	.01220	7.6259	0.6	F
9034	28460.26	33 12N	44 38E	93.1	187.8	2.390	-37.80	70.5	SO312	.01220	7.8735	0.6	V
9035	28464.66	32 53N	44 45E	87.9	187.7	2.390	-32.90	70.7	SO312	.03070	8.3357	0.6	V
9036	28467.86	32 53N	44 45E	88.7	187.7	2.738	-32.90	70.7	SO312	.03070	8.2037	0.6	A
9037	28486.26	30 59N	46 6E	88.7	187.6	2.738	26.95	72.7	SO312	.01650	8.2119	1.2	F
9038	28492.66	30 59N	46 7E	89.9	187.6	2.530	28.35	72.7	SO312	.01650	8.0386	1.2	A
9039	29033.26	6 38S	39 11E	108.5	186.6	2.881	26.25	54.6	SO312	.02200	6.6603	0.6	F
9040	29040.46	6 51S	39 5E	106.3	186.6	2.738	25.20	54.4	SO312	.02200	6.8254	1.2	V
9041	29044.46	6 51S	39 5E	108.3	186.6	2.530	25.90	54.4	SO312	.02200	6.5778	1.2	A
1426 9001	33246.06	68 6N	39 32E	84.0	197.9	1.484	22.75	43.9	SO312	.04070	8.6411	1.0	F
9002	33252.06	68 6N	39 32E	84.3	197.6	1.338	23.45	43.9	SO312	.04070	8.5998	1.0	A
9003	33294.66	65 3N	35 43E	76.2	195.7	1.690	3.50	46.7	SO312	.05390	9.5324	0.8	F
9004	33300.06	65 3N	35 44E	76.2	195.5	1.484	4.55	46.7	SO312	.05390	9.5241	0.8	A
9005	33336.46	62 12N	34 18E	78.1	194.2	1.826	12.95	49.4	SO312	.04070	9.3096	0.4	F
9006	33340.66	61 55N	34 11E	78.4	194.0	1.826	14.00	49.7	SO312	.04070	9.2683	0.8	F
9007	33346.26	61 55N	34 11E	78.6	193.8	1.690	14.70	49.7	SO312	.04070	9.2188	0.8	A
9008	33349.26	61 43N	34 3E	78.6	193.8	1.690	14.70	49.9	SO312	.04070	9.2270	0.6	A
9009	33358.06	60 44N	33 35E	79.2	193.5	1.826	16.10	50.8	SO312	.04070	9.1858	0.6	F
9010	33360.86	60 44N	33 35E	78.4	193.4	1.826	16.45	50.8	SO312	.04070	9.3756	0.6	V
9011	33369.06	60 6N	32 20E	75.2	193.2	1.826	-3.15	51.3	SO312	.04070	9.6479	0.6	F
9012	33374.46	60 6N	32 20E	75.2	193.0	1.826	-2.80	51.3	SO312	.04070	9.6562	0.6	A
9013	33383.06	59 31N	32 4E	75.1	192.8	1.826	-1.75	51.8	SO312	.04070	9.6727	1.2	A
9014	33388.06	58 51N	31 30E	75.5	192.7	1.826	-7.70	52.4	SO312	.04070	9.6067	0.4	F
9015	33390.86	58 39N	31 24E	75.4	192.6	1.826	-7.70	52.6	SO312	.04070	9.6149	0.8	F
9016	33396.26	58 39N	31 24E	75.4	192.5	1.826	-7.35	52.6	SO312	.04070	9.6397	0.8	A
9017	33406.26	57 36N	32 37E	87.4	192.2	1.690	30.10	53.8	SO312	.03070	8.4017	1.2	V
9018	33411.86	57 26N	32 35E	89.5	192.1	1.690	31.15	53.9	SO312	.03070	8.0964	1.4	A
9019	33419.66	56 41N	32 19E	90.2	191.9	1.690	32.90	54.6	SO312	.03070	8.1459	0.8	V
9020	33423.06	56 41N	32 19E	91.7	191.9	1.690	33.25	54.6	SO312	.03070	7.8983	0.8	A
9021	33440.06	55 17N	30 16E	74.8	191.5	2.181	1.05	55.6	SO312	.04070	9.7057	1.8	F
9022	33445.46	55 17N	30 17E	74.9	191.4	2.181	2.10	55.6	SO312	.04070	9.6892	2.4	A
9023	33452.66	54 24N	30 13E	76.3	191.3	2.181	9.45	56.4	SO312	.03070	9.5324	0.6	F
9024	33455.46	54 23N	30 13E	75.5	191.2	2.181	9.80	56.4	SO312	.04070	9.7387	0.6	V
9025	33460.66	54 0N	30 20E	78.1	191.1	2.037	16.80	56.8	SO312	.03070	9.4086	0.4	V
9026	33464.46	53 33N	30 13E	79.7	191.0	2.037	18.20	57.2	SO312	.03070	9.1280	0.6	F
9027	33467.46	53 32N	30 13E	78.9	191.0	2.037	18.55	57.3	SO312	.03070	9.3096	0.4	V
9028	33470.06	53 33N	30 13E	79.9	190.9	2.037	18.55	57.2	SO312	.03070	9.0702	0.8	A
9029	33478.66	53 3N	29 15E	74.6	190.8	2.181	-1.40	57.5	SO312	.03070	9.7222	0.6	A
9030	33485.06	52 28N	28 41E	74.7	190.7	2.181	-11.20	57.9	SO312	.03070	9.8377	0.6	V
9031	33487.86	52 27N	28 41E	75.5	190.6	2.181	-10.85	57.9	SO312	.03070	9.6314	0.6	A
9032	33504.66	50 45N	29 32E	85.8	190.4	2.181	26.95	59.7	SO312	.03070	8.4760	0.6	F
9033	33506.46	50 38N	29 29E	85.7	190.4	2.181	26.95	59.8	SO312	.03070	8.4843	1.0	F
9034	33509.46	50 38N	29 29E	85.0	190.3	2.181	27.30	59.8	SO312	.03070	8.6246	1.0	V
9035	33518.26	50 19N	28 38E	76.1	190.2	2.181	9.10	59.9	SO312	.03070	9.5241	1.2	A
9036	33527.26	49 37N	27 26E	77.0	190.0	2.181	-19.25	60.2	SO312	.03070	9.5406	1.2	V
9037	33530.66	49 34N	27 25E	77.7	190.0	2.390	-18.90	60.2	SO312	.03070	9.3508	2.2	A
9038	33547.46	47 54N	28 13E	80.5	189.8	2.390	19.25	62.0	SO312	.03070	9.0455	0.8	F
9039	33549.26	47 46N	28 10E	80.3	189.7	2.390	19.25	62.1	SO312	.03070	9.0702	0.4	F
9040	33553.26	47 54N	28 12E	80.8	189.7	2.181	19.95	62.0	SO312	.03070	8.9547	0.8	A
9041	33555.06	47 46N	28 10E	80.6	189.7	2.181	19.95	62.1	SO312	.03070	8.9712	0.4	A
9042	33568.26	46 35N	26 55E	74.9	189.5	2.530	-7.35	62.7	SO312	.03070	9.6974	1.4	F
9043	33573.66	46 35N	26 54E	74.8	189.4	2.530	-6.65	62.8	SO312	.03070	9.7057	1.2	A
9044	33593.86	45 1N	26 26E	74.1	189.2	2.530	-7.35	63.9	SO312	.03070	9.9038	0.6	V
9045	33596.66	45 1N	26 26E	75.0	189.2	2.530	-7.00	63.9	SO312	.03070	9.6809	0.4	A
9046	33601.86	44 29N	26 13E	74.5	189.1	2.530	-9.45	64.3	SO312	.03070	9.8625	0.6	V
9047	33604.66	44 28N	26 13E	75.3	189.1	2.530	-9.10	64.3	SO312	.03070	9.6397	0.6	A
9048	33614.46	43 18N	26 56E	83.1	189.0	2.390	23.10	65.6	SO312	.03070	8.7649	0.6	F
9049	33620.26	43 18N	26 57E	83.7	188.9	2.181	24.15	65.6	SO312	.03070	8.6576	0.6	A
9050	33626.86	42 42N	26 21E	76.2	188.9	2.390	11.20	65.9	SO312	.03070	9.6479	0.6	V
9051	33629.66	42 42N	26 21E	77.2	188.8	2.390	11.55	65.9	SO312	.03070	9.3838	0.6	A
9052	33641.86	41 36N	24 41E	86.2	188.7	2.181	-32.20	66.0	SO312	.03070	8.3687	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1426 9053	33644.86	41 37N	24 41E	85.1	188.7	2.390	-32.20	66.0	SO312	.03070	8.6246	0.6	V
9054	33651.06	41 9N	24 53E	79.5	188.6	2.530	-23.45	66.5	SO312	.03070	9.2270	0.4	V
9055	33653.86	41 10N	24 53E	80.3	188.6	2.530	-23.10	66.5	SO312	.03070	9.0455	0.6	A
9056	33700.66	37 59N	23 56E	83.8	188.2	2.530	-28.00	68.4	SO312	.01650	8.6741	1.0	A
9057	33774.06	32 29N	23 8E	78.2	187.7	2.881	-15.05	71.3	SO312	.01650	9.2518	0.8	F
9058	33776.86	32 29N	23 8E	77.2	187.7	2.881	-14.70	71.3	SO312	.02200	9.4911	0.8	V
1427 9001	38792.86	52 22N	6 43E	74.0	190.7	2.181	-6.65	58.0	SO312	.04070	9.9285	0.6	V
9002	38795.66	52 22N	6 43E	74.8	190.6	2.181	-6.30	58.0	SO312	.03070	9.7057	0.6	A
9003	38804.06	51 30N	5 25E	86.2	190.5	1.826	-31.50	58.5	SO312	.03070	8.3770	1.4	F
9004	38809.46	51 19N	5 37E	80.6	190.4	2.037	-25.55	58.7	SO312	.03070	9.1115	1.4	V
9005	38822.46	50 14N	7 5E	82.3	190.2	2.037	-24.15	60.1	SO312	.03070	8.9217	0.6	V
9006	38825.46	50 14N	7 5E	83.5	190.2	2.037	-24.50	60.1	SO312	.03070	8.6658	0.6	A
9007	38884.86	45 48N	5 29E	81.4	189.4	2.390	-20.65	63.7	SO312	.03070	8.9464	0.8	F
9008	38890.66	45 48N	5 29E	81.9	189.3	2.181	-21.70	63.7	SO312	.03070	8.8391	1.0	A
9009	38906.26	44 23N	4 45E	77.2	189.2	2.530	-11.55	64.6	SO312	.03070	9.4334	1.0	F
9010	38911.86	44 22N	4 44E	77.4	189.1	2.390	-12.25	64.7	SO312	.03070	9.3591	0.8	A
9011	38919.86	43 35N	4 58E	83.5	189.0	2.390	-24.85	65.4	SO312	.01650	8.7979	0.6	V
9012	38923.06	43 34N	4 58E	84.9	189.0	2.181	-25.55	65.4	SO312	.01650	8.5338	0.6	A
9013	39023.66	36 30N	2 49E	79.6	188.1	2.736	-17.15	70.0	SO312	.03070	9.2188	0.8	V
9014	39041.86	35 22N	1 29E	78.4	188.0	2.738	-20.65	69.9	SO312	.03070	9.3673	0.8	V
9015	39476.46	5 13N	3 43W	87.4	186.5	3.439	-2.45	63.9	SO312	.03070	8.2697	0.6	F
9016	39482.86	5 12N	3 43W	87.9	186.5	3.439	-3.50	63.9	SO312	.03070	8.1706	0.6	A
1429 9001	50181.86	1 20S	48 28W	101.4	186.5	2.881	-23.45	59.1	SO312	.03070	7.1390	2.2	F
9002	50186.06	1 22S	48 28W	100.8	186.5	2.881	-23.80	59.1	SO312	.03070	7.2215	0.6	V
9003	50189.86	1 22S	48 27W	103.2	186.5	2.881	-24.85	59.1	SO312	.02200	6.9244	1.2	A
9004	50218.46	3 43S	49 42W	92.2	186.5	3.587	-6.30	56.6	SO312	.03070	7.8075	1.0	F
9005	50484.46	22 8S	51 24W	137.6	187.0	2.181	-37.10	40.8	SO312	.02200	5.2243	1.4	F
9006	50490.46	21 50S	51 52W	122.6	187.0	2.390	-27.30	40.8	SO312	.03070	5.7608	1.4	A
9007	50508.26	23 3S	52 28W	113.1	187.1	2.881	-16.80	39.5	SO312	.03070	6.3385	1.2	F
9008	50513.26	23 23S	51 54W	131.8	187.1	2.037	-32.90	39.5	SO312	.02200	5.3564	1.4	A
9009	50539.06	25 30S	54 37W	120.8	187.2	3.232	-28.70	36.5	SO312	.04070	5.8846	0.8	F
9010	50543.66	25 32S	54 29W	116.2	187.2	3.439	-25.20	36.5	SO312	.03070	6.2064	1.4	V
9011	50550.46	25 43S	54 28W	116.6	187.3	3.587	-23.45	36.4	SO312	.03070	6.0991	1.0	A
9012	50612.46	30 19S	54 19W	113.1	187.5	2.881	6.30	32.5	SO312	.03070	6.3550	0.6	V
9013	50676.66	34 50S	56 9W	119.2	187.9	3.092	-15.05	27.9	SO312	.03070	5.9588	1.4	F
9014	50680.86	34 49S	56 10W	118.2	187.9	3.092	-15.05	27.9	SO312	.03070	6.0744	1.4	V
9015	50690.06	35 19S	57 17W	137.3	188.0	2.881	-34.65	27.1	SO312	.03070	5.2326	1.2	V
9016	50695.26	35 19S	57 17W	138.6	188.0	3.092	-34.30	27.1	SO312	.03070	5.1253	1.0	A
9017	50725.06	37 43S	57 25W	128.3	188.2	2.881	-25.55	24.9	SO312	.03070	5.5792	0.4	V
9018	50729.86	37 43S	57 24W	129.7	188.3	3.092	-25.20	25.0	SO312	.03070	5.4637	0.4	A
1430 9001	55306.46	11 26N	69 40W	89.6	186.5	3.439	-25.90	67.7	SO312	.03070	8.1459	0.8	V
9002	55314.66	10 52N	69 38W	86.5	186.6	3.439	-20.65	67.4	SO312	.03070	8.4430	1.4	V
9003	55322.46	10 4N	69 20W	84.2	186.6	3.439	-3.85	67.3	SO312	.03070	8.5915	0.4	F
9004	55325.46	10 4N	69 21W	83.0	186.6	3.439	-4.20	67.3	SO312	.03070	8.7979	0.8	V
9005	55328.46	10 5N	69 21W	84.1	186.6	3.439	-3.85	67.3	SO312	.03070	8.5668	1.0	A
9006	55335.46	9 35N	69 14W	85.5	186.6	3.439	-4.55	67.1	SO312	.03070	8.4182	0.8	A
9007	55343.66	9 4N	69 44W	85.9	186.6	3.587	-12.25	66.4	SO312	.03070	8.4017	1.0	A
9008	55351.06	8 3N	69 20W	87.6	186.6	3.232	-10.15	66.2	SO312	.03070	8.2614	1.4	F
9009	55361.46	7 46N	69 17W	90.1	186.6	3.092	-14.70	66.1	SO312	.03070	7.9643	0.6	A
9010	55367.86	7 8N	69 35W	86.2	186.6	3.232	-7.00	65.4	SO312	.03070	8.4678	1.4	V
9011	55376.66	6 22N	70 12W	87.1	186.6	3.587	-12.60	64.5	SO312	.03070	8.2779	1.4	F
9012	55418.66	3 36N	69 47W	95.9	186.5	2.881	-22.05	63.1	SO312	.02200	7.6094	1.0	V
9013	55475.66	0 24S	72 7W	107.6	186.5	3.232	-36.05	58.8	SO312	.02200	6.6438	0.8	F
9014	55487.26	1 3S	71 5W	90.3	186.5	3.439	-4.20	59.0	SO312	.03070	8.0551	0.8	V
9015	55500.66	2 14S	71 4W	94.5	186.5	3.232	-11.90	58.1	SO312	.03070	7.6507	0.8	F
9016	55511.46	2 22S	72 10W	99.5	186.5	3.587	-26.25	57.4	SO312	.03070	7.2381	1.0	A
1431 5001	60193.26	39 58N	86 5W	83.3	188.5	2.390	-28.00	67.1	SO312	.02210	8.6749	3.6	F
5002	60200.66	39 52N	86 7W	83.0	188.4	2.390	-27.30	67.2	SO312	.02210	8.7657	3.8	A
9001	60193.06	39 58N	86 5W	83.4	188.5	2.390	-28.00	67.1	SO312	.02200	8.6741	3.8	F
9002	60200.46	39 52N	86 7W	83.0	188.4	2.390	-27.30	67.2	SO312	.02200	8.7649	3.8	A
1435 9001	82676.06	45 10S	169 23E	128.7	189.3	2.530	4.90	18.4	SO312	.04070	5.4554	1.4	A
1437 5001	6395.06	12 15S	133 20E	127.5	186.7	2.390	36.40	49.9	SO312	.02210	5.6539	1.0	F
5002	6399.46	12 15S	133 21E	127.3	186.7	2.181	37.10	49.9	SO312	.02210	5.6952	1.2	V
9001	5544.86	46 39N	142 47E	86.0	189.5	2.037	-32.90	62.3	SO312	.02200	8.5420	0.8	V
9002	5548.06	46 39N	142 47E	86.7	189.4	2.037	-32.55	62.3	SO312	.02200	8.4017	0.8	A
9003	6406.06	12 40S	132 54E	114.6	186.7	2.390	28.35	49.3	SO312	.02200	6.3137	0.6	V
9004	6410.26	12 39S	132 54E	116.7	186.7	2.390	28.70	49.3	SO312	.02200	6.0744	0.6	A
1438 9001	10859.46	46 0N	122 32E	83.9	189.4	2.181	26.25	63.5	SO312	.03070	8.7731	0.6	V
9002	10862.46	46 0N	122 32E	85.2	189.4	2.181	26.60	63.5	SO312	.03070	8.5090	0.6	A
9003	10982.46	37 46N	120 56E	107.6	188.2	1.826	43.05	69.7	SO312	.02200	6.7264	0.4	A
9004	11000.66	36 17N	120 22E	100.2	188.1	2.037	39.20	70.5	SO312	.01650	7.3288	0.4	V
9005	11004.46	36 16N	120 23E	102.3	188.1	1.826	39.90	70.5	SO312	.01650	7.0647	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1438 9006	11009.26	35 57N	120 8E	96.8	188.0	2.037	36.05	70.6	SO312	.01650	7.4526	0.4	A
9007	11059.46	32 6N	118 47E	85.0	187.7	2.738	23.10	72.1	SO312	.03070	8.5668	0.6	F
9008	11062.46	32 7N	118 46E	84.1	187.7	2.738	23.10	72.1	SO312	.03070	8.7318	0.6	V
9009	11067.26	31 60N	118 45E	85.5	187.7	2.530	23.80	72.2	SO312	.02200	8.4512	0.6	A
9010	11117.46	28 16N	116 36E	84.2	187.4	2.881	-26.25	72.1	SO312	.02200	8.5750	0.8	F
9011	11125.06	27 45N	116 34E	83.0	187.4	2.881	-24.15	72.3	SO312	.03070	8.6988	0.6	F
9012	11132.86	27 33N	116 57E	77.4	187.3	3.232	-7.35	72.7	SO312	.03070	9.3673	0.4	A
9013	11136.46	27 19N	116 54E	77.8	187.3	3.232	-7.70	72.7	SO312	.03070	9.3096	0.6	A
9014	11148.46	26 28N	116 57E	77.8	187.3	3.232	1.40	73.0	SO312	.03070	9.3013	0.4	A
9015	11181.26	23 45N	116 54E	84.6	187.1	3.092	18.55	73.4	SO312	.03070	8.5915	1.0	F
9016	11188.26	23 42N	116 41E	81.7	187.1	3.092	12.25	73.2	SO312	.03070	8.8309	0.8	A
9017	11192.46	23 24N	116 44E	83.7	187.1	2.881	16.45	73.3	SO312	.03070	8.6246	0.6	A
9018	11363.26	11 28N	114 24E	85.8	186.6	3.232	11.90	68.5	SO312	.03070	8.5173	0.4	V
9019	11366.46	11 27N	114 25E	87.3	186.6	3.232	12.60	68.5	SO312	.03070	8.2449	0.4	A
9020	11381.46	10 11N	114 22E	89.9	186.6	3.092	18.55	67.8	SO312	.03070	8.1211	0.4	V
9021	11384.66	10 12N	114 22E	91.7	186.6	2.881	19.60	67.9	SO312	.02200	7.8405	0.4	A
9022	11480.06	3 12N	113 3E	92.6	186.5	3.232	14.70	62.7	SO312	.03070	7.8158	0.6	F
9023	11483.26	3 12N	113 4E	92.1	186.5	3.232	15.40	62.7	SO312	.03070	7.9148	0.6	V
1439 9001	15996.06	58 4N	102 50E	82.0	192.2	1.826	-26.25	52.8	SO312	.03070	8.8804	0.6	A
9002	16055.26	53 28N	102 37E	77.7	191.0	2.181	14.70	57.2	SO312	.03070	9.3756	0.8	F
9003	16060.86	53 28N	102 37E	77.9	190.9	2.037	15.40	57.2	SO312	.03070	9.3096	0.8	A
9004	16069.26	52 49N	103 29E	98.5	190.8	1.690	38.85	58.0	SO312	.03070	7.3371	0.4	A
9005	16245.26	40 35N	99 28E	100.9	188.6	2.037	40.60	67.8	SO312	.02200	7.2878	0.4	V
9006	16249.06	40 34N	99 28E	103.0	188.6	1.826	41.30	67.8	SO312	.02200	7.0235	0.4	A
9007	16291.66	37 22N	97 23E	74.3	188.2	2.881	5.95	69.2	SO312	.03070	9.7882	0.6	F
9008	16294.26	37 22N	97 23E	73.9	188.2	2.881	6.30	69.2	SO312	.03070	9.9450	0.6	V
9009	16297.06	37 22N	97 23E	74.9	188.2	2.881	6.65	69.2	SO312	.03070	9.6809	0.4	A
1440 9001	21292.45	58 21N	82 54E	79.5	192.5	1.826	19.60	52.9	SO312	.03070	9.2518	0.4	V
9002	21295.45	58 20N	82 54E	80.6	192.4	1.826	19.95	52.9	SO312	.03070	9.0042	0.4	A
9003	21374.25	53 1N	78 39E	82.1	190.8	1.826	-28.00	57.2	SO312	.02200	8.9299	0.6	V
9004	21377.25	53 1N	78 39E	82.9	190.8	2.037	-28.00	57.2	SO312	.02200	8.7731	0.6	A
9005	21403.25	50 47N	78 31E	75.6	190.3	2.181	-12.60	59.2	SO312	.03070	9.5819	1.0	F
9006	21408.65	50 47N	78 31E	75.5	190.3	2.390	-12.25	59.2	SO312	.03070	9.6232	1.0	A
9007	21416.25	49 55N	77 59E	77.8	190.1	2.181	-19.60	59.8	SO312	.03070	9.3013	0.6	F
9008	21419.05	49 55N	77 59E	76.8	190.1	2.181	-19.25	59.8	SO312	.03070	9.5571	0.6	V
9009	21422.05	49 54N	77 58E	77.5	190.1	2.181	-18.90	59.9	SO312	.03070	9.3756	0.4	A
9010	21492.65	44 30N	77 57E	86.6	189.2	2.390	28.35	64.7	SO312	.03070	8.4100	0.6	F
9011	21495.85	44 29N	77 57E	86.1	189.1	2.181	29.05	64.7	SO312	.03070	8.5503	0.4	V
9012	21501.65	44 19N	77 49E	85.5	189.1	2.181	27.30	64.8	SO312	.02200	8.4760	0.6	A
9013	21510.05	43 24N	76 59E	76.7	189.0	2.738	10.15	65.2	SO312	.03070	9.4829	2.2	F
9014	21515.65	43 24N	76 59E	77.0	188.9	2.530	11.20	65.3	SO312	.03070	9.4168	2.2	A
9015	21654.05	33 39N	73 7E	92.7	187.8	2.390	-37.10	70.2	SO312	.02200	7.7828	0.8	F
9016	21657.25	33 39N	73 7E	91.3	187.8	2.390	-36.75	70.2	SO312	.02200	8.0303	0.8	V
9017	21670.85	32 32N	74 34E	82.2	187.7	2.738	20.65	71.9	SO312	.02200	8.9217	0.4	V
9018	21673.85	32 32N	74 34E	83.5	187.7	2.738	21.00	71.9	SO312	.02200	8.6493	0.4	A
9019	21679.45	31 40N	74 48E	94.2	187.7	2.530	32.90	72.5	SO312	.02200	7.7415	0.6	F
9020	21686.25	31 40N	74 48E	95.2	187.6	2.181	33.95	72.6	SO312	.02200	7.5847	0.6	A
1441 9001	26526.25	63 13N	63 27E	78.2	194.6	1.690	16.10	48.4	SO312	.04070	9.4003	0.8	V
9002	26529.25	63 13N	63 27E	79.2	194.5	1.690	16.45	48.4	SO312	.04070	9.1527	0.8	A
9003	26550.25	61 18N	63 9E	90.1	193.8	1.690	31.50	50.2	SO312	.02200	8.0799	0.8	F
9004	26556.65	61 18N	63 10E	90.9	193.6	1.484	32.55	50.3	SO312	.02200	7.9808	0.8	A
9005	26597.85	58 10N	60 57E	83.3	192.5	1.826	24.15	53.1	SO312	.03070	8.7484	0.6	F
9006	26600.65	58 11N	60 57E	82.6	192.4	1.826	24.50	53.1	SO312	.03070	8.9134	0.6	V
9007	26605.85	57 53N	60 21E	77.1	192.3	1.826	15.05	53.3	SO312	.04070	9.5324	0.4	V
9008	26608.85	57 52N	60 21E	78.2	192.2	1.826	15.40	53.3	SO312	.03070	9.2765	0.4	A
9009	26616.45	57 5N	60 43E	87.4	192.1	1.690	30.45	54.1	SO312	.03070	8.4100	0.4	V
9010	26619.65	57 5N	60 42E	88.4	192.0	1.690	30.45	54.1	SO312	.03070	8.1871	0.4	A
9011	26623.45	56 50N	60 30E	87.2	191.9	1.690	29.05	54.3	SO312	.02200	8.3027	0.4	A
9012	26630.45	56 5N	60 37E	94.7	191.8	1.690	36.75	55.0	SO312	.03070	7.7662	0.4	V
9013	26633.85	56 6N	60 38E	96.5	191.7	1.484	37.45	55.0	SO312	.03070	7.5187	0.4	A
9014	26641.45	55 10N	59 56E	90.1	191.5	1.826	32.20	55.8	SO312	.03070	8.1046	0.6	F
9015	26644.65	55 10N	59 56E	89.4	191.5	1.826	32.55	55.8	SO312	.03070	8.2367	0.6	V
9016	26654.25	54 50N	58 38E	75.3	191.3	2.037	7.35	55.9	SO312	.04070	9.6314	1.2	A
9017	26672.85	53 29N	59 5E	88.5	190.9	1.826	30.45	57.3	SO312	.03070	8.1954	0.6	A
9018	26700.05	51 51N	56 23E	79.3	190.5	2.181	-22.40	58.2	SO312	.03070	9.1775	0.4	A
9019	26742.25	48 29N	57 45E	101.0	189.9	1.690	40.95	61.7	SO312	.02200	7.2793	0.4	V
9020	26746.05	48 29N	57 45E	102.8	189.8	1.690	41.30	61.7	SO312	.02200	7.0317	0.4	A
9021	26809.25	43 55N	54 51E	74.8	189.1	2.530	4.55	64.8	SO312	.03070	9.7222	0.8	F
9022	26814.45	43 55N	54 51E	75.0	189.0	2.530	5.25	64.8	SO312	.03070	9.6727	1.0	A
9023	26866.05	40 6N	53 1E	79.9	188.5	2.530	-22.40	67.1	SO312	.01650	9.0537	0.8	F
9024	26868.85	40 6N	53 1E	78.8	188.5	2.530	-22.05	67.1	SO312	.02200	9.3013	1.0	V
1442 9001	31811.05	64 39N	39 51E	85.0	195.3	1.338	-28.70	46.8	SO312	.04070	8.5090	0.6	F
9002	31814.05	64 39N	39 51E	83.7	195.2	1.338	-28.35	46.8	SO312	.04070	8.7649	1.4	V
9003	31817.65	64 37N	39 51E	84.4	195.1	1.338	-28.00	46.9	SO312	.04070	8.6081	0.8	A
9004	31889.45	59 12N	38 44E	76.7	192.8	2.037	10.85	52.0	SO312	.04070	9.4829	1.0	F
9005	31895.05	59 11N	38 45E	76.9	192.7	1.826	11.90	52.1	SO312	.04070	9.4334	0.8	A
9006	31904.65	58 5N	38 49E	83.5	192.5	1.826	24.50	53.1	SO312	.03070	8.7318	0.6	F
9007	31907.45	58 5N	38 49E	82.8	192.4	1.826	24.85	53.1	SO312	.03070	8.8887	0.8	V
9008	31910.45	58 6N	38 48E	83.5	192.3	1.826	24.50	53.1	SO312	.03070	8.6906	0.6	A
9009	31918.05	57 15N	37 55E	77.6	192.2	2.037	14.00	53.8	SO312	.03070	9.3673	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1442 9010	31920.85	57 15N	37 55E	76.9	192.1	2.037	14.35	53.8	SO312	.04070	9.5571	0.4	V
9011	31928.25	56 29N	38 7E	84.6	191.9	2.037	25.90	54.6	SO312	.03070	8.6081	0.6	F
9012	31931.25	56 29N	38 6E	83.7	191.9	1.826	26.25	54.6	SO312	.03070	8.7979	0.6	V
9013	31936.25	55 57N	37 48E	83.7	191.8	2.037	24.85	55.1	SO312	.03070	8.6906	2.6	F
9014	31942.25	55 57N	37 49E	84.4	191.6	1.826	25.90	55.1	SO312	.03070	8.5915	0.8	A
9015	31946.85	55 15N	37 19E	81.0	191.5	2.037	21.00	55.6	SO312	.03070	8.9877	1.2	F
9016	31952.65	55 15N	37 19E	81.5	191.4	1.826	22.05	55.6	SO312	.03070	8.8969	1.2	A
9017	31963.85	54 28N	35 24E	76.7	191.2	2.037	-18.55	56.0	SO312	.03070	9.5737	1.2	V
9018	31967.45	54 25N	35 23E	77.4	191.1	2.037	-18.20	56.1	SO312	.03070	9.3838	0.4	A
9019	31972.05	54 9N	34 60E	80.7	191.1	2.037	-24.85	56.2	SO312	.03070	9.0042	2.2	A
9020	31978.65	53 19N	34 24E	85.8	190.9	1.826	-31.50	56.9	SO312	.03070	8.4430	1.4	F
9021	31984.85	53 19N	34 24E	85.3	190.8	2.037	-31.15	56.9	SO312	.03070	8.5255	1.4	A
9022	32008.05	51 45N	33 44E	87.8	190.4	2.037	-33.95	58.2	SO312	.03070	8.2779	0.4	A
9023	32017.05	50 38N	34 26E	74.7	190.3	2.181	-7.70	59.4	SO312	.03070	9.7057	0.6	F
9024	32022.45	50 37N	34 25E	74.6	190.2	2.390	-7.35	59.4	SO312	.03070	9.7305	0.6	A
9025	32030.65	49 39N	34 30E	74.8	190.1	2.390	3.85	60.3	SO312	.03070	9.7140	0.6	F
9026	32036.05	49 39N	34 30E	74.9	190.0	2.390	4.55	60.3	SO312	.03070	9.6809	0.6	A
9027	32046.05	48 28N	35 2E	87.0	189.9	2.181	28.70	61.5	SO312	.03070	8.3852	0.4	F
9028	32050.05	48 23N	35 7E	88.8	189.8	2.181	31.50	61.6	SO312	.03070	8.2944	0.8	V
9029	32053.45	48 23N	35 7E	90.2	189.8	1.826	32.20	61.6	SO312	.03070	8.0303	0.8	A
9030	32056.65	47 56N	34 59E	89.1	189.8	2.037	31.85	62.0	SO312	.03070	8.2532	0.6	V
9031	32060.05	47 56N	34 58E	90.3	189.7	1.826	32.20	62.0	SO312	.03070	8.0303	0.4	A
9032	32066.05	47 32N	34 36E	85.1	189.6	2.037	26.60	62.2	SO312	.03070	8.5008	0.8	A
9033	32078.25	46 48N	33 21E	74.5	189.5	2.530	-2.45	62.5	SO312	.03070	9.7387	1.2	A
9034	32102.85	44 37N	33 37E	83.7	189.2	2.390	24.15	64.5	SO312	.04070	8.7071	0.6	F
9035	32105.85	44 37N	33 36E	82.6	189.2	2.181	24.15	64.5	SO312	.04070	8.8804	0.6	V
9036	32107.25	44 32N	33 34E	82.6	189.2	2.181	24.15	64.6	SO312	.04070	8.8804	0.8	V
9037	32110.25	44 32N	33 34E	83.8	189.1	2.181	24.50	64.6	SO312	.03070	8.6163	0.8	A
9038	32300.25	31 19N	30 3E	82.1	187.6	2.738	19.60	72.3	SO312	.01650	8.9382	0.4	V
9039	32303.25	31 19N	30 3E	83.3	187.6	2.738	19.95	72.3	SO312	.01650	8.6658	0.4	A
9040	33254.25	33 56S	18 36E	137.1	187.8	2.037	30.45	29.6	SO312	.03070	5.2161	1.0	V
9041	33259.45	33 56S	18 37E	140.1	187.9	1.826	31.15	29.6	SO312	.03070	5.0180	1.0	A
1443 9001	37270.85	54 4N	13 48E	74.4	191.2	2.181	-2.10	56.5	SO312	.04070	9.7552	0.6	F
9002	37273.45	54 4N	13 48E	73.6	191.1	2.181	-1.75	56.5	SO312	.04070	9.9863	0.6	V
9003	37276.25	54 4N	13 48E	74.4	191.1	2.181	-1.40	56.5	SO312	.04070	9.7552	0.4	A
9004	37287.45	53 13N	12 32E	80.4	190.9	1.826	-25.55	57.0	SO312	.03070	9.1197	0.4	V
9005	37290.45	53 13N	12 32E	81.2	190.8	2.037	-25.55	57.0	SO312	.03070	8.9547	0.4	A
9006	37295.05	52 44N	12 0E	86.4	190.7	1.826	-33.25	57.3	SO312	.03070	8.5090	0.4	V
9007	37305.25	51 53N	13 11E	73.9	190.6	2.181	4.20	58.4	SO312	.04070	9.9368	0.6	V
9008	37308.05	51 53N	13 11E	74.9	190.5	2.181	4.55	58.4	SO312	.03070	9.6974	0.4	A
9009	37316.05	51 28N	11 57E	80.6	190.4	2.181	-24.85	58.5	SO312	.03070	9.0290	0.6	A
9010	37322.05	50 48N	12 15E	74.3	190.3	2.181	-11.55	59.2	SO312	.03070	9.8873	0.4	V
9011	37324.85	50 48N	12 14E	75.1	190.3	2.181	-11.20	59.2	SO312	.03070	9.6727	0.4	A
9012	37326.65	50 41N	12 12E	75.3	190.2	2.181	-11.20	59.3	SO312	.03070	9.6479	0.4	A
9013	37331.85	50 6N	12 22E	73.3	190.2	2.390	-1.05	59.9	SO312	.03070	10.0276	0.6	V
9014	37334.65	50 5N	12 22E	74.2	190.1	2.390	-0.70	59.9	SO312	.03070	9.7882	0.6	A
9015	37343.85	49 24N	12 42E	77.9	190.0	2.181	16.10	60.6	SO312	.03070	9.3096	0.6	A
9016	37392.85	46 14N	10 11E	83.3	189.4	2.390	-28.70	62.6	SO312	.03070	8.7318	0.6	A
9017	37426.85	44 37N	10 19E	73.8	189.0	2.530	-2.80	64.9	SO312	.03070	9.9450	1.0	V
9018	37430.05	43 35N	10 19E	74.7	189.0	2.530	-2.45	64.9	SO312	.03070	9.7140	0.8	A
9019	37480.85	39 43N	9 27E	75.0	188.5	2.738	2.10	67.7	SO312	.02200	9.6809	0.8	F
9020	37486.25	39 43N	9 26E	75.2	188.4	2.738	2.80	67.7	SO312	.02200	9.6397	0.8	A
1445 9001	48957.25	20 9S	44 52W	133.1	186.9	2.181	36.05	42.7	SO312	.02200	5.4059	1.0	F
9002	48985.85	21 53S	46 34W	105.6	187.0	3.232	-0.35	40.5	SO312	.03070	6.7759	0.6	F
9003	48989.65	21 53S	46 34W	104.7	187.0	3.232	0.00	40.5	SO312	.03070	6.8914	0.6	V
9004	49003.05	23 11S	45 50W	122.1	187.1	2.530	26.60	39.7	SO312	.03070	5.8763	1.4	F
9005	49007.45	23 12S	45 50W	121.4	187.1	2.530	26.95	39.7	SO312	.03070	5.9423	1.4	V
9006	49014.85	23 37S	46 40W	107.2	187.1	3.092	7.00	38.9	SO312	.03070	6.7264	0.6	V
9007	49018.85	23 37S	46 40W	108.9	187.1	3.092	7.35	38.9	SO312	.03070	6.5035	0.6	A
9008	49089.65	28 15S	48 41W	117.8	187.4	3.439	-22.05	34.1	SO312	.03070	6.0331	1.0	A
1446 9001	54163.05	13 11S	66 21W	108.1	186.7	2.738	22.40	48.8	SO312	.03070	6.6851	1.4	V
9002	54169.05	13 55S	66 12W	117.0	186.7	2.738	29.05	48.3	SO312	.02200	6.1404	1.4	F
9003	54176.65	13 49S	66 45W	104.1	186.7	3.092	14.00	48.1	SO312	.03070	6.8254	1.4	A
9004	54179.85	14 2S	66 47W	104.4	186.7	3.092	14.00	47.9	SO312	.03070	6.8089	1.4	A
9005	54193.45	15 26S	67 25W	100.3	186.7	3.439	0.35	46.4	SO312	.03070	7.1473	1.6	F
9006	54244.65	18 9S	69 30W	131.4	186.9	3.439	-41.30	43.2	SO312	.01650	5.4472	0.6	A
9007	54275.25	20 11S	70 7W	140.9	187.0	3.232	-44.45	41.7	SO312	.02200	5.0675	1.2	A
9008	54361.25	26 16S	69 45W	108.8	187.3	3.232	-5.95	36.3	SO312	.02200	6.5200	1.4	A
9009	54452.85	32 46S	70 38W	114.3	187.7	2.738	6.65	30.3	SO312	.03070	6.2725	1.4	V
9010	54458.85	33 26S	70 55W	114.3	187.8	2.881	2.80	29.6	SO312	.03070	6.2312	0.6	F
9011	54467.25	33 26S	70 56W	115.2	187.8	2.881	3.50	29.7	SO312	.03070	6.1322	0.6	A
9012	54494.25	35 15S	71 14W	118.2	188.0	2.738	5.95	28.6	SO312	.03070	5.9671	0.6	A
1447 9001	58934.85	23 2N	82 38W	78.9	187.1	3.232	0.70	72.9	SO312	.03070	9.1940	0.4	F
9002	58936.05	22 57N	82 39W	78.8	187.1	3.232	0.70	72.9	SO312	.03070	9.2023	0.4	F
9003	58939.25	22 56N	82 41W	78.0	187.1	3.232	-0.35	72.9	SO312	.03070	9.3921	0.4	V
9004	58942.05	22 56N	82 41W	79.0	187.1	3.232	0.00	72.9	SO312	.03070	9.1445	0.6	A
9005	58960.65	21 40N	82 57W	79.5	187.0	3.232	-0.35	72.7	SO312	.04070	9.0867	0.6	A
9006	59094.65	12 12N	84 14W	87.8	186.7	3.092	17.15	69.1	SO312	.03070	8.3192	0.8	V
1448 5001	64274.05	20 38N	105 14W	78.8	187.0	3.232	-0.70	72.4	SO312	.03080	9.2939	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1448 5002	64276.85	20 38N	105 14W	79.9	186.9	3.232	-0.35	72.4	SO312	.03080	9.0628	0.6	A
9001	64269.85	20 43N	105 14W	79.6	187.0	3.232	-2.45	72.4	SO312	.03070	9.1032	1.0	F
1453 9001	4040.25	46 14N	150 34E	76.6	189.4	2.390	13.65	63.0	SO312	.02200	9.5984	0.4	V
9002	4043.05	46 14N	150 34E	77.6	189.4	2.390	14.00	63.0	SO312	.02200	9.3343	0.4	A
1454 9001	9267.05	51 46N	128 29E	88.3	190.6	1.690	-33.95	58.0	SO312	.03070	8.1954	0.4	F
9002	9270.25	51 46N	128 30E	86.9	190.5	1.690	-33.80	58.0	SO312	.03070	8.4512	0.4	V
9003	9277.25	51 15N	128 40E	80.7	190.4	2.037	-26.25	58.6	SO312	.03070	9.0950	0.4	V
9004	9280.05	51 15N	128 41E	81.5	190.3	2.037	-25.90	58.6	SO312	.03070	8.9382	0.4	A
9005	9284.85	50 56N	128 31E	82.2	190.3	2.037	-26.95	58.8	SO312	.03070	8.8556	1.2	A
9006	9293.25	50 16N	128 59E	74.8	190.2	2.390	-9.10	59.5	SO312	.03070	9.7140	0.4	A
9007	9439.45	39 56N	127 17E	89.1	188.5	2.181	31.50	67.9	SO312	.02200	8.2614	0.6	V
9008	9454.05	39 3N	126 3E	74.2	188.4	2.738	0.00	68.0	SO312	.03070	9.8955	0.4	V
9009	9456.85	39 3N	126 3E	75.1	188.4	2.738	0.35	68.0	SO312	.03070	9.6562	0.4	A
9010	9468.85	37 57N	126 30E	83.1	188.3	2.530	23.80	69.0	SO312	.03070	8.8556	0.4	V
9011	9471.85	37 58N	126 30E	84.4	188.2	2.530	24.15	69.1	SO312	.03070	8.5833	0.4	A
1455 9001	14426.25	61 35N	113 1E	79.5	193.9	1.826	17.15	49.8	SO312	.04070	9.1610	1.0	F
9002	14431.85	61 36N	113 1E	79.7	193.7	1.690	17.85	49.8	SO312	.04070	9.1032	1.2	A
9003	14571.45	51 52N	107 49E	74.3	190.6	2.181	1.40	58.3	SO312	.03070	9.7800	0.6	F
9004	14574.05	51 52N	107 49E	73.5	190.6	2.181	1.75	58.3	SO312	.04070	10.0028	0.6	V
9005	14576.85	51 51N	107 49E	74.4	190.5	2.181	2.10	58.3	SO312	.03070	9.7635	0.4	A
9006	14586.45	51 21N	106 28E	84.3	190.4	2.037	-29.05	58.4	SO312	.03070	8.7236	0.6	A
9007	14593.05	50 43N	106 5E	85.7	190.3	1.826	-32.90	58.9	SO312	.02200	8.5750	0.4	V
9008	14596.25	50 42N	106 6E	86.2	190.2	2.037	-32.55	58.9	SO312	.02200	8.4347	0.4	A
9009	14635.25	47 51N	106 40E	75.2	189.7	2.390	8.40	61.7	SO312	.03070	9.6479	0.4	A
9010	14776.05	37 57N	102 38E	88.0	188.3	2.390	-33.60	68.1	SO312	.02200	8.2119	0.6	F
9011	14779.05	37 58N	102 39E	86.6	188.2	2.390	-33.25	68.1	SO312	.02200	8.4678	0.6	V
9012	14783.25	37 39N	102 45E	81.8	188.2	2.390	-28.35	68.3	SO312	.03070	8.9712	0.6	V
9013	14786.25	37 39N	102 45E	82.5	188.2	2.390	-28.00	68.4	SO312	.03070	8.8144	0.6	A
9014	14803.05	36 10N	103 32E	75.8	188.1	2.738	10.50	69.8	SO312	.02200	9.6892	0.6	V
9015	14805.85	36 10N	103 32E	76.8	188.0	2.738	10.85	69.9	SO312	.02200	9.4251	0.6	A
9016	14918.25	28 13N	102 7E	84.2	187.4	2.738	23.45	73.2	SO312	.03070	8.7153	0.4	V
9017	14921.25	28 13N	102 8E	85.6	187.4	2.530	24.15	73.2	SO312	.03070	8.4347	0.4	A
1456 9001	19827.05	55 27N	85 60E	81.6	191.5	1.826	-25.55	55.0	SO312	.03070	8.8639	0.8	F
9002	19832.85	55 27N	85 59E	81.4	191.4	2.037	-25.55	55.0	SO312	.03070	8.9382	1.0	A
9003	19869.05	52 34N	85 12E	77.9	190.8	2.037	-19.25	57.5	SO312	.03070	9.2931	0.6	F
9004	19872.45	52 32N	85 6E	77.8	190.7	2.037	-21.00	57.5	SO312	.03070	9.4416	0.6	V
9005	19875.25	52 32N	85 6E	78.5	190.6	2.037	-20.65	57.5	SO312	.03070	9.2600	0.6	A
9006	20003.25	43 39N	81 43E	91.4	189.0	2.037	-38.15	64.2	SO312	.02200	8.0303	0.6	V
9007	20006.64	43 39N	81 42E	92.5	188.9	2.037	-38.15	64.2	SO312	.02200	7.8735	0.6	A
9008	20485.85	10 5N	76 23E	89.3	186.6	3.232	16.10	67.8	SO312	.03070	8.1294	0.6	F
9009	20489.05	10 5N	76 23E	88.6	186.6	3.232	16.45	67.8	SO312	.03070	8.2532	0.4	V
1457 9001	25042.84	61 44N	67 5E	77.9	193.8	1.484	-19.25	49.4	SO312	.04070	9.4251	0.4	V
9002	25045.64	61 44N	67 5E	78.8	193.7	1.690	-19.25	49.4	SO312	.04070	9.2270	0.4	A
9003	25101.24	57 43N	65 42E	74.0	192.2	2.037	-5.95	53.1	SO312	.04070	9.9285	0.6	V
9004	25104.04	57 43N	65 42E	74.8	192.1	2.037	-5.60	53.1	SO312	.04070	9.7057	0.6	A
9005	25269.84	46 4N	63 3E	96.2	189.4	2.037	37.45	63.5	SO312	.02200	7.6425	0.4	V
9006	25273.44	46 3N	63 3E	97.5	189.4	1.826	37.80	63.5	SO312	.02200	7.4279	0.4	A
9007	25391.24	38 2N	58 21E	89.0	188.3	2.390	-35.35	68.0	SO312	.01650	8.2449	1.2	V
9008	25394.64	38 1N	58 21E	89.7	188.2	2.390	-35.00	68.0	SO312	.01650	8.1129	1.0	A
1458 9001	30169.04	73 25N	54 56E	82.8	203.3	0.787	-22.40	38.3	SO312	.04070	8.7236	2.0	F
9002	30174.84	73 26N	54 57E	82.6	202.8	0.787	-22.05	38.3	SO312	.04070	8.7896	2.2	A
9003	30408.04	57 31N	42 39E	81.7	192.2	1.690	-25.55	53.2	SO312	.03070	8.8556	0.6	F
9004	30410.84	57 32N	42 39E	80.5	192.1	1.690	-25.20	53.2	SO312	.03070	9.1197	0.6	V
9005	30420.44	56 34N	43 30E	75.0	191.9	2.037	4.20	54.2	SO312	.04070	9.6809	1.0	F
9006	30426.04	56 33N	43 30E	75.1	191.8	2.037	4.90	54.2	SO312	.04070	9.6644	0.6	A
9007	30430.44	56 16N	43 12E	74.6	191.7	2.037	0.70	54.5	SO312	.04070	9.7305	0.4	A
9008	30438.64	55 52N	41 46E	83.9	191.5	1.826	-29.05	54.6	SO312	.03070	8.6823	0.4	A
9009	30477.44	52 45N	41 26E	75.0	190.8	2.181	-9.45	57.4	SO312	.03070	9.6809	0.6	F
9010	30480.04	52 45N	41 26E	74.0	190.8	2.181	-9.10	57.4	SO312	.04070	9.9285	0.6	V
9011	30494.84	51 27N	41 57E	79.3	190.5	2.181	17.85	58.8	SO312	.03070	9.1693	0.8	F
9012	30497.64	51 27N	41 57E	78.5	190.5	2.181	18.20	58.8	SO312	.03070	9.3508	1.4	V
9013	30501.44	51 23N	41 56E	79.6	190.4	2.181	18.55	58.8	SO312	.03070	9.0950	0.4	A
9014	30536.84	48 59N	39 7E	88.4	189.9	1.826	-35.35	60.2	SO312	.03070	8.3109	0.8	V
9015	30540.24	48 59N	39 7E	88.9	189.9	2.037	-35.00	60.3	SO312	.03070	8.1871	0.6	A
9016	30548.04	48 19N	39 46E	75.9	189.8	2.390	-13.65	61.0	SO312	.03070	9.5819	1.0	A
9017	30557.04	47 19N	39 39E	74.8	189.6	2.390	-6.40	61.9	SO312	.03070	9.6892	1.0	F
9018	30562.44	47 19N	39 39E	74.8	189.6	2.390	-7.70	61.9	SO312	.03070	9.7140	1.0	A
9019	30567.64	46 35N	39 33E	74.5	189.5	2.390	-4.55	62.5	SO312	.03070	9.7387	1.0	F
9020	30573.04	46 35N	39 34E	74.5	189.4	2.390	-3.50	62.5	SO312	.03070	9.7470	1.0	A
9021	30583.44	45 29N	39 26E	74.7	189.3	2.530	1.75	63.4	SO312	.03070	9.7222	0.8	F
9022	30588.84	45 28N	39 26E	74.8	189.3	2.530	2.80	63.5	SO312	.03070	9.6974	0.8	A
9023	30595.84	45 2N	38 58E	74.9	189.2	2.530	-8.05	63.7	SO312	.03070	9.6892	1.0	A
9024	30614.84	43 38N	39 45E	86.6	189.0	2.181	28.00	65.2	SO312	.03070	8.3805	1.0	A
9025	30718.24	36 44N	36 13E	83.7	188.1	2.738	-28.00	68.9	SO312	.03070	8.6906	1.4	A
9026	30747.84	34 28N	35 50E	81.1	187.9	2.738	-24.85	70.1	SO312	.04070	9.0455	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1458 9027	30750.64	34 29N	35 50E	81.9	187.9	2.738	-24.50	70.1	SO312	.04070	8.8804	0.6	A
9028	30754.64	34 1N	35 38E	82.9	187.8	2.738	-27.65	70.2	SO312	.04070	8.8391	0.8	V
9029	30757.64	34 1N	35 38E	83.7	187.8	2.738	-27.30	70.2	SO312	.03070	8.6823	0.8	A
9030	30766.24	33 9N	35 60E	75.6	187.8	2.881	-8.75	71.0	SO312	.03070	9.7057	0.6	V
9031	30769.04	33 9N	35 60E	76.5	187.8	3.092	-8.75	71.0	SO312	.03070	9.4829	0.6	A
9032	30780.24	32 4N	34 54E	92.9	187.7	2.390	-36.75	70.8	SO312	.01650	7.7662	0.8	F
9033	30783.64	32 3N	34 54E	91.5	187.7	2.390	-36.40	70.8	SO312	.01650	8.0138	0.6	V
9034	30785.24	31 57N	34 52E	91.5	187.7	2.390	-36.40	70.8	SO312	.01650	8.0056	0.8	V
9035	30788.64	31 56N	34 52E	92.3	187.6	2.738	-36.40	70.8	SO312	.01650	7.8818	0.6	A
9036	30796.84	31 7N	34 56E	85.4	187.6	2.738	-30.45	71.3	SO312	.03070	8.5833	0.4	V
9037	30800.04	31 7N	34 55E	86.2	187.6	2.738	-30.10	71.3	SO312	.03070	8.4347	0.4	A
9038	30806.64	30 26N	34 54E	82.9	187.5	2.738	-26.60	71.6	SO312	.03070	8.8474	0.4	V
9039	30809.64	30 26N	34 55E	83.4	187.5	2.738	-25.90	71.6	SO312	.03070	8.7071	0.6	A
9040	30838.84	28 1N	34 24E	85.0	187.4	2.881	-27.30	72.1	SO312	.01650	8.4760	0.8	F
9041	30842.04	28 0N	34 24E	83.9	187.4	2.881	-26.95	72.1	SO312	.01650	8.7236	0.6	V
9042	31363.64	7 53S	28 32E	93.6	186.6	3.439	-2.45	53.2	SO312	.03070	7.7497	1.0	V
9043	31367.24	7 54S	28 32E	95.0	186.6	3.439	-1.75	53.2	SO312	.03070	7.5269	1.0	A
9044	31419.44	11 39S	27 30E	98.2	186.7	3.587	-15.05	49.7	SO312	.03070	7.3784	0.6	V
9045	31423.04	11 39S	27 30E	99.3	186.7	3.587	-14.35	49.7	SO312	.03070	7.2050	0.6	A
1459 5001	35347.44	80 38N	58 2E	78.9	224.7	0.438	8.05	30.2	SO312	.05370	9.3022	0.6	V
5002	35350.24	80 3HN	58 3E	79.8	223.9	0.438	8.05	30.2	SO312	.05370	9.1041	0.6	A
9001	35528.64	69 40N	31 56E	85.4	199.2	1.135	26.60	42.1	SO312	.05390	8.6163	0.4	V
9002	35531.84	69 40N	31 56E	86.6	199.0	1.135	26.95	42.1	SO312	.05390	8.3770	0.4	A
9003	35537.24	69 22N	31 2E	81.7	198.7	1.135	19.95	42.4	SO312	.04070	8.8887	0.6	A
9004	35680.84	59 23N	24 4E	88.9	193.0	1.826	30.45	51.9	SO312	.03070	8.2037	0.6	F
9005	35684.04	59 22N	24 4E	88.2	192.9	1.826	30.80	51.9	SO312	.03070	8.3440	0.4	V
9006	35687.24	59 22N	24 5E	89.6	192.8	1.484	31.50	51.9	SO312	.03070	8.0964	0.4	A
9007	35693.64	58 58N	23 36E	85.5	192.6	1.690	26.95	52.2	SO312	.03070	8.4760	0.4	A
9008	35705.04	58 15N	22 32E	77.3	192.4	1.826	12.95	52.8	SO312	.04070	9.3838	0.6	A
9009	35712.84	57 35N	21 52E	74.3	192.2	2.037	4.55	53.3	SO312	.04070	9.8955	0.4	V
9010	35715.44	57 35N	21 52E	75.2	192.1	2.037	4.90	53.3	SO312	.04070	9.6562	0.4	A
9011	35725.64	56 34N	21 3E	74.6	191.9	2.037	-4.55	54.1	SO312	.04070	9.7305	0.6	F
9012	35728.24	56 35N	21 2E	73.8	191.8	2.037	-4.90	54.1	SO312	.04070	9.9615	0.6	V
9013	35731.04	56 34N	21 2E	74.6	191.8	2.037	-4.55	54.1	SO312	.04070	9.7305	0.6	A
9014	35749.24	54 57N	20 33E	74.5	191.4	2.181	0.00	55.6	SO312	.04070	9.7470	0.4	F
9015	35750.64	54 52N	20 30E	74.5	191.4	2.181	0.00	55.7	SO312	.04070	9.7470	0.6	F
9016	35753.24	54 52N	20 30E	73.7	191.3	2.181	0.35	55.7	SO312	.04070	9.9780	0.6	V
9017	35758.84	54 43N	19 56E	75.8	191.2	2.037	-12.60	55.7	SO312	.04070	9.5902	0.4	A
9018	35764.44	54 11N	19 27E	77.4	191.1	2.037	-19.95	56.1	SO312	.03070	9.4911	0.6	V
9019	35767.24	54 11N	19 27E	78.1	191.1	2.037	-19.60	56.1	SO312	.03070	9.3013	0.6	A
9020	35772.24	53 30N	18 45E	84.7	191.0	1.826	-30.10	56.6	SO312	.03070	8.5585	0.4	F
9021	35774.64	53 32N	18 46E	83.4	190.9	1.826	-29.75	56.6	SO312	.03070	8.8226	1.0	V
9022	35778.44	53 4N	18 37E	84.3	190.9	1.826	-29.75	56.9	SO312	.03070	8.5915	1.0	F
9023	35781.44	53 4N	18 37E	83.1	190.8	1.826	-29.40	57.0	SO312	.03070	8.8474	1.0	V
9024	35788.84	52 42N	19 4E	76.5	190.7	2.037	-15.40	57.4	SO312	.03070	9.5076	1.0	A
9025	35800.44	51 49N	19 32E	75.2	190.5	2.181	6.30	58.3	SO312	.03070	9.6479	1.0	A
9026	35819.84	50 21N	18 40E	73.4	190.2	2.390	-3.85	59.5	SO312	.03070	10.0111	0.4	V
9027	35822.44	50 21N	18 40E	74.3	190.2	2.390	-3.50	59.5	SO312	.03070	9.7800	0.4	A
9028	35831.04	49 30N	17 9E	89.9	190.0	1.826	-35.70	59.8	SO312	.03070	8.0303	1.0	F
9029	35834.24	49 30N	17 10E	88.5	190.0	1.826	-35.35	59.8	SO312	.03070	8.2862	1.0	V
9030	35847.04	48 14N	18 36E	77.7	189.8	2.390	14.35	61.4	SO312	.03070	9.3591	0.4	F
9031	35849.64	48 15N	18 36E	76.9	189.8	2.390	14.70	61.4	SO312	.03070	9.5489	0.4	V
9032	35854.44	47 47N	18 6E	74.9	189.7	2.390	4.20	61.7	SO312	.03070	9.7057	0.6	F
9033	35859.84	47 46N	18 6E	75.0	189.7	2.390	4.90	61.7	SO312	.03070	9.6727	0.6	A
9034	35867.64	47 4N	17 44E	73.4	189.6	2.390	-0.35	62.2	SO312	.03070	10.0028	0.4	V
9035	35870.44	47 4N	17 43E	74.3	189.5	2.390	0.00	62.2	SO312	.03070	9.7635	0.4	A
9036	35880.24	46 20N	16 22E	85.6	189.4	2.037	-32.55	62.3	SO312	.03070	8.5750	0.6	V
9037	35883.24	46 20N	16 22E	86.3	189.4	2.037	-32.20	62.3	SO312	.03070	8.4265	0.6	A
9038	35917.64	43 45N	15 52E	81.7	189.0	2.390	-27.65	64.3	SO312	.04070	8.9794	0.4	V
9039	35920.64	43 45N	15 52E	82.5	189.0	2.390	-27.30	64.4	SO312	.04070	8.8144	0.4	A
9040	36073.04	32 52N	13 28E	80.8	187.8	2.738	-22.05	70.8	SO312	.03070	8.9547	0.6	F
9041	36076.04	32 51N	13 28E	79.7	187.7	2.738	-21.70	70.8	SO312	.03070	9.2023	0.4	V
9042	36096.84	31 27N	12 58E	84.0	187.6	2.738	-28.35	71.2	SO312	.03070	8.7236	0.6	V
9043	36099.84	31 27N	12 57E	84.8	187.6	2.738	-28.00	71.2	SO312	.03070	8.5668	0.6	A
1460 9001	41151.24	48 20N	4 29W	76.5	189.8	2.181	-15.75	61.0	SO312	.04070	9.4664	0.6	F
9002	41156.64	48 21N	4 29W	76.4	189.8	2.390	-15.40	61.0	SO312	.04070	9.5159	0.8	A
9003	41733.84	8 31N	13 14W	87.6	186.6	3.439	-19.60	66.0	SO312	.03070	8.3357	0.6	V
9004	41737.04	8 31N	13 14W	88.5	186.6	3.439	-18.90	66.1	SO312	.03070	8.1624	0.6	A
1461 9001	47292.04	8 50S	36 28W	131.9	186.6	1.826	41.30	53.2	SO312	.02200	5.3811	1.4	A
9002	47351.84	12 51S	38 19W	101.1	186.7	3.232	9.10	49.0	SO312	.03070	7.0482	1.4	A
9003	47392.04	15 60S	39 58W	109.3	186.8	3.439	-26.25	45.6	SO312	.03070	6.5365	0.8	F
9004	47484.04	21 39S	41 17W	118.7	187.0	3.439	-30.10	40.3	SO312	.03070	6.0249	1.4	A
9005	47492.44	22 47S	42 7W	138.6	187.1	2.881	-42.35	39.0	SO312	.02200	5.1335	1.0	F
9006	47502.44	22 47S	42 5W	136.8	187.1	3.232	-41.30	39.0	SO312	.02200	5.2161	1.0	A
1462 9001	52378.44	5 38N	57 46W	87.5	186.5	3.587	-13.65	64.1	SO312	.03070	8.2367	1.6	F
9002	52415.84	3 25N	57 20W	94.6	186.5	2.881	18.90	63.1	SO312	.02200	7.5764	1.4	A
9003	52508.64	2 60S	60 2W	109.1	186.5	3.232	-36.75	56.8	SO312	.02200	6.6521	1.0	V
9004	52721.64	17 28S	63 7W	132.3	186.8	2.881	-42.70	43.9	SO312	.02200	5.4554	1.4	V
9005	52730.44	17 54S	62 20W	108.4	186.9	3.439	-22.40	43.9	SO312	.03070	6.6026	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1462 9006	52740.24	19 4S	63 30W	138.0	186.9	2.881	-44.10	42.4	SO312	.02200	5.1500	1.4	F
9007	52753.64	19 49S	62 5W	102.3	186.9	3.232	-4.20	42.4	SO312	.03070	7.0647	1.6	V
9008	52786.84	21 45S	62 51W	107.9	187.0	3.439	-15.75	40.5	SO312	.03070	6.6108	1.4	A
9009	52921.44	31 33S	63 32W	121.6	187.6	2.530	19.25	31.8	SO312	.03070	5.8763	0.6	F
9010	52928.64	31 39S	64 27W	111.6	187.6	3.092	-2.80	31.4	SO312	.03070	6.4375	0.6	V
9011	52932.84	31 39S	64 27W	113.3	187.7	3.092	-2.45	31.4	SO312	.03070	6.2477	0.6	A
9012	52936.84	32 13S	64 26W	112.4	187.7	2.881	0.70	30.9	SO312	.03070	6.3962	0.6	V
9013	52941.04	32 12S	64 27W	114.1	187.7	3.092	0.70	30.9	SO312	.03070	6.1982	0.6	A
9014	52969.64	34 10S	64 18W	121.5	187.9	2.530	15.05	29.3	SO312	.03070	5.8020	1.0	A
9015	53038.44	39 1S	66 12W	117.9	188.4	2.738	-3.15	24.4	SO312	.04070	6.0744	0.8	V
9016	53133.24	45 32S	68 59W	132.3	189.3	2.530	-22.05	17.8	SO312	.04070	5.3316	1.4	F
9017	53143.84	45 35S	69 0W	132.5	189.4	2.738	-21.35	17.7	SO312	.04070	5.3234	0.6	A
9018	53156.84	46 30S	68 57W	129.2	189.5	2.738	-15.40	17.0	SO312	.04070	5.4554	1.0	A
9019	53262.04	53 33S	70 27W	131.7	191.1	2.037	1.40	10.4	SO312	.04070	5.3151	1.4	A
1463 9001	57456.84	20 55N	76 14W	86.0	187.0	2.881	19.80	73.0	SO312	.03070	8.4678	0.4	F
9002	57459.84	20 55N	76 14W	85.5	187.0	2.881	20.30	73.0	SO312	.03070	8.5750	0.4	V
9003	57460.84	20 51N	76 14W	85.5	187.0	2.881	20.30	73.0	SO312	.03070	8.5750	0.4	V
9004	57463.84	20 51N	76 14W	87.1	187.0	2.881	21.00	73.0	SO312	.03070	8.2779	0.4	A
9005	57472.24	20 21N	77 8W	80.3	186.9	3.439	-10.50	72.1	SO312	.04070	9.0124	0.6	A
9006	57790.44	2 7S	79 52W	111.8	186.5	2.738	32.55	58.9	SO312	.03070	6.4705	1.4	F
9007	57794.44	2 7S	79 52W	111.5	186.5	2.530	33.25	58.9	SO312	.03070	6.5283	1.4	V
9008	57798.84	2 8S	79 50W	114.7	186.5	2.181	34.65	58.9	SO312	.02200	6.2229	0.6	A
9009	57804.44	2 30S	80 23W	99.6	186.5	2.738	20.65	58.3	SO312	.02200	7.1638	0.6	A
9010	57811.24	3 30S	80 22W	104.2	186.5	2.881	25.20	57.5	SO312	.02200	6.9492	1.4	F
9011	57819.24	3 32S	80 3W	116.0	186.5	2.181	35.00	57.7	SO312	.02200	6.1487	0.4	A
9012	57827.64	4 6S	79 59W	123.1	186.5	2.037	38.85	57.3	SO312	.02200	5.7773	0.4	A
9013	57838.04	4 49S	80 15W	117.9	186.5	2.181	35.35	56.6	SO312	.02200	6.0414	1.4	A
9014	57843.04	5 10S	80 4W	127.5	186.5	1.826	40.60	56.5	SO312	.02200	5.5875	1.4	A
1464 9001	63473.24	27 7S	109 25W	144.4	187.3	3.232	-43.05	34.9	SO312	.02200	4.9602	1.4	A
1469 9001	2352.04	57 57N	162 2E	85.0	192.4	1.826	25.90	53.0	SO312	.02200	8.5503	0.4	F
9002	2355.04	57 57N	162 2E	84.3	192.4	1.826	26.25	53.0	SO312	.03070	8.7071	0.4	V
9003	2359.64	57 29N	161 34E	81.6	192.3	2.037	21.35	53.4	SO312	.03070	8.9134	0.6	F
9004	2362.64	57 28N	161 33E	80.8	192.2	1.826	21.70	53.4	SO312	.03070	9.1115	0.4	V
9005	2366.44	56 59N	161 34E	85.2	192.1	2.037	26.25	53.9	SO312	.02200	8.5420	0.4	F
9006	2369.44	56 59N	161 36E	84.9	192.0	1.826	27.30	53.9	SO312	.02200	8.6658	0.4	V
9007	2370.44	56 55N	161 34E	84.8	192.0	1.826	27.30	54.0	SO312	.02200	8.6823	0.6	V
9008	2373.44	56 55N	161 34E	86.1	191.9	1.826	27.65	54.0	SO312	.02200	8.4265	0.6	A
9009	2380.44	56 18N	160 40E	77.1	191.8	2.037	14.35	54.4	SO312	.03070	9.5406	0.4	V
9010	2383.24	56 19N	160 41E	78.1	191.7	2.037	14.70	54.4	SO312	.03070	9.2931	0.4	A
9011	2424.84	53 13N	158 25E	75.5	190.9	2.181	-11.20	56.9	SO312	.03070	9.6067	0.4	F
9012	2428.24	52 59N	158 26E	75.0	190.9	2.181	-8.75	57.1	SO312	.03070	9.6644	0.6	F
9013	2431.04	52 58N	158 24E	74.2	190.8	2.181	-9.10	57.1	SO312	.04070	9.9038	0.6	V
9014	2433.84	52 58N	158 24E	75.0	190.8	2.181	-8.75	57.1	SO312	.03070	9.6892	0.6	A
9015	2443.04	52 8N	158 18E	73.6	190.6	2.181	-3.15	57.9	SO312	.03070	9.9780	0.6	V
9016	2454.24	51 30N	156 50E	87.5	190.4	1.826	-34.30	58.1	SO312	.03070	8.3770	1.0	V
9017	2457.44	51 30N	156 50E	88.3	190.4	2.037	-34.30	58.1	SO312	.03070	8.2449	1.0	A
9018	2463.04	50 54N	156 41E	86.5	190.3	1.826	-33.25	58.6	SO312	.02200	8.4760	0.4	V
9019	2466.24	50 54N	156 41E	87.3	190.3	2.037	-33.25	58.6	SO312	.02200	8.3357	0.4	A
1470 9001	7766.84	50 55N	136 51E	84.7	190.4	2.181	25.90	59.2	SO312	.02200	8.6163	0.6	F
9002	7769.84	50 54N	136 51E	84.0	190.4	2.181	26.25	59.2	SO312	.02200	8.7649	0.6	V
9003	7772.84	50 42N	136 45E	83.6	190.3	2.181	25.90	59.4	SO312	.02200	8.8061	0.4	V
9004	7775.84	50 43N	136 46E	84.9	190.3	2.181	26.25	59.4	SO312	.02200	8.5420	0.4	A
9005	7779.64	50 26N	136 51E	88.8	190.2	1.826	30.80	59.6	SO312	.02200	8.1624	0.4	A
9006	7785.04	50 5N	136 37E	86.7	190.1	2.037	28.35	59.9	SO312	.02200	8.3522	0.4	A
9007	7797.24	48 52N	135 59E	82.5	190.0	2.390	22.75	60.9	SO312	.02200	8.8391	0.4	F
9008	7805.04	48 26N	135 6E	74.7	189.9	2.530	2.10	61.0	SO312	.04070	9.7305	1.2	F
9009	7810.44	48 26N	135 6E	74.8	189.8	2.530	2.80	61.0	SO312	.04070	9.7057	1.2	A
9010	7816.64	47 59N	135 7E	75.6	189.7	2.390	7.70	61.4	SO312	.03070	9.5902	0.6	A
9011	7888.84	42 44N	133 5E	75.1	188.9	2.530	-8.75	65.2	SO312	.03070	9.6644	0.8	F
9012	7894.24	42 44N	133 5E	75.0	188.8	2.738	-8.40	65.3	SO312	.03070	9.6809	0.8	A
9013	8911.44	27 10S	119 55E	110.5	187.3	3.092	4.55	35.8	SO312	.03070	6.5118	0.6	V
9014	8915.64	27 10S	119 55E	112.2	187.3	3.092	4.90	35.8	SO312	.03070	6.3137	0.6	A
1471 9001	12767.64	71 43N	128 44E	82.1	201.3	1.135	19.95	39.9	SO312	.03070	8.9464	0.8	V
9002	12770.64	71 43N	128 45E	83.2	201.1	1.135	20.30	39.9	SO312	.03070	8.7236	0.8	A
9003	13231.84	40 43N	109 53E	80.2	188.6	2.390	-25.90	66.4	SO312	.03070	9.1527	0.8	V
9004	13234.84	40 43N	109 53E	81.0	188.6	2.390	-25.55	66.4	SO312	.03070	8.9877	0.8	A
9005	13248.44	39 24N	111 10E	84.7	188.4	2.390	26.95	68.1	SO312	.03070	8.6658	0.4	V
9006	13251.64	39 24N	111 10E	86.1	188.4	2.390	27.30	68.1	SO312	.03070	8.4017	0.4	A
9007	13266.24	38 18N	109 46E	74.4	188.3	2.738	-10.85	68.2	SO312	.02200	9.8708	0.8	V
9008	13274.24	37 54N	110 5E	75.4	188.2	2.738	4.55	68.6	SO312	.02200	9.6232	0.6	A
9009	13293.84	36 36N	109 28E	74.9	188.1	2.881	-6.65	69.2	SO312	.03070	9.6809	0.4	A
9010	13315.84	34 41N	109 15E	75.6	187.9	2.881	1.05	70.4	SO312	.03070	9.6067	0.8	F
9011	13321.24	34 41N	109 15E	75.8	187.9	2.881	2.10	70.4	SO312	.03070	9.5654	0.8	A
9012	13415.84	27 51N	107 5E	82.5	187.4	2.881	-24.50	72.1	SO312	.03070	8.7484	0.8	F
9013	13421.84	27 51N	107 5E	82.3	187.3	3.092	-24.15	72.1	SO312	.03070	8.8226	0.8	A
9014	13541.04	19 25N	105 43E	80.5	186.9	3.232	-14.35	71.8	SO312	.03070	9.0867	0.8	V
9015	13544.04	19 25N	105 43E	81.4	186.9	3.439	-14.00	71.8	SO312	.03070	8.8887	0.8	A
1472 9001	18290.04	57 54N	93 8E	83.3	192.2	1.690	-28.70	52.7	SO312	.03070	8.8061	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1472 9002	18293.24	57 53N	93 7E	84.3	192.2	1.690	-28.70	52.7	SO312	.03070	8.6328	0.4	A
9003	18305.04	56 38N	93 13E	77.0	191.9	1.826	-15.75	53.9	SO312	.04070	9.4003	0.6	F
9004	18310.44	56 18N	92 29E	84.0	191.8	1.690	-28.70	54.1	SO312	.03070	8.6163	1.0	F
9005	18313.44	56 18N	92 29E	82.7	191.7	1.690	-28.35	54.1	SO312	.03070	8.8804	0.8	V
9006	18317.24	56 16N	92 20E	85.7	191.6	1.690	-30.80	54.1	SO312	.03070	8.4925	0.8	A
9007	18526.04	41 30N	88 46E	74.1	188.7	2.738	-0.35	66.2	SO312	.03070	9.7965	0.6	F
9008	18536.44	40 50N	89 45E	92.5	188.6	2.181	34.65	67.2	SO312	.02200	7.9643	1.0	V
9009	18539.84	40 50N	89 45E	94.0	188.6	2.181	35.00	67.2	SO312	.02200	7.7002	1.0	A
1473 9001	23794.84	44 33N	66 14E	88.7	189.1	2.181	-35.70	63.5	SO312	.02200	8.2944	1.0	V
9002	23798.44	44 31N	66 15E	89.0	189.1	2.181	-35.00	63.5	SO312	.02200	8.1624	0.8	A
9003	23814.84	42 48N	67 27E	78.2	188.9	2.530	14.35	65.5	SO312	.02200	9.3178	0.8	F
9004	23820.43	42 48N	67 27E	78.5	188.9	2.530	15.05	65.5	SO312	.02200	9.2353	0.8	A
9005	23862.84	39 37N	65 43E	76.8	188.5	2.738	-15.75	67.2	SO312	.03070	9.4334	0.6	F
9006	23865.64	39 37N	65 43E	75.9	188.4	2.738	-15.40	67.3	SO312	.03070	9.6809	1.2	V
9007	23869.24	39 33N	65 42E	76.7	188.4	2.738	-15.05	67.3	SO312	.03070	9.4746	0.4	A
9008	23876.04	38 57N	65 3E	84.4	188.4	2.530	-30.80	67.4	SO312	.02200	8.6823	1.0	V
9009	23879.24	38 57N	65 2E	85.1	188.3	2.530	-30.45	67.4	SO312	.02200	8.5338	0.8	A
1474 5001	29041.83	48 39N	46 11E	74.9	189.9	2.390	-12.95	60.7	SO312	.03080	9.8057	0.6	V
5002	29044.63	48 38N	46 11E	75.8	189.8	2.390	-12.60	60.7	SO312	.03080	9.5993	0.6	A
9001	28802.83	64 25N	55 10E	83.0	195.4	1.484	22.40	47.0	SO312	.04070	8.7484	0.4	F
9002	28808.43	64 12N	55 16E	85.0	195.2	1.484	26.60	47.2	SO312	.04070	8.6328	1.0	V
9003	28811.63	64 12N	55 17E	86.3	195.0	1.484	26.95	47.2	SO312	.03070	8.3852	0.8	A
9004	28869.83	60 26N	49 47E	87.8	193.2	1.338	-33.25	50.3	SO312	.03070	8.3605	0.6	V
9005	28873.23	60 25N	49 47E	88.4	193.1	1.338	-32.90	50.4	SO312	.02200	8.2202	0.4	A
9006	28916.03	57 5N	48 31E	84.8	192.0	1.484	-29.40	53.4	SO312	.03070	8.5173	0.4	F
9007	28917.83	56 57N	48 28E	84.8	192.0	1.484	-29.40	53.5	SO312	.03070	8.5173	0.4	F
9008	28921.83	56 42N	48 4E	90.1	191.9	1.484	-35.00	53.6	SO312	.03070	8.0138	1.0	F
9009	28925.03	56 42N	48 3E	89.0	191.8	1.484	-35.00	53.6	SO312	.03070	8.2367	1.0	V
9010	28934.83	55 55N	48 50E	75.0	191.6	2.037	-11.90	54.5	SO312	.04070	9.8047	0.6	V
9011	28937.63	55 55N	48 50E	75.7	191.6	2.037	-11.55	54.5	SO312	.04070	9.5984	0.6	A
9012	28954.03	54 26N	48 21E	75.2	191.3	2.037	-9.45	55.8	SO312	.04070	9.6479	0.4	F
9013	28956.83	54 26N	48 20E	74.3	191.2	2.037	-9.45	55.8	SO312	.04070	9.8873	0.6	V
9014	28966.83	53 34N	49 28E	84.8	191.0	2.037	27.30	56.9	SO312	.03070	8.6658	0.8	V
9015	28974.23	53 11N	48 22E	74.2	190.9	2.181	4.55	57.0	SO312	.04070	9.9038	0.6	V
9016	28977.03	53 10N	48 22E	75.1	190.8	2.181	4.90	57.0	SO312	.03070	9.6644	0.6	A
9017	28988.03	52 8N	47 10E	77.5	190.7	2.037	-17.85	57.7	SO312	.03070	9.3591	2.0	F
9018	28993.43	52 9N	47 11E	77.2	190.6	2.037	-17.15	57.7	SO312	.03070	9.4251	2.0	A
9019	29001.83	51 27N	46 17E	86.3	190.4	1.826	-32.90	58.1	SO312	.03070	8.4925	0.6	V
9020	29005.03	51 27N	46 16E	87.1	190.4	2.037	-32.90	58.1	SO312	.03070	8.3605	0.6	A
9021	29038.03	48 43N	46 14E	75.7	189.9	2.390	-12.60	60.6	SO312	.03070	9.5737	1.2	F
9022	29041.23	48 41N	46 12E	74.9	189.9	2.390	-12.95	60.6	SO312	.05390	9.8047	1.2	V
9023	29044.63	48 38N	46 11E	75.7	189.8	2.390	-12.60	60.7	SO312	.09620	9.5984	0.6	A
9024	29065.03	46 55N	44 58E	85.8	189.6	2.037	-31.50	61.8	SO312	.03070	8.4265	0.8	F
9025	29071.03	46 55N	44 59E	85.1	189.5	2.181	-30.80	61.8	SO312	.03070	8.5420	1.0	A
9026	29110.43	43 47N	44 31E	78.5	189.0	2.390	-20.30	64.3	SO312	.02200	9.2270	0.8	F
9027	29116.03	43 47N	44 32E	78.1	189.0	2.530	-19.60	64.3	SO312	.02200	9.3013	0.8	A
9028	29140.03	41 59N	45 33E	86.6	188.7	2.181	28.00	66.3	SO312	.01650	8.3522	0.6	A
9029	29161.63	40 13N	44 9E	74.5	188.6	2.738	-1.75	67.0	SO312	.03070	9.7470	1.0	F
9030	29169.83	39 59N	44 33E	78.4	188.5	2.530	15.05	67.4	SO312	.03070	9.2435	0.6	A
1475 9001	34040.23	69 11N	35 52E	76.6	198.7	1.338	1.40	42.3	SO312	.04070	9.4746	0.4	F
9002	34042.83	69 12N	35 52E	75.6	198.6	1.338	1.40	42.3	SO312	.04070	9.7057	0.4	V
9003	34050.43	68 53N	33 44E	82.7	198.1	1.135	-25.20	42.6	SO312	.03070	8.8639	0.8	V
9004	34053.43	68 53N	33 45E	83.4	198.0	1.135	-24.85	42.6	SO312	.03070	8.6988	0.6	A
9005	34056.63	68 28N	33 22E	82.6	197.8	1.135	-25.20	43.0	SO312	.04070	8.8721	0.6	V
9006	34059.63	68 29N	33 22E	83.5	197.6	1.135	-25.20	43.0	SO312	.04070	8.6906	0.6	A
9007	34062.63	68 5N	33 1E	82.8	197.5	1.135	-25.55	43.3	SO312	.04070	8.8556	0.4	V
9008	34065.63	68 5N	33 0E	83.7	197.3	1.135	-25.55	43.3	SO312	.04070	8.6741	0.4	A
9009	34077.23	66 40N	34 18E	78.8	196.8	1.484	13.65	44.8	SO312	.05390	9.2023	2.0	F
9010	34082.83	66 40N	34 18E	78.9	196.5	1.484	14.00	44.8	SO312	.05390	9.1858	0.4	A
9011	34172.23	60 14N	30 43E	87.5	193.3	1.826	28.70	50.9	SO312	.03070	8.3274	0.4	F
9012	34175.23	60 14N	30 43E	86.8	193.2	1.826	29.05	50.9	SO312	.03070	8.4760	0.6	V
9013	34177.43	60 5N	30 38E	86.8	193.2	1.826	29.05	51.0	SO312	.03070	8.4760	0.6	V
9014	34180.63	60 5N	30 37E	87.8	193.1	1.484	29.40	51.0	SO312	.03070	8.2614	0.6	A
9015	34184.43	59 50N	30 22E	86.1	193.0	1.690	27.30	51.3	SO312	.03070	8.4182	0.6	A
9016	34188.23	59 23N	30 3E	83.9	192.9	1.690	25.90	51.7	SO312	.03070	8.7649	0.8	V
9017	34191.23	59 23N	30 3E	85.1	192.8	1.690	26.25	51.7	SO312	.03070	8.5173	1.0	A
9018	34207.03	58 24N	26 54E	84.9	192.4	1.690	-30.80	52.2	SO312	.03070	8.6411	0.8	V
9019	34210.03	58 25N	26 55E	85.6	192.3	1.690	-30.45	52.2	SO312	.03070	8.5008	0.8	A
9020	34214.63	57 51N	27 2E	79.7	192.2	1.690	-23.45	52.7	SO312	.03070	9.2105	0.6	V
9021	34219.03	57 22N	26 45E	81.6	192.1	1.690	-25.20	53.1	SO312	.03070	8.8639	0.6	F
9022	34224.63	57 12N	26 31E	82.8	192.0	1.690	-28.35	53.3	SO312	.03070	8.8639	0.6	V
9023	34227.63	57 12N	26 31E	83.5	191.9	1.690	-28.00	53.3	SO312	.03070	8.7071	0.6	A
9024	34233.83	56 22N	26 12E	83.5	191.8	1.690	-28.00	54.0	SO312	.03070	8.6658	0.6	F
9025	34239.83	55 56N	26 29E	77.7	191.7	1.826	-17.85	54.5	SO312	.03070	9.3178	0.8	F
9026	34242.83	55 54N	26 29E	76.7	191.6	2.037	-17.85	54.5	SO312	.04070	9.5737	0.6	V
9027	34249.83	55 11N	26 52E	74.6	191.5	2.181	-1.05	55.2	SO312	.04070	9.7305	0.6	F
9028	34253.23	55 8N	26 47E	73.7	191.4	2.181	-2.45	55.3	SO312	.04070	9.9698	0.4	V
9029	34256.03	55 8N	26 46E	74.6	191.4	2.181	-2.45	55.3	SO312	.04070	9.7387	0.4	A
9030	34261.03	54 38N	26 24E	73.9	191.3	2.037	-7.00	55.7	SO312	.04070	9.9368	0.6	V
9031	34265.03	54 33N	26 18E	75.0	191.2	2.037	-8.40	55.7	SO312	.04070	9.6892	0.6	A
9032	34271.23	53 49N	25 20E	81.5	191.1	1.826	-25.55	56.2	SO312	.03070	8.8887	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1475 9033	34274.23	53 4RN	25 20E	80.3	191.0	1.826	-25.20	56.2	S0312	.03070	9.1527	0.4	V
9034	34277.63	53 3RN	25 17E	79.8	191.0	2.037	-24.50	56.4	S0312	.03070	9.2023	0.6	V
9035	34280.63	53 3RN	25 17E	80.5	190.9	2.037	-24.15	56.4	S0312	.03070	9.0372	0.6	A
9036	34286.23	52 49N	24 42E	85.9	190.8	1.826	-31.50	57.0	S0312	.03070	8.4347	0.4	F
9037	34291.03	52 39N	25 4E	78.4	190.7	2.037	-22.05	57.2	S0312	.03070	9.3673	0.6	V
9038	34294.03	52 38N	25 4E	79.1	190.7	2.037	-21.70	57.3	S0312	.03070	9.1940	0.6	A
9039	34310.83	51 21N	25 54E	77.5	190.4	2.181	14.00	58.7	S0312	.03070	9.3508	0.6	A
9040	34317.63	50 54N	25 32E	75.6	190.3	2.181	8.05	59.0	S0312	.03070	9.5984	0.6	A
9041	34322.63	50 13N	25 8E	74.8	190.2	2.390	2.80	59.5	S0312	.03070	9.7140	0.4	F
9042	34326.03	50 9N	25 11E	74.2	190.2	2.390	5.25	59.6	S0312	.03070	9.9038	0.6	V
9043	34328.83	50 9N	25 11E	75.1	190.1	2.390	5.60	59.6	S0312	.03070	9.6662	0.6	A
9044	34333.23	49 52N	24 56E	74.5	190.1	2.390	1.05	59.8	S0312	.03070	9.7470	0.4	A
9045	34345.43	48 35N	25 6E	79.2	189.9	2.390	17.50	61.0	S0312	.03070	9.1940	0.4	F
9046	34348.83	48 33N	25 2E	77.8	189.9	2.181	16.80	61.0	S0312	.03070	9.4581	0.6	V
9047	34351.63	48 34N	25 3E	78.9	189.8	2.181	17.15	61.0	S0312	.03070	9.1940	0.6	A
9048	34373.43	46 47N	23 40E	74.7	189.5	2.390	-8.05	62.2	S0312	.03070	9.7140	0.6	F
9049	34378.63	46 48N	23 41E	74.6	189.5	2.530	-7.35	62.2	S0312	.03070	9.7305	0.6	A
9050	34390.03	45 43N	24 23E	81.9	189.3	2.181	23.80	63.4	S0312	.03070	8.9794	0.6	V
9051	34393.03	45 43N	24 23E	83.2	189.3	2.181	24.15	63.4	S0312	.03070	8.7071	0.6	A
9052	34406.23	44 35N	24 15E	86.5	189.2	2.181	29.05	64.3	S0312	.03070	8.5008	0.4	V
9053	34409.43	44 35N	24 15E	87.9	189.1	2.181	29.40	64.3	S0312	.03070	8.2367	0.4	A
9054	34429.83	42 47N	23 35E	84.2	188.9	2.390	25.20	65.6	S0312	.03070	8.6576	0.6	F
9055	34432.83	42 47N	23 35E	83.5	188.9	2.390	25.55	65.6	S0312	.03070	8.7979	0.6	V
9056	34442.43	41 52N	23 38E	91.6	188.8	2.390	32.90	66.4	S0312	.01650	7.9643	0.6	F
9057	34445.63	41 52N	23 39E	91.2	188.8	2.181	33.60	66.4	S0312	.01650	8.0716	0.6	V
9058	34453.23	41 27N	22 38E	75.2	188.7	2.530	8.05	66.3	S0312	.03070	9.7717	0.4	V
9059	34455.83	41 28N	22 38E	76.2	188.7	2.530	8.40	66.3	S0312	.03070	9.5159	0.6	A
9060	34462.63	40 49N	22 25E	74.9	188.6	2.738	6.30	66.8	S0312	.03070	9.8047	0.6	V
9061	34465.43	40 49N	22 25E	75.9	188.6	2.738	6.65	66.8	S0312	.03070	9.5489	0.6	A
9062	34502.43	38 17N	21 44E	76.1	188.3	2.738	5.60	68.4	S0312	.03070	9.5159	0.8	A
9063	34589.43	32 8N	20 4E	75.5	187.7	2.881	-4.20	71.4	S0312	.04070	9.7222	0.6	V
9064	34592.23	32 8N	20 3E	76.4	187.7	3.092	-4.20	71.4	S0312	.04070	9.4911	0.6	A
9065	35126.43	4 56S	12 37E	99.4	186.5	3.439	-23.80	55.5	S0312	.03070	7.2133	0.6	F
9066	35130.03	4 56S	12 37E	98.3	186.5	3.439	-23.45	55.5	S0312	.03070	7.3949	0.6	V
9067	35135.23	5 32S	12 18E	105.4	186.5	3.232	-30.45	54.9	S0312	.02200	6.7841	1.4	F
9068	35139.03	5 32S	12 17E	104.3	186.5	3.439	-30.45	54.9	S0312	.02200	6.9657	1.2	V
9069	35141.03	5 40S	12 15E	104.3	186.6	3.439	-30.45	54.8	S0312	.02200	6.9657	0.8	V
9070	35144.83	5 39S	12 15E	105.5	186.6	3.439	-30.10	54.8	S0312	.02200	6.8172	0.8	A
9071	35182.03	8 53S	13 10E	103.5	186.6	3.092	18.90	52.8	S0312	.03070	6.9575	0.8	F
9072	35185.63	8 53S	13 10E	102.9	186.6	2.881	19.60	52.8	S0312	.03070	7.0565	1.0	V
1476 9001	39647.83	49 2N	1 56E	77.1	190.0	2.181	-17.15	60.3	S0312	.03070	9.3921	0.6	F
9002	39653.43	49 1N	1 56E	76.9	189.9	2.390	-16.80	60.3	S0312	.03070	9.4499	0.6	A
9003	39841.83	35 35N	0 26W	85.1	188.0	2.530	24.50	70.3	S0312	.03070	8.5668	0.6	F
9004	39844.83	35 35N	0 26W	84.5	188.0	2.530	24.85	70.3	S0312	.03070	8.6988	0.6	V
9005	39857.63	34 36N	1 26W	75.1	187.9	2.881	-2.45	70.3	S0312	.03070	9.6644	0.8	F
9006	39863.03	34 36N	1 26W	75.2	187.9	2.881	-1.40	70.3	S0312	.03070	9.6314	0.8	A
9007	39903.63	31 38N	2 13W	75.7	187.7	3.092	-6.65	71.5	S0312	.03070	9.6974	0.6	V
9008	39906.43	31 38N	2 13W	76.6	187.6	3.092	-6.30	71.5	S0312	.03070	9.4581	0.6	A
1478 9001	50996.03	1 12S	52 21W	91.0	186.5	3.439	1.75	59.1	S0312	.03070	7.8735	0.8	A
9002	51113.43	9 20S	54 55W	112.0	186.6	3.232	-35.00	51.5	S0312	.02200	6.4705	0.8	V
9003	51117.63	9 20S	54 55W	112.9	186.6	3.439	-34.65	51.5	S0312	.02200	6.3715	0.6	A
9004	51293.43	22 9S	54 55W	129.3	187.0	2.390	32.55	41.0	S0312	.02200	5.5462	1.4	F
9005	51303.83	22 10S	55 56W	107.8	187.0	3.092	7.70	40.6	S0312	.03070	6.5778	0.8	A
9006	51315.63	23 23S	57 26W	118.8	187.1	3.232	-29.05	38.9	S0312	.03070	6.0001	0.6	F
9007	51323.63	23 28S	56 32W	107.3	187.1	3.439	-2.80	39.2	S0312	.03070	6.6191	0.6	A
9008	51328.83	23 50S	56 27W	108.0	187.1	3.232	1.75	38.9	S0312	.03070	6.5778	1.6	A
9009	51343.03	25 15S	57 36W	115.3	187.2	3.232	-23.10	37.2	S0312	.03070	6.1734	1.2	F
9010	51347.63	25 17S	57 37W	114.1	187.2	3.439	-23.10	37.2	S0312	.03070	6.3220	0.4	V
9011	51356.83	25 45S	56 28W	113.1	187.2	2.881	12.25	37.3	S0312	.03070	6.2559	0.6	A
9012	51369.03	26 25S	57 57W	118.3	187.3	3.439	-24.85	36.1	S0312	.03070	6.0166	1.0	A
9013	51456.63	32 60S	58 31W	114.6	187.7	3.092	-3.15	30.2	S0312	.03070	6.2064	0.8	F
9014	51464.83	32 58S	58 37W	115.4	187.8	3.092	-4.90	30.2	S0312	.03070	6.1322	1.4	A
9015	51475.63	34 25S	57 45W	127.6	187.9	2.390	22.05	29.3	S0312	.03070	5.5875	1.4	F
9016	51481.83	34 50S	57 53W	127.3	187.9	2.390	21.35	28.9	S0312	.04070	5.5957	0.6	F
9017	51487.63	34 54S	57 57W	125.5	187.9	2.390	20.65	28.8	S0312	.03070	5.7112	0.8	V
9018	51491.23	34 50S	57 52W	129.0	188.0	2.181	22.40	28.9	S0312	.04070	5.4637	0.6	A
9019	51496.23	35 11S	57 30W	140.1	188.0	1.826	30.80	28.7	S0312	.03070	5.0180	1.4	A
9020	51519.03	37 9S	59 56W	120.2	188.1	2.881	-13.30	26.1	S0312	.04070	5.9011	1.0	F
9021	51523.83	37 11S	59 49W	118.1	188.2	2.881	-10.15	26.1	S0312	.04070	6.0661	0.6	V
9022	51528.63	37 14S	59 38W	119.0	188.2	2.881	-5.25	26.2	S0312	.04070	5.9341	0.6	A
1479 9001	56099.23	12 11N	71 55W	84.7	186.7	3.232	8.40	69.0	S0312	.03070	8.5668	0.4	F
9002	56102.23	12 11N	71 55W	84.1	186.7	3.232	9.10	69.1	S0312	.04070	8.6988	0.4	V
9003	56115.83	11 35N	72 55W	90.0	186.6	3.439	-25.20	67.9	S0312	.03070	8.0303	1.4	A
9004	56121.83	11 9N	72 54W	88.2	186.6	3.439	-22.05	67.8	S0312	.03070	8.1954	1.0	A
9005	56240.43	2 28N	73 30W	91.9	186.5	3.232	13.30	62.3	S0312	.03070	7.8818	1.0	F
9006	56271.23	0 37N	74 15W	88.3	186.5	3.439	-2.80	60.6	S0312	.03070	8.2532	1.0	V
9007	56279.83	0 21N	74 55W	96.6	186.5	3.587	-25.20	59.9	S0312	.03070	7.4691	1.0	A
9008	56286.83	0 10S	74 46W	92.5	186.5	3.587	-16.80	59.7	S0312	.03070	7.7745	1.4	A
9009	56367.23	5 52S	76 6W	101.4	186.5	3.439	-27.30	54.7	S0312	.03070	7.1720	0.6	V
9010	56457.03	12 1S	77 8W	104.0	186.7	3.439	-24.50	49.4	S0312	.03070	6.9740	0.6	V
9011	56460.83	12 0S	77 8W	105.2	186.7	3.439	-24.15	49.4	S0312	.03070	6.8172	0.8	A
1480 9001	61319.83	18 1N	93 26W	81.4	186.9	3.439	-12.25	71.4	S0312	.03070	8.8887	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1480	9002	61325.63	18 1N	93 28W	81.4	186.8	3.439	-11.20	71.4	S0312	.03070	8.8887	0.6	A
1481	5001	66348.03	36 57N	111 27W	74.6	188.2	2.881	-3.85	69.0	S0312	.02210	9.7231	0.8	F
	5002	66353.43	36 57N	111 26W	74.8	188.1	2.881	-2.80	69.0	S0312	.02210	9.7066	0.6	A
	5003	66397.43	33 34N	112 21W	76.1	187.8	2.881	-8.75	70.6	S0312	.02210	9.5168	0.6	F
	5004	66402.83	33 35N	112 22W	76.2	187.8	3.092	-8.40	70.7	S0312	.02210	9.5250	0.6	A
	9001	66348.03	36 57N	111 27W	74.7	188.2	2.881	-3.85	69.0	S0312	.02200	9.7222	0.6	F
	9002	66353.43	36 57N	111 26W	74.7	188.1	2.881	-2.80	69.0	S0312	.02200	9.7057	0.6	A
	9003	66397.23	33 35N	112 21W	76.2	187.8	2.881	-8.75	70.6	S0312	.02200	9.5159	0.8	F
	9004	66402.83	33 34N	112 22W	76.2	187.8	3.092	-8.40	70.7	S0312	.02200	9.5241	0.6	A
1485	9001	923.83	55 13N	165 56E	74.4	191.4	2.037	3.85	55.2	S0312	.04070	9.8790	0.4	V
	9002	926.63	55 13N	165 56E	75.3	191.4	2.037	4.20	55.2	S0312	.04070	9.6397	0.4	A
1486	9001	6263.63	53 15N	141 25E	89.8	190.9	1.690	-35.00	56.5	S0312	.02200	8.0468	0.4	F
	9002	6266.83	53 14N	141 25E	88.4	190.9	1.690	-34.65	56.5	S0312	.02200	8.3027	0.4	V
	9003	6270.03	53 15N	141 26E	89.1	190.8	1.690	-34.30	56.5	S0312	.02200	8.1789	0.4	A
1487	9001	11621.63	50 25N	118 39E	83.2	190.2	2.181	-28.70	58.9	S0312	.03070	8.7566	0.6	A
	9002	11740.23	42 14N	116 47E	75.8	188.8	2.738	-15.05	65.4	S0312	.03070	9.5902	0.6	A
	9003	11760.03	40 13N	118 11E	103.2	188.6	2.181	40.60	67.7	S0312	.02200	7.0565	0.4	F
	9004	11767.43	40 13N	118 11E	104.4	188.5	1.826	41.65	67.7	S0312	.02200	6.8914	0.4	A
	9005	11774.43	39 23N	117 5E	80.9	188.5	2.738	18.90	67.8	S0312	.02200	8.9959	0.4	F
	9006	11780.43	39 9N	117 11E	83.6	188.4	2.530	24.50	68.1	S0312	.02200	8.7979	1.0	V
	9007	11783.83	39 8N	117 11E	84.9	188.4	2.530	24.85	68.1	S0312	.02200	8.5338	0.6	A
	9008	11794.83	38 27N	116 4E	75.4	188.3	2.881	-6.65	68.0	S0312	.03070	9.6232	0.4	A
	9009	11802.03	37 33N	116 12E	76.0	188.2	2.881	4.90	68.7	S0312	.03070	9.5571	0.6	F
	9010	11809.83	37 10N	116 26E	79.2	188.2	2.738	16.80	69.2	S0312	.02200	9.2765	0.6	V
	9011	11816.03	36 58N	115 60E	75.9	188.1	2.881	3.50	69.1	S0312	.03070	9.5406	0.4	A
	9012	11873.63	32 57N	113 51E	91.8	187.8	2.340	-37.10	70.2	S0312	.02200	7.9808	0.6	V
	9013	11879.43	32 34N	113 42E	94.0	187.7	2.340	-38.85	70.3	S0312	.02200	7.7910	0.6	V
	9014	11884.23	32 12N	113 58E	84.7	187.7	2.738	-29.75	70.7	S0312	.03070	8.6576	0.4	V
	9015	11889.23	31 50N	114 6E	80.3	187.7	2.881	-23.45	71.0	S0312	.03070	9.1280	0.8	V
	9016	11895.23	31 39N	113 52E	85.3	187.6	2.881	-29.05	71.0	S0312	.02200	8.5090	1.0	A
	9017	11907.03	30 33N	114 18E	75.8	187.6	3.092	-6.30	71.8	S0312	.04070	9.6809	0.6	V
	9018	11909.83	30 33N	114 17E	76.7	187.5	3.092	-5.95	71.8	S0312	.04070	9.4499	0.6	A
	9019	11979.23	25 24N	113 14E	77.5	187.2	3.232	-6.65	72.7	S0312	.03070	9.3508	0.4	F
	9020	11986.23	24 51N	113 35E	80.2	187.2	3.092	11.20	73.2	S0312	.03070	9.0620	0.4	F
	9021	11992.43	24 50N	113 31E	80.2	187.2	3.092	10.15	73.1	S0312	.03070	9.0042	0.4	A
	9022	12000.83	24 17N	113 7E	78.3	187.1	3.232	-1.75	72.9	S0312	.03070	9.2435	0.4	A
	9023	12004.43	23 50N	113 1E	77.1	187.1	3.232	-2.45	72.8	S0312	.03070	9.5076	0.4	V
	9024	12010.63	23 24N	113 7E	78.4	187.1	3.232	4.55	73.0	S0312	.03070	9.3508	0.4	V
	9025	12013.63	23 23N	113 7E	79.6	187.1	3.232	5.25	73.0	S0312	.03070	9.0867	0.4	A
	9026	12017.23	23 9N	113 2E	79.3	187.1	3.232	4.20	72.9	S0312	.03070	9.1197	0.4	A
	9027	12020.23	22 56N	112 59E	79.2	187.1	3.232	3.50	72.9	S0312	.03070	9.1280	0.4	A
	9028	12030.83	21 51N	112 25E	79.9	187.0	3.232	-11.55	72.4	S0312	.04070	9.0620	0.6	F
	9029	12033.63	21 51N	112 25E	79.0	187.0	3.232	-11.20	72.4	S0312	.04070	9.2765	0.6	V
	9030	12437.63	6 5S	106 54E	103.4	186.6	3.439	-28.00	54.5	S0312	.03070	6.9327	0.6	F
	9031	12441.23	6 5S	106 55E	101.9	186.6	3.439	-27.30	54.6	S0312	.03070	7.1308	0.6	V
	9032	12447.63	6 31S	106 49E	102.5	186.6	3.439	-27.65	54.2	S0312	.03070	7.0895	0.4	V
	9033	12451.43	6 31S	106 49E	103.7	186.6	3.439	-27.30	54.2	S0312	.03070	6.9409	0.4	A
1488	9001	17045.23	42 30N	95 38E	77.9	188.8	2.530	15.05	65.6	S0312	.03070	9.3013	0.4	A
	9002	17312.63	23 50N	90 25E	82.7	187.1	3.092	-21.35	72.4	S0312	.03070	8.7318	0.6	F
	9003	17313.83	23 45N	90 24E	82.8	187.1	3.092	-21.35	72.4	S0312	.03070	8.7318	0.4	F
	9004	17318.43	23 50N	90 25E	82.4	187.1	3.092	-20.30	72.4	S0312	.03070	8.8061	0.6	A
	9005	17319.83	23 45N	90 24E	82.4	187.1	3.092	-20.30	72.4	S0312	.03070	8.7979	0.4	A
	9006	18222.23	37 50S	77 33E	141.3	188.3	2.881	-35.00	25.1	S0312	.03070	5.0675	0.6	V
	9007	18227.63	37 51S	77 34E	142.6	188.3	3.092	-34.65	25.1	S0312	.03070	4.9767	0.4	A
1489	9001	21948.23	69 22N	88 14E	86.8	199.1	1.338	25.90	42.1	S0312	.04070	8.3687	0.6	F
	9002	21954.63	69 23N	88 6E	85.7	198.7	1.135	24.85	42.1	S0312	.04070	8.4430	0.4	A
	9003	22289.23	46 37N	74 31E	75.7	189.5	2.530	7.70	62.3	S0312	.03070	9.6067	0.6	F
	9004	22292.03	46 37N	74 30E	74.9	189.5	2.530	8.05	62.4	S0312	.03070	9.8130	0.6	V
	9005	22301.43	45 53N	73 24E	78.1	189.4	2.390	-19.60	62.6	S0312	.03070	9.2848	0.4	F
	9006	22307.03	45 53N	73 24E	77.7	189.3	2.530	-18.90	62.6	S0312	.03070	9.3508	0.4	A
	9007	22343.63	42 59N	72 44E	76.6	188.9	2.530	-15.75	64.8	S0312	.02200	9.4581	0.4	F
	9008	22349.03	42 59N	72 44E	76.3	188.9	2.530	-14.70	64.8	S0312	.02200	9.5241	0.4	A
	9009	22367.83	41 26N	72 60E	73.7	188.7	2.738	7.35	66.2	S0312	.03070	9.9780	0.4	V
	9010	22375.43	40 47N	72 21E	75.3	188.6	2.738	-9.45	66.4	S0312	.03070	9.6397	0.6	F
	9011	22378.63	40 45N	72 18E	74.6	188.6	2.738	-10.50	66.5	S0312	.02200	9.8460	0.6	V
	9012	22381.43	40 45N	72 18E	75.5	188.6	2.738	-10.15	66.5	S0312	.02200	9.6314	0.6	A
	9013	22391.63	39 55N	71 27E	82.4	188.5	2.390	-30.45	66.7	S0312	.03070	8.9052	0.6	V
	9014	22468.83	34 23N	70 36E	78.1	187.9	2.881	-17.15	70.1	S0312	.02200	9.2683	0.4	F
	9015	22471.63	34 23N	70 36E	77.1	187.9	2.881	-16.80	70.1	S0312	.02200	9.5159	0.4	V
	9016	22474.43	34 23N	70 36E	77.9	187.9	2.881	-16.45	70.1	S0312	.02200	9.3178	0.4	A
1490	9001	27294.23	67 7N	62 39E	77.6	197.1	1.484	8.75	44.2	S0312	.04070	9.3591	0.8	F
	9002	27299.83	67 6N	62 40E	77.7	196.8	1.484	9.45	44.2	S0312	.04070	9.3426	0.8	A
	9003	27406.83	59 42N	56 42E	76.5	193.0	1.826	-12.60	51.0	S0312	.04070	9.4664	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1490	9004	27410.62	59 26N	56 48E	75.6	192.9	1.826	-8.05	51.3	SO312	.04070	9.5819	0.8	F
	9005	27416.03	59 26N	56 46E	75.5	192.8	1.826	-7.35	51.3	SO312	.04070	9.6232	0.8	A
	9006	27431.83	58 1N	55 56E	76.1	192.4	1.826	-11.55	52.5	SO312	.04070	9.5159	1.2	F
	9007	27437.23	58 1N	55 55E	76.0	192.2	2.037	-11.55	52.5	SO312	.04070	9.5571	1.2	A
	9008	27439.83	57 51N	55 50E	76.0	192.2	2.037	-11.55	52.7	SO312	.04070	9.5654	0.4	A
	9009	27441.03	57 46N	55 48E	75.9	192.2	2.037	-11.55	52.8	SO312	.04070	9.5654	0.4	A
	9010	27447.03	57 11N	55 26E	75.7	192.0	1.826	-14.00	53.3	SO312	.04070	9.6892	0.6	V
	9011	27449.83	57 11N	55 26E	76.6	192.0	2.037	-14.00	53.3	SO312	.04070	9.4911	0.6	A
	9012	27458.43	56 17N	54 15E	86.4	191.8	1.484	-31.15	53.9	SO312	.03070	8.3852	0.6	F
	9013	27461.42	56 17N	54 16E	84.9	191.7	1.690	-30.80	53.9	SO312	.03070	8.6411	0.6	V
	9014	27466.62	56 7N	54 20E	83.8	191.6	1.826	-28.35	54.1	SO312	.03070	8.6658	0.4	A
	9015	27479.23	54 48N	56 8E	84.9	191.4	1.826	27.30	55.7	SO312	.03070	8.6658	0.4	V
	9016	27482.23	54 49N	56 9E	86.2	191.3	1.826	27.65	55.6	SO312	.03070	8.4182	0.6	A
	9017	27494.42	53 35N	55 31E	83.9	191.1	2.037	24.85	56.7	SO312	.03070	8.6741	0.8	F
	9018	27497.23	53 36N	55 32E	83.2	191.0	2.037	25.20	56.7	SO312	.03070	8.8309	1.0	V
	9019	27513.03	52 34N	52 50E	87.0	190.7	1.690	-32.20	57.1	SO312	.03070	8.3192	0.8	F
	9020	27516.03	52 34N	52 50E	85.7	190.7	1.690	-31.85	57.1	SO312	.03070	8.5750	0.8	V
	9021	27530.22	51 21N	54 43E	84.6	190.5	2.037	26.95	58.7	SO312	.03070	8.6741	0.8	V
	9022	27533.22	51 21N	54 43E	85.9	190.4	2.037	27.30	58.6	SO312	.03070	8.4182	0.8	A
	9023	27576.43	48 9N	54 1E	94.5	189.8	1.826	36.40	61.5	SO312	.03070	7.7828	0.4	V
	9024	27579.82	48 10N	54 0E	95.6	189.8	1.826	36.40	61.4	SO312	.02200	7.5682	0.4	A
	9025	27690.23	40 24N	49 57E	77.1	188.6	2.530	-15.40	66.6	SO312	.03070	9.4003	0.6	F
	9026	27692.83	40 24N	49 57E	76.1	188.5	2.530	-15.05	66.6	SO312	.03070	9.6479	0.6	V
	9027	27695.83	40 23N	49 56E	76.9	188.5	2.738	-15.05	66.6	SO312	.03070	9.4416	0.4	A
	9028	27843.62	29 57N	48 27E	81.3	187.5	2.738	17.85	72.5	SO312	.02200	9.0207	0.4	V
	9029	27846.62	29 57N	48 26E	82.6	187.5	2.738	18.20	72.5	SO312	.02200	8.7484	0.4	A
	9030	27853.02	29 20N	47 55E	76.6	187.5	3.092	3.15	72.3	SO312	.03070	9.5737	0.4	V
	9031	27855.83	29 21N	47 55E	77.7	187.5	3.092	3.50	72.4	SO312	.03070	9.3178	0.6	A
	9032	27920.02	24 44N	46 55E	77.2	187.2	3.092	0.70	72.9	SO312	.03070	9.4911	0.4	V
	9033	27922.82	24 45N	46 55E	78.3	187.2	3.092	1.05	72.9	SO312	.03070	9.2435	0.4	A
	9034	28058.03	15 21N	44 13E	92.8	186.8	3.092	-33.60	69.8	SO312	.02200	7.8818	0.4	V
	9035	28061.42	15 21N	44 12E	93.7	186.7	3.092	-33.25	69.8	SO312	.02200	7.7415	0.4	A
	9036	28083.62	13 17N	44 46E	82.7	186.7	3.439	0.70	69.5	SO312	.03070	8.7566	1.0	F
	9037	28086.62	13 16N	44 46E	81.9	186.7	3.439	1.05	69.5	SO312	.03070	8.9299	0.8	V
	9038	28093.22	12 48N	44 48E	83.1	186.7	3.232	5.95	69.4	SO312	.03070	8.7979	0.6	V
	9039	28096.23	12 49N	44 48E	84.3	186.7	3.232	6.30	69.4	SO312	.03070	8.5420	0.6	A
	9040	28123.42	10 25N	44 60E	97.6	186.6	2.881	27.30	68.4	SO312	.01650	7.4526	0.6	F
	9041	28127.02	10 25N	44 59E	97.0	186.6	2.881	27.65	68.5	SO312	.01650	7.5434	0.4	V
	9042	28134.82	9 44N	44 15E	85.3	186.6	3.439	4.90	67.5	SO312	.03070	8.4843	0.6	F
	9043	28141.02	9 44N	44 15E	85.9	186.6	3.232	6.30	67.5	SO312	.03070	8.3770	0.6	A
	9044	28221.43	3 51N	42 34E	91.5	186.5	3.439	-20.30	62.8	SO312	.03070	7.8653	1.2	F
	9045	28228.02	3 51N	42 34E	91.3	186.5	3.587	-19.25	62.8	SO312	.03070	7.8818	1.4	A
	9046	28284.62	0 21S	42 34E	91.2	186.5	3.232	8.40	60.0	SO312	.03070	7.9891	0.8	V
	9047	28288.02	0 20S	42 34E	92.6	186.5	3.232	8.75	60.1	SO312	.03070	7.7332	0.8	A
1491	9001	32593.62	67 45N	40 32E	76.4	197.5	1.338	-0.35	43.6	SO312	.04070	9.4994	0.4	F
	9002	32597.82	67 51N	40 33E	76.3	197.3	1.338	-1.05	43.5	SO312	.04070	9.5076	0.8	A
	9003	32640.62	64 37N	39 51E	88.1	195.4	1.484	29.75	46.7	SO312	.04070	8.3605	0.8	V
	9004	32643.82	64 37N	39 52E	89.4	195.3	1.484	30.10	46.7	SO312	.04070	8.1211	0.8	A
	9005	32733.42	58 30N	33 31E	80.7	192.5	1.690	-23.10	52.0	SO312	.03070	8.9712	0.6	F
	9006	32736.22	58 30N	33 31E	79.5	192.5	1.690	-22.75	52.0	SO312	.04070	9.2353	0.6	V
	9007	32741.62	57 58N	33 2E	83.5	192.3	1.690	-27.65	52.4	SO312	.03070	8.6658	0.4	F
	9008	32744.42	57 58N	33 3E	82.3	192.3	1.690	-27.30	52.4	SO312	.03070	8.9217	0.6	V
	9009	32747.62	57 58N	33 2E	83.3	192.2	1.690	-27.30	52.4	SO312	.03070	8.7401	0.4	A
	9010	32750.22	57 47N	32 56E	83.4	192.1	1.690	-27.65	52.6	SO312	.03070	8.7236	0.4	A
	9011	32797.42	54 11N	33 14E	77.4	191.2	2.037	15.40	56.1	SO312	.03070	9.4911	0.6	V
	9012	32800.22	54 12N	33 14E	78.5	191.1	2.037	15.75	56.1	SO312	.03070	9.2435	0.6	A
	9013	32809.42	53 43N	31 42E	78.2	191.0	2.037	-19.25	56.2	SO312	.03070	9.3013	0.6	A
	9014	32823.02	52 25N	30 58E	81.9	190.7	1.826	-25.90	57.2	SO312	.03070	8.8556	0.6	F
	9015	32825.82	52 26N	30 58E	80.8	190.7	2.037	-25.90	57.2	SO312	.03070	9.0867	0.6	V
	9016	32829.02	52 25N	30 58E	81.5	190.6	2.037	-25.55	57.3	SO312	.03070	8.9217	0.4	A
	9017	32840.22	51 7N	31 53E	76.6	190.4	2.390	10.50	58.7	SO312	.03070	9.4994	0.8	F
	9018	32845.62	51 7N	31 52E	76.7	190.4	2.181	11.20	58.7	SO312	.03070	9.4499	1.0	A
	9019	32854.82	50 26N	30 29E	78.2	190.2	2.181	-21.70	59.0	SO312	.03070	9.4003	0.8	V
	9020	32857.82	50 26N	30 28E	79.1	190.2	2.181	-21.70	59.0	SO312	.03070	9.2023	0.8	A
	9021	32879.22	48 25N	31 15E	80.2	189.9	2.390	18.90	61.0	SO312	.03070	9.0867	1.4	F
	9022	32881.22	48 17N	31 12E	80.2	189.8	2.390	18.90	61.1	SO312	.03070	9.0867	0.4	F
	9023	32882.22	48 13N	31 11E	80.2	189.8	2.390	18.90	61.2	SO312	.03070	9.0867	0.4	F
	9024	32886.62	48 8N	30 57E	76.8	189.8	2.390	13.65	61.2	SO312	.03070	9.5737	1.4	V
	9025	32888.62	47 60N	30 54E	76.8	189.7	2.390	13.65	61.3	SO312	.03070	9.5737	0.6	V
	9026	32891.42	47 60N	30 53E	77.7	189.7	2.390	13.65	61.3	SO312	.03070	9.3343	0.6	A
	9027	32892.62	47 55N	30 52E	77.7	189.7	2.390	13.65	61.4	SO312	.03070	9.3343	0.4	A
	9028	32897.42	47 11N	30 49E	79.8	189.6	2.390	18.20	62.0	SO312	.03070	9.1280	0.6	F
	9029	32901.22	46 56N	30 42E	79.5	189.6	2.390	17.50	62.2	SO312	.03070	9.1610	0.8	F
	9030	32904.02	46 56N	30 42E	78.8	189.6	2.390	17.85	62.2	SO312	.03070	9.3343	0.8	V
	9031	32910.82	46 27N	30 42E	80.9	189.5	2.181	21.70	62.6	SO312	.03070	9.0702	0.4	V
	9032	32913.82	46 27N	30 42E	82.1	189.4	2.181	22.05	62.6	SO312	.03070	8.8061	0.4	A
	9033	32915.02	46 22N	30 40E	82.1	189.4	2.181	22.05	62.7	SO312	.03070	8.8061	1.0	A
	9034	32943.62	44 10N	28 39E	78.8	189.1	2.390	-20.65	63.9	SO312	.04070	9.1940	0.6	F
	9035	32948.22	43 51N	28 33E	79.0	189.1	2.390	-21.00	64.1	SO312	.04070	9.1693	1.0	F
	9036	32954.02	43 50N	28 33E	78.6	189.0	2.530	-20.30	64.1	SO312	.04070	9.2435	0.8	A
	9037	32960.42	43 16N	27 49E	89.1	188.9	2.181	-35.70	64.3	SO312	.01650	8.2614	0.8	V
	9038	32963.62	43 16N	27 50E	89.6	188.9	2.390	-35.35	64.3	SO312	.01650	8.1294	0.8	A
	9039	32967.82	42 44N	27 53E	84.8	188.9	2.181	-31.15	64.7	SO312	.01650	8.6411	0.4	V
	9040	32970.82	42 45N	27 52E	85.7	188.8	2.390	-31.15	64.7	SO312	.01650	8.4925	0.4	A
	9041	32975.82	42 11N	27 51E	82.5	188.8	2.390	-28.35	65.2	SO312	.03070	8.8969	0.4	V
	9042	32978.82	42 11N	27 51E	83.0	188.7	2.390	-27.65	65.2	SO312	.03070	8.7649	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1491 9043	32993.02	41 2N	29 1E	81.0	188.6	2.390	19.60	66.7	SO312	.03070	8.9299	1.0	A
1492 9001	38101.02	54 3N	12 22E	101.8	191.2	1.826	40.25	56.4	SO312	.03070	7.1473	0.6	F
9002	38104.62	54 3N	12 23E	101.1	191.2	1.826	40.60	56.4	SO312	.03070	7.2546	0.6	V
9003	38116.02	53 21N	11 31E	88.8	191.0	1.826	31.50	56.9	SO312	.03070	8.2614	0.8	V
9004	38119.42	53 21N	11 31E	90.2	190.9	1.826	31.85	57.0	SO312	.03070	8.0056	0.6	A
9005	38123.42	52 52N	11 12E	86.7	190.8	1.826	29.40	57.4	SO312	.03070	8.4595	0.8	V
9006	38126.62	52 52N	11 12E	88.1	190.8	1.826	29.75	57.4	SO312	.03070	8.2367	0.8	A
9007	38144.42	51 15N	10 30E	86.3	190.5	2.181	27.65	58.7	SO312	.03070	8.4678	0.8	F
9008	38147.42	51 15N	10 30E	85.2	190.4	2.181	27.65	58.7	SO312	.03070	8.6411	0.8	V
9009	38153.62	50 50N	10 16E	83.9	190.4	2.037	26.25	59.1	SO312	.03070	8.7649	0.6	V
9010	38156.82	50 50N	10 16E	85.2	190.3	2.037	26.60	59.1	SO312	.03070	8.5008	0.6	A
9011	38266.42	43 8N	5 56E	84.7	188.9	2.181	-29.75	64.5	SO312	.04070	8.5338	0.6	F
9012	38269.42	43 8N	5 56E	83.4	188.9	2.181	-29.40	64.5	SO312	.04070	8.7896	0.6	V
9013	38272.42	43 9N	5 56E	84.3	188.9	2.390	-29.40	64.5	SO312	.04070	8.6411	0.6	A
9014	38364.02	36 40N	4 12E	87.4	188.1	2.390	-33.95	68.5	SO312	.03070	8.3935	0.6	V
9015	38367.22	36 40N	4 13E	87.8	188.1	2.390	-33.95	68.5	SO312	.03070	8.2862	0.6	A
1494 9001	49531.42	1 5S	47 39W	121.1	186.5	3.232	-44.10	58.4	SO312	.02200	5.9753	0.8	A
9002	49740.42	15 38S	47 32W	129.4	186.8	2.037	36.40	47.2	SO312	.02200	5.4637	1.4	A
9003	49825.22	21 42S	48 50W	124.1	187.0	2.390	30.10	41.5	SO312	.03070	5.8020	1.4	V
9004	49839.42	22 43S	48 31W	142.1	187.1	1.826	39.90	40.8	SO312	.02200	5.0758	1.4	V
9005	49847.42	23 12S	49 15W	121.3	187.1	2.390	26.95	40.1	SO312	.03070	5.9423	0.8	V
9006	49852.82	23 15S	48 48W	138.9	187.1	1.826	37.10	40.2	SO312	.02200	5.0840	1.2	A
9007	49882.42	25 22S	51 31W	114.3	187.2	3.439	-23.80	37.2	SO312	.03070	6.3055	1.0	V
9008	49895.22	25 56S	51 37W	115.9	187.3	3.587	-23.10	36.7	SO312	.03070	6.1404	1.4	A
9009	49913.62	27 9S	52 2W	120.2	187.3	3.439	-26.60	35.5	SO312	.03070	5.9258	1.0	A
1495 9001	54656.82	10 40N	66 58W	91.6	186.6	3.232	-26.95	67.4	SO312	.02200	7.8570	1.4	F
9002	54661.82	10 31N	66 51W	86.7	186.6	3.439	-21.35	67.5	SO312	.03070	8.4182	0.8	V
9003	54665.22	10 30N	66 51W	87.6	186.6	3.439	-20.65	67.5	SO312	.03070	8.2532	0.4	A
9004	54669.62	10 11N	66 47W	86.3	186.6	3.439	-16.10	67.4	SO312	.03070	8.3687	1.4	A
9005	54679.22	9 14N	66 18W	85.5	186.6	3.232	9.45	67.3	SO312	.03070	8.5338	0.8	V
9006	54690.22	8 49N	67 16W	91.4	186.6	3.587	-25.20	66.3	SO312	.03070	7.8900	0.6	A
9007	54704.82	7 41N	66 10W	96.3	186.6	2.738	24.50	66.5	SO312	.02200	7.4279	1.4	A
9008	54720.22	6 17N	67 26W	88.0	186.6	3.439	-15.75	64.7	SO312	.03070	8.1954	1.4	F
9009	54727.22	6 14N	67 29W	88.4	186.6	3.587	-16.10	64.7	SO312	.03070	8.1459	1.4	A
9010	54990.42	12 14S	70 51W	101.8	186.7	3.439	-19.25	49.4	SO312	.03070	7.0317	1.6	F
9011	55060.62	16 45S	71 53W	106.9	186.8	3.439	-24.15	45.2	SO312	.02200	6.7676	1.2	V
9012	55074.22	17 53S	70 9W	124.4	186.8	2.181	33.25	45.1	SO312	.01650	5.8103	0.6	V
9013	55079.62	18 13S	70 33W	115.0	186.9	2.390	25.20	44.7	SO312	.03070	6.2807	0.6	V
9014	55085.22	18 18S	70 29W	124.1	186.9	2.181	31.15	44.7	SO312	.02200	5.7112	1.2	A
1496 9001	59922.82	13 31N	88 11W	82.6	186.7	3.439	-12.95	69.4	SO312	.03070	8.8474	0.6	V
9002	59925.82	13 31N	88 12W	83.7	186.7	3.439	-12.60	69.4	SO312	.03070	8.6328	0.6	A
1498 9001	71043.22	21 47S	138 50W	107.4	187.0	3.439	-15.05	40.8	SO312	.03070	6.6438	1.0	F
9002	71047.02	21 47S	138 50W	106.1	187.0	3.439	-14.35	40.8	SO312	.03070	6.8006	1.8	V
9003	71051.82	21 50S	138 50W	107.5	187.0	3.439	-13.65	40.7	SO312	.03070	6.6356	1.0	A
1500 9001	81983.22	43 33S	172 43E	124.9	189.0	2.390	4.55	20.5	SO312	.05390	5.7195	0.8	V
1501 5001	85732.02	62 33N	176 57E	84.1	194.4	1.690	24.15	48.5	SO312	.03080	8.6501	0.8	F
9001	85700.82	64 43N	177 39E	77.6	195.5	1.484	10.50	46.4	SO312	.04070	9.3591	0.6	F
9002	85706.22	64 45N	177 30E	76.8	195.3	1.484	7.70	46.3	SO312	.04070	9.4499	0.4	A
1502 9001	4694.02	59 38N	151 2E	78.4	192.8	1.826	-18.90	50.9	SO312	.03070	9.2765	0.4	A
9002	4908.02	44 34N	146 35E	76.8	189.2	2.530	11.55	63.9	SO312	.02200	9.4746	0.4	F
9003	4913.62	44 33N	146 36E	77.2	189.1	2.530	12.60	63.9	SO312	.02200	9.3921	0.4	A
9004	4927.42	43 28N	145 55E	73.8	189.0	2.530	0.70	64.6	SO312	.04070	9.9615	0.4	V
9005	4930.22	43 27N	145 55E	74.7	189.0	2.738	0.70	64.6	SO312	.04070	9.7140	0.4	A
9006	5422.02	9 32N	138 5E	90.2	186.6	3.232	-25.55	66.8	SO312	.03070	8.0881	1.0	V
9007	5578.22	1 10S	136 4E	99.5	186.5	3.439	-29.05	58.8	SO312	.02200	7.3123	0.6	V
9008	5582.02	1 11S	136 5E	100.4	186.5	3.439	-28.35	58.8	SO312	.02200	7.1885	0.6	A
9009	5741.62	12 15S	133 21E	130.8	186.7	2.881	-44.10	48.9	SO312	.02200	5.5297	1.2	V
9010	5746.42	12 15S	133 20E	132.3	186.7	3.092	-44.10	48.9	SO312	.02200	5.4306	1.2	A
1503 9001	9964.02	62 8N	129 35E	85.0	193.9	1.338	-30.10	48.6	SO312	.03070	8.6246	0.6	V
9002	9967.02	62 8N	129 35E	85.7	193.8	1.338	-29.75	48.6	SO312	.03070	8.4760	0.6	A
9003	10180.82	47 21N	123 59E	81.4	189.6	2.181	-27.30	61.2	SO312	.03070	9.0124	0.6	V
9004	10183.82	47 21N	123 59E	82.1	189.6	2.181	-26.95	61.2	SO312	.03070	8.8556	0.6	A
9005	10235.62	43 14N	124 26E	82.2	189.0	2.530	22.05	65.0	SO312	.02200	8.8721	1.0	F
9006	10238.62	43 13N	124 26E	81.5	189.0	2.530	22.40	65.0	SO312	.02200	9.0290	0.8	V
9007	10243.42	43 6N	124 30E	84.7	188.9	2.181	25.90	65.2	SO312	.03070	8.5585	1.2	A
9008	10253.22	42 5N	123 45E	76.8	188.8	2.738	11.20	65.7	SO312	.03070	9.4746	0.4	F
9009	10255.22	41 56N	123 43E	77.0	188.8	2.738	11.20	65.8	SO312	.03070	9.4499	0.6	F
9010	10258.02	41 56N	123 43E	76.2	188.8	2.530	11.55	65.8	SO312	.03070	9.6562	1.4	V
9011	10261.62	41 53N	123 42E	77.2	188.7	2.530	11.90	65.8	SO312	.03070	9.3921	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1503 9012	10266.02	41 34N	123 46E	79.4	188.7	2.530	17.15	66.1	SO312	.02200	9.1197	1.0	A
9013	10277.22	40 55N	122 32E	77.8	188.6	2.738	-18.55	66.1	SO312	.03070	9.3426	0.4	A
9014	10294.22	39 23N	121 54E	82.4	188.4	2.390	-26.95	67.0	SO312	.03070	8.7731	0.6	F
9015	10297.22	39 22N	121 54E	81.3	188.4	2.390	-26.60	67.0	SO312	.03070	9.0290	0.6	V
9016	10302.22	38 51N	121 27E	89.9	188.4	2.181	-35.35	67.1	SO312	.03070	8.0551	0.6	F
9017	10308.62	38 51N	121 28E	89.0	188.3	2.390	-34.65	67.1	SO312	.03070	8.1789	0.6	A
9018	10323.22	37 18N	122 24E	76.4	188.2	2.881	7.00	68.8	SO312	.03070	9.5159	0.4	F
9019	10325.82	37 18N	122 24E	75.6	188.2	2.881	7.35	68.8	SO312	.03070	9.7140	0.4	V
9020	10328.82	37 17N	122 25E	76.7	188.2	2.881	8.40	68.8	SO312	.03070	9.4416	0.4	A
9021	10339.02	36 44N	121 9E	85.2	188.1	2.738	-30.45	68.5	SO312	.03070	8.5255	0.4	A
9022	10394.82	32 53N	120 21E	84.8	187.7	2.738	-28.70	70.4	SO312	.03070	8.5750	0.4	A
9023	10413.42	31 2N	121 24E	84.6	187.6	2.738	22.40	72.2	SO312	.03070	8.6081	0.8	F
9024	10419.42	31 2N	121 24E	85.1	187.6	2.530	23.10	72.2	SO312	.03070	8.4843	0.8	A
9025	10447.62	29 15N	119 39E	82.9	187.4	2.881	-27.30	71.7	SO312	.03070	8.7814	0.6	A
9026	10485.62	26 11N	119 20E	79.6	187.3	3.092	-16.80	72.4	SO312	.03070	9.0950	0.4	F
9027	10489.82	26 5N	119 24E	77.5	187.3	3.092	-12.95	72.5	SO312	.03070	9.4664	0.6	V
9028	10492.62	26 5N	119 24E	78.3	187.2	3.092	-12.60	72.5	SO312	.03070	9.2600	0.6	A
9029	10498.62	25 26N	119 38E	77.0	187.2	3.092	1.40	72.9	SO312	.03070	9.5241	0.6	V
9030	10501.62	25 26N	119 38E	78.1	187.2	3.092	1.75	72.9	SO312	.03070	9.2683	0.4	A
9031	10980.42	7 48S	112 43E	106.6	186.6	3.232	-30.10	53.1	SO312	.02200	6.7099	0.6	F
9032	10984.22	7 48S	112 43E	105.1	186.6	3.439	-29.75	53.2	SO312	.03070	6.9162	0.6	V
1504 9001	15203.62	66 29N	112 26E	75.7	196.5	1.484	6.65	44.7	SO312	.04070	9.6974	0.6	V
9002	15206.42	66 29N	112 25E	76.6	196.4	1.484	6.65	44.7	SO312	.04070	9.4746	0.6	A
9003	15338.82	57 17N	106 33E	74.2	192.1	2.037	0.35	53.1	SO312	.04070	9.7882	0.8	F
9004	15344.22	57 17N	106 32E	74.2	192.0	2.037	0.70	53.1	SO312	.04070	9.7882	0.8	A
9005	15412.22	52 49N	103 29E	84.4	190.7	2.037	-30.10	56.7	SO312	.03070	8.6246	0.4	A
9006	15551.62	42 59N	101 20E	73.2	188.9	2.530	-6.65	64.8	SO312	.03070	10.0358	0.4	V
9007	15554.22	42 60N	101 20E	74.0	188.9	2.530	-6.30	64.8	SO312	.03070	9.8047	0.4	A
9008	15576.82	41 19N	100 19E	80.2	188.7	2.390	-24.85	65.7	SO312	.02200	9.1610	0.4	V
9009	15579.82	41 19N	100 19E	80.9	188.6	2.390	-24.50	65.7	SO312	.02200	8.9877	0.4	A
9010	15589.42	40 29N	99 55E	83.4	188.5	2.390	-30.45	66.2	SO312	.03070	8.7979	0.4	V
9011	15592.42	40 29N	99 55E	84.1	188.5	2.390	-30.10	66.2	SO312	.03070	8.6493	0.4	A
9012	15622.62	38 6N	100 19E	73.0	188.3	2.738	1.75	68.2	SO312	.03070	10.0688	0.4	V
9013	15625.42	38 5N	100 19E	73.9	188.3	2.738	2.10	68.2	SO312	.03070	9.8130	0.4	A
1505 5001	21027.02	31 20N	75 39E	89.0	187.6	2.530	-33.25	70.9	SO312	.02210	8.0971	0.8	F
5002	21030.22	31 20N	75 39E	87.8	187.6	2.530	-32.90	70.9	SO312	.02210	8.3365	0.8	V
9001	20649.62	56 52N	85 35E	88.1	192.1	1.826	29.75	53.7	SO312	.03070	8.2532	0.4	F
9002	20652.62	56 53N	85 36E	87.3	192.0	1.826	30.10	53.7	SO312	.03070	8.3935	0.6	V
9003	20658.82	56 30N	85 3E	81.6	191.9	1.826	23.10	54.0	SO312	.03070	8.9959	0.4	V
9004	20662.02	56 29N	85 2E	82.7	191.8	1.826	23.45	54.0	SO312	.03070	8.7401	0.4	A
9005	20677.22	55 15N	82 60E	76.1	191.5	2.037	-13.65	54.8	SO312	.04070	9.5241	0.4	F
9006	20679.82	55 15N	83 0E	75.1	191.4	2.037	-13.30	54.8	SO312	.04070	9.7717	0.4	V
9007	20684.02	54 48N	82 33E	78.5	191.3	1.826	-19.95	55.1	SO312	.03070	9.2188	0.4	F
9008	20689.62	54 48N	82 33E	78.2	191.2	2.037	-19.60	55.1	SO312	.03070	9.2931	0.4	A
9009	20702.02	53 35N	83 49E	82.2	191.0	2.037	24.15	56.6	SO312	.03070	8.9382	0.4	V
9010	20706.02	53 8N	83 24E	79.6	190.9	2.037	18.55	56.9	SO312	.03070	9.1445	0.6	F
9011	20708.82	53 8N	83 24E	78.8	190.9	2.037	18.90	56.9	SO312	.03070	9.3178	0.4	V
9012	20713.82	52 36N	83 15E	80.4	190.8	2.181	19.95	57.4	SO312	.03070	9.0537	0.4	F
9013	20715.42	52 30N	83 12E	80.4	190.8	2.181	19.95	57.5	SO312	.03070	9.0620	0.4	F
9014	20719.42	52 25N	83 7E	78.7	190.7	2.181	18.55	57.5	SO312	.03070	9.3508	0.6	V
9015	20722.42	52 25N	83 6E	79.6	190.7	2.181	18.55	57.5	SO312	.03070	9.1115	0.4	A
9016	20735.42	51 30N	81 12E	79.2	190.4	2.037	-23.80	57.9	SO312	.03070	9.2683	0.6	V
9017	20738.22	51 31N	81 12E	79.9	190.4	2.037	-23.45	57.9	SO312	.03070	9.0950	0.6	A
9018	20746.02	50 37N	80 30E	87.3	190.3	1.826	-33.25	58.5	SO312	.02200	8.2614	0.6	F
9019	20749.02	50 37N	80 30E	86.0	190.2	1.826	-32.90	58.5	SO312	.02200	8.5255	0.6	V
9020	20758.22	49 42N	81 14E	74.4	190.1	2.390	-7.00	59.6	SO312	.03070	9.7470	0.4	F
9021	20762.62	49 34N	81 16E	73.4	190.0	2.390	-4.20	59.7	SO312	.03070	10.0111	0.4	V
9022	20765.22	49 13N	81 9E	74.2	190.0	2.390	-4.55	60.0	SO312	.03070	9.7800	0.4	F
9023	20767.82	49 13N	81 9E	73.4	190.0	2.390	-4.55	60.0	SO312	.03070	10.0111	0.4	V
9024	20771.42	48 59N	81 1E	73.4	189.9	2.390	-5.95	60.2	SO312	.03070	10.0028	0.4	V
9025	20774.22	48 58N	81 1E	74.3	189.9	2.390	-5.60	60.2	SO312	.03070	9.7800	0.4	A
9026	20836.22	44 50N	78 59E	82.2	189.1	2.390	-29.05	63.1	SO312	.02200	8.8474	0.6	A
9027	21012.62	32 19N	75 44E	92.1	187.7	2.390	-36.40	70.4	SO312	.02200	7.8323	1.0	F
9028	21015.82	32 19N	75 44E	90.7	187.7	2.390	-36.05	70.4	SO312	.02200	8.0799	1.0	V
9029	21034.82	30 47N	75 39E	86.4	187.6	2.530	-30.10	71.1	SO312	.02200	8.3440	0.8	F
9030	21042.42	30 24N	76 9E	76.3	187.5	3.092	-9.80	71.7	SO312	.02200	9.6149	0.6	V
9031	21045.22	30 24N	76 9E	77.1	187.5	3.092	-9.45	71.7	SO312	.02200	9.4003	0.6	A
9032	21214.62	18 34N	73 47E	79.9	186.9	3.232	-11.20	71.6	SO312	.03070	9.1527	0.8	V
9033	21217.62	18 34N	73 47E	80.9	186.9	3.439	-10.85	71.6	SO312	.03070	8.9464	0.8	A
1506 9001	25964.42	56 49N	60 56E	81.4	191.9	1.690	-26.60	53.3	SO312	.03070	9.0207	0.4	V
9002	25967.42	56 49N	60 57E	82.1	191.8	1.690	-26.25	53.3	SO312	.03070	8.8556	0.4	A
9003	25985.02	55 17N	61 35E	74.1	191.5	2.037	4.20	54.9	SO312	.04070	9.9203	0.4	V
9004	25987.82	55 16N	61 35E	75.0	191.4	2.037	4.55	54.9	SO312	.04070	9.6809	0.4	A
9005	26012.42	53 15N	60 40E	74.5	190.9	2.181	1.05	56.6	SO312	.04070	9.7552	0.4	F
9006	26015.02	53 4N	60 37E	74.5	190.9	2.181	1.40	56.8	SO312	.04070	9.7552	1.2	F
9007	26018.22	53 2N	60 34E	73.6	190.8	2.181	1.05	56.8	SO312	.04070	9.9863	0.6	V
9008	26019.42	52 57N	60 32E	73.6	190.8	2.181	1.05	56.9	SO312	.04070	9.9863	0.4	V
9009	26023.82	52 38N	60 37E	74.3	190.7	2.181	6.65	57.2	SO312	.04070	9.8873	0.4	V
9010	26026.62	52 38N	60 37E	75.3	190.7	2.181	7.00	57.2	SO312	.03070	9.6397	0.4	A
9011	26036.62	51 37N	59 55E	74.3	190.5	2.181	-2.80	58.0	SO312	.03070	9.7717	0.6	F
9012	26039.22	51 27N	59 51E	74.3	190.5	2.181	-3.15	58.1	SO312	.03070	9.7717	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG Nm	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1506	9013	26044.02	51 8N	59 38E	74.4	190.4	2.181	-5.95	58.4	S0312	.03070	9.7470	0.4	F
	9014	26046.62	51 8N	59 38E	73.5	190.4	2.181	-5.60	58.4	S0312	.04070	9.9946	1.2	V
	9015	26050.02	51 5N	59 37E	74.4	190.3	2.390	-5.60	58.4	S0312	.03070	9.7635	0.4	A
	9016	26054.42	50 46N	59 36E	74.3	190.3	2.390	-2.80	58.7	S0312	.03070	9.7717	0.6	A
	9017	26079.42	48 47N	58 3E	82.8	189.9	2.037	-28.00	60.1	S0312	.03070	8.7318	0.4	F
	9018	26082.22	48 47N	58 3E	81.6	189.9	2.037	-27.65	60.1	S0312	.03070	8.9959	0.4	V
	9019	26086.82	48 29N	57 45E	85.6	189.8	2.037	-32.55	60.2	S0312	.03070	8.5750	0.4	V
	9020	26090.02	48 29N	57 45E	86.3	189.8	2.037	-32.20	60.3	S0312	.03070	8.4347	0.4	A
1507	9001	31044.01	71 34N	52 26E	81.4	201.1	1.135	19.95	39.7	S0312	.04070	9.0290	0.8	V
	9002	31047.01	71 34N	52 25E	82.3	200.9	1.135	19.95	39.7	S0312	.04070	8.8144	0.8	A
	9003	31179.81	62 57N	41 42E	83.6	194.3	1.338	-28.35	47.8	S0312	.04070	8.7814	0.6	V
	9004	31183.01	62 56N	41 42E	84.3	194.2	1.338	-28.00	47.8	S0312	.04070	8.6246	0.6	A
	9005	31241.21	58 22N	41 40E	81.3	192.6	2.037	21.00	52.3	S0312	.03070	8.9464	0.4	F
	9006	31242.81	58 15N	41 36E	81.3	192.5	2.037	21.00	52.4	S0312	.03070	8.9464	0.4	F
	9007	31245.61	58 15N	41 36E	80.4	192.5	1.826	21.35	52.3	S0312	.03070	9.1445	0.4	V
	9008	31247.61	58 7N	41 32E	80.4	192.4	1.826	21.35	52.5	S0312	.03070	9.1445	0.4	V
	9009	31250.61	58 7N	41 34E	82.0	192.3	1.826	22.40	52.5	S0312	.03070	8.8391	0.4	A
	9010	31252.61	57 59N	41 30E	82.0	192.3	1.826	22.40	52.6	S0312	.03070	8.8474	0.4	A
	9011	31256.41	57 45N	41 13E	79.9	192.2	1.826	18.90	52.8	S0312	.03070	9.0785	0.4	A
	9012	31257.41	57 40N	41 11E	79.9	192.2	1.826	18.90	52.9	S0312	.03070	9.0785	0.4	A
	9013	31263.41	56 55N	40 35E	77.3	192.0	2.037	12.95	53.5	S0312	.04070	9.4086	0.6	F
	9014	31266.21	56 55N	40 35E	76.5	192.0	2.037	13.30	53.5	S0312	.04070	9.6067	0.6	V
	9015	31278.41	56 18N	38 19E	86.0	191.7	1.690	-32.55	53.7	S0312	.03070	8.5255	1.0	V
	9016	31281.61	56 18N	38 20E	86.7	191.7	1.690	-32.20	53.7	S0312	.03070	8.3852	0.8	A
	9017	31288.01	55 38N	38 10E	84.2	191.5	1.690	-30.45	54.3	S0312	.03070	8.7153	1.6	V
	9018	31291.81	55 35N	38 8E	85.2	191.4	1.690	-30.45	54.3	S0312	.03070	8.5420	0.6	A
	9019	31299.61	55 2N	38 3E	83.1	191.3	1.826	-28.00	54.8	S0312	.03070	8.7484	0.8	A
	9020	31306.01	54 11N	37 52E	81.4	191.2	1.826	-25.55	55.6	S0312	.03070	8.8804	0.8	F
	9021	31311.81	54 11N	37 52E	81.0	191.1	2.037	-25.20	55.6	S0312	.03070	8.9794	0.8	A
	9022	31378.41	49 4N	37 45E	80.5	190.0	2.390	19.95	60.3	S0312	.03070	9.0372	0.4	F
	9023	31383.21	48 45N	37 38E	80.5	189.9	2.390	19.95	60.6	S0312	.03070	9.0455	1.0	F
	9024	31389.01	48 45N	37 39E	81.0	189.9	2.181	21.00	60.6	S0312	.03070	8.9464	1.0	A
	9025	31395.01	48 5N	37 47E	86.4	189.8	2.037	29.40	61.2	S0312	.03070	8.5008	1.0	V
	9026	31398.21	48 5N	37 47E	87.8	189.7	2.037	29.75	61.3	S0312	.03070	8.2367	0.8	A
	9027	31399.61	47 60N	37 45E	87.9	189.7	2.037	29.75	61.3	S0312	.03070	8.2284	0.6	A
	9028	31405.01	47 14N	37 20E	83.9	189.7	2.390	24.85	61.9	S0312	.03070	8.6823	0.4	F
	9029	31410.21	47 5N	37 12E	81.8	189.6	2.181	23.45	62.0	S0312	.03070	8.9959	0.4	V
	9030	31413.21	47 5N	37 12E	83.0	189.5	2.181	23.80	62.0	S0312	.03070	8.7236	0.4	A
	9031	31433.61	45 24N	35 52E	74.4	189.3	2.530	-1.05	63.0	S0312	.03070	9.7635	0.8	F
	9032	31439.41	45 2N	35 25E	75.6	189.2	2.530	-12.25	63.2	S0312	.04070	9.5819	0.8	F
	9033	31442.21	45 2N	35 25E	74.7	189.2	2.530	-11.90	63.2	S0312	.04070	9.8295	0.4	V
	9034	31444.81	45 2N	35 25E	75.5	189.2	2.530	-11.55	63.2	S0312	.04070	9.6149	1.4	A
	9035	31639.61	31 16N	32 18E	76.4	187.6	3.092	-3.15	71.5	S0312	.04070	9.4911	0.4	F
	9036	31645.01	31 16N	32 19E	76.6	187.6	3.092	-2.10	71.6	S0312	.04070	9.4581	0.4	A
	9037	31653.61	30 22N	31 27E	84.2	187.6	2.738	-26.95	71.3	S0312	.01650	8.5833	0.8	F
	9038	31656.41	30 22N	31 27E	83.0	187.5	2.738	-26.60	71.3	S0312	.01650	8.8309	1.0	V
	9039	31658.01	30 16N	31 25E	83.1	187.5	2.738	-26.60	71.4	S0312	.01650	8.8226	0.4	V
	9040	31661.01	30 16N	31 25E	83.9	187.5	2.738	-26.25	71.4	S0312	.03070	8.6576	0.6	A
	9041	31664.01	29 51N	31 20E	83.2	187.5	2.738	-26.60	71.5	S0312	.02200	8.8144	0.6	V
	9042	31667.01	29 51N	31 20E	84.0	187.5	2.738	-26.25	71.5	S0312	.02200	8.6493	0.8	A
	9043	31673.01	29 15N	31 2E	87.6	187.5	2.738	-32.20	71.5	S0312	.01650	8.3605	0.8	V
	9044	31676.21	29 15N	31 2E	88.5	187.4	2.738	-31.85	71.5	S0312	.01650	8.2119	0.8	A
	9045	32500.81	27 45S	21 30E	110.3	187.3	3.092	1.40	35.5	S0312	.03070	6.4705	0.8	F
	9046	32504.81	27 46S	21 30E	109.9	187.4	3.092	2.10	35.5	S0312	.03070	6.5448	0.8	V
	9047	32509.01	27 46S	21 29E	111.1	187.4	3.092	2.10	35.5	S0312	.03070	6.3715	0.6	A
	9048	32600.61	34 3S	18 46E	129.1	187.9	3.092	-29.75	29.0	S0312	.03070	5.5627	0.6	V
	9049	32605.41	34 3S	18 46E	130.7	187.9	3.092	-29.40	29.1	S0312	.03070	5.4306	0.6	A
1508	9001	36610.61	54 14N	15 42E	82.7	191.2	1.826	-27.30	55.5	S0312	.03070	8.7484	1.0	F
	9002	36613.61	54 14N	15 42E	81.4	191.1	1.826	-26.95	55.5	S0312	.03070	9.0042	0.8	V
	9003	36616.81	54 13N	15 42E	82.2	191.1	2.037	-26.95	55.6	S0312	.03070	8.8474	0.4	A
	9004	36624.61	53 18N	14 59E	89.4	190.9	1.690	-35.00	56.2	S0312	.03070	8.0881	0.8	F
	9005	36627.61	53 19N	14 58E	88.4	190.9	1.690	-35.00	56.2	S0312	.03070	8.3109	1.0	V
	9006	36639.41	52 27N	15 20E	77.6	190.7	2.037	-20.65	57.1	S0312	.03070	9.4664	0.6	V
	9007	36642.21	52 27N	15 19E	78.5	190.6	2.037	-20.65	57.1	S0312	.03070	9.2683	0.6	A
	9008	36652.81	51 24N	16 12E	76.3	190.5	2.181	13.30	58.3	S0312	.03070	9.6397	0.4	V
	9009	36657.41	51 4N	16 12E	77.6	190.4	2.181	16.45	58.6	S0312	.03070	9.4829	0.4	V
	9010	36660.21	51 4N	16 12E	78.6	190.3	2.181	16.80	58.6	S0312	.03070	9.2188	0.4	A
	9011	36668.41	50 15N	14 53E	75.6	190.2	2.181	-12.95	59.0	S0312	.03070	9.5902	0.6	F
	9012	36671.21	50 15N	14 53E	74.7	190.2	2.181	-12.60	59.0	S0312	.03070	9.8377	0.4	V
	9013	36677.21	49 42N	14 4E	83.7	190.1	2.037	-29.40	59.3	S0312	.03070	8.6493	0.6	F
	9014	36680.21	49 42N	14 4E	82.7	190.1	2.037	-29.40	59.3	S0312	.03070	8.8804	0.4	V
	9015	36685.21	49 7N	14 21E	77.1	190.0	2.181	-17.85	59.9	S0312	.03070	9.3921	0.8	F
	9016	36690.61	49 8N	14 21E	76.9	189.9	2.390	-17.50	59.9	S0312	.03070	9.4581	1.0	A
	9017	36730.21	46 7N	14 29E	76.8	189.4	2.390	14.70	62.7	S0312	.03070	9.5854	0.4	V
	9018	36733.01	46 7N	14 29E	77.9	189.4	2.390	15.05	62.7	S0312	.03070	9.3013	0.4	A
	9019	36741.81	45 17N	14 34E	82.7	189.3	2.181	24.50	63.4	S0312	.04070	8.8969	0.4	V
	9020	36744.81	45 17N	14 34E	83.9	189.2	2.181	24.85	63.4	S0312	.04070	8.6328	0.4	A
1509	5001	41909.21	54 37N	5 55W	78.1	191.3	1.826	-19.60	55.3	S0312	.03080	9.2692	0.6	F
	5002	41914.81	54 37N	5 56W	78.1	191.2	2.037	-19.60	55.3	S0312	.03080	9.3270	0.6	A
	9001	41914.61	54 38N	5 56W	78.1	191.2	2.037	-19.60	55.3	S0312	.03070	9.3261	0.8	A
	9002	41927.61	53 21N	6 14W	76.5	191.0	2.037	-19.75	56.4	S0312	.03070	9.4664	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1509 9003	41933.01	53 21N	6 13W	76.2	190.9	2.181	-15.05	56.4	SO312	.03070	9.5241	0.8	A
9004	42530.81	11 53N	15 35W	83.2	186.7	3.439	-0.35	68.8	SO312	.04070	8.6906	0.8	F
9005	42536.81	11 53N	15 35W	83.6	186.7	3.439	0.70	68.8	SO312	.03070	8.6163	0.8	A
1510 9001	48083.81	4 48S	40 22W	95.1	186.5	3.232	9.45	58.5	SO312	.03070	7.5187	1.4	A
9002	48304.01	19 47S	43 8W	104.7	186.9	3.232	5.60	43.0	SO312	.03070	6.7841	1.6	A
9003	48317.41	20 43S	42 50W	113.3	187.0	2.738	19.95	42.4	SO312	.03070	6.2477	0.6	A
9004	48340.41	22 51S	43 8W	115.9	187.1	2.738	21.00	40.4	SO312	.04070	6.1817	0.4	F
9005	48344.81	22 52S	43 10W	114.7	187.1	2.530	21.00	40.4	SO312	.04070	6.2890	0.6	V
9006	48349.21	22 52S	43 10W	116.7	187.1	2.530	21.35	40.4	SO312	.04070	6.0579	0.6	A
1511 5001	54006.21	46 31S	71 36W	126.0	189.5	2.390	0.00	17.6	SO312	.04000	5.5796	1.0	A
9001	53228.61	5 46N	60 17W	93.5	186.5	2.881	21.70	65.2	SO312	.03070	7.7993	1.6	V
9002	53243.41	4 37N	61 8W	86.1	186.5	3.587	-3.50	63.9	SO312	.03070	8.3770	1.4	F
9003	53248.81	4 40N	61 6W	86.5	186.5	3.587	-1.75	63.9	SO312	.03070	8.3109	1.4	A
9004	53688.21	25 36S	65 54W	112.7	187.2	2.738	17.50	37.8	SO312	.03070	6.3880	0.6	V
9005	53692.61	25 36S	65 54W	114.7	187.2	2.530	18.20	37.8	SO312	.03070	6.1652	0.6	A
9006	53832.61	35 27S	69 33W	122.1	188.0	2.881	-21.70	27.9	SO312	.02200	5.8020	0.6	F
9007	53837.01	35 27S	69 34W	120.9	188.0	3.092	-21.70	27.9	SO312	.02200	5.9341	0.6	V
9008	53917.61	41 7S	71 24W	133.4	188.6	2.738	-27.65	22.4	SO312	.03070	5.2986	0.6	F
9009	53927.41	41 7S	71 24W	133.3	188.7	2.881	-26.95	22.4	SO312	.03070	5.2986	0.6	A
9010	53934.61	41 56S	71 32W	130.6	188.8	2.738	-25.20	21.6	SO312	.02200	5.4719	0.8	V
9011	53943.21	42 53S	71 8W	123.9	188.9	2.738	-12.95	20.9	SO312	.04070	5.7112	0.8	F
9012	53952.61	42 53S	71 18W	126.3	188.9	2.881	-15.75	20.9	SO312	.04070	5.5792	0.8	A
9013	53992.81	45 33S	72 4W	128.1	189.4	2.738	-14.70	18.3	SO312	.03070	5.4967	0.8	A
9014	54040.41	49 23S	72 47W	127.7	190.0	2.390	-5.60	14.8	SO312	.04070	5.5297	1.0	F
9015	54062.41	50 18S	72 14W	131.8	190.3	2.037	9.80	14.2	SO312	.04070	5.3069	1.0	A
1512 5001	58047.81	38 55N	76 59W	79.7	188.4	2.530	-22.40	67.3	SO312	.02210	9.0711	1.4	F
5002	58053.61	38 55N	77 0W	79.6	188.3	2.738	-22.05	67.3	SO312	.02210	9.1454	1.2	A
9001	58047.81	38 55N	76 60W	79.8	188.4	2.530	-22.40	67.3	SO312	.02200	9.0702	1.2	F
9002	58053.41	38 55N	76 60W	79.6	188.3	2.738	-22.05	67.3	SO312	.02200	9.1445	1.4	A
9003	58285.61	22 30N	79 56W	78.7	187.1	3.232	-1.75	72.7	SO312	.04070	9.2188	0.6	F
9004	58288.41	22 30N	79 56W	77.9	187.0	3.232	-1.40	72.7	SO312	.04070	9.4168	0.6	V
9005	58291.81	22 28N	79 55W	79.0	187.0	3.232	0.35	72.8	SO312	.03070	9.1610	0.6	A
1513 9001	64313.21	27 7S	109 25W	141.3	187.3	1.826	37.80	36.8	SO312	.02200	5.0923	1.4	V
1514 9001	68672.41	37 24N	121 50W	86.2	188.2	2.390	-31.50	68.8	SO312	.02200	8.3770	3.0	F
1518 9001	3280.61	52 41N	156 6E	81.9	190.8	2.037	23.45	57.2	SO312	.04070	8.9794	0.4	V
9002	3283.81	52 41N	156 6E	83.1	190.7	2.037	23.80	57.2	SO312	.04070	8.7236	0.4	A
9003	3325.81	49 27N	154 41E	79.5	190.1	2.390	17.85	59.9	SO312	.02200	9.1610	0.6	F
9004	3328.61	49 27N	154 41E	78.7	190.0	2.181	18.20	59.9	SO312	.02200	9.3591	0.6	V
9005	3349.81	48 7N	153 17E	74.2	189.8	2.390	-9.80	60.7	SO312	.03070	9.9038	0.6	V
9006	3352.61	48 6N	153 17E	75.0	189.7	2.390	-9.45	60.7	SO312	.03070	9.6892	0.4	A
9007	3367.41	47 0N	152 2E	87.0	189.5	2.037	-33.95	61.3	SO312	.04070	8.4347	0.4	V
9008	3370.61	47 0N	152 2E	87.7	189.5	2.037	-33.60	61.3	SO312	.04070	8.3027	0.4	A
1519 9001	8659.41	48 9N	132 28E	86.0	189.7	2.037	27.65	61.1	SO312	.03070	8.4100	0.6	A
9002	8670.61	47 22N	132 30E	92.7	189.6	1.826	34.30	61.8	SO312	.02200	7.8158	0.6	A
9003	8703.81	45 8N	131 22E	83.0	189.2	2.181	24.15	63.4	SO312	.02200	8.7318	0.4	A
9004	8714.01	44 27N	131 0E	80.5	189.1	2.390	19.95	63.9	SO312	.03070	8.9959	0.8	A
9005	8720.01	43 60N	131 29E	94.2	189.0	2.181	35.00	64.5	SO312	.02200	7.6837	0.6	A
9006	8732.61	42 44N	130 48E	85.9	188.9	2.390	26.95	65.3	SO312	.02200	8.4843	0.6	F
9007	8735.61	42 44N	130 48E	85.2	188.9	2.390	27.30	65.3	SO312	.02200	8.6163	0.6	V
9008	8741.81	42 10N	130 11E	78.1	188.8	2.738	14.00	65.5	SO312	.04070	9.3178	1.2	F
9009	8747.61	41 48N	129 51E	75.7	188.8	2.738	6.30	65.7	SO312	.04070	9.6067	0.8	F
9010	8753.01	41 49N	129 51E	75.9	188.7	2.738	7.00	65.7	SO312	.04070	9.5571	0.8	A
9011	8758.41	41 27N	129 39E	75.2	188.7	2.738	3.50	65.9	SO312	.02200	9.6397	0.6	A
9012	8763.61	40 45N	129 13E	74.9	188.6	2.738	-5.95	66.3	SO312	.04070	9.6892	1.6	F
9013	8767.21	40 41N	129 12E	74.0	188.6	2.738	-5.60	66.3	SO312	.04070	9.9203	0.6	V
9014	8775.01	40 2N	128 12E	86.3	188.5	2.390	-31.85	66.3	SO312	.03070	8.3770	0.8	F
9015	8780.81	40 3N	128 13E	85.3	188.5	2.530	-30.80	66.3	SO312	.04070	8.5173	1.2	A
9016	8793.21	38 46N	128 12E	80.2	188.4	2.530	-23.10	67.3	SO312	.04070	9.0124	0.8	F
9017	8796.01	38 46N	128 12E	79.1	188.3	2.530	-22.75	67.3	SO312	.04070	9.2683	0.8	V
9018	8800.41	38 41N	128 0E	82.9	188.3	2.738	-28.00	67.3	SO312	.02200	8.7814	1.0	A
9019	8805.81	38 23N	127 32E	92.6	188.3	2.530	-38.15	67.2	SO312	.02200	7.8488	0.8	A
9020	8830.21	36 27N	127 24E	84.4	188.1	2.530	-30.45	68.5	SO312	.02200	8.6823	0.8	V
9021	8833.21	36 27N	127 24E	85.3	188.1	2.738	-30.45	68.5	SO312	.02200	8.5338	0.8	A
9022	8845.41	35 27N	128 31E	79.8	188.0	2.738	16.10	69.9	SO312	.03070	9.0620	0.8	A
9023	9435.01	5 7S	119 28E	104.7	186.5	3.439	-31.85	55.5	SO312	.02200	6.9492	0.6	V
9024	9439.01	5 7S	119 28E	105.5	186.5	3.439	-31.15	55.6	SO312	.02200	6.8337	0.6	A
1520 9001	14201.01	31 53N	105 7E	75.8	187.7	3.092	-1.75	71.3	SO312	.02200	9.5737	0.6	F
9002	14206.41	31 53N	105 8E	75.9	187.7	3.092	-0.70	71.3	SO312	.02200	9.5406	0.6	A
9003	14238.41	29 35N	103 45E	87.4	187.5	2.738	-32.55	71.3	SO312	.02200	8.3852	0.6	V
9004	14241.61	29 35N	103 44E	88.2	187.5	2.738	-32.20	71.3	SO312	.02200	8.2449	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1520 9005	14275.41	26 40N	104 42E	85.2	187.3	2.881	23.80	73.2	SO312	.03070	8.5585	0.4	F
9006	14282.81	26 14N	104 9E	77.2	187.3	3.092	6.65	72.9	SO312	.03070	9.4168	0.6	F
9007	14291.61	25 39N	103 44E	76.5	187.2	3.232	-5.60	72.7	SO312	.03070	9.4746	0.4	F
9008	14294.41	25 39N	103 43E	75.7	187.2	3.232	-5.25	72.7	SO312	.03070	9.6892	0.4	V
9009	14302.61	24 57N	102 48E	89.8	187.2	2.738	-33.60	72.0	SO312	.02200	8.0386	0.6	F
9010	14305.81	24 57N	102 48E	88.5	187.2	2.738	-33.25	72.0	SO312	.03070	8.2862	0.6	V
9011	14310.41	24 37N	102 51E	85.7	187.2	2.738	-29.75	72.1	SO312	.03070	8.5503	0.8	V
9012	14313.41	24 38N	102 51E	86.3	187.1	3.092	-29.40	72.1	SO312	.03070	8.4182	1.0	A
9013	14321.01	23 53N	102 43E	85.7	187.1	2.881	-29.40	72.1	SO312	.03070	8.5420	0.6	V
9014	14324.81	23 25N	102 45E	84.1	187.1	3.092	-25.90	72.2	SO312	.03070	8.5915	0.6	F
9015	14330.81	23 25N	102 46E	83.5	187.1	3.232	-24.85	72.2	SO312	.03070	8.6823	0.6	A
9016	14337.01	23 2N	102 28E	89.9	187.1	3.092	-31.85	72.0	SO312	.02200	8.0799	0.6	A
1521 9001	19127.21	57 53N	93 8E	101.5	192.4	1.484	40.95	52.7	SO312	.02200	7.2628	0.4	V
9002	19131.01	57 53N	93 9E	103.3	192.3	1.484	41.30	52.7	SO312	.02200	7.0317	0.4	A
9003	19161.61	55 39N	89 50E	74.7	191.6	2.037	-4.55	54.4	SO312	.04070	9.7140	0.4	F
9004	19162.61	55 34N	89 49E	74.7	191.6	2.037	-4.55	54.4	SO312	.04070	9.7222	0.6	F
9005	19166.01	55 21N	89 44E	74.6	191.5	2.037	-4.20	54.6	SO312	.04070	9.7305	0.4	F
9006	19167.01	55 16N	89 42E	74.6	191.5	2.037	-4.20	54.7	SO312	.04070	9.7387	0.8	F
9007	19169.01	55 8N	89 39E	74.5	191.5	2.037	-4.20	54.8	SO312	.04070	9.7387	0.6	F
9008	19171.61	55 8N	89 39E	73.7	191.4	2.037	-3.85	54.8	SO312	.04070	9.9780	0.8	V
9009	19176.61	54 58N	89 42E	74.6	191.3	2.037	-0.35	55.0	SO312	.04070	9.7470	0.6	A
9010	19330.01	44 20N	86 5E	73.6	189.1	2.530	-1.05	63.7	SO312	.03070	9.9946	1.0	V
9011	19342.81	43 32N	87 11E	95.3	189.0	1.826	37.10	64.8	SO312	.02200	7.6012	0.8	A
9012	19782.21	13 10N	80 6E	93.7	186.7	2.738	26.60	70.2	SO312	.02200	7.7993	1.0	V
9013	19785.61	13 10N	80 6E	95.3	186.7	2.738	26.95	70.2	SO312	.02200	7.5269	1.0	A
9014	19848.21	8 46N	78 9E	86.4	186.6	3.439	-17.85	66.6	SO312	.03070	8.4595	0.6	V
9015	19851.41	8 46N	78 9E	87.4	186.6	3.439	-17.50	66.6	SO312	.03070	8.2614	0.6	A
1522 5001	24610.81	46 2N	63 35E	82.7	189.4	2.181	-27.65	62.1	SO312	.03080	8.7409	1.0	F
5002	24613.81	46 1N	63 35E	81.5	189.4	2.181	-27.30	62.1	SO312	.03080	8.9968	0.8	V
9001	24526.81	51 43N	65 59E	75.3	190.6	2.181	-10.85	57.7	SO312	.03070	9.6232	0.4	F
9002	24528.81	51 35N	65 56E	75.3	190.5	2.181	-10.85	57.8	SO312	.03070	9.6232	0.4	F
9003	24534.41	51 9N	66 16E	74.8	190.4	2.390	2.80	58.3	SO312	.03070	9.7222	1.0	F
9004	24539.81	51 8N	66 17E	74.9	190.3	2.390	3.85	58.3	SO312	.03070	9.6892	0.8	A
9005	24543.61	50 53N	66 9E	74.7	190.3	2.390	2.80	58.5	SO312	.03070	9.7140	0.4	A
9006	24610.81	46 1N	63 35E	82.7	189.4	2.181	-27.65	62.1	SO312	.03070	8.7401	0.6	F
9007	24613.81	46 1N	63 35E	81.5	189.4	2.181	-27.30	62.1	SO312	.03070	8.9959	0.6	V
9008	24618.21	45 44N	63 21E	84.2	189.3	2.181	-30.80	62.3	SO312	.02200	8.7153	0.8	V
9009	24621.21	45 44N	63 22E	84.9	189.3	2.181	-30.45	62.3	SO312	.02200	8.5668	0.8	A
9010	24732.41	37 39N	61 54E	76.4	188.2	2.738	-12.95	68.1	SO312	.02200	9.4911	0.8	F
9011	24737.81	37 39N	61 54E	76.2	188.2	2.881	-12.25	68.1	SO312	.02200	9.5241	1.0	A
1523 9001	29700.41	60 25N	49 47E	91.6	193.4	1.690	32.55	50.3	SO312	.02200	7.9561	0.6	F
9002	29703.61	60 26N	49 47E	90.6	193.3	1.484	32.90	50.3	SO312	.02200	8.0964	0.6	V
9003	29767.60	56 16N	43 55E	101.9	191.8	1.135	-43.40	53.4	SO312	.03070	7.0730	1.0	F
9004	29771.20	56 17N	43 54E	100.9	191.7	1.338	-43.75	53.4	SO312	.03070	7.2711	1.0	V
9005	29795.61	54 14N	45 10E	74.6	191.2	2.181	-1.40	55.6	SO312	.04070	9.7305	0.6	F
9006	29798.20	54 14N	45 10E	73.7	191.2	2.181	-1.05	55.6	SO312	.04070	9.9698	0.6	V
9007	29809.81	53 13N	45 11E	76.2	190.9	2.181	9.80	56.6	SO312	.03070	9.5489	1.0	F
9008	29815.41	53 12N	45 11E	76.3	190.9	2.181	10.50	56.6	SO312	.03070	9.5076	0.8	A
9009	29823.20	52 10N	45 39E	88.5	190.7	2.181	30.10	57.7	SO312	.03070	8.2449	0.6	F
9010	29827.00	51 54N	45 37E	89.9	190.7	2.181	31.50	57.9	SO312	.03070	8.1211	0.4	F
9011	29828.41	51 48N	45 35E	89.9	190.6	2.181	31.50	58.0	SO312	.03070	8.1211	0.6	F
9012	29829.80	51 43N	45 33E	89.9	190.6	2.181	31.50	58.1	SO312	.03070	8.1211	0.6	F
9013	29833.00	51 43N	45 33E	89.2	190.6	2.181	31.85	58.1	SO312	.03070	8.2532	0.6	V
9014	29834.41	51 37N	45 31E	89.2	190.5	2.181	31.85	58.2	SO312	.03070	8.2532	1.2	V
9015	29838.20	51 35N	45 25E	88.8	190.5	1.826	30.80	58.2	SO312	.03070	8.1706	2.2	A
9016	29875.80	48 47N	44 35E	92.0	189.9	2.037	34.30	60.6	SO312	.03070	7.9891	0.6	V
9017	29879.20	48 47N	44 36E	93.7	189.9	1.826	35.00	60.6	SO312	.03070	7.7332	0.6	A
9018	29898.40	47 39N	42 23E	76.4	189.6	2.530	-15.40	61.0	SO312	.03070	9.5159	1.0	A
9019	29917.80	45 52N	42 36E	75.6	189.4	2.530	7.35	62.6	SO312	.03070	9.6067	0.6	F
9020	29920.41	45 52N	42 36E	74.9	189.4	2.530	7.70	62.6	SO312	.03070	9.8130	0.8	V
9021	29929.81	45 20N	41 31E	77.8	189.3	2.390	-21.00	62.7	SO312	.03070	9.4334	0.6	V
9022	29935.21	44 59N	41 7E	82.9	189.2	2.181	-29.40	62.8	SO312	.03070	8.8639	0.8	V
9023	29938.20	44 60N	41 7E	83.5	189.2	2.390	-29.05	62.9	SO312	.03070	8.7071	0.8	A
9024	29958.20	43 14N	40 18E	92.4	189.0	2.037	-37.80	64.0	SO312	.03070	7.8075	0.8	F
9025	29964.80	43 14N	40 17E	91.9	188.9	2.181	-37.45	64.0	SO312	.03070	7.9396	0.8	A
9026	30298.00	19 38N	37 11E	94.5	186.9	2.738	29.40	73.0	SO312	.02200	7.7002	0.6	F
9027	30301.40	19 38N	37 11E	94.1	186.9	2.530	30.10	73.0	SO312	.02200	7.7910	0.6	V
9028	30963.40	25 47S	27 57E	107.8	187.2	3.232	-6.30	37.4	SO312	.03070	6.6191	0.6	F
9029	30967.20	25 47S	27 57E	106.8	187.2	3.232	-5.95	37.4	SO312	.03070	6.7429	0.8	V
9030	30973.60	26 12S	27 45E	108.2	187.3	3.232	-9.10	37.0	SO312	.03070	6.6521	0.8	V
9031	30977.80	26 12S	27 44E	109.8	187.3	3.232	-8.75	37.0	SO312	.03070	6.4705	0.6	A
1524 5001	35187.20	48 43N	21 15E	75.0	189.8	2.390	3.85	60.3	SO312	.03080	9.6984	0.6	A
9001	34693.00	80 38N	58 4E	79.0	223.4	0.438	-6.65	29.8	SO312	.05390	9.2765	0.6	V
9002	34696.00	80 38N	58 2E	79.8	222.6	0.438	-6.65	29.8	SO312	.05390	9.0785	0.6	A
9003	34868.80	69 45N	33 7E	76.5	199.2	1.338	2.45	41.3	SO312	.04070	9.4746	0.4	F
9004	34871.40	69 45N	33 7E	75.6	199.1	1.338	2.45	41.3	SO312	.04070	9.7057	0.4	V
9005	34875.40	69 19N	32 39E	76.6	198.8	1.338	2.10	41.7	SO312	.04070	9.4581	0.6	F
9006	34878.00	69 19N	32 39E	75.7	198.7	1.338	2.10	41.7	SO312	.04070	9.6892	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1524	9007	34881.20	69 7N	32 27E	75.6	198.5	1.338	2.45	41.9	SO312	.04070	9.7057	0.4	V
	9008	34884.00	69 7N	32 28E	76.5	198.3	1.338	2.80	41.9	SO312	.04070	9.4829	0.4	A
	9009	34891.60	68 15N	33 18E	85.9	197.9	1.338	25.95	42.8	SO312	.04070	8.5503	0.4	V
	9010	34895.40	68 12N	33 20E	87.9	197.7	1.135	28.35	42.9	SO312	.04070	8.2532	0.4	A
	9011	34907.40	67 13N	32 13E	84.9	197.1	1.338	25.90	43.8	SO312	.04070	8.6493	1.0	V
	9012	34910.60	67 13N	32 14E	86.1	197.0	1.338	26.25	43.8	SO312	.04070	8.4182	1.0	A
	9013	35004.40	60 39N	28 34E	104.5	193.5	1.338	42.70	50.1	SO312	.03070	7.0317	0.4	V
	9014	35008.20	60 39N	28 36E	106.7	193.4	1.135	43.40	50.1	SO312	.03070	6.8086	0.4	A
	9015	35027.20	59 29N	24 44E	76.7	192.8	1.826	-16.45	50.8	SO312	.04070	9.5737	0.6	V
	9016	35030.00	59 29N	24 45E	77.4	192.8	1.826	-16.10	50.8	SO312	.04070	9.3756	0.6	A
	9017	35036.60	58 57N	23 30E	89.2	192.6	1.484	-35.00	51.2	SO312	.03070	8.2367	0.8	V
	9018	35039.80	58 57N	23 31E	89.7	192.5	1.690	-34.65	51.2	SO312	.03070	8.1046	1.0	A
	9019	35061.80	57 6N	24 6E	74.1	192.0	2.037	-5.60	53.0	SO312	.04070	9.9120	0.6	V
	9020	35064.60	57 5N	24 6E	74.9	192.0	2.037	-5.25	53.1	SO312	.04070	9.6974	0.6	A
	9021	35067.20	56 55N	24 2E	74.9	191.9	2.037	-4.90	53.2	SO312	.04070	9.6974	0.6	A
	9022	35071.20	56 37N	24 5E	74.8	191.8	2.037	-0.35	53.5	SO312	.04070	9.7057	0.6	A
	9023	35078.00	55 48N	23 38E	74.7	191.7	2.037	-3.50	54.2	SO312	.04070	9.7140	0.8	F
	9024	35083.40	55 48N	23 37E	74.6	191.6	2.037	-3.15	54.2	SO312	.04070	9.7222	0.8	A
	9025	35091.20	55 12N	22 21E	82.1	191.4	1.826	-27.65	54.5	SO312	.03070	8.9547	0.6	V
	9026	35096.20	54 41N	21 49E	89.1	191.3	1.826	-34.65	54.9	SO312	.03070	8.1294	1.4	F
	9027	35103.40	54 37N	21 48E	88.4	191.2	1.826	-33.95	55.0	SO312	.03070	8.2119	0.4	A
	9028	35108.00	54 4N	21 47E	84.4	191.1	1.826	-30.80	55.5	SO312	.03070	8.6741	0.8	V
	9029	35111.20	54 4N	21 47E	85.1	191.0	1.826	-30.45	55.5	SO312	.03070	8.5338	0.6	A
	9030	35128.40	52 29N	21 4E	88.4	190.7	1.690	-33.95	56.8	SO312	.03070	8.1706	0.8	F
	9031	35131.60	52 29N	21 4E	87.1	190.7	1.690	-33.60	56.8	SO312	.03070	8.4265	0.8	V
	9032	35143.60	51 15N	22 36E	78.7	190.5	2.181	16.45	58.3	SO312	.03070	9.2353	0.6	F
	9033	35146.20	51 16N	22 36E	77.9	190.4	2.181	16.80	58.3	SO312	.03070	9.4168	0.8	V
	9034	35149.20	51 16N	22 36E	79.0	190.4	2.181	17.15	58.3	SO312	.03070	9.1610	0.6	A
	9035	35170.00	49 30N	23 16E	105.3	190.1	1.690	43.40	60.1	SO312	.02200	6.9822	0.6	V
	9036	35174.00	49 29N	23 17E	107.5	190.0	1.484	44.10	60.1	SO312	.02200	6.7429	0.4	A
	9037	35186.40	48 46N	21 16E	74.9	189.9	2.390	3.85	60.3	SO312	.03070	9.6974	1.0	A
	9038	35196.60	47 52N	21 11E	75.3	189.7	2.390	9.80	61.0	SO312	.03070	9.7552	0.6	V
	9039	35199.40	47 52N	21 11E	76.3	189.7	2.390	10.15	61.1	SO312	.03070	9.4994	0.6	A
	9040	35208.40	47 11N	19 53E	79.2	189.6	2.181	-23.80	61.2	SO312	.03070	9.2765	0.4	V
	9041	35211.40	47 11N	19 51E	79.9	189.5	2.390	-23.45	61.2	SO312	.03070	9.1032	0.4	A
	9042	35217.00	46 38N	19 18E	86.1	189.5	2.181	-33.25	61.5	SO312	.03070	8.5255	0.6	V
	9043	35220.20	46 38N	19 18E	86.8	189.4	2.181	-32.90	61.5	SO312	.03070	8.3852	0.4	A
	9044	35225.60	45 59N	19 39E	77.1	189.4	2.390	-19.60	62.2	SO312	.03070	9.5159	0.4	V
	9045	35228.40	45 60N	19 39E	77.9	189.3	2.390	-19.25	62.2	SO312	.03070	9.3343	0.6	A
	9046	35237.40	44 53N	20 24E	77.7	189.2	2.530	13.65	63.5	SO312	.03070	9.3508	0.8	F
	9047	35240.20	44 52N	20 24E	77.0	189.2	2.530	14.00	63.5	SO312	.03070	9.5324	0.8	V
	9048	35246.40	44 18N	19 53E	74.8	189.1	2.530	2.80	63.8	SO312	.03070	9.7057	0.6	F
	9049	35249.20	44 18N	19 53E	74.0	189.1	2.530	3.15	63.8	SO312	.03070	9.9203	0.4	V
	9050	35255.00	43 52N	20 2E	76.1	189.0	2.530	11.90	64.2	SO312	.03070	9.6479	0.4	V
	9051	35257.80	43 52N	20 2E	77.1	189.0	2.530	12.25	64.2	SO312	.03070	9.3838	0.4	A
	9052	35269.20	42 48N	18 56E	76.1	188.9	2.530	-14.70	64.7	SO312	.03070	9.5159	0.4	F
	9053	35271.80	42 48N	18 56E	75.1	188.9	2.530	-14.35	64.7	SO312	.03070	9.7635	0.4	V
	9054	35277.00	42 28N	18 42E	77.0	188.8	2.530	-18.90	64.8	SO312	.04070	9.5159	0.6	V
	9055	35280.00	42 27N	18 42E	77.8	188.8	2.530	-18.55	64.9	SO312	.04070	9.3261	0.6	A
	9056	35291.60	41 18N	19 52E	86.0	188.7	2.390	28.00	66.3	SO312	.03070	8.5420	0.4	V
	9057	35294.80	41 18N	19 53E	87.5	188.7	2.181	28.70	66.3	SO312	.03070	8.2697	0.4	A
	9058	35302.60	40 22N	19 26E	82.8	188.6	2.530	22.40	66.9	SO312	.04070	8.7979	1.2	F
	9059	35308.60	40 22N	19 26E	83.5	188.5	2.390	23.45	66.9	SO312	.04070	8.6576	1.0	A
	9060	35438.80	31 7N	16 33E	76.4	187.6	3.092	-0.70	71.5	SO312	.03070	9.4994	0.6	F
	9061	35444.40	31 6N	16 33E	76.6	187.6	3.092	0.35	71.6	SO312	.03070	9.4499	0.4	A
	9062	35833.80	3 55N	11 32E	87.6	186.5	3.439	3.50	63.6	SO312	.03070	8.2532	0.8	F
	9063	35840.00	3 55N	11 32E	88.1	186.5	3.439	4.55	63.6	SO312	.03070	8.1376	1.0	A
1525	9001	40477.00	49 40N	1 38W	81.3	190.1	2.037	-26.95	59.2	SO312	.04070	9.0290	0.4	V
	9002	40480.00	49 40N	1 38W	82.0	190.0	2.037	-26.60	59.2	SO312	.04070	8.8639	0.4	A
	9003	40548.40	44 34N	1 7W	89.6	189.2	2.037	32.20	63.9	SO312	.03070	8.1954	0.6	V
	9004	40551.80	44 33N	1 7W	91.1	189.1	2.037	32.55	63.9	SO312	.03070	7.9313	0.4	A
1526	9001	46590.20	5 54S	35 9W	98.2	186.6	3.439	-23.80	55.1	SO312	.03070	7.4031	0.6	V
	9002	46593.80	5 54S	35 10W	99.4	186.6	3.439	-23.45	55.1	SO312	.03070	7.2381	0.6	A
1527	9001	52126.20	21 60S	60 36W	118.8	187.0	3.232	-31.15	40.5	SO312	.03070	5.9919	0.6	F
	9002	52130.60	22 0S	60 36W	117.3	187.0	3.232	-30.80	40.5	SO312	.03070	6.1487	1.0	V
	9003	52137.80	22 18S	60 1W	106.9	187.1	3.439	-13.30	40.6	SO312	.03070	6.6603	1.6	A
	9004	52147.40	23 2S	59 15W	110.8	187.1	2.881	14.35	40.3	SO312	.03070	6.3962	0.6	A
	9005	52279.80	32 21S	63 15W	137.3	187.7	2.738	-36.75	30.7	SO312	.03070	5.1666	1.0	F
	9006	52285.60	32 25S	63 11W	133.1	187.7	2.881	-35.00	30.7	SO312	.03070	5.3894	0.8	V
	9007	52290.60	32 25S	63 11W	134.3	187.8	3.092	-34.65	30.7	SO312	.03070	5.2986	0.8	A
	9008	52301.20	33 37S	62 15W	113.5	187.8	3.092	-8.40	30.0	SO312	.03070	6.3302	0.8	V
	9009	52306.20	33 41S	62 6W	114.7	187.9	3.092	-8.85	30.0	SO312	.03070	6.1734	1.0	A
	9010	52310.40	33 59S	62 2W	115.0	187.9	2.881	-0.35	29.8	SO312	.03070	6.1487	1.4	A
	9011	52321.40	34 44S	61 55W	117.3	187.9	2.738	7.00	29.2	SO312	.03070	6.0166	1.4	A
	9012	52372.40	38 51S	62 6W	130.5	188.3	2.181	22.40	25.5	SO312	.04070	5.4554	1.0	F
	9013	52382.00	38 51S	62 6W	132.0	188.4	2.037	23.10	25.6	SO312	.04070	5.3234	1.0	A
	9014	52512.00	47 42S	65 54W	124.7	189.7	2.390	-4.90	16.6	SO312	.05390	5.7278	1.0	V
	9015	52607.00	53 41S	67 44W	131.3	191.1	2.037	0.00	10.9	SO312	.05390	5.3399	1.6	A
1528	9001	56953.80	10 25N	75 33W	85.7	186.6	3.232	10.15	68.2	SO312	.03070	8.4678	0.4	F
	9002	56956.80	10 26N	75 33W	85.0	186.6	3.232	10.50	68.2	SO312	.03070	8.6081	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1528	9003	56957.80	10 21N	75 34W	85.0	186.6	3.232	10.50	68.2	SO312	.03070	8.6081	0.8	V
	9004	56973.40	9 17N	75 49W	84.7	186.6	3.232	8.05	67.5	SO312	.03070	8.6411	0.6	V
	9005	56979.40	8 52N	75 49W	86.0	186.6	3.232	11.20	67.3	SO312	.03070	8.5008	1.2	V
	9006	56988.40	8 27N	75 34W	94.5	186.6	2.738	23.45	67.2	SO312	.02200	7.5929	1.4	A
	9007	57029.00	5 43N	76 39W	86.2	186.5	3.439	0.70	64.9	SO312	.03070	8.3440	0.6	A
	9008	57049.40	3 55N	77 21W	88.7	186.5	3.587	-15.75	63.2	SO312	.03070	8.1211	0.6	F
	9009	57112.00	0 7S	78 29W	97.3	186.5	3.439	-30.10	59.8	SO312	.03070	7.4939	0.8	V
	9010	57115.60	0 7S	78 29W	98.0	186.5	3.439	-29.40	59.8	SO312	.02200	7.3618	0.8	A
1529	5001	61860.80	37 40N	92 39W	75.2	188.2	2.881	-8.40	68.1	SO312	.02210	9.6406	0.6	F
	5002	61866.20	37 40N	92 39W	75.2	188.2	2.881	-7.35	68.1	SO312	.02210	9.6489	0.6	A
	9001	61860.80	37 40N	92 39W	75.2	188.2	2.881	-8.40	68.1	SO312	.02200	9.6397	0.6	F
	9002	61866.00	37 41N	92 39W	75.2	188.2	2.881	-7.35	68.1	SO312	.02200	9.6479	0.8	A
1530	5001	67231.60	32 52N	115 34W	76.1	187.8	3.092	1.75	70.8	SO312	.02210	9.5333	0.8	F
	5002	67237.20	32 51N	115 34W	76.5	187.7	2.881	3.15	70.9	SO312	.02210	9.4838	0.6	A
	9001	67231.60	32 52N	115 34W	76.2	187.8	3.092	1.75	70.8	SO312	.02200	9.5324	0.6	F
	9002	67237.00	32 52N	115 34W	76.4	187.7	2.881	3.15	70.9	SO312	.02200	9.4829	0.8	A
1534	9001	1712.40	57 19N	161 53E	88.1	192.1	1.484	-32.90	52.5	SO312	.02200	8.2037	0.6	F
	9002	1715.60	57 18N	161 53E	86.6	192.0	1.484	-32.55	52.5	SO312	.02200	8.4595	0.4	V
	9003	1719.20	56 51N	161 44E	87.2	192.0	1.484	-32.20	52.9	SO312	.02200	8.2779	0.4	F
	9004	1722.20	56 51N	161 43E	86.2	191.9	1.484	-32.20	52.9	SO312	.02200	8.5090	0.6	V
	9005	1725.40	56 51N	161 43E	87.0	191.8	1.690	-32.20	52.9	SO312	.02200	8.3687	0.4	A
1535	9001	7127.40	50 24N	137 20E	84.7	190.2	2.037	-31.50	58.4	SO312	.02200	8.6741	0.4	V
	9002	7130.60	50 24N	137 20E	85.4	190.2	2.037	-31.15	58.4	SO312	.02200	8.5255	0.4	A
	9003	7205.60	44 47N	136 27E	75.1	189.2	2.530	-10.50	63.1	SO312	.03070	9.6644	0.4	F
	9004	7208.20	44 48N	136 27E	74.1	189.2	2.530	-10.15	63.1	SO312	.03070	9.9120	0.4	V
	9005	7213.60	44 28N	135 56E	78.7	189.1	2.390	-23.10	63.2	SO312	.02200	9.3343	0.4	V
	9006	7216.40	44 29N	135 56E	79.4	189.1	2.390	-22.75	63.2	SO312	.02200	9.1610	0.4	A
	9007	7222.00	43 55N	135 31E	83.5	189.0	2.181	-30.10	63.5	SO312	.03070	8.8144	0.6	V
	9008	7225.20	43 55N	135 31E	84.0	189.0	2.390	-29.75	63.5	SO312	.03070	8.6658	0.4	A
	9009	7907.00	3 41S	128 9E	120.2	186.5	2.390	37.45	58.2	SO312	.02200	6.0249	0.6	F
	9010	7911.20	3 41S	128 9E	120.0	186.5	2.181	38.15	58.2	SO312	.02200	6.0661	0.6	V
1536	9001	12407.00	52 17N	117 45E	78.5	190.7	2.181	18.20	57.3	SO312	.03070	9.3756	0.4	V
	9002	12410.00	52 16N	117 44E	79.4	190.6	2.181	18.20	57.3	SO312	.03070	9.1362	0.4	A
	9003	12422.80	51 10N	115 53E	78.9	190.4	2.037	-21.70	57.9	SO312	.03070	9.1858	0.4	F
	9004	12425.60	50 59N	115 50E	78.6	190.4	2.037	-21.35	58.1	SO312	.03070	9.2188	1.2	F
	9005	12427.40	50 52N	115 48E	78.7	190.4	2.037	-21.35	58.2	SO312	.03070	9.2023	0.6	F
	9006	12430.20	50 51N	115 48E	77.6	190.3	2.037	-21.00	58.2	SO312	.03070	9.4664	0.6	V
	9007	12438.00	50 25N	116 31E	74.5	190.2	2.390	3.50	58.8	SO312	.03070	9.7470	1.0	A
	9008	12473.60	48 7N	114 42E	81.5	189.7	2.181	-26.60	60.3	SO312	.03070	8.9217	0.6	A
	9009	12577.00	41 3N	112 39E	83.7	188.6	2.390	-30.45	65.5	SO312	.03070	8.7071	0.4	A
	9010	12604.80	38 41N	112 36E	76.2	188.4	2.738	-14.70	67.3	SO312	.03070	9.5159	0.4	F
	9011	12607.40	38 42N	112 36E	75.2	188.3	2.738	-14.35	67.3	SO312	.03070	9.7717	0.4	V
	9012	12609.80	38 32N	112 33E	75.3	188.3	2.738	-14.70	67.4	SO312	.03070	9.7552	0.4	V
	9013	12612.60	38 32N	112 33E	76.1	188.3	2.738	-14.35	67.4	SO312	.03070	9.5489	0.4	A
	9014	12624.00	37 38N	113 42E	90.0	188.2	2.181	31.50	68.8	SO312	.02200	8.0303	1.0	A
	9015	12675.00	33 47N	112 10E	77.6	187.9	2.881	11.55	70.5	SO312	.03070	9.3921	0.4	F
	9016	12680.60	33 47N	112 10E	78.0	187.8	2.881	12.60	70.6	SO312	.03070	9.2848	0.4	A
	9017	12717.20	31 1N	112 4E	88.7	187.6	2.530	29.05	72.1	SO312	.02200	8.2862	0.6	V
	9018	12720.40	31 1N	112 5E	90.2	187.6	2.530	29.40	72.1	SO312	.02200	8.0138	0.6	A
	9019	12785.60	26 15N	109 54E	78.5	187.3	3.092	-14.00	72.4	SO312	.03070	9.2353	0.4	F
	9020	12791.20	26 15N	109 54E	78.3	187.3	3.232	-12.95	72.4	SO312	.03070	9.2600	0.4	A
	9021	12816.40	24 20N	109 28E	78.9	187.1	3.232	-15.75	72.5	SO312	.04070	9.2848	0.4	V
	9022	12819.20	24 20N	109 28E	79.8	187.1	3.232	-15.40	72.5	SO312	.04070	9.0867	0.4	A
	9023	12896.60	18 44N	108 59E	79.8	186.9	3.232	7.70	72.2	SO312	.03070	9.1940	0.4	V
	9024	12900.40	18 42N	108 52E	80.3	186.9	3.232	3.85	72.1	SO312	.03070	9.0042	0.6	A
	9025	13015.80	10 23N	107 4E	83.7	186.6	3.439	-8.40	67.9	SO312	.04070	8.6411	0.6	F
	9026	13021.80	10 23N	107 5E	83.9	186.6	3.587	-7.35	67.9	SO312	.04070	8.6081	0.6	A
1537	9001	17593.40	60 49N	97 26E	82.6	193.4	1.484	-26.95	49.4	SO312	.04070	8.8969	0.4	V
	9002	17596.40	60 49N	97 27E	83.3	193.3	1.484	-26.60	49.4	SO312	.03070	8.7484	0.4	A
	9003	17659.40	56 22N	95 16E	84.2	191.7	1.690	-30.10	53.4	SO312	.03070	8.7236	0.4	V
	9004	17662.40	56 22N	95 17E	84.8	191.7	1.690	-29.75	53.4	SO312	.03070	8.5833	0.6	A
	9005	18075.20	27 30N	88 54E	81.7	187.4	2.881	19.60	72.9	SO312	.03070	8.9299	0.6	F
	9006	18164.00	21 29N	87 2E	79.1	187.0	3.232	-7.00	72.4	SO312	.03070	9.1693	1.0	F
	9007	18169.60	21 29N	87 1E	79.2	187.0	3.232	-6.30	72.5	SO312	.03070	9.1445	1.0	A
1538	9001	22775.80	69 14N	81 28E	80.4	198.5	0.995	-20.30	41.6	SO312	.03070	9.1280	0.4	V
	9002	22778.60	69 14N	81 30E	81.1	198.3	0.995	-19.95	41.6	SO312	.03070	8.9547	0.4	A
	9003	22984.20	54 60N	73 29E	75.6	191.4	2.037	-10.85	54.7	SO312	.04070	9.5902	0.8	F
	9004	22987.00	54 59N	73 29E	74.6	191.4	2.037	-10.50	54.7	SO312	.04070	9.8460	0.8	V
	9005	22994.20	54 37N	74 1E	75.9	191.2	2.181	8.05	55.2	SO312	.03070	9.5654	0.4	A
	9006	23064.00	49 49N	72 50E	83.2	190.1	2.037	24.50	59.4	SO312	.03070	8.6988	0.6	A
	9007	23109.40	46 15N	71 59E	90.1	189.5	2.181	31.85	62.5	SO312	.02200	8.1129	0.6	F
	9008	23112.60	46 15N	71 59E	89.4	189.4	2.181	32.20	62.5	SO312	.02200	8.2367	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1538 9009	23116.00	46 15N	71 59E	90.9	189.4	2.181	32.55	62.5	SO312	.02200	7.9726	0.4	A
9010	23152.20	43 47N	69 10E	82.4	189.0	2.390	-29.05	63.6	SO312	.03070	8.9052	0.4	V
9011	23168.40	42 28N	68 48E	84.3	188.8	2.181	-29.75	64.5	SO312	.03070	8.5585	0.4	F
9012	23171.40	42 28N	68 48E	83.2	188.8	2.390	-29.75	64.5	SO312	.03070	8.8226	0.4	V
9013	23185.20	41 8N	70 6E	81.7	188.7	2.530	22.40	66.2	SO312	.02200	8.9052	0.6	F
9014	23188.00	41 9N	70 6E	81.0	188.7	2.530	22.75	66.2	SO312	.02200	9.0620	0.6	V
9015	23191.20	41 8N	70 6E	82.2	188.6	2.530	23.10	66.2	SO312	.02200	8.7896	0.4	A
9016	23192.80	41 1N	70 4E	83.2	188.6	2.530	23.10	66.3	SO312	.03070	8.6823	0.6	A
9017	23224.60	38 33N	68 41E	74.7	188.3	2.881	-2.45	67.6	SO312	.02200	9.7305	0.8	F
9018	23230.00	38 32N	68 41E	74.8	188.3	2.881	-1.40	67.6	SO312	.02200	9.7057	0.8	A
9019	23241.60	37 39N	67 31E	85.9	188.2	2.530	-32.55	67.6	SO312	.02200	8.5585	0.8	V
9020	23244.80	37 39N	67 31E	86.6	188.2	2.530	-32.20	67.6	SO312	.02200	8.4182	0.8	A
9021	23258.00	36 27N	67 55E	75.0	188.1	2.881	-11.20	68.7	SO312	.02200	9.7965	0.4	V
9022	23260.80	36 27N	67 55E	75.8	188.1	2.881	-10.85	68.7	SO312	.02200	9.5819	0.4	A
9023	23281.40	34 49N	67 50E	73.4	187.9	2.881	-0.70	69.8	SO312	.03070	10.0111	0.4	V
9024	23284.00	34 50N	67 50E	74.3	187.9	2.881	-0.35	69.8	SO312	.03070	9.7635	0.4	A
1539 5001	28509.60	40 36N	46 20E	81.6	188.5	2.530	-26.25	65.9	SO312	.01660	8.9225	0.6	A
9001	28139.40	65 15N	57 19E	75.9	195.8	1.484	-0.70	45.5	SO312	.04070	9.5571	0.8	F
9002	28144.80	65 15N	57 18E	75.9	195.6	1.484	-0.35	45.5	SO312	.04070	9.5654	1.0	A
9003	28239.60	58 50N	52 14E	82.4	192.6	1.484	-27.30	51.2	SO312	.03070	8.8969	0.6	V
9004	28242.60	58 50N	52 14E	83.2	192.5	1.690	-27.30	51.2	SO312	.03070	8.7401	0.6	A
9005	28263.00	56 51N	53 16E	78.8	192.0	2.037	16.10	53.2	SO312	.03070	9.2270	0.4	F
9006	28268.60	56 51N	53 16E	79.2	191.9	1.826	17.15	53.3	SO312	.03070	9.1693	0.4	A
9007	28274.40	56 31N	52 31E	74.9	191.8	2.037	2.45	53.5	SO312	.04070	9.6892	0.4	A
9008	28317.20	53 20N	50 19E	79.1	191.0	2.037	-21.35	56.0	SO312	.03070	9.1527	0.8	F
9009	28320.00	53 20N	50 19E	78.0	190.9	2.037	-21.00	56.0	SO312	.03070	9.4168	0.8	V
9010	28323.20	53 19N	50 18E	78.7	190.8	2.037	-20.65	56.1	SO312	.03070	9.2435	0.4	A
9011	28330.19	52 55N	49 33E	88.3	190.7	1.826	-33.95	56.3	SO312	.03070	8.2614	0.6	A
9012	28389.80	48 22N	48 56E	76.0	189.8	2.390	-13.65	60.3	SO312	.03070	9.5406	0.4	F
9013	28392.40	48 22N	48 56E	75.0	189.8	2.390	-13.30	60.3	SO312	.03070	9.7965	0.4	V
9014	28398.00	48 12N	48 37E	78.5	189.7	2.390	-20.65	60.3	SO312	.03070	9.2600	0.6	A
9015	28473.40	42 49N	47 24E	74.5	188.9	2.530	-11.20	64.6	SO312	.02200	9.8543	0.6	V
9016	28476.20	42 49N	47 23E	75.3	188.8	2.738	-11.20	64.6	SO312	.02200	9.6479	0.6	A
9017	28487.40	41 43N	46 26E	85.8	188.7	2.181	-31.50	65.0	SO312	.03070	8.4100	0.4	F
9018	28494.40	41 37N	46 40E	80.1	188.7	2.530	-23.80	65.2	SO312	.03070	9.0702	0.6	A
9019	28503.60	40 45N	46 52E	74.7	188.6	2.738	-10.85	66.0	SO312	.03070	9.8295	0.4	V
9020	29168.20	5 3S	39 7E	109.1	186.5	2.530	29.75	56.9	SO312	.03070	6.6603	0.4	V
9021	29172.20	5 3S	39 7E	111.2	186.5	2.530	30.10	56.9	SO312	.03070	6.4128	0.6	A
9022	29187.60	6 44S	39 15E	125.9	186.6	2.390	38.85	55.7	SO312	.02200	5.7360	0.8	F
9023	29196.80	6 44S	39 15E	128.5	186.6	1.826	40.25	55.7	SO312	.02200	5.5379	0.8	A
1540 9001	33396.39	68 50N	37 22E	77.5	198.2	1.135	-13.65	42.0	SO312	.05390	9.4664	0.4	V
9002	33399.39	68 50N	37 20E	78.4	198.0	1.338	-14.00	42.0	SO312	.05390	9.2683	0.4	A
9003	33432.99	66 30N	34 37E	82.7	196.4	1.135	-29.55	44.2	SO312	.05390	8.8639	0.4	V
9004	33435.99	66 30N	34 37E	83.5	196.2	1.338	-29.55	44.2	SO312	.05390	8.7071	0.4	A
9005	33490.99	61 47N	33 42E	77.8	193.9	1.690	15.05	48.7	SO312	.04070	9.4416	0.6	V
9006	33502.99	61 46N	33 42E	78.8	193.8	1.690	15.40	48.8	SO312	.04070	9.2023	0.6	A
9007	33527.19	59 58N	30 44E	82.9	193.1	1.484	-26.25	50.2	SO312	.03070	8.7236	0.4	F
9008	33530.19	59 58N	30 43E	81.7	193.0	1.690	-26.25	50.2	SO312	.04070	8.9794	0.4	V
9009	33532.59	59 48N	30 39E	81.7	192.9	1.690	-26.25	50.3	SO312	.04070	8.9794	0.4	V
9010	33535.59	59 48N	30 38E	82.7	192.9	1.690	-26.25	50.3	SO312	.03070	8.7979	0.4	A
9011	33548.99	58 34N	31 17E	74.1	192.5	2.037	0.35	51.6	SO312	.04070	9.9120	0.4	V
9012	33551.79	58 33N	31 17E	75.0	192.5	2.037	0.70	51.6	SO312	.04070	9.6809	0.4	A
9013	33558.99	58 0N	31 40E	78.8	192.3	1.826	16.10	52.2	SO312	.04070	9.2105	0.6	A
9014	33575.19	56 26N	31 34E	87.2	191.9	2.037	28.70	53.7	SO312	.03070	8.3440	0.6	F
9015	33578.19	56 27N	31 34E	86.3	191.9	1.826	29.05	53.7	SO312	.03070	8.5255	0.6	V
9016	33594.39	55 39N	28 28E	87.2	191.5	1.690	-33.60	53.9	SO312	.03070	8.4182	0.4	V
9017	33597.59	55 39N	28 28E	87.9	191.5	1.690	-33.25	53.9	SO312	.03070	8.2779	0.4	A
9018	33603.79	54 55N	28 58E	76.3	191.3	2.037	-16.80	54.7	SO312	.04070	9.6314	0.6	V
9019	33606.79	54 55N	28 57E	77.3	191.3	2.037	-17.15	54.7	SO312	.03070	9.4086	0.8	A
9020	33614.59	54 3N	28 4E	84.6	191.1	1.690	-29.75	55.3	SO312	.03070	8.5503	0.4	F
9021	33623.59	53 21N	28 49E	74.6	191.0	2.181	-5.60	56.2	SO312	.04070	9.7222	0.6	F
9022	33626.19	53 21N	28 49E	73.7	190.9	2.181	-5.25	56.2	SO312	.04070	9.9615	0.6	V
9023	33628.99	53 21N	28 49E	74.6	190.9	2.181	-4.90	56.2	SO312	.04070	9.7387	0.4	A
9024	33635.99	52 58N	27 55E	80.5	190.8	2.037	-24.15	56.3	SO312	.03070	9.0372	0.6	A
9025	33640.79	52 14N	27 50E	78.6	190.7	2.037	-20.65	57.0	SO312	.03070	9.2105	1.0	F
9026	33646.59	52 13N	27 49E	78.4	190.6	2.181	-20.30	57.0	SO312	.03070	9.2848	0.8	A
9027	33656.19	51 14N	28 48E	77.5	190.4	2.181	16.10	58.2	SO312	.03070	9.4911	0.4	V
9028	33658.99	51 14N	28 48E	78.6	190.4	2.181	16.45	58.2	SO312	.03070	9.2270	0.4	A
9029	33664.19	50 53N	28 31E	76.9	190.3	2.181	12.25	58.4	SO312	.03070	9.4416	0.4	A
9030	33668.99	50 11N	28 18E	76.8	190.2	2.390	11.90	59.0	SO312	.03070	9.4746	0.6	F
9031	33672.19	49 58N	28 15E	77.2	190.2	2.390	12.95	59.2	SO312	.03070	9.4334	0.6	F
9032	33674.99	49 58N	28 15E	76.3	190.1	2.181	13.30	59.2	SO312	.03070	9.6397	0.4	V
9033	33677.79	49 58N	28 15E	77.3	190.1	2.181	13.65	59.2	SO312	.03070	9.3838	0.4	A
9034	33686.59	49 6N	26 50E	77.9	190.0	2.181	-19.60	59.6	SO312	.03070	9.2931	0.6	F
9035	33688.59	48 58N	26 47E	77.9	190.0	2.181	-19.60	59.7	SO312	.03070	9.2931	1.2	F
9036	33692.59	48 53N	26 44E	77.5	189.9	2.181	-20.30	59.8	SO312	.03070	9.4746	0.6	V
9037	33695.39	48 53N	26 43E	78.3	189.9	2.390	-20.30	59.8	SO312	.03070	9.2848	0.6	A
9038	33706.19	47 47N	27 55E	82.3	189.7	2.181	24.15	61.1	SO312	.03070	8.9382	0.6	V
9039	33711.99	47 12N	27 38E	81.4	189.6	2.390	21.35	61.5	SO312	.03070	8.9382	0.8	F
9040	33714.99	47 12N	27 38E	80.6	189.6	2.181	21.70	61.6	SO312	.03070	9.1280	0.6	V
9041	33717.79	47 13N	27 37E	81.5	189.6	2.181	21.70	61.5	SO312	.03070	8.8887	1.2	A
9042	33737.19	45 52N	25 31E	82.2	189.3	2.181	-28.70	62.0	SO312	.03070	8.9217	0.4	V
9043	33740.19	45 52N	25 31E	83.0	189.3	2.390	-28.70	62.0	SO312	.03070	8.7649	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1540 9044	33746.39	45 1N	25 40E	77.4	189.2	2.390	-18.20	62.8	SO312	.03070	9.3673	1.0	F
9045	33751.99	45 0N	25 40E	77.1	189.2	2.530	-17.50	62.8	SO312	.03070	9.4251	0.8	A
9046	33758.59	44 25N	24 59E	85.0	189.1	2.181	-31.85	63.1	SO312	.03070	8.6493	1.0	V
9047	33761.79	44 24N	24 60E	85.5	189.1	2.390	-31.50	63.1	SO312	.03070	8.5090	0.8	A
9048	33773.79	43 10N	24 43E	85.1	188.9	2.181	-30.80	64.0	SO312	.03070	8.4760	1.0	F
9049	33776.79	43 10N	24 43E	83.9	188.9	2.181	-30.45	64.0	SO312	.03070	8.7401	1.0	V
9050	33783.19	42 41N	25 0E	76.6	188.9	2.390	-18.90	64.5	SO312	.03070	9.5902	0.4	V
9051	33785.99	42 41N	25 0E	77.3	188.8	2.390	-18.55	64.5	SO312	.03070	9.4003	0.4	A
9052	33790.79	42 10N	24 47E	78.1	188.8	2.390	-21.35	64.9	SO312	.03070	9.4003	0.4	V
9053	33793.59	42 10N	24 47E	78.8	188.8	2.390	-21.00	64.9	SO312	.03070	9.2270	0.6	A
9054	33798.79	41 37N	24 41E	77.1	188.7	2.530	-20.30	65.3	SO312	.03070	9.6241	0.6	V
9055	33801.59	41 37N	24 41E	77.8	188.7	2.530	-19.95	65.3	SO312	.03070	9.3343	0.6	A
9056	33808.19	40 59N	24 26E	79.1	188.6	2.530	-23.10	65.7	SO312	.03070	9.2765	1.0	V
9057	33849.59	38 9N	23 34E	82.7	188.3	2.530	-20.35	67.4	SO312	.03070	8.8639	0.6	V
9058	33852.59	38 9N	23 34E	83.4	188.3	2.530	-20.00	67.4	SO312	.03070	8.7071	0.6	A
9059	33931.79	32 5N	23 58E	92.2	187.7	2.530	-31.50	71.7	SO312	.02200	7.9148	1.0	F
9060	33938.39	32 5N	23 58E	93.2	187.7	2.181	-32.55	71.8	SO312	.02200	7.7580	1.0	A
9061	34006.99	27 17N	21 37E	77.9	187.3	3.092	-14.70	72.2	SO312	.02200	9.4086	0.4	V
9062	34009.99	27 17N	21 37E	78.7	187.3	3.092	-14.00	72.2	SO312	.02200	9.2105	0.4	A
9063	34468.19	4 21S	15 20E	103.0	186.5	3.439	-30.80	56.4	SO312	.02200	7.0565	0.8	V
9064	34471.99	4 21S	15 21E	103.8	186.5	3.439	-30.10	56.4	SO312	.02200	6.9327	0.8	A
9065	34477.59	5 14S	14 54E	113.0	186.5	3.232	-38.85	55.5	SO312	.02200	6.3137	0.6	F
9066	34481.59	5 14S	14 54E	111.5	186.5	3.232	-38.50	55.5	SO312	.02200	6.5035	0.6	V
1541 9001	38965.19	50 52N	6 40E	79.7	190.4	2.181	18.55	58.5	SO312	.03070	9.1445	0.8	F
9002	38967.99	50 52N	6 40E	78.9	190.4	2.181	18.90	58.5	SO312	.03070	9.3178	0.8	V
9003	38992.79	49 10N	4 27E	82.2	190.0	2.037	-26.95	59.4	SO312	.03070	8.8061	1.0	F
9004	38998.59	49 10N	4 28E	81.6	189.9	2.181	-26.25	59.4	SO312	.03070	8.9052	1.0	A
9005	39078.79	43 15N	2 59E	78.8	189.0	2.390	-21.00	64.1	SO312	.03070	9.1858	1.0	F
9006	39084.39	43 16N	2 59E	78.4	188.9	2.530	-20.30	64.1	SO312	.03070	9.2600	1.0	A
9007	39177.39	36 31N	2 49E	88.3	188.1	2.390	29.75	69.4	SO312	.03070	8.3192	0.8	V
9008	39180.79	36 30N	2 49E	89.9	188.1	2.181	30.45	69.4	SO312	.02200	8.0468	0.6	A
9009	39629.99	5 13N	3 43W	93.0	186.6	3.092	18.55	64.9	SO312	.03070	7.7910	0.6	F
9010	39636.79	5 12N	3 42W	94.2	186.5	2.881	19.95	65.0	SO312	.02200	7.6177	0.4	A
1543 9001	50378.79	3 44S	49 43W	94.5	186.5	3.232	10.50	57.7	SO312	.03070	7.5682	1.0	A
9002	50648.79	22 9S	54 55W	133.0	187.0	3.092	-40.95	40.3	SO312	.02200	5.4306	1.4	V
9003	50660.19	22 45S	54 9W	110.9	187.1	3.439	-20.30	40.2	SO312	.03070	6.4293	1.4	A
9004	50692.79	25 31S	54 37W	111.8	187.2	3.232	-18.20	37.7	SO312	.04070	6.3715	0.6	F
9005	50697.19	25 34S	54 28W	108.7	187.2	3.232	-13.65	37.7	SO312	.03070	6.6273	1.4	V
9006	50703.39	25 42S	54 28W	109.8	187.3	3.439	-12.25	37.6	SO312	.04070	6.4788	1.0	A
9007	50721.79	27 5S	52 39W	146.4	187.3	1.484	39.55	37.2	SO312	.02200	4.8117	1.4	A
9008	50829.79	34 40S	58 13W	159.0	187.9	2.390	-44.80	28.4	SO312	.02200	4.4485	1.4	F
9009	50835.59	34 40S	58 13W	156.7	187.9	2.738	-44.80	28.4	SO312	.02200	4.5806	1.4	V
9010	50844.79	35 3S	57 32W	134.9	188.0	3.092	-32.55	28.4	SO312	.03070	5.2656	0.6	A
9011	50878.19	37 43S	57 24W	120.8	188.2	2.881	-16.80	26.1	SO312	.04070	5.9258	0.6	V
9012	50882.79	37 43S	57 25W	122.5	188.3	3.092	-16.80	26.2	SO312	.03070	5.7773	0.6	A
1544 9001	55454.99	11 50N	70 9W	91.8	186.7	3.232	-29.75	68.3	SO312	.02200	7.9561	1.4	V
9002	55465.19	10 51N	69 38W	82.8	186.6	3.439	-4.55	68.3	SO312	.03070	8.7401	1.4	F
9003	55475.79	10 4N	69 21W	86.6	186.6	3.232	12.60	68.2	SO312	.03070	8.3770	0.8	F
9004	55478.79	10 5N	69 21W	85.9	186.6	3.232	12.95	68.2	SO312	.03070	8.5173	0.8	V
9005	55490.59	9 23N	70 35W	92.6	186.6	3.232	-29.75	68.8	SO312	.02200	7.8900	1.4	V
9006	55515.39	7 36N	70 10W	83.9	186.6	3.439	-2.45	68.2	SO312	.03070	8.6988	0.8	V
9007	55524.79	7 7N	69 36W	95.1	186.6	2.881	23.10	68.4	SO312	.02200	7.5434	1.4	A
9008	55563.59	4 36N	71 20W	94.1	186.5	3.587	-26.25	63.6	SO312	.02200	7.6837	1.0	A
9009	55580.19	2 57N	71 5W	87.4	186.5	3.587	-7.00	62.8	SO312	.03070	8.2532	1.0	F
9010	55587.19	2 55N	71 6W	87.8	186.5	3.587	-6.65	62.7	SO312	.03070	8.1954	0.8	A
9011	55596.39	2 17N	71 15W	88.2	186.5	3.587	-7.70	62.2	SO312	.03070	8.1459	1.0	A
9012	55615.39	0 55N	70 45W	96.8	186.5	2.881	20.30	61.7	SO312	.02200	7.3949	1.0	A
1551 5001	5699.99	46 58N	142 40E	82.0	189.6	2.181	-26.95	61.1	SO312	.02210	8.8235	0.6	F
5002	5705.79	46 59N	142 39E	82.0	189.5	2.390	-26.95	61.1	SO312	.02210	8.8977	0.6	A
5003	5709.39	46 44N	142 32E	83.0	189.5	2.390	-28.35	61.3	SO312	.03080	8.7822	0.8	A
5004	5854.79	36 18N	140 33E	75.3	188.1	2.881	-6.65	68.8	SO312	.02210	9.6406	0.8	F
5005	5860.19	36 18N	140 34E	75.4	188.1	2.881	-5.60	68.8	SO312	.02210	9.6489	0.8	A
5006	6277.99	7 24N	134 34E	87.1	186.6	3.439	-18.55	65.8	SO312	.03080	8.3860	1.0	V
5007	6567.59	12 38S	132 54E	129.8	186.7	2.037	38.85	60.6	SO312	.02210	5.5796	0.8	V
5008	6572.59	12 38S	132 54E	133.0	186.7	1.826	39.55	60.6	SO312	.02210	5.3568	1.0	A
1552 5001	11100.79	40 46N	119 9E	77.9	188.6	2.530	-19.25	65.8	SO312	.03080	9.3022	0.8	F
5002	11103.59	40 46N	119 9E	76.9	188.6	2.530	-18.90	65.8	SO312	.03080	9.5498	0.8	V
5003	11112.59	40 14N	118 13E	85.6	188.5	2.037	-44.80	65.7	SO312	.03080	8.5923	0.6	V
5004	11115.79	40 14N	118 12E	86.7	188.5	2.037	-44.80	65.7	SO312	.03080	8.4355	0.6	A
5005	11120.39	39 41N	118 9E	92.5	188.5	2.037	-38.50	66.1	SO312	.02210	7.9320	0.6	V
5006	11123.79	39 41N	118 9E	93.3	188.4	2.390	-38.50	66.1	SO312	.02210	7.8165	0.6	A
5007	11161.39	36 41N	119 8E	78.3	188.1	2.738	15.40	68.9	SO312	.02210	9.3765	0.8	V
5008	11164.39	36 41N	119 7E	79.5	188.1	2.738	15.75	68.9	SO312	.02210	9.1206	0.8	A
5009	11171.59	36 13N	118 38E	75.1	188.1	2.881	2.10	69.0	SO312	.03080	9.6736	0.4	A
5010	11196.19	34 11N	117 53E	75.9	187.9	2.881	-9.10	69.9	SO312	.03080	9.5663	0.4	F
5011	11203.39	33 55N	117 30E	78.3	187.8	2.881	-19.95	69.8	SO312	.03080	9.3682	0.4	V
5012	11214.59	32 57N	117 22E	78.3	187.8	2.881	-17.50	70.3	SO312	.03080	9.2527	0.6	F
5013	11222.19	32 32N	117 58E	76.5	187.7	2.881	8.40	71.0	SO312	.02210	9.5993	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1552 5014	11227.79	32 11N	117 37E	75.1	187.7	3.092	-1.75	70.9	SO312	.03080	9.7809	0.8	V
5015	11235.39	31 36N	117 59E	79.9	187.7	2.738	16.80	71.5	SO312	.02210	9.1866	0.4	V
5016	11241.39	31 9N	118 13E	87.1	187.6	2.530	27.30	71.9	SO312	.03080	8.4355	0.8	V
5017	11244.79	31 8N	118 13E	88.6	187.6	2.530	27.65	72.0	SO312	.02210	8.1796	0.8	A
5018	11250.39	30 21N	117 52E	83.6	187.6	2.738	21.35	72.1	SO312	.03080	8.7079	1.6	F
5019	11256.39	30 21N	117 52E	84.3	187.5	2.738	22.05	72.1	SO312	.03080	8.5841	1.6	A
5020	11277.19	28 40N	115 56E	90.5	187.4	2.530	-34.30	71.4	SO312	.02210	7.9650	0.6	F
5021	11280.39	28 40N	115 56E	89.4	187.4	2.738	-34.30	71.4	SO312	.02210	8.2044	0.8	V
5022	11287.39	27 57N	115 57E	86.3	187.4	2.738	-29.75	71.7	SO312	.03080	8.3777	0.6	F
5023	11291.59	27 40N	115 57E	85.2	187.4	2.738	-28.00	71.8	SO312	.03080	8.4850	0.6	F
5024	11297.59	27 40N	115 58E	84.7	187.3	3.092	-27.30	71.8	SO312	.03080	8.6006	0.6	A
5025	11312.99	26 28N	116 57E	83.3	187.3	2.881	19.25	73.0	SO312	.03080	8.6831	0.4	A
5026	11321.79	25 56N	116 3E	78.3	187.2	3.232	-11.55	72.4	SO312	.03080	9.2692	0.6	A
5027	11338.59	24 23N	115 49E	77.9	187.2	3.232	-9.80	72.6	SO312	.03080	9.3022	0.6	F
5028	11348.59	23 29N	116 37E	90.0	187.1	2.881	26.60	73.4	SO312	.02210	8.1054	0.8	F
5029	11361.79	22 48N	115 22E	80.0	187.1	3.232	-15.05	72.4	SO312	.04000	9.0463	0.6	F
5030	11367.59	22 48N	115 22E	80.0	187.1	3.232	-14.00	72.4	SO312	.04000	9.0711	0.6	A
5031	11523.99	11 29N	114 21E	95.1	186.7	2.881	26.25	69.4	SO312	.02210	7.6514	0.6	F
5032	11527.59	11 27N	114 24E	96.4	186.7	2.881	28.35	69.4	SO312	.02210	7.5936	0.4	V
5033	11530.99	11 28N	114 25E	98.2	186.6	2.530	29.05	69.4	SO312	.02210	7.3377	0.6	A
5034	11535.39	10 57N	114 7E	90.9	186.6	2.738	22.05	68.9	SO312	.02210	8.0393	0.6	V
5035	11538.79	10 57N	114 6E	92.5	186.6	2.738	22.40	69.0	SO312	.02210	7.7835	0.6	A
5036	11545.39	10 13N	114 22E	103.0	186.6	2.530	33.60	68.8	SO312	.02210	7.1066	0.6	V
5037	11549.19	10 13N	114 23E	105.5	186.6	2.530	34.30	68.8	SO312	.02210	6.8177	0.8	A
5038	11566.79	9 1N	113 43E	92.1	186.6	2.881	20.30	67.7	SO312	.02210	7.8165	1.2	A
5039	11583.39	7 57N	112 45E	85.5	186.6	3.587	-9.80	66.4	SO312	.03080	8.4520	1.2	A
5040	11658.79	2 20N	111 50E	88.0	186.5	3.587	-8.05	62.3	SO312	.03080	8.1962	1.0	F
5041	11661.99	2 20N	111 50E	87.2	186.5	3.587	-7.70	62.3	SO312	.03080	8.3612	1.0	V
5042	11677.79	1 16N	111 28E	89.2	186.5	3.587	-14.35	61.4	SO312	.03080	8.1714	0.6	V
5043	11681.19	1 16N	111 28E	90.4	186.5	3.587	-14.00	61.4	SO312	.03080	7.9816	0.6	A
9001	11090.39	41 22N	120 15E	77.1	188.7	2.738	12.60	65.8	SO312	.03070	9.4416	1.0	F
9002	11276.79	28 41N	115 57E	90.6	187.4	2.530	-34.30	71.4	SO312	.02200	7.9643	1.0	F
9003	11279.99	28 41N	115 56E	89.4	187.4	2.738	-34.30	71.4	SO312	.02200	8.2037	1.2	V
9004	11535.39	10 56N	114 7E	90.9	186.6	2.738	22.05	68.9	SO312	.02200	8.0386	0.8	V
9005	11538.59	10 57N	114 7E	92.4	186.6	2.738	22.40	69.0	SO312	.02200	7.7828	1.2	A
1553 5001	16159.79	58 4N	102 51E	76.4	192.3	1.826	-16.10	51.8	SO312	.04000	9.6076	1.0	V
5002	16163.99	57 59N	102 50E	77.0	192.2	1.826	-15.05	51.9	SO312	.03080	9.4508	0.6	A
5003	16179.79	56 25N	103 10E	76.2	191.9	2.037	9.45	53.4	SO312	.03080	9.5498	0.6	F
5004	16189.39	56 16N	101 57E	77.9	191.7	2.037	-18.55	53.4	SO312	.03080	9.3435	0.6	A
5005	16218.79	53 58N	102 6E	75.1	191.1	2.181	9.10	55.6	SO312	.04000	9.7892	0.8	V
5006	16223.79	53 48N	102 15E	78.2	191.0	2.181	15.05	55.8	SO312	.03080	9.2939	0.6	A
5007	16417.59	40 15N	97 22E	74.0	188.6	2.738	-3.50	66.3	SO312	.02210	9.8139	0.8	F
5008	16422.79	40 16N	97 22E	74.2	188.5	2.738	-2.80	66.3	SO312	.02210	9.8057	1.0	A
5009	16456.19	37 31N	97 23E	80.1	188.2	2.738	21.00	68.5	SO312	.02210	9.1041	0.8	F
5010	16459.19	37 30N	97 22E	79.4	188.2	2.530	21.35	68.5	SO312	.02210	9.2774	0.6	V
5011	16462.79	37 28N	97 16E	79.1	188.2	2.530	18.55	68.5	SO312	.02210	9.1866	0.8	A
1554 5001	21299.99	69 24N	88 8E	78.5	198.6	1.135	-15.75	41.3	SO312	.04000	9.3352	0.6	V
5002	21302.79	69 24N	88 8E	79.5	198.5	1.135	-15.75	41.3	SO312	.04000	9.1454	0.8	A
5003	21461.59	58 21N	82 54E	86.4	192.5	1.690	28.70	51.8	SO312	.02210	8.5098	0.6	V
5004	21464.79	58 21N	82 54E	87.8	192.4	1.690	29.05	51.8	SO312	.02210	8.2704	0.6	A
5005	21574.79	50 33N	79 7E	80.4	190.3	2.390	19.60	58.6	SO312	.02210	9.0628	0.8	F
5006	21577.99	50 32N	79 6E	79.8	190.3	2.181	20.30	58.6	SO312	.02210	9.2197	0.4	V
5007	21587.19	50 1N	77 50E	74.3	190.1	2.390	-10.85	58.8	SO312	.04000	9.8882	0.6	V
5008	21589.99	50 1N	77 50E	75.2	190.1	2.390	-10.50	58.8	SO312	.03080	9.6819	0.4	A
5009	21671.79	43 55N	77 3E	82.2	189.1	2.530	22.40	64.0	SO312	.02210	8.8812	1.0	F
5010	21674.79	43 55N	77 3E	81.5	189.1	2.530	22.75	64.0	SO312	.02210	9.0298	1.0	V
5011	21685.19	43 16N	76 19E	74.2	188.9	2.530	5.95	64.3	SO312	.03080	9.9047	0.6	V
5012	21687.99	43 16N	76 18E	75.2	188.9	2.530	6.30	64.3	SO312	.03080	9.6654	0.6	A
5013	21827.79	33 26N	74 19E	82.6	187.8	2.738	21.70	70.8	SO312	.02210	8.8895	0.8	V
5014	21830.99	33 25N	74 19E	84.0	187.8	2.530	22.40	70.8	SO312	.02210	8.6336	0.6	A
5015	21836.79	32 51N	73 54E	77.8	187.8	2.738	12.60	70.9	SO312	.02210	9.4425	0.6	V
5016	21839.79	32 50N	73 54E	79.0	187.7	2.738	12.95	70.9	SO312	.02210	9.1866	0.6	A
5017	21851.59	31 31N	74 16E	93.6	187.7	2.530	32.55	71.9	SO312	.02210	7.8082	1.0	F
5018	21854.79	31 32N	74 16E	93.0	187.6	2.530	32.90	71.9	SO312	.02210	7.9073	1.2	V
9001	21919.39	27 4N	71 40E	83.8	187.3	2.881	-25.55	71.9	SO312	.03070	8.6246	1.0	F
9002	21925.39	27 4N	71 40E	83.4	187.3	3.092	-24.85	71.9	SO312	.03070	8.7153	1.2	A
1555 5001	26587.19	71 6N	66 47E	86.8	200.0	0.995	-28.00	39.6	SO312	.04000	8.3777	0.4	A
5002	26633.79	67 34N	64 11E	80.2	197.3	1.135	-18.90	43.0	SO312	.04000	9.0216	0.6	F
5003	26636.59	67 34N	64 10E	79.3	197.1	1.135	-18.90	43.0	SO312	.04000	9.2444	0.6	V
5004	26641.19	67 19N	63 30E	83.0	196.9	1.135	-25.55	43.2	SO312	.04000	8.8317	0.8	V
5005	26644.19	67 19N	63 31E	83.8	196.8	1.338	-25.55	43.2	SO312	.04000	8.6831	0.8	A
5006	26771.19	58 7N	60 27E	83.9	192.5	1.826	24.50	52.0	SO312	.03080	8.6914	1.4	F
5007	26777.19	58 7N	60 26E	84.1	192.3	1.690	24.85	52.0	SO312	.03080	8.6336	1.8	A
5008	26784.19	57 27N	60 5E	82.8	192.2	1.826	24.50	52.6	SO312	.03080	8.8895	0.6	V
5009	26787.19	57 27N	60 6E	84.1	192.1	1.826	24.85	52.6	SO312	.03080	8.6419	0.6	A
5010	26853.19	52 49N	55 47E	86.7	190.8	1.690	-32.20	56.2	SO312	.03080	8.3447	1.0	F
5011	26867.79	52 1N	55 35E	84.5	190.6	1.826	-30.80	56.9	SO312	.03080	8.6831	1.2	V
5012	26871.19	52 0N	55 34E	85.4	190.5	2.037	-30.80	56.9	SO312	.03080	8.5428	0.8	A
5013	26880.59	51 10N	55 4E	88.8	190.4	1.826	-35.35	57.5	SO312	.03080	8.2539	0.6	V
5014	26883.79	51 11N	55 4E	89.7	190.3	2.037	-35.35	57.5	SO312	.03080	8.1301	0.8	A

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1555 5015	26921.39	48 10N	54 9E	90.1	189.8	1.826	-35.70	60.0	S0312	.03080	8.0146	1.0	F
5016	26924.59	48 10N	54 8E	89.1	189.7	1.826	-35.70	60.0	S0312	.03080	8.2292	2.0	V
5017	26928.79	48 6N	54 6E	90.0	189.7	2.037	-35.70	60.0	S0312	.03080	8.1054	1.2	A
5018	26983.59	43 54N	54 54E	81.1	189.1	2.390	22.05	64.0	S0312	.03080	9.0546	0.6	V
5019	26986.59	43 54N	54 54E	82.4	189.0	2.390	22.40	64.0	S0312	.03080	8.8070	0.6	A
5020	27036.59	40 25N	52 44E	76.7	188.5	2.530	-17.50	66.0	S0312	.02210	9.5663	0.6	V
5021	27039.39	40 25N	52 44E	77.6	188.5	2.738	-17.50	66.0	S0312	.02210	9.3847	0.6	A
5022	27594.39	2 3N	45 21E	88.1	186.5	3.587	-10.85	62.1	S0312	.03080	8.2704	0.6	V
5023	27597.59	2 3N	45 21E	89.2	186.5	3.587	-10.15	62.1	S0312	.03080	8.0723	0.8	A
9001	26820.59	54 51N	58 28E	78.0	191.4	2.181	14.70	54.8	S0312	.03070	9.3261	1.0	F
9002	26826.19	54 51N	58 28E	78.3	191.3	2.037	15.40	54.9	S0312	.03070	9.2683	1.2	A
9003	26859.39	52 23N	55 45E	84.8	190.7	1.826	-30.10	56.6	S0312	.03070	8.5173	1.2	F
9004	26862.59	52 22N	55 44E	83.8	190.7	1.826	-30.10	56.6	S0312	.03070	8.7484	1.2	V
9005	27238.59	26 13N	50 30E	82.5	187.3	2.881	16.80	73.0	S0312	.03070	8.8309	1.6	F
9006	27244.59	26 13N	50 30E	83.0	187.3	2.881	17.50	73.0	S0312	.03070	8.6988	2.0	A
1556 5001	31985.59	64 39N	39 51E	80.2	195.4	1.338	-20.30	45.7	S0312	.04000	9.0133	1.6	F
5002	31991.38	64 39N	39 51E	80.1	195.1	1.338	-19.95	45.7	S0312	.04000	9.0793	1.4	A
5003	32062.18	59 14N	39 9E	87.5	192.9	1.826	28.70	51.0	S0312	.03080	8.3447	1.0	F
5004	32068.59	59 13N	39 8E	87.7	192.7	1.690	29.05	51.0	S0312	.03080	8.2787	0.8	A
5005	32103.98	56 27N	37 29E	83.2	191.9	2.037	23.80	53.5	S0312	.03080	8.7409	0.6	F
5006	32106.99	56 27N	37 29E	82.7	191.9	1.826	24.50	53.5	S0312	.03080	8.8977	0.4	V
5007	32110.78	55 57N	37 31E	87.5	191.8	2.037	29.05	54.0	S0312	.03080	8.3117	0.6	F
5008	32115.39	55 38N	37 23E	87.5	191.7	2.037	29.05	54.2	S0312	.03080	8.3117	0.4	F
5009	32128.78	55 11N	36 53E	83.4	191.4	1.826	24.15	54.6	S0312	.03080	8.7079	0.6	A
5010	32155.78	53 21N	34 16E	79.2	190.9	2.037	-23.45	55.8	S0312	.03080	9.2609	0.6	V
5011	32158.78	53 21N	34 16E	80.0	190.9	2.037	-23.10	55.8	S0312	.03080	9.0958	0.4	A
9001	31985.78	64 38N	39 51E	80.3	195.4	1.338	-20.30	45.7	S0312	.05390	9.0124	1.0	F
9002	31991.59	64 38N	39 50E	80.1	195.1	1.338	-19.95	45.8	S0312	.05390	9.0785	1.0	A
9003	32008.78	62 58N	41 43E	91.0	194.5	1.484	32.90	47.6	S0312	.03070	8.0881	0.8	V
9004	32012.19	62 57N	41 43E	92.4	194.4	1.484	33.25	47.6	S0312	.03070	7.8488	0.8	A
9005	32028.79	61 41N	40 25E	84.3	193.9	1.690	25.90	48.7	S0312	.03070	8.7153	0.6	V
9006	32031.99	61 41N	40 25E	85.6	193.8	1.484	26.60	48.7	S0312	.03070	8.4678	0.8	A
9007	32086.98	57 47N	36 40E	75.5	192.3	2.037	-9.45	52.1	S0312	.04070	9.5984	1.0	F
9008	32096.38	57 23N	37 36E	79.6	192.1	1.826	17.85	52.6	S0312	.03070	9.1115	0.8	A
9009	32110.78	55 57N	37 31E	87.6	191.8	2.037	29.05	54.0	S0312	.03070	8.3109	5.0	F
9010	32119.18	55 47N	37 40E	92.2	191.6	1.826	33.60	54.2	S0312	.03070	7.8653	3.6	A
9011	32136.18	54 44N	36 4E	76.2	191.3	2.037	9.45	54.9	S0312	.04070	9.5241	0.6	A
9012	32140.99	54 0N	35 59E	77.8	191.2	2.037	14.35	55.6	S0312	.03070	9.3508	0.8	F
9013	32142.59	53 54N	35 56E	77.8	191.1	2.037	14.35	55.7	S0312	.03070	9.3508	2.4	F
9014	32155.59	53 22N	34 16E	79.2	190.9	2.037	-23.45	55.8	S0312	.03070	9.2600	0.6	V
9015	32158.59	53 21N	34 16E	80.0	190.9	2.037	-23.10	55.8	S0312	.03070	9.0950	0.6	A
9016	32176.58	51 43N	35 37E	84.8	190.6	2.037	27.30	57.7	S0312	.03070	8.6658	0.8	V
9017	32191.79	50 35N	34 29E	76.0	190.3	2.390	9.10	58.5	S0312	.03070	9.5654	0.6	F
9018	32194.58	50 34N	34 29E	75.2	190.3	2.181	9.45	58.5	S0312	.03070	9.7800	0.6	V
9019	32197.39	50 34N	34 27E	76.0	190.2	2.181	9.10	58.5	S0312	.03070	9.5489	0.6	A
9020	32203.98	49 42N	34 30E	79.3	190.1	2.390	17.50	59.3	S0312	.03070	9.1775	0.8	F
9021	32206.98	49 42N	34 29E	78.5	190.1	2.181	17.85	59.3	S0312	.03070	9.3756	0.6	V
9022	32219.58	48 49N	32 31E	84.0	189.9	2.037	-29.40	59.5	S0312	.03070	8.6163	0.8	F
9023	32222.58	48 49N	32 31E	82.8	189.9	2.037	-29.05	59.5	S0312	.03070	8.8721	0.6	V
9024	32226.18	48 34N	32 28E	82.3	189.8	2.037	-28.35	59.8	S0312	.03070	8.9217	0.6	V
9025	32229.18	48 34N	32 28E	83.0	189.8	2.037	-28.00	59.8	S0312	.03070	8.7649	0.6	A
9026	32244.78	47 5N	32 12E	80.5	189.6	2.181	-24.15	61.0	S0312	.03070	8.9877	0.8	F
9027	32247.59	47 5N	32 12E	79.4	189.6	2.181	-23.80	61.0	S0312	.03070	9.2435	0.6	V
9028	32250.39	47 5N	32 12E	80.2	189.5	2.390	-23.80	61.0	S0312	.03070	9.0702	0.8	A
9029	32264.78	45 35N	32 59E	77.3	189.4	2.530	12.60	62.6	S0312	.03070	9.4168	0.6	F
9030	32272.39	45 12N	33 16E	82.8	189.3	2.181	24.50	63.0	S0312	.03070	8.8887	0.8	V
9031	32275.38	45 12N	33 16E	84.0	189.2	2.181	24.85	63.0	S0312	.03070	8.6246	0.8	A
9032	32327.39	41 29N	31 48E	76.7	188.7	2.530	12.60	65.7	S0312	.04070	9.5902	0.8	V
9033	32330.39	41 29N	31 48E	77.7	188.7	2.530	12.95	65.7	S0312	.04070	9.3261	0.6	A
9034	32477.39	31 8N	29 48E	89.0	187.6	2.530	29.05	72.0	S0312	.01650	8.2532	0.6	V
9035	32480.59	31 9N	29 48E	90.5	187.6	2.530	29.40	72.0	S0312	.01650	7.9808	1.0	A
1557 5001	37460.98	53 20N	11 30E	91.7	190.9	1.484	-36.75	55.7	S0312	.03080	7.8990	0.6	F
5002	37464.38	53 20N	11 32E	89.7	190.9	1.690	-36.05	55.7	S0312	.03080	8.1796	0.6	V
5003	37478.18	52 33N	11 38E	83.6	190.7	2.037	-28.70	56.4	S0312	.03080	8.7162	0.6	A
5004	37480.98	52 22N	11 34E	83.6	190.6	2.037	-28.70	56.6	S0312	.03080	8.7162	0.4	A
9001	37443.38	54 30N	12 32E	81.1	191.3	1.826	-24.50	54.8	S0312	.04070	8.9217	0.6	F
9002	37449.18	54 30N	12 32E	80.7	191.2	2.037	-24.15	54.8	S0312	.04070	9.0124	0.6	A
9003	37452.58	54 4N	12 23E	79.7	191.1	1.826	-23.80	55.2	S0312	.03070	9.2105	0.8	V
9004	37455.58	54 4N	12 23E	80.5	191.0	2.037	-23.80	55.2	S0312	.03070	9.0372	0.6	A
9005	37470.38	52 40N	11 50E	81.4	190.8	1.826	-25.20	56.4	S0312	.03070	8.8804	0.8	F
9006	37473.98	52 25N	11 50E	80.2	190.7	2.037	-23.45	56.6	S0312	.03070	9.0290	0.6	F
9007	37488.38	51 46N	11 59E	76.0	190.5	2.181	-13.30	57.3	S0312	.03070	9.5654	1.2	A
9008	37495.78	50 50N	12 14E	74.6	190.4	2.390	2.45	58.2	S0312	.03070	9.7305	1.2	F
9009	37501.18	50 50N	12 14E	74.7	190.3	2.390	3.15	58.2	S0312	.03070	9.7140	1.0	A
9010	37507.98	50 8N	12 27E	77.4	190.2	2.181	16.10	58.9	S0312	.03070	9.4994	0.8	V
9011	37510.98	50 7N	12 27E	78.5	190.1	2.181	16.45	58.9	S0312	.03070	9.2435	0.8	A
9012	37518.18	49 36N	12 37E	83.7	190.0	2.037	25.55	59.4	S0312	.03070	8.6411	1.0	A
1559 5001	49164.38	21 30S	48 5W	117.5	187.0	3.232	-30.10	41.3	S0312	.03080	6.0666	1.4	F
5002	49184.18	23 11S	45 51W	138.5	187.1	2.181	37.45	41.0	S0312	.02210	5.1917	1.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1559	5003	49189.1N	23 11S	45 51W	138.1	187.1	1.826	38.15	41.0	SO312	.02210	5.2330	1.4	V
	5004	49196.5N	23 36S	46 40W	116.0	187.1	2.390	22.40	40.2	SO312	.03080	6.2152	0.6	V
	5005	49200.9N	23 36S	46 41W	118.2	187.1	2.390	22.75	40.3	SO312	.03080	6.0006	0.6	A
	5006	49205.7N	23 56S	46 1W	131.0	187.1	2.181	32.20	40.1	SO312	.03080	5.4146	0.6	A
	9001	49167.7N	21 44S	48 7W	117.3	187.0	3.232	-29.75	41.1	SO312	.03070	6.0661	1.8	F
	9002	49248.1N	26 49S	48 38W	110.5	187.3	3.232	-15.05	36.7	SO312	.03070	6.5118	1.6	V
	9003	49253.3N	27 36S	48 31W	110.1	187.3	3.232	-8.05	36.0	SO312	.03070	6.4705	1.6	F
	9004	49260.5N	27 32S	48 33W	110.7	187.4	3.232	-8.05	36.1	SO312	.04070	6.4128	1.0	A
	9005	49270.7N	28 14S	48 41W	111.2	187.4	3.232	-7.70	35.5	SO312	.03070	6.3797	1.4	A
1560	5001	54356.5N	14 2S	66 47W	116.5	186.7	2.738	29.05	49.2	SO312	.02210	6.1822	1.4	F
	5002	54365.9N	14 6S	66 22W	133.7	186.7	1.826	39.55	49.3	SO312	.02210	5.3155	1.4	A
	9001	53997.7N	10 42N	63 15W	84.4	186.6	3.439	5.95	68.5	SO312	.03070	8.5833	1.0	F
	9002	54008.5N	10 30N	64 11W	91.9	186.6	3.439	-27.65	67.6	SO312	.02200	7.8653	1.0	A
	9003	54018.9N	9 41N	63 43W	83.9	186.6	3.439	-4.55	67.7	SO312	.03070	8.5915	0.8	A
	9004	54027.9N	9 4N	63 45W	84.3	186.6	3.439	-1.40	67.3	SO312	.03070	8.5420	1.2	A
	9005	54034.3N	8 9N	63 31W	88.0	186.6	3.232	12.95	67.0	SO312	.03070	8.2367	0.8	F
	9006	54037.1N	8 11N	63 32W	87.2	186.6	3.232	12.95	67.0	SO312	.03070	8.3770	1.6	V
	9007	54385.5N	15 25S	67 25W	108.3	186.8	2.881	19.25	47.7	SO312	.03070	6.5696	1.8	A
	9008	54423.3N	18 0S	70 12W	136.3	186.9	3.092	-44.80	44.2	SO312	.01650	5.2656	0.6	V
	9009	54428.5N	18 0S	70 13W	138.2	186.9	3.232	-44.80	44.2	SO312	.01650	5.1748	0.6	A
	9010	54638.1N	32 59S	71 37W	114.1	187.7	3.092	-3.50	31.0	SO312	.04070	6.2394	1.2	F
	9011	54646.9N	33 26S	70 31W	128.4	187.8	2.181	25.55	31.1	SO312	.03070	5.5957	0.4	V
	9012	54651.5N	33 25S	70 32W	130.4	187.8	2.181	25.55	31.1	SO312	.03070	5.4059	0.6	A
	9013	54676.1N	35 31S	72 35W	118.0	188.0	3.092	-12.60	28.5	SO312	.03070	6.0249	1.0	F
	9014	54680.7N	35 15S	72 23W	117.3	188.0	3.092	-8.40	28.8	SO312	.03070	6.0249	2.2	A
	9015	54697.7S	36 39S	73 5W	120.0	188.1	3.092	-17.15	27.3	SO312	.04070	5.9836	1.2	V
	9016	54702.3N	36 39S	73 5W	121.4	188.2	3.092	-16.45	27.4	SO312	.04070	5.8268	1.2	A
	9017	54712.3N	37 26S	72 21W	119.6	188.2	2.738	4.90	27.0	SO312	.03070	5.8928	0.8	A
	9018	54719.7N	38 13S	72 39W	117.8	188.3	2.738	1.75	26.2	SO312	.04070	6.0826	1.0	V
	9019	54740.5N	39 20S	72 36W	122.9	188.5	2.530	9.45	25.2	SO312	.03070	5.7278	1.2	A
	9020	54749.1N	40 7S	73 38W	120.0	188.5	2.881	-9.45	24.2	SO312	.04070	5.9671	0.8	V
	9021	54755.3N	40 16S	73 26W	121.0	188.6	2.738	-3.50	24.1	SO312	.04070	5.8268	1.2	A
	9022	54767.9N	41 26S	73 25W	120.8	188.7	2.530	3.15	23.1	SO312	.04070	5.9258	1.0	V
	9023	54775.1N	41 36S	73 34W	122.4	188.8	2.530	1.05	22.9	SO312	.04070	5.7525	0.8	A
	9024	54783.1N	42 27S	73 46W	121.3	188.8	2.530	1.40	22.1	SO312	.04070	5.8928	1.0	V
	9025	54792.9N	42 53S	72 41W	138.4	188.9	1.826	24.85	22.1	SO312	.03070	5.0675	1.4	A
1561	9001	59123.3S	23 1N	82 58W	80.4	187.1	3.092	9.80	73.0	SO312	.03070	9.0290	1.2	F
	9002	59129.1S	23 1N	82 58W	81.0	187.1	3.092	10.85	73.0	SO312	.03070	8.9134	1.2	A
	9003	59134.1S	22 40N	82 52W	83.8	187.0	2.881	17.15	73.1	SO312	.03070	8.6081	1.0	A
1562	5001	64184.7N	39 24N	101 41W	74.5	188.5	2.738	1.75	66.9	SO312	.02210	9.7562	0.8	F
	5002	64194.9N	39 25N	101 41W	74.7	188.4	2.738	2.45	66.9	SO312	.02210	9.7149	1.2	A
	5003	64460.3N	20 44N	105 14W	86.2	187.0	3.092	19.95	73.0	SO312	.03080	8.4438	1.0	F
	5004	64464.5N	20 39N	105 14W	86.1	187.0	2.881	21.35	73.0	SO312	.03080	8.5181	0.6	V
	5005	64467.7N	20 39N	105 13W	87.8	187.0	2.881	22.05	73.0	SO312	.02210	8.2292	0.6	A
	9001	64184.5N	39 25N	101 41W	74.5	188.5	2.738	1.75	66.9	SO312	.02200	9.7552	1.0	F
	9002	64194.9N	39 25N	101 42W	74.7	188.4	2.738	2.45	66.9	SO312	.02200	9.7140	1.0	A
1566	9001	85056.7N	64 46N	177 46E	92.9	195.4	0.995	-35.35	45.4	SO312	.03070	7.7910	0.8	F
	9002	85060.1N	64 46N	177 45E	91.7	195.3	0.995	-35.35	45.4	SO312	.03070	7.9973	0.8	V
	9003	85095.3N	62 33N	176 58E	85.2	194.0	1.484	-28.35	47.5	SO312	.03070	8.5173	1.2	A
1567	5001	4249.9S	45 36N	149 26E	74.1	189.3	2.530	3.15	62.3	SO312	.03080	9.9212	0.4	V
	5002	4252.7S	45 35N	149 26E	75.1	189.3	2.530	3.85	62.4	SO312	.03080	9.6819	0.4	A
	9001	3878.5N	70 40N	162 26E	77.4	199.9	1.135	-9.80	39.9	SO312	.03070	9.4746	0.8	V
	9002	3881.3N	70 40N	162 25E	78.2	199.7	1.135	-9.80	39.9	SO312	.03070	9.2683	0.6	A
	9003	4235.5N	46 15N	150 34E	87.8	189.5	2.390	29.05	62.1	SO312	.02200	8.3109	0.6	F
	9004	4238.7N	46 15N	150 35E	87.2	189.4	2.181	29.75	62.1	SO312	.02200	8.4430	0.6	V
	9005	4241.9N	46 15N	150 35E	88.6	189.4	2.181	30.10	62.2	SO312	.02200	8.1789	0.8	A
	9006	4264.9N	44 45N	147 23E	100.8	189.2	1.826	-44.45	62.3	SO312	.02200	7.2876	0.6	V
	9007	4268.5N	44 45N	147 23E	101.7	189.1	2.037	-44.45	62.3	SO312	.02200	7.1473	0.8	A
1568	5001	9483.7N	50 24N	127 49E	81.2	190.2	2.181	-25.20	58.2	SO312	.03080	8.9885	0.4	A
	5002	9498.5N	50 5N	127 41E	81.6	190.1	2.181	-25.90	58.4	SO312	.03080	8.9473	0.4	A
	5003	9605.9N	42 46N	125 15E	88.2	188.8	2.390	-34.30	64.0	SO312	.02210	8.2704	0.6	A
	5004	9610.9N	41 59N	125 13E	84.9	188.8	2.181	-30.80	64.6	SO312	.03080	8.5016	0.4	F
	5005	9613.9N	41 59N	125 13E	83.8	188.8	2.390	-30.80	64.6	SO312	.03080	8.7574	0.4	V
	5006	9774.3N	30 45N	122 50E	82.8	187.6	2.738	-25.55	70.9	SO312	.03080	8.7409	0.6	F
	5007	9777.1N	30 45N	122 50E	81.7	187.6	2.738	-25.20	70.9	SO312	.03080	8.9803	0.6	V
	5008	9789.5N	29 55N	122 25E	87.5	187.5	2.738	-32.55	71.0	SO312	.03080	8.3860	0.4	V
	5009	9792.7N	29 55N	122 26E	88.0	187.5	2.738	-31.85	71.0	SO312	.03080	8.2787	0.4	A
	5010	9797.3N	29 24N	122 14E	89.4	187.5	2.530	-34.30	71.1	SO312	.02210	8.1879	0.4	V
	5011	9800.5N	29 24N	122 14E	90.4	187.5	2.738	-34.30	71.1	SO312	.02210	8.0641	0.6	A
	5012	10242.1N	1 13S	116 49E	97.6	186.5	3.439	-27.30	59.3	SO312	.03080	7.4615	0.4	V
	5013	10245.7N	1 13S	116 50E	98.5	186.5	3.439	-26.60	59.3	SO312	.02210	7.3295	0.6	A
	9001	9465.5N	51 55N	128 23E	80.6	190.6	2.181	-24.15	56.9	SO312	.03070	8.9794	2.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1568 9002	9471.38	51 55N	128 23E	80.1	190.5	2.181	-23.45	56.9	S0312	.03070	9.0702	3.4	A
9003	9480.98	50 48N	128 47E	74.6	190.4	2.390	-3.15	58.0	S0312	.03070	9.7387	0.8	F
9004	9486.18	50 48N	128 47E	74.5	190.3	2.390	-2.45	58.0	S0312	.03070	9.7387	1.0	A
9005	9554.58	45 49N	126 43E	77.3	189.4	2.390	-17.50	61.9	S0312	.03070	9.3756	0.8	F
9006	9557.38	45 49N	126 43E	76.3	189.3	2.390	-17.15	61.9	S0312	.03070	9.6314	0.8	V
9007	9559.98	45 38N	126 40E	76.2	189.3	2.390	-17.15	62.1	S0312	.03070	9.6397	0.8	V
9008	9562.98	45 37N	126 40E	77.0	189.3	2.390	-16.80	62.1	S0312	.03070	9.4416	0.6	A
9009	9582.98	44 2N	126 25E	74.6	189.1	2.530	-11.20	63.4	S0312	.03070	9.8460	0.8	V
9010	9585.98	44 1N	126 24E	75.4	189.0	2.530	-10.85	63.4	S0312	.02200	9.6314	0.6	A
9011	9590.78	43 31N	126 9E	75.5	189.0	2.530	-15.05	63.7	S0312	.03070	9.7222	1.0	V
9012	9594.98	42 58N	125 12E	89.9	188.9	2.181	-36.75	63.8	S0312	.02200	8.1789	0.8	V
9013	9613.58	42 1N	125 13E	83.8	188.8	2.390	-30.80	64.6	S0312	.03070	8.7566	0.8	V
9014	9616.98	41 59N	125 13E	84.3	188.7	2.390	-30.10	64.6	S0312	.03070	8.6411	0.4	A
9015	9628.38	40 38N	126 25E	80.4	188.6	2.738	18.90	66.2	S0312	.03070	9.0537	0.4	F
9016	9630.98	40 39N	126 25E	79.7	188.6	2.530	19.25	66.2	S0312	.03070	9.2105	0.6	V
9017	9645.18	39 52N	124 25E	90.7	188.5	2.181	-37.10	65.9	S0312	.03070	8.1046	0.6	V
9018	9648.58	39 52N	124 26E	91.2	188.4	2.390	-36.75	65.9	S0312	.03070	7.9808	0.6	A
9019	9659.38	38 37N	124 60E	76.1	188.4	2.738	-12.25	67.1	S0312	.04070	9.5241	0.6	F
9020	9661.98	38 37N	124 60E	75.2	188.3	2.738	-11.90	67.1	S0312	.04070	9.7635	0.6	V
9021	9665.58	38 33N	125 1E	75.6	188.3	2.738	-9.80	67.2	S0312	.03070	9.5984	0.4	A
9022	9666.38	38 30N	125 1E	75.7	188.3	2.738	-9.80	67.3	S0312	.03070	9.5984	0.8	A
9023	9673.18	37 47N	125 24E	76.3	188.2	2.738	10.15	68.0	S0312	.04070	9.6314	0.4	V
9024	9675.78	37 48N	125 25E	77.3	188.2	2.738	10.50	68.0	S0312	.04070	9.3673	1.2	A
9025	9901.78	22 11N	120 54E	89.4	187.0	2.881	-32.20	71.9	S0312	.02200	8.1789	1.0	V
9026	9905.18	22 11N	120 54E	90.4	187.0	3.092	-32.20	71.9	S0312	.02200	8.0386	1.0	A
9027	10135.78	5 51N	118 13E	91.4	186.6	3.439	-23.45	64.7	S0312	.03070	7.8818	1.0	F
9028	10142.38	5 50N	118 13E	91.0	186.5	3.587	-22.40	64.8	S0312	.03070	7.9313	1.0	A
9029	10158.18	4 18N	117 53E	93.4	186.5	3.439	-25.20	63.6	S0312	.03070	7.7002	0.8	F
9030	10161.58	4 18N	117 53E	92.1	186.5	3.439	-24.50	63.6	S0312	.03070	7.9231	0.8	V
1569 5001	14624.18	61 49N	113 9E	87.1	194.0	1.690	27.65	48.5	S0312	.03080	8.3530	1.0	F
5002	14627.38	61 48N	113 9E	86.4	193.9	1.690	28.00	48.5	S0312	.03080	8.5016	1.0	V
5003	14977.98	37 58N	102 39E	76.5	188.3	2.738	-14.35	67.5	S0312	.02210	9.4838	0.6	F
5004	14980.78	37 57N	102 39E	75.6	188.3	2.738	-14.00	67.5	S0312	.02210	9.7149	0.6	V
5005	14984.98	37 39N	102 45E	73.7	188.2	2.738	-8.05	67.8	S0312	.03080	9.9708	0.4	V
5006	14987.58	37 39N	102 45E	74.6	188.2	2.738	-7.70	67.8	S0312	.03080	9.7562	0.6	A
5007	14997.78	36 54N	103 12E	77.9	188.1	2.738	15.05	68.6	S0312	.02210	9.3104	0.4	A
5008	15004.58	36 10N	103 32E	87.9	188.1	2.530	30.10	69.3	S0312	.02210	8.3695	0.6	V
5009	15007.78	36 11N	103 32E	89.4	188.1	2.181	30.80	69.3	S0312	.02210	8.1054	0.6	A
5010	15141.58	26 43N	100 2E	79.6	187.3	3.092	-21.00	72.0	S0312	.03080	9.0958	0.6	F
5011	15159.58	25 24N	100 37E	79.1	187.2	3.092	12.25	72.9	S0312	.03080	9.1949	0.6	F
5012	15168.78	24 51N	99 39E	81.1	187.2	3.092	-21.35	72.2	S0312	.03080	8.9308	1.0	F
5013	15173.98	24 54N	99 39E	81.1	187.2	3.092	-21.00	72.2	S0312	.03080	8.9638	1.0	A
5014	15191.78	23 40N	99 24E	81.6	187.1	3.232	-21.35	72.3	S0312	.03080	8.9060	0.4	A
5015	15212.98	22 16N	98 48E	89.7	187.0	3.092	-31.85	71.9	S0312	.02210	8.1136	1.0	A
5016	15260.38	18 54N	98 49E	79.6	186.9	3.439	-8.40	71.9	S0312	.03080	9.1123	0.6	A
9001	14630.58	61 35N	113 0E	86.2	193.8	1.690	28.00	48.7	S0312	.03070	8.5255	0.6	V
9002	14633.78	61 35N	112 60E	87.3	193.7	1.484	28.35	48.7	S0312	.03070	8.2779	0.6	A
9003	14772.18	51 54N	107 54E	80.4	190.6	2.181	19.95	57.3	S0312	.03070	9.0620	1.0	F
9004	14775.78	51 51N	107 50E	79.0	190.6	2.181	18.90	57.3	S0312	.03070	9.3178	0.4	V
9005	14778.38	51 52N	107 50E	80.1	190.5	2.181	19.25	57.3	S0312	.03070	9.0537	0.6	A
9006	14798.78	50 25N	106 9E	75.0	190.2	2.181	-13.65	58.3	S0312	.03070	9.7965	0.8	V
9007	14801.78	50 24N	106 8E	75.8	190.2	2.390	-13.65	58.3	S0312	.03070	9.5902	0.8	A
9008	15249.58	19 34N	99 53E	92.3	186.9	2.530	27.65	72.9	S0312	.02200	7.7993	1.0	A
1570 5001	20077.57	52 34N	85 13E	74.7	190.7	2.181	-1.05	56.5	S0312	.04000	9.7397	0.6	A
5002	20291.77	37 36N	80 17E	78.7	188.2	2.738	-20.30	67.6	S0312	.03080	9.2031	1.2	F
9001	20026.77	55 46N	84 56E	91.3	191.6	1.484	-36.05	53.4	S0312	.03070	7.8983	1.4	F
9002	20030.57	55 44N	84 55E	90.0	191.5	1.690	-36.05	53.5	S0312	.03070	8.1541	0.8	V
9003	20033.57	55 45N	84 55E	91.1	191.5	1.690	-36.05	53.5	S0312	.03070	7.9891	0.4	A
9004	20065.57	53 20N	84 9E	87.6	190.9	1.690	-33.95	55.6	S0312	.02200	8.3770	0.6	V
9005	20068.77	53 20N	84 9E	88.3	190.8	1.690	-33.60	55.6	S0312	.02200	8.2449	0.6	A
9006	20203.37	43 40N	81 42E	79.6	189.0	2.390	-23.10	63.5	S0312	.02200	9.0950	0.8	F
9007	20208.97	43 41N	81 43E	79.0	189.0	2.530	-22.05	63.5	S0312	.02200	9.2023	1.0	A
9008	20298.17	37 10N	79 56E	82.7	188.2	2.530	-28.00	67.7	S0312	.03070	8.7318	0.8	F
9009	20301.17	37 10N	79 56E	81.5	188.2	2.530	-27.65	67.8	S0312	.03070	8.9877	0.6	V
9010	20305.57	37 5N	79 52E	83.2	188.1	2.738	-28.70	67.8	S0312	.03070	8.7401	1.0	A
1571 5001	25311.57	57 7N	65 42E	78.7	192.1	2.037	15.40	52.7	S0312	.04000	9.2444	0.6	F
5002	25314.37	57 7N	65 42E	78.0	192.0	2.037	15.75	52.7	S0312	.04000	9.4260	0.4	V
5003	25334.97	55 29N	65 19E	83.2	191.6	2.037	23.45	54.2	S0312	.03080	8.7574	1.0	F
5004	25340.97	55 29N	65 20E	83.8	191.5	1.826	24.50	54.2	S0312	.03080	8.6749	1.0	A
5005	25590.57	38 14N	58 9E	81.5	188.3	2.530	-25.20	67.1	S0312	.03080	8.8730	0.4	F
5006	25597.57	37 55N	58 23E	76.0	188.3	2.738	-15.05	67.5	S0312	.03080	9.6571	0.4	V
5007	25600.37	37 55N	58 23E	76.9	188.2	2.738	-14.70	67.5	S0312	.03080	9.4673	0.4	A
9001	25462.57	46 53N	61 38E	76.9	189.6	2.530	11.20	61.4	S0312	.03070	9.4664	1.0	F
9002	25468.17	46 52N	61 37E	77.1	189.5	2.390	11.90	61.4	S0312	.03070	9.4003	1.0	A
1572 5001	30375.57	73 25N	54 50E	80.7	203.4	0.787	-16.45	37.1	S0312	.04000	8.9720	1.0	F
5002	30381.37	73 25N	54 48E	80.7	202.9	0.995	-16.80	37.1	S0312	.04000	9.0050	1.0	A
5003	30410.77	70 52N	54 10E	81.9	200.5	1.135	18.20	39.7	S0312	.04000	8.8812	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1572	5004	30416.77	70 51N	54 10E	82.0	200.1	1.135	18.55	39.7	SO312	.04000	8.8647	1.0	A
	5005	30605.97	58 10N	42 7E	84.2	192.4	1.484	-28.35	51.4	SO312	.03080	8.5841	2.0	F
	5006	30608.97	57 58N	42 2E	84.2	192.3	1.484	-28.35	51.6	SO312	.03080	8.5841	0.4	F
	5007	30612.97	57 53N	42 12E	80.3	192.2	1.690	-24.15	51.7	SO312	.04000	9.1371	0.6	V
	5008	30615.97	57 52N	42 11E	81.3	192.2	1.690	-24.15	51.7	SO312	.03080	8.9638	1.4	A
	5009	30672.97	53 29N	41 44E	76.1	191.0	2.181	8.75	55.8	SO312	.04000	9.5581	0.8	F
	5010	30678.37	53 29N	41 45E	76.3	190.9	2.181	9.45	55.8	SO312	.03080	9.5168	1.0	A
	5011	30934.97	35 38N	35 47E	77.0	188.0	2.881	-14.00	68.9	SO312	.04000	9.4095	0.6	F
	5012	30940.37	35 39N	35 47E	77.0	188.0	2.881	-13.30	68.9	SO312	.04000	9.4425	0.8	A
	9001	30325.77	76 16N	62 45E	79.8	209.0	0.787	9.10	34.2	SO312	.05390	9.0867	1.2	F
	9002	30331.57	76 15N	62 44E	79.7	208.3	0.787	9.45	34.2	SO312	.05390	9.0950	1.4	A
	9003	30573.97	60 25N	44 17E	74.6	193.2	1.690	-5.60	49.5	SO312	.04070	9.6460	1.0	V
	9004	30629.37	56 17N	43 54E	86.6	191.9	2.037	29.75	53.5	SO312	.03070	8.2202	0.8	F
	9005	30635.77	56 17N	43 55E	89.3	191.7	1.826	30.80	53.5	SO312	.03070	8.1211	0.8	A
	9006	30643.77	55 27N	42 31E	76.0	191.6	2.181	7.70	54.1	SO312	.04070	9.5571	0.6	F
	9007	30648.97	55 30N	42 20E	75.2	191.5	2.037	3.50	54.0	SO312	.04070	9.6562	1.2	A
	9008	30657.57	55 1N	41 16E	78.0	191.3	2.037	-18.55	54.3	SO312	.03070	9.3178	0.8	A
	9009	30685.57	52 47N	41 38E	76.6	190.8	2.181	13.30	56.5	SO312	.03070	9.5819	0.8	V
	9010	30689.37	52 32N	41 29E	76.1	190.7	2.181	11.90	56.7	SO312	.03070	9.6479	0.8	V
	9011	30692.37	52 31N	41 28E	77.1	190.7	2.181	12.25	56.7	SO312	.03070	9.3921	0.8	A
	9012	30707.77	51 6N	40 51E	76.0	190.4	2.390	8.75	57.8	SO312	.03070	9.5654	1.0	F
	9013	30713.17	51 7N	40 51E	76.3	190.4	2.181	9.80	57.9	SO312	.03070	9.5159	1.2	A
	9014	30740.17	49 0N	39 8E	78.3	190.0	2.181	-19.95	59.3	SO312	.03070	9.2353	1.0	F
	9015	30743.17	48 59N	39 8E	77.3	189.9	2.181	-19.60	59.3	SO312	.03070	9.4911	0.8	V
	9016	30747.97	48 29N	38 48E	80.6	189.9	2.181	-24.50	59.7	SO312	.03070	8.9629	0.8	F
	9017	30752.97	48 21N	38 32E	83.2	189.8	2.181	-29.75	59.7	SO312	.03070	8.8061	0.8	V
	9018	30765.97	47 19N	39 39E	76.0	189.6	2.390	11.55	61.0	SO312	.03070	9.6644	0.6	V
	9019	30768.77	47 19N	39 39E	77.0	189.6	2.390	11.90	61.0	SO312	.03070	9.4086	0.6	A
	9020	30798.37	45 1N	38 1E	77.7	189.2	2.390	-18.20	62.5	SO312	.03070	9.3261	1.0	F
	9021	30803.97	45 1N	38 1E	77.4	189.2	2.530	-17.50	62.5	SO312	.03070	9.3921	1.0	A
	9022	30809.57	44 37N	37 60E	76.5	189.1	2.530	-14.70	62.8	SO312	.04070	9.4994	1.0	A
	9023	30958.17	34 1N	35 39E	75.9	187.9	2.881	-5.60	69.9	SO312	.04070	9.5489	0.6	F
	9024	30963.57	34 1N	35 39E	76.0	187.8	2.881	-4.55	69.9	SO312	.04070	9.5489	0.6	A
	9025	30972.37	33 10N	35 60E	79.0	187.8	2.738	15.05	70.7	SO312	.03070	9.2931	0.6	V
	9026	30975.17	33 10N	35 60E	80.1	187.8	2.738	15.40	70.7	SO312	.03070	9.0290	0.8	A
	9027	30984.77	32 13N	34 49E	80.2	187.7	2.881	-21.00	70.4	SO312	.03070	9.0124	0.6	F
	9028	30987.37	32 14N	34 49E	79.2	187.7	2.881	-20.65	70.4	SO312	.03070	9.2600	0.8	V
	9029	30991.77	31 56N	34 48E	78.5	187.7	2.881	-18.90	70.6	SO312	.03070	9.3426	0.8	V
	9030	30999.97	31 9N	34 56E	76.8	187.6	3.092	-8.75	71.1	SO312	.02200	9.4416	1.0	F
	9031	31002.97	31 8N	34 56E	75.9	187.6	3.092	-8.40	71.1	SO312	.02200	9.6644	0.6	V
	9032	31005.77	31 8N	34 55E	76.5	187.6	3.092	-8.05	71.1	SO312	.02200	9.4746	0.6	A
	9033	31107.37	24 1N	32 50E	88.1	187.1	2.881	-31.15	72.0	SO312	.01650	8.3027	1.2	V
	9034	31110.77	24 0N	32 50E	88.7	187.1	3.092	-30.80	72.0	SO312	.01650	8.1871	1.2	A
1573	5001	35734.17	69 40N	31 24E	87.8	199.4	1.338	27.30	40.9	SO312	.04000	8.2787	0.8	F
	5002	35737.17	69 41N	31 24E	87.0	199.2	1.135	27.65	40.9	SO312	.04000	8.4603	1.0	V
	5003	36030.97	50 19N	18 41E	78.5	190.2	2.181	15.75	58.6	SO312	.03080	9.2527	0.8	A
	5004	36097.97	45 28N	16 19E	75.1	189.3	2.530	-9.80	62.2	SO312	.03080	9.6571	0.8	F
	5005	36100.77	45 27N	16 18E	74.3	189.3	2.530	-9.45	62.3	SO312	.03080	9.8800	0.4	V
	5006	36103.77	45 26N	16 18E	75.1	189.3	2.530	-9.10	62.3	SO312	.03080	9.6819	0.4	A
	5007	36127.57	43 32N	16 26E	76.6	189.0	2.530	12.60	64.0	SO312	.04000	9.5993	0.6	V
	5008	36130.37	43 33N	16 26E	77.7	189.0	2.530	12.95	64.0	SO312	.04000	9.3435	0.6	A
	9001	35551.97	80 38N	58 7E	81.5	226.1	0.636	10.85	29.0	SO312	.05390	8.8804	0.8	F
	9002	35554.97	80 38N	58 3E	80.5	225.1	0.438	10.85	29.0	SO312	.05390	9.1032	1.0	V
	9003	35740.57	69 27N	31 7E	86.6	199.0	1.135	27.30	41.1	SO312	.04070	8.4925	0.8	V
	9004	35743.77	69 27N	31 6E	87.6	198.8	1.135	27.30	41.1	SO312	.04070	8.2862	0.8	A
	9005	35920.57	57 35N	21 53E	79.8	192.2	1.826	19.60	52.2	SO312	.04070	9.2188	0.6	V
	9006	35923.37	57 35N	21 53E	80.9	192.2	1.826	19.95	52.2	SO312	.03070	8.9629	0.6	A
	9007	35933.57	56 34N	21 1E	76.8	191.9	2.037	10.50	53.1	SO312	.04070	9.4664	0.8	F
	9008	35939.17	56 34N	21 1E	77.0	191.8	2.037	11.20	53.1	SO312	.04070	9.4168	0.8	A
	9009	35956.77	54 58N	20 32E	78.8	191.4	2.037	16.10	54.6	SO312	.03070	9.2270	0.6	F
	9010	35960.37	54 43N	20 27E	78.9	191.4	2.037	16.45	54.8	SO312	.03070	9.2188	0.6	F
	9011	35965.77	54 47N	19 58E	75.3	191.3	2.181	4.55	54.6	SO312	.04070	9.6397	0.6	A
	9012	35967.37	54 40N	19 56E	75.3	191.2	2.181	4.55	54.7	SO312	.04070	9.6397	0.8	A
	9013	35976.17	53 47N	18 57E	76.0	191.1	2.037	-12.60	55.4	SO312	.03070	9.5406	1.2	F
	9014	35981.97	53 45N	18 56E	75.8	191.0	2.181	-11.90	55.4	SO312	.04070	9.5819	0.8	A
	9015	35987.37	53 3N	18 15E	79.9	190.9	2.037	-22.75	55.9	SO312	.03070	9.0537	0.6	F
	9016	35990.17	53 3N	18 16E	78.8	190.8	2.037	-22.40	55.9	SO312	.03070	9.3178	0.6	V
	9017	35995.17	52 33N	17 38E	87.4	190.7	1.826	-32.90	56.2	SO312	.03070	8.2614	0.6	F
	9018	35997.97	52 34N	17 37E	86.4	190.7	1.826	-32.90	56.2	SO312	.03070	8.4843	1.0	V
	9019	36006.37	51 43N	18 11E	75.9	190.6	2.181	-12.95	57.1	SO312	.03070	9.5489	0.6	F
	9020	36013.77	51 16N	17 28E	82.3	190.4	2.037	-26.95	57.4	SO312	.03070	8.7896	1.0	F
	9021	36016.77	51 15N	17 28E	81.2	190.4	2.037	-26.60	57.4	SO312	.03070	9.0455	1.0	V
	9022	36027.57	50 21N	18 42E	77.3	190.2	2.181	15.40	58.5	SO312	.03070	9.5076	0.4	V
	9023	36030.37	50 21N	18 42E	78.4	190.2	2.181	15.75	58.5	SO312	.03070	9.2518	0.6	A
	9024	36040.37	49 34N	17 38E	73.9	190.0	2.390	-7.70	59.0	SO312	.03070	9.9368	0.8	V
	9025	36043.37	49 33N	17 37E	74.7	190.0	2.390	-7.35	59.0	SO312	.03070	9.7140	0.6	A
	9026	36048.77	48 46N	17 49E	75.2	189.9	2.390	5.60	59.8	SO312	.03070	9.6562	0.6	F
	9027	36051.37	48 46N	17 49E	74.4	189.9	2.390	5.95	59.8	SO312	.03070	9.8708	0.6	V
	9028	36054.97	48 32N	17 41E	74.1	189.8	2.390	4.20	59.9	SO312	.03070	9.9120	0.8	V
	9029	36061.77	47 47N	18 8E	82.8	189.8	2.390	23.10	60.8	SO312	.03070	8.7979	1.0	F
	9030	36064.97	47 46N	18 7E	81.9	189.7	2.181	23.45	60.8	SO312	.03070	8.9794	0.6	V
	9031	36071.37	47 7N	17 60E	84.3	189.6	2.390	25.20	61.3	SO312	.03070	8.6411	1.0	F
	9032	36074.57	47 6N	17 59E	83.4	189.6	2.181	25.55	61.3	SO312	.03070	8.8226	0.8	V
	9033	36089.17	46 12N	16 51E	73.8	189.4	2.530	1.05	61.8	SO312	.03070	9.9533	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME STARE LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1573	9034	36091.97	46 12N	16 51E	74.7	189.4	2.530	1.40	61.8	SO312	.03070	9.7057	0.8	A
	9035	36111.57	44 35N	15 23E	83.9	189.2	2.181	-29.40	62.7	SO312	.03070	8.6081	0.6	F
	9036	36114.57	44 34N	15 23E	82.7	189.1	2.181	-29.05	62.7	SO312	.03070	8.8639	0.8	V
	9037	36283.77	32 52N	13 21E	75.2	187.8	2.881	-2.45	70.5	SO312	.03070	9.7552	0.6	V
	9038	36286.57	32 52N	13 21E	76.1	187.7	2.881	-2.10	70.5	SO312	.03070	9.5159	0.6	A
	9039	36304.57	31 27N	12 58E	75.5	187.6	3.092	-5.60	71.0	SO312	.03070	9.7140	0.8	V
	9040	36307.57	31 26N	12 57E	76.5	187.6	3.092	-5.25	71.0	SO312	.03070	9.4746	0.6	A
	9041	36373.37	26 35N	13 11E	99.0	187.3	2.181	36.75	73.4	SO312	.01650	7.4196	0.6	V
	9042	36376.97	26 35N	13 11E	100.8	187.3	2.181	37.10	73.5	SO312	.01650	7.1555	0.8	A
1574	5001	41929.37	9 33N	13 43W	86.6	186.6	3.439	-19.60	67.3	SO312	.03080	8.4273	1.2	V
	5002	41932.77	9 32N	13 43W	87.7	186.6	3.439	-19.25	67.3	SO312	.03080	8.2457	0.6	A
	5003	41943.57	8 30N	13 14W	85.0	186.6	3.232	7.00	67.2	SO312	.03080	8.5841	0.4	V
	5004	41946.77	8 30N	13 14W	86.3	186.6	3.232	7.35	67.2	SO312	.03080	8.3447	0.4	A
1575	5001	47704.17	22 47S	42 5W	116.8	187.1	3.232	-28.35	40.4	SO312	.03080	6.0914	1.0	F
	5002	47712.77	22 47S	42 5W	116.8	187.1	3.439	-27.65	40.4	SO312	.03080	6.1244	1.0	A
	9001	47563.37	12 52S	38 20W	115.6	186.7	2.390	29.05	50.4	SO312	.02200	6.1322	1.8	A
1576	5001	53346.17	45 32S	68 59W	125.1	189.3	2.530	-9.80	19.1	SO312	.04000	5.6539	1.4	F
	5002	53351.57	45 36S	69 1W	124.1	189.3	2.530	-9.45	19.1	SO312	.04000	5.7530	0.6	V
	5003	53369.57	46 31S	68 58W	125.7	189.5	2.530	-2.80	18.3	SO312	.04000	5.6044	0.8	A
	9001	52574.37	6 51N	58 9W	85.8	186.6	3.587	-10.85	65.8	SO312	.03070	8.4100	1.0	F
	9002	52577.37	6 52N	58 9W	84.9	186.6	3.587	-10.50	65.8	SO312	.03070	8.5915	1.0	V
	9003	52581.97	6 33N	58 15W	85.4	186.6	3.587	-12.25	65.5	SO312	.03070	8.5338	1.4	V
	9004	52586.57	6 1N	58 15W	86.0	186.6	3.587	-9.45	65.2	SO312	.03070	8.3852	1.4	F
	9005	52928.57	17 1S	63 38W	129.5	186.8	3.092	-42.00	45.3	SO312	.02200	5.5792	1.6	V
	9006	52938.37	17 28S	63 7W	112.0	186.8	3.439	-28.00	45.3	SO312	.03070	6.3962	1.6	A
	9007	52953.57	19 3S	63 29W	114.8	186.9	3.232	-30.10	43.8	SO312	.03070	6.1982	1.6	F
	9008	52965.17	19 23S	62 48W	103.2	186.9	3.439	-7.70	43.8	SO312	.03070	6.9079	1.4	A
	9009	52971.17	19 45S	63 11W	106.3	186.9	3.439	-17.15	43.4	SO312	.03070	6.7181	0.8	A
	9010	52999.37	21 45S	62 51W	105.9	187.0	3.092	4.90	41.9	SO312	.03070	6.7016	1.6	A
	9011	53137.17	31 24S	64 10W	120.4	187.6	2.390	19.95	33.1	SO312	.03070	5.9588	0.8	V
	9012	53141.77	31 24S	64 10W	122.6	187.6	2.390	20.30	33.1	SO312	.03070	5.7443	0.8	A
	9013	53182.77	34 10S	64 18W	135.6	187.9	1.826	29.40	30.6	SO312	.03070	5.1913	1.2	A
	9014	53322.57	43 37S	68 56W	127.0	189.0	2.738	-19.60	20.8	SO312	.04070	5.6287	0.8	V
	9015	53327.37	43 37S	68 57W	128.7	189.1	2.738	-19.25	20.8	SO312	.04070	5.4802	1.0	A
	9016	53456.97	52 58S	70 51W	130.6	190.7	2.181	1.75	12.1	SO312	.05390	5.4059	1.4	F
	9017	53459.57	53 8S	70 54W	130.7	190.8	2.181	1.75	12.0	SO312	.05390	5.3976	0.8	F
	9018	53463.57	53 5S	70 52W	129.1	190.9	2.181	2.45	12.0	SO312	.05390	5.5132	1.2	V
	9019	53468.37	53 5S	70 52W	131.1	190.9	2.181	2.80	12.1	SO312	.05390	5.3399	1.2	A
	9020	53474.77	53 33S	70 27W	135.3	191.0	1.826	11.90	11.8	SO312	.04070	5.1666	1.8	A
1577	5001	57837.17	9 35N	78 57W	91.7	186.6	3.092	20.65	68.2	SO312	.02210	7.9238	0.6	F
	5002	57840.37	9 35N	78 57W	91.2	186.6	2.881	21.35	68.2	SO312	.02210	8.0228	0.6	V
	5003	57846.97	8 59N	79 32W	84.5	186.6	3.439	2.45	67.5	SO312	.03080	8.5758	0.4	F
	5004	57849.97	8 59N	79 32W	83.8	186.6	3.439	3.15	67.5	SO312	.03080	8.7244	0.8	V
	5005	57853.17	8 58N	79 32W	85.2	186.6	3.439	3.85	67.5	SO312	.03080	8.4768	0.6	A
	5006	57865.57	7 59N	80 25W	89.9	186.6	3.439	-24.50	66.2	SO312	.03080	8.1219	0.6	V
	5007	57868.97	7 59N	80 26W	91.0	186.6	3.439	-24.15	66.2	SO312	.03080	7.9568	0.6	A
	9001	57663.57	21 40N	77 55W	84.8	187.0	3.092	-24.50	72.0	SO312	.03070	8.5255	2.8	F
	9002	57669.77	21 39N	77 55W	84.4	187.0	3.092	-23.45	72.1	SO312	.03070	8.5998	2.6	A
	9003	57679.57	20 43N	77 37W	78.4	187.0	3.232	-5.60	72.4	SO312	.04070	9.3508	0.8	V
	9004	57687.37	20 19N	77 5W	85.4	186.9	2.881	18.55	72.9	SO312	.03070	8.4430	1.0	A
	9005	58019.77	2 30S	80 23W	122.1	186.5	2.037	39.20	59.6	SO312	.02200	5.8350	1.0	A
1578	9001	62999.57	19 29N	99 14W	86.1	186.9	2.881	22.40	72.8	SO312	.03070	8.5173	0.8	V
	9002	63002.77	19 29N	99 14W	87.5	186.9	2.881	22.75	72.8	SO312	.02200	8.2367	0.8	A
	9003	63688.37	27 6S	109 24W	122.6	187.3	3.232	-29.75	36.3	SO312	.02200	5.8020	1.8	A
1579	5001	68086.97	34 15N	118 10W	84.3	187.9	2.530	24.50	70.2	SO312	.02210	8.7162	7.8	V
	9001	68086.97	34 15N	118 10W	84.2	187.9	2.530	24.50	70.2	SO312	.02200	8.7153	7.8	V
1583	5001	2595.77	56 19N	160 41E	86.6	191.8	1.826	28.70	53.3	SO312	.02210	8.5016	0.4	V
	5002	2598.97	56 19N	160 41E	88.0	191.8	1.826	29.05	53.3	SO312	.02210	8.2622	0.4	A
	5003	2640.97	53 9N	158 33E	77.0	190.9	2.181	11.20	56.0	SO312	.03080	9.4508	0.4	F
	9001	2576.17	57 39N	161 8E	83.5	192.3	1.826	25.20	52.1	SO312	.03070	8.8144	0.8	V
	9002	2579.17	57 39N	161 9E	84.7	192.2	1.826	25.55	52.1	SO312	.03070	8.5668	1.0	A
	9003	2643.97	52 56N	158 30E	77.4	190.9	2.181	12.25	56.2	SO312	.03070	9.4086	0.6	F
	9004	2647.17	52 55N	158 27E	76.2	190.8	2.181	11.20	56.2	SO312	.04070	9.6562	0.6	V
	9005	2649.97	52 55N	158 27E	77.2	190.8	2.181	11.55	56.2	SO312	.04070	9.4086	0.6	A
	9006	2655.57	52 19N	158 28E	78.7	190.7	2.181	17.50	56.8	SO312	.04070	9.3508	1.0	V
	9007	2658.77	52 18N	158 27E	79.8	190.6	2.181	17.85	56.8	SO312	.04070	9.0950	0.8	A
	9008	2677.57	50 48N	156 13E	83.4	190.3	2.037	-28.00	57.6	SO312	.04070	8.6823	0.6	F
	9009	2680.57	50 48N	156 13E	82.2	190.3	2.037	-27.65	57.6	SO312	.04070	8.9382	1.2	V
	9010	2684.17	50 45N	156 13E	82.9	190.2	2.037	-27.30	57.7	SO312	.04070	8.7814	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1584 5001	8016.57	48 35N	135 2E	80.0	189.9	2.390	18.20	59.9	SO312	.04000	9.1123	0.6	F
5002	8019.37	48 35N	135 2E	79.3	189.9	2.390	18.55	59.9	SO312	.04000	9.2774	0.6	V
5003	8052.77	46 35N	133 39E	74.8	189.4	2.530	-3.50	61.3	SO312	.03080	9.7314	0.6	A
5004	8078.17	44 46N	132 3E	87.5	189.2	2.181	-34.30	62.3	SO312	.03080	8.4025	0.6	V
5005	8082.37	44 28N	132 7E	84.0	189.1	2.181	-30.45	62.6	SO312	.02210	8.7492	0.6	V
5006	8085.37	44 28N	132 8E	84.7	189.1	2.390	-30.10	62.6	SO312	.02210	8.6089	0.6	A
5007	8088.97	44 1N	131 55E	85.9	189.0	2.181	-32.55	62.9	SO312	.02210	8.5593	0.6	V
5008	8092.17	44 1N	131 55E	86.5	189.0	2.390	-32.20	62.9	SO312	.02210	8.4273	0.6	A
9001	8024.57	48 13N	135 3E	81.1	189.8	2.181	22.05	60.3	SO312	.03070	9.0702	0.8	V
9002	8027.57	48 13N	135 3E	82.3	189.8	2.181	22.40	60.3	SO312	.03070	8.8061	1.0	A
9003	8097.57	43 12N	131 56E	82.4	189.0	2.390	-26.95	63.6	SO312	.03070	8.7731	2.0	F
9004	8104.17	43 9N	131 56E	81.9	188.9	2.530	-26.25	63.7	SO312	.03070	8.8721	1.4	A
9005	8704.77	1 31N	124 50E	94.6	186.5	3.092	19.60	62.5	SO312	.03070	7.7002	0.8	V
9006	8708.17	1 32N	124 51E	96.3	186.5	2.881	20.30	62.5	SO312	.02200	7.4361	1.0	A
1585 5001	13262.97	53 2N	114 15E	75.7	190.9	2.181	11.55	56.1	SO312	.04000	9.7231	0.6	V
5002	13265.77	53 2N	114 15E	76.7	190.8	2.181	11.90	56.1	SO312	.03080	9.4838	0.6	A
5003	13272.76	52 14N	113 30E	74.5	190.7	2.390	-1.40	56.7	SO312	.03080	9.7562	0.6	F
5004	13273.97	52 9N	113 28E	74.5	190.7	2.390	-1.40	56.7	SO312	.03080	9.7479	0.4	F
5005	13275.17	52 4N	113 26E	74.5	190.7	2.390	-1.40	56.8	SO312	.03080	9.7479	0.6	F
5006	13279.57	51 45N	113 33E	75.1	190.6	2.390	4.90	57.1	SO312	.04000	9.6901	1.0	F
5007	13496.37	36 60N	108 30E	78.4	188.2	2.738	-21.00	67.9	SO312	.03080	9.2444	1.0	F
5008	13528.16	35 5N	109 9E	81.1	187.9	2.738	19.25	69.6	SO312	.03080	8.9390	0.4	A
5009	13551.77	33 29N	108 30E	76.5	187.8	2.881	9.45	70.3	SO312	.03080	9.4838	0.6	A
5010	13592.76	30 40N	107 50E	77.4	187.6	2.881	7.70	71.5	SO312	.03080	9.3847	0.4	A
5011	13600.77	29 46N	107 19E	76.6	187.5	3.092	-5.60	71.6	SO312	.04000	9.4838	0.6	F
5012	13603.57	29 46N	107 19E	75.8	187.5	3.092	-5.25	71.6	SO312	.04000	9.6901	0.4	V
5013	13608.76	29 35N	107 30E	77.2	187.5	3.092	3.50	71.8	SO312	.04000	9.3930	0.8	A
5014	13621.36	28 33N	106 58E	75.5	187.4	3.092	-9.45	71.8	SO312	.03080	9.7149	0.4	V
5015	13628.77	28 1N	107 7E	75.9	187.4	3.092	1.40	72.2	SO312	.03080	9.6654	0.4	V
5016	13631.56	28 1N	107 8E	77.0	187.4	3.092	2.10	72.2	SO312	.03080	9.4177	0.4	A
5017	13637.16	27 16N	106 50E	76.7	187.3	3.232	-4.55	72.2	SO312	.03080	9.4673	0.6	F
5018	13639.96	27 16N	106 50E	75.9	187.3	3.232	-4.20	72.3	SO312	.03080	9.6736	0.6	V
5019	13646.16	26 39N	106 43E	76.6	187.3	3.232	-4.20	72.4	SO312	.03080	9.4838	0.4	F
5020	13647.16	26 35N	106 42E	76.8	187.3	3.232	-4.20	72.4	SO312	.03080	9.4590	0.4	F
5021	13656.17	26 14N	105 48E	88.2	187.3	2.881	-33.25	71.7	SO312	.03080	8.3200	0.6	V
5022	13659.37	26 14N	105 48E	89.1	187.2	2.881	-32.90	71.7	SO312	.02210	8.1879	0.6	A
5023	13690.56	23 56N	106 37E	82.2	187.1	2.881	14.70	73.1	SO312	.03080	8.8070	1.0	A
5024	13811.37	15 13N	104 54E	83.5	186.8	3.232	10.50	71.1	SO312	.03080	8.6914	0.6	F
5025	13814.37	15 13N	104 54E	83.0	186.8	3.232	11.20	71.1	SO312	.03080	8.8235	0.6	V
9001	13285.16	51 30N	113 52E	77.7	190.5	2.181	16.45	57.4	SO312	.03070	9.4664	0.4	V
9002	13287.76	51 31N	113 52E	78.8	190.5	2.181	16.80	57.4	SO312	.03070	9.2105	0.6	A
9003	13291.76	51 15N	113 44E	78.3	190.4	2.181	15.75	57.6	SO312	.03070	9.2600	0.6	A
9004	13441.57	40 42N	109 59E	74.5	188.6	2.738	-1.05	65.8	SO312	.02200	9.7552	0.8	F
9005	13446.96	40 41N	109 59E	74.6	188.6	2.738	0.00	65.8	SO312	.02200	9.7305	1.0	A
9006	13531.97	34 23N	109 8E	83.8	187.9	2.738	22.75	70.1	SO312	.03070	8.6823	1.4	F
9007	13536.37	34 18N	109 1E	81.3	187.9	2.738	20.30	70.1	SO312	.03070	9.0290	0.6	V
9008	13539.56	34 17N	109 1E	82.6	187.9	2.530	21.00	70.1	SO312	.03070	8.7566	0.4	A
9009	13545.57	33 53N	108 48E	79.3	187.8	2.738	16.80	70.2	SO312	.03070	9.1197	0.8	A
9010	13698.96	23 21N	106 36E	83.6	187.1	2.881	17.85	73.1	SO312	.03070	8.6328	0.6	A
9011	13722.37	21 24N	105 37E	79.0	187.0	3.232	-6.65	72.4	SO312	.03070	9.1610	1.0	F
9012	13727.97	21 24N	105 37E	79.1	187.0	3.439	-5.95	72.5	SO312	.03070	9.1445	1.0	A
9013	13733.37	20 39N	105 18E	80.5	187.0	3.232	-14.00	72.2	SO312	.03070	8.9794	1.0	F
9014	13736.37	20 39N	105 17E	79.6	187.0	3.232	-13.65	72.2	SO312	.03070	9.2023	0.8	V
9015	13743.36	19 56N	105 29E	79.5	186.9	3.232	-1.05	72.3	SO312	.02200	9.1197	0.8	F
9016	13746.17	19 56N	105 29E	78.7	186.9	3.232	-0.70	72.3	SO312	.02200	9.3178	0.8	V
9017	13792.77	16 43N	105 1E	80.6	186.8	3.232	5.25	71.5	SO312	.02200	9.0867	0.8	V
9018	13795.77	16 43N	105 1E	81.7	186.8	3.232	5.60	71.6	SO312	.02200	8.8309	1.0	A
9019	13841.16	13 27N	103 50E	84.2	186.7	3.439	-18.90	69.6	SO312	.02200	8.6823	1.0	V
9020	13844.37	13 27N	103 49E	85.2	186.7	3.439	-18.55	69.6	SO312	.02200	8.4925	1.0	A
9021	13878.16	10 41N	103 31E	84.2	186.6	3.439	-12.25	68.2	SO312	.03070	8.5750	0.8	F
9022	13885.96	10 4N	104 3E	87.2	186.6	3.232	13.30	68.4	SO312	.02200	8.3192	1.2	F
9023	13889.16	10 3N	104 2E	86.5	186.6	3.232	13.65	68.4	SO312	.02200	8.4512	1.2	V
1586 5001	19068.76	18 46N	82 50E	80.8	186.9	3.232	-13.65	71.8	SO312	.03080	8.9473	0.6	F
5002	19074.56	18 46N	82 50E	80.9	186.9	3.439	-12.95	71.8	SO312	.03080	8.9720	0.6	A
5003	19216.36	8 34N	81 14E	84.3	186.6	3.439	-3.85	67.1	SO312	.04000	8.5841	0.6	F
5004	19219.36	8 34N	81 14E	83.5	186.6	3.439	-3.50	67.1	SO312	.04000	8.7492	0.6	V
9001	18410.76	63 4HN	97 34E	76.8	194.9	1.484	9.80	46.3	SO312	.04070	9.5737	0.8	V
9002	18413.76	63 48N	97 34E	77.7	194.8	1.484	10.15	46.3	SO312	.04070	9.3343	0.6	A
9003	18500.56	57 54N	93 8E	76.5	192.3	1.826	-14.70	51.6	SO312	.03070	9.5984	0.6	V
9004	18503.36	57 54N	93 8E	77.2	192.2	1.826	-14.35	51.6	SO312	.03070	9.4086	0.6	A
9005	18517.76	56 24N	93 42E	78.4	191.9	2.037	14.35	53.1	SO312	.03070	9.2765	1.0	F
9006	18520.76	56 24N	93 42E	77.6	191.8	2.037	14.70	53.1	SO312	.04070	9.4746	0.8	V
9007	18526.76	56 3N	93 0E	74.4	191.7	2.037	1.75	53.3	SO312	.04070	9.8708	0.8	V
9008	18529.76	56 2N	92 60E	75.3	191.6	2.037	2.10	53.4	SO312	.04070	9.6397	0.6	A
9009	18699.16	44 12N	88 0E	81.4	189.1	2.181	-25.90	62.9	SO312	.02200	8.8804	1.2	F
9010	18704.96	44 12N	88 0E	81.1	189.0	2.390	-25.55	62.9	SO312	.02200	8.9794	1.2	A
9011	18710.36	43 52N	87 41E	85.5	189.0	2.390	-31.50	63.0	SO312	.02200	8.5173	1.6	A
9012	18733.76	41 44N	88 24E	75.5	188.8	2.738	7.70	65.1	SO312	.02200	9.6232	0.8	F
9013	18736.56	41 43N	88 24E	74.8	188.7	2.738	8.05	65.1	SO312	.03070	9.8295	0.6	V
9014	18740.36	41 27N	88 24E	75.0	188.7	2.738	10.85	65.4	SO312	.02200	9.7965	0.4	V
9015	18751.76	40 47N	87 13E	78.7	188.6	2.530	-22.75	65.4	SO312	.03070	9.3426	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1586 9016	18754.56	40 47N	87 13E	79.5	188.6	2.530	-22.40	65.4	SO312	.03070	9.1693	1.0	A
1587 9001	23852.36	54 55N	69 18E	81.1	191.3	1.826	-25.55	54.1	SO312	.03070	9.0372	0.6	V
9002	23855.36	54 55N	69 18E	81.9	191.3	2.037	-25.55	54.1	SO312	.03070	8.8804	0.6	A
9003	23912.56	50 34N	68 21E	75.5	190.3	2.181	-10.50	58.0	SO312	.03070	9.5984	1.2	F
9004	23917.96	50 34N	68 21E	75.4	190.2	2.390	-10.15	58.0	SO312	.03070	9.6397	1.2	A
9005	24000.56	44 35N	66 16E	77.7	189.2	2.390	-18.20	62.7	SO312	.02200	9.3178	1.2	F
9006	24006.36	44 33N	66 16E	77.4	189.1	2.530	-17.50	62.7	SO312	.02200	9.3838	0.8	A
9007	24064.76	40 9N	65 21E	75.7	188.5	2.738	-10.50	66.0	SO312	.02200	9.5819	1.0	F
9008	24070.16	40 9N	65 21E	75.6	188.5	2.738	-9.80	66.0	SO312	.02200	9.6067	1.0	A
9009	24081.96	39 1N	64 32E	83.0	188.4	2.390	-27.30	66.5	SO312	.02200	8.7071	1.0	F
9010	24087.76	39 1N	64 33E	82.3	188.3	2.530	-26.25	66.5	SO312	.02200	8.8309	1.4	A
1588 5001	29029.56	63 37N	53 42E	81.3	194.7	1.484	18.90	46.5	SO312	.04000	8.9473	1.2	A
5002	29091.76	59 15N	49 19E	79.4	192.8	1.690	-19.95	50.3	SO312	.04000	9.1289	0.8	F
5003	29097.16	59 13N	49 48E	76.0	192.7	1.826	-8.75	50.4	SO312	.04000	9.5828	0.6	A
5004	29102.36	58 40N	49 38E	74.7	192.6	1.826	-6.65	50.9	SO312	.04000	9.8304	0.6	V
5005	29105.16	58 40N	49 38E	75.6	192.5	1.826	-6.30	50.9	SO312	.04000	9.6324	0.4	A
9001	29074.16	60 27N	49 47E	80.9	193.3	1.484	-22.05	49.2	SO312	.03070	8.9382	0.8	F
9002	29079.96	60 27N	49 48E	80.6	193.1	1.690	-21.70	49.2	SO312	.03070	9.0290	1.0	A
9003	29124.16	57 2N	48 38E	76.6	192.0	1.826	-12.60	52.4	SO312	.04070	9.4664	2.4	F
9004	29128.56	56 44N	48 30E	76.6	191.9	1.826	-12.95	52.6	SO312	.04070	9.4581	0.6	F
9005	29131.16	56 44N	48 30E	75.6	191.9	1.826	-12.60	52.6	SO312	.04070	9.7140	1.2	V
9006	29139.16	55 54N	49 9E	77.5	191.7	2.037	11.90	53.5	SO312	.04070	9.3838	0.8	F
9007	29141.96	55 54N	49 9E	76.7	191.7	2.037	12.25	53.5	SO312	.04070	9.5819	1.6	V
9008	29145.76	55 50N	49 7E	77.6	191.6	2.037	12.60	53.6	SO312	.03070	9.3508	0.6	A
9009	29163.76	54 26N	48 21E	75.2	191.2	2.181	7.70	54.8	SO312	.04070	9.7717	0.6	V
9010	29166.56	54 26N	48 21E	76.2	191.2	2.181	8.05	54.8	SO312	.04070	9.5324	0.6	A
9011	29176.76	53 16N	48 34E	83.9	191.0	2.181	24.15	55.9	SO312	.03070	8.6906	1.2	F
9012	29179.96	53 15N	48 34E	83.2	190.9	2.181	24.50	56.0	SO312	.03070	8.8556	1.0	V
9013	29183.76	53 12N	48 36E	85.2	190.9	2.181	25.90	56.0	SO312	.03070	8.5173	0.8	A
9014	29194.96	52 10N	47 16E	75.0	190.7	2.390	2.10	56.7	SO312	.03070	9.6809	2.4	F
9015	29200.56	52 9N	47 16E	75.1	190.6	2.390	2.80	56.7	SO312	.03070	9.6644	2.2	A
9016	29209.76	51 26N	46 4E	79.2	190.4	2.037	-22.75	57.1	SO312	.03070	9.2683	0.8	V
9017	29212.76	51 26N	46 4E	80.0	190.4	2.037	-22.40	57.1	SO312	.03070	9.0950	0.6	A
9018	29227.76	50 15N	45 14E	86.6	190.2	1.826	-32.90	58.0	SO312	.03070	8.4595	1.2	V
9019	29231.16	50 14N	45 14E	87.4	190.1	2.037	-32.90	58.0	SO312	.03070	8.3274	1.0	A
9020	29244.36	48 50N	45 50E	75.0	189.9	2.390	-5.95	59.4	SO312	.03070	9.6727	1.4	F
9021	29249.76	48 49N	45 50E	74.9	189.9	2.390	-5.25	59.4	SO312	.03070	9.6974	1.4	A
9022	29284.76	46 20N	44 13E	83.6	189.4	2.181	-29.75	61.2	SO312	.03070	8.7731	0.8	V
9023	29315.36	43 56N	44 41E	75.4	189.1	2.738	4.20	63.4	SO312	.02200	9.6397	0.6	F
9024	29318.16	43 56N	44 41E	74.6	189.1	2.530	4.55	63.4	SO312	.02200	9.8543	0.4	V
9025	29325.96	43 29N	43 41E	79.2	189.0	2.390	-23.45	63.4	SO312	.03070	9.2683	0.6	V
9026	29328.76	43 30N	43 41E	79.9	188.9	2.390	-23.10	63.4	SO312	.03070	9.1032	0.8	A
9027	29344.56	41 50N	44 49E	85.4	188.8	2.530	25.90	65.3	SO312	.03070	8.5173	1.8	F
9028	29349.56	41 41N	44 53E	87.3	188.7	2.530	29.05	65.4	SO312	.01650	8.4017	0.6	V
9029	29352.76	41 41N	44 53E	88.7	188.7	2.181	29.75	65.5	SO312	.01650	8.1376	0.6	A
9030	29359.16	40 50N	44 31E	84.3	188.7	2.390	25.55	66.0	SO312	.03070	8.6493	1.0	F
9031	29362.16	40 50N	44 30E	83.3	188.6	2.390	25.20	66.0	SO312	.03070	8.8309	0.6	V
9032	29364.96	40 51N	44 30E	84.6	188.6	2.390	25.55	66.0	SO312	.03070	8.5585	0.8	A
9033	29370.16	40 16N	44 33E	88.7	188.6	2.390	30.80	66.5	SO312	.03070	8.2862	1.8	V
9034	29374.56	40 11N	44 33E	90.3	188.5	2.181	31.50	66.6	SO312	.03070	8.0221	0.6	A
9035	29454.76	34 28N	41 5E	91.0	187.9	2.390	-35.70	68.9	SO312	.02200	7.9313	5.4	F
9036	29463.36	34 19N	41 8E	88.0	187.9	2.738	-32.90	69.1	SO312	.03070	8.2697	4.4	A
9037	30337.56	25 43S	29 29E	127.9	187.2	3.092	-36.40	37.6	SO312	.03070	5.6370	1.0	V
9038	30342.36	25 43S	29 30E	128.8	187.3	3.092	-35.70	37.6	SO312	.03070	5.5462	1.2	A
1589 5001	34376.36	60 28N	29 44E	81.7	193.4	1.826	20.30	49.4	SO312	.04000	8.9143	0.6	F
5002	34379.16	60 29N	29 45E	81.0	193.3	1.826	20.65	49.4	SO312	.04000	9.0876	0.6	V
5003	34461.56	54 58N	26 38E	76.5	191.4	2.037	12.25	54.3	SO312	.04000	9.6076	0.6	V
5004	34509.56	52 7N	23 41E	88.4	190.5	2.037	-33.95	56.4	SO312	.03080	8.2374	0.4	A
5005	34519.16	50 57N	24 27E	74.9	190.4	2.390	-5.60	57.7	SO312	.03080	9.6984	0.6	F
5006	34521.96	50 56N	24 27E	74.1	190.3	2.181	-5.25	57.7	SO312	.04000	9.9212	0.4	V
5007	34525.96	50 28N	24 21E	74.7	190.3	2.390	-3.85	58.1	SO312	.03080	9.7314	0.6	F
5008	34529.96	50 22N	24 27E	73.9	190.2	2.390	0.35	58.2	SO312	.04000	9.9377	0.6	V
5009	34532.76	50 22N	24 27E	74.9	190.2	2.390	0.70	58.2	SO312	.03080	9.7149	0.6	A
9001	34248.56	69 14N	33 31E	83.7	198.6	0.995	-23.80	41.0	SO312	.04070	8.6493	1.0	F
9002	34251.56	69 14N	33 30E	82.7	198.5	0.995	-23.80	41.0	SO312	.04070	8.8804	1.0	V
9003	34254.16	69 4N	33 21E	82.6	198.3	0.995	-23.80	41.2	SO312	.03070	8.8804	1.2	V
9004	34257.56	69 3N	33 19E	83.5	198.1	0.995	-23.80	41.2	SO312	.03070	8.6988	0.8	A
9005	34265.76	68 9N	33 57E	75.8	197.7	1.338	-2.80	42.1	SO312	.04070	9.6892	0.8	V
9006	34268.76	68 8N	33 55E	76.6	197.5	1.338	-2.80	42.1	SO312	.04070	9.4746	0.6	A
9007	34272.76	67 29N	33 37E	76.7	197.3	1.338	1.40	42.8	SO312	.03070	9.4581	0.8	F
9008	34277.96	67 30N	33 38E	76.7	197.1	1.338	1.75	42.7	SO312	.03070	9.4664	1.0	A
9009	34286.16	66 38N	34 16E	83.6	196.7	1.484	23.45	43.6	SO312	.05390	8.7896	1.2	V
9010	34289.56	66 36N	34 16E	84.8	196.5	1.484	23.80	43.7	SO312	.05390	8.5585	1.0	A
9011	34384.76	59 57N	29 6E	78.3	193.2	1.826	13.30	49.9	SO312	.04070	9.2848	1.8	F
9012	34390.36	59 57N	29 6E	78.6	193.0	1.826	14.00	49.9	SO312	.04070	9.2353	1.8	A
9013	34399.36	59 21N	28 39E	77.4	192.8	1.826	11.20	50.4	SO312	.04070	9.3756	0.6	A
9014	34409.56	58 26N	26 47E	79.9	192.5	1.690	-21.00	51.0	SO312	.04070	9.0620	0.8	F
9015	34412.36	58 26N	26 47E	78.8	192.5	1.690	-20.65	51.0	SO312	.04070	9.3178	0.8	V
9016	34424.96	57 21N	28 28E	86.0	192.2	1.826	28.00	52.3	SO312	.03070	8.5585	1.0	V
9017	34428.16	57 21N	28 28E	87.3	192.1	1.826	28.35	52.3	SO312	.03070	8.3109	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1589 9018	34444.36	55 59N	26 41E	75.3	191.7	2.037	2.10	53.4	SO312	.04070	9.6479	1.0	F
9019	34449.76	55 59N	26 41E	75.3	191.6	2.037	2.80	53.4	SO312	.04070	9.6397	1.0	A
9020	34454.76	55 39N	26 35E	75.4	191.5	2.037	3.85	53.7	SO312	.04070	9.6232	1.0	A
9021	34466.76	54 21N	26 54E	83.5	191.3	2.037	23.80	55.0	SO312	.03070	8.7153	0.6	F
9022	34472.56	54 22N	26 55E	84.1	191.2	1.826	24.85	55.0	SO312	.03070	8.6246	0.8	A
9023	34478.16	53 32N	26 53E	89.2	191.1	2.037	30.45	55.8	SO312	.03070	8.1706	0.8	F
9024	34481.56	53 30N	26 53E	88.6	191.0	1.826	31.15	55.8	SO312	.03070	8.3027	0.6	V
9025	34492.16	53 8N	25 21E	74.9	190.8	2.181	-2.10	55.8	SO312	.04070	9.6974	1.2	A
9026	34497.76	52 36N	24 53E	74.6	190.7	2.181	-9.45	56.2	SO312	.04070	9.8543	0.8	V
9027	34500.76	52 35N	24 53E	75.4	190.7	2.181	-9.10	56.3	SO312	.03070	9.6479	0.6	A
9028	34537.56	49 52N	24 8E	73.8	190.1	2.390	-3.85	58.6	SO312	.04070	9.9615	0.6	V
9029	34541.16	49 37N	23 59E	73.9	190.1	2.390	-5.95	58.8	SO312	.03070	9.9368	0.6	V
9030	34543.96	49 37N	23 59E	74.8	190.0	2.390	-5.60	58.8	SO312	.03070	9.7140	0.6	A
9031	34548.76	19 4N	24 6E	74.1	190.0	2.390	2.80	59.3	SO312	.03070	9.9285	0.6	V
9032	34551.56	49 4N	24 6E	75.0	189.9	2.390	3.15	59.3	SO312	.03070	9.6809	0.4	A
9033	34559.36	48 13N	23 19E	75.9	189.8	2.390	-12.60	59.9	SO312	.03070	9.5489	0.8	F
9034	34565.96	48 11N	23 2E	78.3	189.7	2.390	-19.60	59.8	SO312	.03070	9.2848	0.8	A
9035	34581.76	46 33N	23 54E	81.1	189.5	2.390	20.30	61.5	SO312	.03070	8.9794	1.2	F
9036	34584.96	46 32N	23 54E	80.4	189.5	2.390	20.65	61.6	SO312	.03070	9.1445	0.8	V
9037	34591.56	45 58N	23 7E	74.7	189.4	2.530	2.45	61.8	SO312	.03070	9.7222	0.6	F
9038	34599.96	45 28N	22 16E	78.3	189.3	2.390	-19.60	62.0	SO312	.03070	9.2518	1.0	F
9039	34602.96	45 27N	22 15E	77.2	189.3	2.390	-19.25	62.0	SO312	.03070	9.5076	0.8	V
9040	34615.36	44 16N	23 9E	80.5	189.1	2.530	18.90	63.3	SO312	.03070	9.0290	0.8	F
9041	34618.16	44 16N	23 9E	79.8	189.1	2.530	19.25	63.3	SO312	.03070	9.1940	0.8	V
9042	34624.56	43 35N	23 18E	87.1	189.0	2.390	28.00	64.0	SO312	.01650	8.3687	1.0	F
9043	34627.76	43 35N	23 16E	85.9	189.0	2.181	28.00	64.0	SO312	.01650	8.5338	0.8	V
9044	34632.76	43 5N	22 47E	79.9	189.0	2.390	18.55	64.2	SO312	.03070	9.1197	1.0	F
9045	34638.76	42 48N	23 14E	90.3	188.9	2.181	32.55	64.7	SO312	.03070	8.1541	1.0	V
9046	34642.16	42 48N	23 14E	91.8	188.9	2.181	32.90	64.7	SO312	.03070	7.8900	1.0	A
9047	34653.56	41 45N	21 46E	74.9	188.8	2.738	-2.80	64.9	SO312	.03070	9.6974	0.6	F
9048	34656.16	41 45N	21 46E	74.1	188.7	2.738	-2.45	65.0	SO312	.03070	9.9203	0.6	V
9049	34665.16	41 13N	20 45E	83.6	188.7	2.390	-30.10	64.9	SO312	.01650	8.7731	1.0	V
9050	34668.36	41 13N	20 45E	84.4	188.6	2.390	-29.75	64.9	SO312	.01650	8.6246	0.8	A
9051	34679.36	40 16N	20 22E	87.4	188.5	2.390	-33.95	65.5	SO312	.03070	8.4017	0.6	V
9052	34682.56	40 16N	20 22E	88.1	188.5	2.390	-33.60	65.5	SO312	.03070	8.2614	0.6	A
9053	34792.16	32 7N	20 13E	85.7	187.7	2.738	24.15	71.2	SO312	.03070	8.4925	0.8	F
9054	34798.36	32 7N	20 14E	86.5	187.7	2.530	25.20	71.2	SO312	.03070	8.3522	0.8	A
9055	35336.76	5 12S	12 11E	94.5	186.5	3.587	-15.75	56.4	SO312	.03070	7.6012	1.2	F
9056	35340.16	5 12S	12 10E	93.5	186.5	3.587	-15.40	56.4	SO312	.03070	7.7745	1.2	V
9057	35346.36	5 39S	12 16E	92.2	186.6	3.587	-9.45	56.2	SO312	.03070	7.8735	1.0	V
9058	35349.96	5 39S	12 16E	93.4	186.6	3.587	-8.75	56.2	SO312	.03070	7.6755	0.8	A
9059	35386.76	8 52S	13 10E	122.7	186.6	2.390	36.40	54.2	SO312	.02200	5.8763	1.0	F
9060	35391.16	8 52S	13 10E	122.5	186.6	2.181	37.10	54.2	SO312	.02200	5.9258	1.2	V
1590 9001	39858.76	48 39N	2 41E	83.7	189.9	2.181	25.55	59.9	SO312	.03070	8.7896	0.6	V
9002	39861.76	48 39N	2 41E	85.0	189.9	2.181	25.90	59.9	SO312	.03070	8.5338	0.8	A
9003	40063.36	34 40N	1 20W	83.3	187.9	2.530	24.80	69.9	SO312	.03070	8.8144	0.8	V
9004	40066.36	34 40N	1 20W	84.6	187.9	2.530	24.15	69.9	SO312	.03070	8.5420	1.0	A
1592 9001	51101.96	4 59N	52 20W	88.1	186.5	3.587	-16.10	64.5	SO312	.03070	8.1871	0.6	F
9002	51103.36	4 58N	52 21W	88.2	186.5	3.587	-16.10	64.4	SO312	.03070	8.1706	1.6	F
9003	51500.16	22 9S	55 56W	116.4	187.8	2.530	24.85	42.0	SO312	.03070	6.1982	1.0	V
9004	51506.76	22 35S	56 1W	116.7	187.1	2.530	24.50	41.6	SO312	.03070	6.1817	1.6	V
9005	51515.96	23 27S	56 42W	110.8	187.1	2.881	14.70	40.6	SO312	.03070	6.4870	1.0	F
9006	51524.16	23 22S	57 26W	107.0	187.1	3.439	-11.55	40.3	SO312	.03070	6.6521	0.6	A
9007	51543.56	25 14S	57 35W	106.9	187.2	3.232	-5.95	38.6	SO312	.03070	6.6851	1.4	F
9008	51547.96	25 16S	57 36W	106.0	187.2	3.232	-5.60	38.6	SO312	.03070	6.8089	0.8	V
9009	51557.76	25 45S	56 27W	125.7	187.2	2.181	28.35	38.7	SO312	.03070	5.6205	0.6	A
9010	51568.96	26 24S	57 56W	108.8	187.3	3.439	-8.40	37.5	SO312	.03070	6.5283	1.0	A
9011	51575.96	26 50S	58 17W	111.3	187.3	3.439	-15.40	37.0	SO312	.03070	6.3962	1.0	A
9012	51617.16	29 43S	57 58W	114.1	187.5	2.738	10.15	34.7	SO312	.03070	6.1982	1.6	A
9013	51657.76	32 50S	60 46W	142.0	187.7	2.738	-34.20	30.9	SO312	.03070	4.9932	1.8	F
9014	51679.16	34 32S	58 30W	124.5	187.9	2.530	20.30	30.3	SO312	.03070	5.7360	0.8	F
9015	51683.76	34 32S	58 30W	123.7	187.9	2.530	20.65	30.3	SO312	.03070	5.8020	0.6	V
9016	51687.36	34 47S	58 33W	123.9	187.9	2.530	20.65	30.1	SO312	.03070	5.7938	0.8	V
9017	51691.96	34 47S	58 33W	126.2	188.0	2.181	21.35	30.1	SO312	.03070	5.5875	1.0	A
1593 5001	56319.56	10 48N	72 43W	85.4	186.6	3.232	11.55	68.9	SO312	.03080	8.5098	0.8	F
5002	56329.76	10 7N	73 1W	83.4	186.6	3.439	3.85	68.3	SO312	.03080	8.6914	0.8	F
5003	56334.96	10 11N	73 1W	83.7	186.6	3.439	4.55	68.3	SO312	.03080	8.6171	0.8	A
5004	56349.16	9 5N	73 58W	89.6	186.6	3.439	-25.20	67.0	SO312	.03080	8.1549	1.0	V
5005	56356.56	8 45N	73 43W	85.7	186.6	3.587	-13.30	67.1	SO312	.03080	8.4438	0.6	A
5006	56606.96	8 58S	75 09W	99.9	186.6	3.092	16.10	53.8	SO255	.02210	7.2222	1.0	F
5007	56613.76	9 12S	75 49W	104.4	186.6	2.881	23.10	53.7	SO255	.02210	6.9663	1.2	V
5008	56617.76	9 13S	75 54W	104.4	186.6	2.881	21.35	53.6	SO255	.02210	6.8508	1.4	A
9001	56308.96	11 34N	72 56W	82.7	186.7	3.439	-3.15	69.0	SO312	.04070	8.7484	1.0	F
9002	56311.96	11 34N	72 56W	81.9	186.7	3.439	-2.80	69.0	SO312	.04070	8.9299	1.2	V
9003	56409.36	4 39N	74 4W	85.0	186.5	3.439	0.35	64.6	SO312	.03070	8.5173	1.0	F
9004	56412.36	4 39N	74 4W	84.2	186.5	3.439	0.70	64.6	SO312	.03070	8.6741	1.0	V
9005	56419.36	4 14N	74 38W	88.5	186.5	3.587	-18.55	63.9	SO312	.03070	8.2532	0.4	V
9006	56422.36	4 15N	74 38W	89.4	186.5	3.587	-17.85	63.9	SO312	.03070	8.0634	1.0	A
9007	56479.16	0 10S	74 46W	90.1	186.5	3.439	5.95	61.0	SO312	.03070	8.0138	1.0	F
9008	56482.36	0 10S	74 46W	89.3	186.5	3.439	6.30	61.0	SO312	.04070	8.1541	1.0	V
9009	56486.36	0 12S	74 46W	90.7	186.5	3.439	6.65	61.0	SO312	.03070	7.9065	1.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1593 9010	56569.76	5 53S	76 6W	93.0	186.6	3.587	-5.95	56.1	S0312	.04070	7.7167	0.8	A
9011	56655.96	12 0S	77 8W	95.8	186.7	3.439	-4.55	50.7	S0312	.04070	7.5764	0.8	V
9012	56659.56	12 0S	77 8W	97.2	186.7	3.439	-3.85	50.8	S0312	.04070	7.3618	1.0	A
1594 9001	61521.96	18 1N	94 31W	87.3	186.8	3.232	-27.65	71.2	S0312	.03070	8.3770	0.6	V
9002	61525.16	18 1N	94 31W	88.2	186.8	3.232	-27.30	71.2	S0312	.03070	8.2119	0.8	A
1600 9001	6450.16	53 31N	141 3E	87.8	191.0	1.690	-32.90	55.1	S0312	.02200	8.2367	0.6	F
9002	6453.36	53 30N	141 3E	88.5	190.9	1.690	-32.55	55.1	S0312	.02200	8.4925	0.6	V
9003	6459.76	53 2N	141 14E	90.6	190.8	2.037	-25.20	55.6	S0312	.03070	9.1197	0.6	V
9004	6462.76	53 2N	141 14E	91.5	190.8	2.037	-25.20	55.6	S0312	.03070	8.9299	0.6	A
9005	6517.16	48 54N	140 4E	78.7	189.9	2.181	-20.65	59.1	S0312	.02200	9.1940	1.0	F
9006	6522.76	48 54N	140 3E	78.4	189.9	2.390	-20.30	59.1	S0312	.02200	9.2765	1.2	A
1601 5001	12201.95	23 10N	113 22E	97.0	187.1	2.530	33.95	73.6	S0255	.01660	7.5689	0.8	V
9001	11940.95	40 52N	117 23E	90.8	188.7	2.390	31.85	65.9	S0312	.02200	8.0386	0.8	F
9002	11948.56	40 27N	116 42E	79.3	188.6	2.738	16.10	66.0	S0312	.03070	9.1858	0.8	F
9003	11951.55	40 26N	116 41E	78.4	188.6	2.530	16.45	66.0	S0312	.03070	9.3756	0.6	V
9004	11955.75	39 56N	116 43E	82.1	188.5	2.738	21.00	66.4	S0312	.03070	8.8721	0.6	F
9005	11956.75	39 51N	116 42E	82.1	188.5	2.738	21.00	66.5	S0312	.03070	8.8721	1.0	F
9006	11961.75	39 55N	116 44E	83.0	188.5	2.530	22.40	66.5	S0312	.03070	8.7318	0.6	A
9007	11970.15	39 25N	115 50E	75.1	188.4	2.881	-3.15	66.4	S0312	.02200	9.6644	1.0	A
9008	11976.36	38 50N	115 19E	76.4	188.4	2.738	-16.45	66.6	S0312	.02200	9.6067	0.6	V
9009	11979.15	38 50N	115 19E	77.3	188.3	2.738	-16.10	66.6	S0312	.02200	9.4086	0.6	A
9010	11985.75	38 2N	114 30E	89.7	188.3	2.530	-35.35	66.8	S0312	.03070	8.0634	0.4	F
9011	11988.75	38 3N	114 30E	88.4	188.3	2.530	-35.00	66.8	S0312	.03070	8.3192	0.6	V
9012	11992.36	37 48N	114 32E	86.1	188.2	2.530	-32.55	67.0	S0312	.02200	8.5338	0.6	V
9013	11997.15	37 42N	114 25E	89.1	188.2	2.530	-34.65	67.0	S0312	.02200	8.1871	0.6	A
9014	12031.55	35 20N	113 51E	90.7	188.0	2.530	-35.70	68.3	S0312	.02200	8.0138	1.0	A
9015	12095.36	30 34N	114 18E	79.7	187.6	2.881	15.40	71.6	S0312	.04070	9.2188	0.6	V
9016	12098.35	30 34N	114 18E	80.8	187.6	2.881	15.75	71.6	S0312	.04070	8.9547	0.6	A
9017	12165.95	25 33N	112 60E	78.2	187.2	3.232	5.25	72.7	S0312	.03070	9.3013	0.8	F
9018	12173.15	25 25N	113 14E	82.2	187.2	2.881	16.80	73.0	S0312	.03070	8.7979	0.8	A
9019	12179.95	24 58N	113 0E	79.5	187.2	3.092	11.20	72.9	S0312	.03070	9.0950	0.6	A
9020	12195.15	23 27N	113 10E	89.9	187.1	2.881	26.25	73.3	S0312	.02200	8.1129	1.0	F
9021	12206.75	23 6N	113 3E	89.8	187.1	2.738	25.90	73.3	S0312	.02200	8.0221	0.6	A
9022	12229.15	21 38N	111 52E	79.1	187.0	3.439	-8.40	72.4	S0312	.03070	9.1527	0.6	A
9023	12627.35	6 9S	106 50E	94.2	186.6	3.587	-11.55	55.8	S0312	.03070	7.6342	0.8	F
9024	12630.75	6 9S	106 50E	93.1	186.6	3.587	-10.85	55.8	S0312	.03070	7.8075	0.6	V
9025	12634.15	6 9S	106 50E	94.3	186.6	3.587	-10.50	55.8	S0312	.03070	7.6012	1.2	A
1602 9001	17415.75	29 42N	91 4E	78.4	187.5	2.881	-20.30	71.2	S0312	.03070	9.2353	0.6	F
9002	17507.75	23 16N	90 40E	82.3	187.1	3.092	14.35	73.0	S0312	.03070	8.8309	0.8	F
9003	17513.55	23 16N	90 39E	82.8	187.1	3.092	15.05	73.0	S0312	.03070	8.7153	0.8	A
9004	18408.95	37 50S	77 34E	127.7	188.3	2.881	-25.20	26.5	S0312	.03070	5.6122	0.8	V
9005	18413.75	37 49S	77 33E	129.4	188.3	3.092	-25.20	26.6	S0312	.03070	5.4802	1.0	A
1603 5001	22395.55	52 26N	76 57E	91.1	190.7	1.826	32.55	56.6	S0255	.02210	7.9650	1.0	A
5002	22493.15	45 52N	73 32E	75.0	189.3	2.530	2.80	61.7	S0255	.02210	9.6901	0.6	A
5003	22577.35	39 59N	71 22E	75.3	188.5	2.738	-16.45	65.9	S0255	.02210	9.7479	0.8	V
5004	22639.55	35 48N	71 22E	80.4	188.0	2.738	19.60	69.1	S0255	.02210	9.0216	0.8	A
5005	22640.95	35 42N	71 20E	80.4	188.0	2.738	19.60	69.1	S0255	.02210	9.0133	1.0	A
9001	22139.35	69 20N	87 23E	83.7	198.9	1.135	23.10	40.8	S0312	.03070	8.7896	0.8	V
9002	22142.35	69 21N	87 24E	84.9	198.7	1.135	23.45	40.8	S0312	.03070	8.5503	0.8	A
9003	22361.15	54 22N	77 22E	83.4	191.3	2.037	23.80	54.8	S0312	.02200	8.7236	0.6	F
9004	22367.15	54 22N	77 23E	84.0	191.2	1.826	24.85	54.8	S0312	.02200	8.6328	0.6	A
9005	22395.55	52 25N	76 57E	91.1	190.7	1.826	32.55	56.6	S0312	.03070	7.9643	0.8	A
9006	22475.55	46 36N	74 27E	82.0	189.5	2.390	22.05	61.4	S0312	.02200	8.8887	0.4	F
9007	22478.55	46 36N	74 27E	81.3	189.5	2.390	22.40	61.4	S0312	.02200	9.0455	0.4	V
9008	22484.95	46 4N	73 36E	74.8	189.4	2.530	2.45	61.6	S0312	.03070	9.7140	0.4	F
9009	22487.55	46 4N	73 36E	74.0	189.4	2.530	2.80	61.6	S0312	.03070	9.9285	0.4	V
9010	22490.35	46 3N	73 36E	74.9	189.4	2.530	3.15	61.6	S0312	.03070	9.6809	0.4	A
9011	22492.95	45 53N	73 32E	74.9	189.3	2.530	2.80	61.7	S0312	.03070	9.6892	0.8	A
9012	22532.55	42 59N	72 44E	74.0	188.9	2.738	3.15	64.0	S0312	.03070	9.9203	0.4	V
9013	22535.15	42 59N	72 44E	75.0	188.9	2.738	3.50	64.0	S0312	.02200	9.6727	0.4	A
9014	22558.55	41 27N	71 43E	76.3	188.7	2.738	-16.80	64.8	S0312	.03070	9.5324	0.4	A
9015	22568.35	40 23N	71 45E	74.9	188.6	2.738	-7.35	65.7	S0312	.02200	9.6809	0.6	F
9016	22570.95	40 23N	71 45E	74.1	188.6	2.738	-7.00	65.7	S0312	.03070	9.9203	0.6	V
9017	22577.15	39 59N	71 22E	75.3	188.5	2.738	-16.45	65.9	S0312	.03070	9.7470	1.0	V
9018	22655.35	34 28N	69 7E	100.5	187.9	2.181	-43.40	68.6	S0312	.01650	7.1638	0.6	F
9019	22658.75	34 29N	69 7E	99.0	187.9	2.390	-43.40	68.6	S0312	.02200	7.4031	0.6	V
1604 5001	27595.75	59 26N	56 46E	75.8	192.9	1.826	4.55	50.1	S0255	.03080	9.5911	0.8	F
5002	27601.15	59 26N	56 46E	75.9	192.8	1.826	5.25	50.1	S0255	.03080	9.5746	1.0	A
5003	27643.95	56 17N	54 16E	78.8	191.8	1.690	-19.60	52.8	S0255	.03080	9.1784	0.6	F
5004	27872.75	40 37N	49 38E	75.5	188.6	2.738	-9.45	65.5	S0255	.02210	9.5993	0.6	F
9001	27446.95	69 47N	61 35E	90.2	198.9	0.787	-32.90	40.3	S0312	.03070	8.1459	0.6	V
9002	27450.35	69 47N	61 35E	91.0	198.7	0.995	-32.90	40.3	S0312	.03070	7.9808	0.6	A
9003	27481.95	67 7N	62 40E	80.2	197.0	1.338	17.85	43.0	S0312	.04070	9.1610	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG Nm	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1604 9004	27484.95	67 7N	62 39E	81.1	196.9	1.338	17.85	43.0	SO312	.04070	8.9464	0.8	A
9005	27585.55	60 17N	57 19E	75.3	193.2	1.826	7.00	49.3	SO312	.04070	9.7552	0.4	V
9006	27588.35	60 17N	57 19E	76.3	193.1	1.826	7.35	49.3	SO312	.04070	9.5159	0.4	A
9007	27595.75	59 26N	56 46E	75.8	192.9	1.826	4.55	50.1	SO312	.04070	9.5902	0.8	F
9008	27601.15	59 26N	56 46E	75.9	192.8	1.826	5.25	50.1	SO312	.04070	9.5737	0.8	A
9009	27618.35	57 54N	56 2E	75.8	192.4	2.037	5.25	51.5	SO312	.04070	9.5902	0.4	F
9010	27620.75	57 55N	56 2E	74.9	192.3	2.037	5.25	51.5	SO312	.03070	9.8047	0.4	V
9011	27623.35	57 56N	56 2E	75.8	192.2	2.037	5.25	51.5	SO312	.03070	9.5737	0.8	A
9012	27624.95	57 50N	55 59E	75.7	192.2	2.037	5.25	51.6	SO312	.03070	9.5902	0.4	A
9013	27626.55	57 43N	55 58E	75.6	192.2	2.037	5.25	51.7	SO312	.04070	9.5984	0.4	A
9014	27635.95	57 3N	54 9E	83.4	192.0	1.690	-28.70	52.0	SO312	.03070	8.7979	0.4	V
9015	27638.95	57 3N	54 9E	84.1	191.9	1.690	-28.35	52.0	SO312	.03070	8.6411	0.4	A
9016	27643.75	56 17N	54 16E	78.9	191.8	1.690	-19.60	52.8	SO312	.03070	9.1775	0.6	F
9017	27646.55	56 17N	54 16E	77.8	191.7	1.690	-19.25	52.8	SO312	.04070	9.4334	0.6	V
9018	27651.95	56 6N	54 16E	77.8	191.6	2.037	-17.50	52.9	SO312	.04070	9.3426	0.4	A
9019	27668.15	54 35N	55 44E	89.3	191.3	1.826	31.85	54.7	SO312	.03070	8.2449	0.4	V
9020	27671.35	54 35N	55 44E	90.7	191.2	1.826	32.20	54.7	SO312	.03070	7.9891	0.4	A
9021	27705.15	52 9N	52 4E	88.3	190.6	1.690	-33.60	56.2	SO312	.03070	8.1954	1.0	F
9022	27708.35	52 9N	52 5E	86.9	190.6	1.690	-33.25	56.2	SO312	.03070	8.4512	1.0	V
9023	27817.15	44 39N	50 19E	74.0	189.1	2.390	-21.00	62.4	SO312	.03070	9.4086	0.6	V
9024	27819.95	44 39N	50 19E	74.8	189.1	2.390	-20.65	62.4	SO312	.03070	9.2270	0.6	A
9025	27829.95	43 38N	51 17E	79.3	189.0	2.390	18.55	63.7	SO312	.03070	9.2600	1.0	V
9026	27872.75	40 37N	49 38E	75.6	188.6	2.738	-9.45	65.5	SO312	.03070	9.5984	0.6	F
9027	27878.15	40 23N	49 56E	74.7	188.6	2.738	3.50	65.8	SO312	.03070	9.8377	0.4	V
9028	27880.95	40 23N	49 56E	75.6	188.5	2.738	3.85	65.8	SO312	.03070	9.5902	0.4	A
9029	27903.35	38 44N	48 49E	78.3	188.3	2.738	-20.65	66.6	SO312	.03070	9.3838	0.6	V
9030	28021.95	30 27N	48 11E	84.9	187.6	2.738	23.80	71.6	SO312	.03070	8.6411	0.6	V
9031	28025.15	30 27N	48 11E	86.4	187.5	2.530	24.50	71.8	SO312	.03070	8.3605	0.6	A
9032	28102.95	24 43N	46 41E	81.0	187.2	3.092	12.95	72.9	SO312	.03070	8.9794	1.2	F
9033	28108.75	24 43N	46 41E	81.7	187.2	2.881	14.35	73.0	SO312	.03070	8.8474	1.2	A
9034	28243.15	15 21N	44 13E	80.8	186.8	3.439	-14.00	70.6	SO312	.03070	9.0537	0.6	V
9035	28246.15	15 21N	44 13E	81.8	186.8	3.439	-13.65	70.7	SO312	.03070	8.8391	0.6	A
9036	28263.75	13 42N	44 9E	81.4	186.7	3.439	-5.25	70.1	SO312	.01650	8.8969	0.8	F
9037	28269.55	13 43N	44 9E	81.6	186.7	3.439	-4.20	70.1	SO312	.01650	8.8474	0.8	A
9038	28323.35	9 43N	44 12E	93.4	186.6	2.738	24.85	68.6	SO312	.02200	7.8158	0.6	V
9039	28326.75	9 44N	44 12E	95.0	186.6	2.738	25.20	68.6	SO312	.02200	7.5434	0.6	A
9040	28506.55	2 55S	40 13E	111.2	186.5	3.092	-37.45	58.0	SO312	.02200	6.4375	0.6	F
9041	28510.55	2 56S	40 13E	109.7	186.5	3.092	-37.10	58.0	SO312	.02200	6.6273	0.6	V
1605 5001	32902.15	59 33N	34 11E	75.5	193.0	1.826	-7.35	49.9	SO255	.03080	9.5993	0.6	F
5002	32908.95	59 29N	33 51E	76.9	192.8	1.826	-13.65	49.9	SO255	.03080	9.4508	0.8	A
9001	32777.55	67 42N	40 59E	80.3	197.6	1.484	15.75	42.4	SO312	.04070	9.0372	0.4	F
9002	32783.35	67 42N	40 59E	80.5	197.3	1.338	16.45	42.4	SO312	.04070	9.0124	0.4	A
9003	32824.55	64 37N	39 50E	95.7	195.5	1.338	36.40	45.4	SO312	.04070	7.6755	0.8	V
9004	32828.15	64 37N	39 51E	97.5	195.3	1.135	37.10	45.4	SO312	.04070	7.4444	0.8	A
9005	32889.35	60 51N	34 13E	79.6	193.3	1.690	-20.30	48.7	SO312	.04070	9.1280	0.4	A
9006	32902.15	59 32N	34 11E	75.5	193.0	1.826	-7.35	49.9	SO312	.04070	9.5984	0.6	F
9007	32908.95	59 29N	33 51E	76.9	192.8	1.826	-13.65	49.9	SO312	.04070	9.4499	0.8	A
9008	33042.95	50 8N	30 37E	73.8	190.2	2.390	0.70	58.2	SO312	.04070	9.9533	0.4	V
9009	33048.15	49 47N	30 29E	73.8	190.1	2.390	0.35	58.5	SO312	.04070	9.9533	0.6	V
9010	33050.95	49 47N	30 29E	74.7	190.1	2.390	0.70	58.5	SO312	.03070	9.7140	0.4	A
9011	33055.35	49 6N	30 23E	75.0	190.0	2.390	3.50	59.1	SO312	.03070	9.6892	0.4	F
9012	33063.55	48 24N	31 4E	88.3	189.9	2.181	29.75	60.0	SO312	.03070	8.2367	0.4	F
9013	33064.95	48 19N	31 6E	88.3	189.9	2.181	29.75	60.1	SO312	.03070	8.2367	0.4	F
9014	33065.95	48 14N	31 5E	88.3	189.9	2.181	29.75	60.1	SO312	.03070	8.2367	0.4	F
9015	33067.35	48 8N	31 3E	88.3	189.8	2.181	29.75	60.2	SO312	.03070	8.2367	0.4	F
9016	33069.75	47 58N	31 0E	88.7	189.8	2.181	30.10	60.3	SO312	.03070	8.2037	2.0	F
9017	33075.35	47 48N	30 58E	89.1	189.7	2.181	31.50	60.5	SO312	.03070	8.2614	0.4	V
9018	33078.55	47 48N	31 0E	90.5	189.7	2.181	31.85	60.5	SO312	.03070	8.0056	0.6	A
9019	33083.95	47 4N	30 16E	80.5	189.6	2.390	19.25	60.9	SO312	.03070	9.0537	0.8	F
9020	33086.75	47 4N	30 16E	79.7	189.6	2.390	19.60	60.9	SO312	.03070	9.2188	0.8	V
9021	33092.35	46 39N	30 30E	86.7	189.5	2.181	29.05	61.4	SO312	.03070	8.4843	0.4	V
9022	33095.55	46 39N	30 30E	88.1	189.5	2.181	29.40	61.4	SO312	.03070	8.2284	0.4	A
9023	33127.55	44 11N	28 40E	74.8	189.1	2.530	-3.15	63.0	SO312	.04070	9.7140	0.8	F
9024	33130.35	44 11N	28 40E	73.9	189.1	2.530	-2.80	63.0	SO312	.04070	9.9368	0.4	V
9025	33137.35	43 35N	27 49E	80.7	189.0	2.390	-24.50	63.2	SO312	.03070	8.9629	0.4	F
9026	33140.15	43 35N	27 49E	79.6	189.0	2.390	-24.15	63.2	SO312	.03070	9.2270	0.4	V
9027	33145.15	43 13N	27 55E	76.9	188.9	2.530	-18.20	63.5	SO312	.04070	9.5406	0.6	V
9028	33147.95	43 13N	27 55E	77.7	188.9	2.530	-17.85	63.5	SO312	.04070	9.3508	0.6	A
9029	33156.55	42 26N	27 42E	77.1	188.8	2.530	-18.55	64.1	SO312	.04070	9.5241	0.4	V
9030	33159.35	42 26N	27 42E	77.9	188.8	2.530	-18.20	64.1	SO312	.04070	9.3343	0.4	A
9031	34096.55	22 5S	16 0E	105.5	187.0	3.092	7.35	41.9	SO312	.03070	6.8419	0.6	V
9032	34100.55	22 5S	15 60E	107.2	187.0	3.092	7.70	41.9	SO312	.03070	6.6191	0.6	A
1606 9001	38301.35	53 34N	9 59E	75.7	191.0	2.181	7.00	55.3	SO312	.04070	9.5819	0.6	A
9002	38440.15	44 3N	5 33E	84.5	189.1	2.181	-31.50	62.7	SO312	.03070	8.6741	0.8	V
9003	38443.15	44 4N	5 33E	85.3	189.0	2.390	-31.50	62.7	SO312	.03070	8.5338	0.8	A
9004	38452.95	43 3N	6 29E	74.6	188.9	2.530	5.25	63.9	SO312	.02200	9.8460	0.4	V
9005	38455.75	43 3N	6 29E	75.6	188.9	2.530	5.60	63.9	SO312	.02200	9.5984	0.4	A
9006	38543.55	36 44N	4 4E	80.4	188.1	2.738	-22.75	67.8	SO312	.03070	8.9959	0.6	F
9007	38546.35	36 44N	4 4E	79.3	188.1	2.738	-22.40	67.8	SO312	.03070	9.2518	0.6	V
1608 9001	50006.75	21 44S	52 7W	136.1	187.0	2.881	-42.00	41.4	SO312	.02200	5.2078	1.4	F
9002	50027.95	23 12S	49 15W	138.0	187.1	1.826	38.50	41.5	SO312	.02200	5.2161	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1608 9003	50058.95	25 22S	51 31W	107.6	187.2	3.232	-9.45	38.7	SO312	.03070	6.6273	1.0	F
9004	50075.55	25 57S	51 38W	108.4	187.3	3.232	-8.40	38.1	SO312	.03070	6.5448	1.4	A
9005	50093.75	27 9S	52 3W	110.9	187.3	3.439	-13.30	36.9	SO312	.03070	6.4045	1.0	A
9006	50123.75	29 55S	51 9W	125.1	187.5	2.390	24.50	34.9	SO312	.02200	5.7030	0.8	F
9007	50128.95	29 58S	51 10W	124.1	187.5	2.390	24.50	34.9	SO312	.03070	5.7855	1.0	V
9008	50132.95	29 55S	51 8W	126.9	187.5	2.181	25.55	34.9	SO312	.02200	5.5544	0.8	A
1609 9001	55016.95	1 9S	69 59W	108.7	186.5	3.439	-37.10	59.5	SO312	.02200	6.6191	0.8	A
9002	55038.35	2 38S	70 7W	105.3	186.5	3.439	-33.25	58.4	SO312	.02200	6.8337	1.0	A
9003	55059.35	4 9S	69 55W	95.1	186.5	3.587	-18.20	57.5	SO312	.03070	7.5434	1.4	A
9004	55173.35	12 14S	70 51W	96.2	186.7	3.439	-0.70	50.8	SO312	.03070	7.5269	1.6	V
9005	55240.35	17 1S	71 58W	101.3	186.8	3.439	-9.45	46.3	SO312	.03070	7.0565	0.8	F
9006	55250.95	17 34S	71 20W	105.4	186.8	2.881	15.05	46.2	SO312	.03070	6.6502	0.6	V
9007	55256.95	17 44S	70 50W	120.5	186.8	2.181	30.10	46.3	SO312	.02200	5.8763	0.8	A
9008	55263.95	18 13S	70 32W	134.6	186.9	1.826	38.15	46.1	SO312	.02200	5.2573	0.6	A
1610 9001	60083.95	14 25N	87 37W	90.8	186.7	2.881	23.45	71.1	SO312	.02200	8.0056	1.2	F
9002	60099.55	13 43N	89 7W	89.6	186.7	3.232	-28.70	69.6	SO312	.03070	8.1706	0.8	V
9003	60102.95	13 43N	89 7W	90.4	186.7	3.439	-28.35	69.6	SO312	.02200	8.0138	0.8	A
1611 9001	65108.75	33 39N	106 27W	75.1	187.8	2.881	1.40	69.9	SO312	.02200	9.6727	1.2	F
9002	65114.15	33 39N	106 28W	75.3	187.8	2.881	2.10	69.9	SO312	.02200	9.6232	1.2	A
1612 5001	69210.95	62 50N	40 35E	97.4	345.8	-1.672	-21.00	-3.2	SO255	.29590	7.3873	0.6	F
5002	69215.75	62 57N	40 47E	99.5	345.7	-1.462	-25.20	-3.1	SO255	.29590	7.3212	0.6	V
5003	69219.75	62 59N	40 53E	102.2	345.6	-1.462	-26.95	-3.1	SO255	.29590	7.0488	0.8	A
9001	69239.75	64 34N	39 51E	99.1	344.9	-1.462	-25.55	-1.6	SO312	.29610	7.3536	0.8	V
9002	69243.35	64 33N	39 50E	100.1	344.7	-1.462	-25.55	-1.6	SO312	.29610	7.1803	0.8	A
1616 9001	5104.15	43 27N	145 55E	78.5	189.0	2.530	17.15	63.6	SO312	.04070	9.3756	0.4	V
9002	5107.15	43 27N	145 55E	79.6	189.0	2.530	17.50	63.7	SO312	.04070	9.1115	0.4	A
1617 5001	10376.34	46 0N	122 32E	94.7	189.4	1.826	-39.55	60.9	SO255	.02210	7.6184	0.6	F
5002	10382.94	46 2N	122 28E	95.9	189.3	2.037	-40.60	60.9	SO255	.02210	7.6101	0.4	A
9001	10354.74	47 24N	124 5E	75.3	189.7	2.390	-10.50	60.2	SO312	.03070	9.6314	0.6	F
9002	10357.34	47 25N	124 5E	74.4	189.6	2.390	-10.15	60.2	SO312	.03070	9.8790	0.6	V
9003	10360.14	47 24N	124 5E	75.2	189.6	2.390	-9.80	60.2	SO312	.03070	9.6644	0.4	A
9004	10419.34	43 14N	124 26E	94.8	188.9	2.037	35.70	64.1	SO312	.02200	7.6094	1.0	A
9005	10430.34	42 8N	123 21E	78.2	188.8	2.738	14.35	64.6	SO312	.03070	9.3013	0.4	F
9006	10434.54	41 49N	123 29E	81.9	188.8	2.530	21.35	64.9	SO312	.03070	8.8969	0.6	F
9007	10437.34	41 49N	123 29E	81.2	188.8	2.530	21.70	64.9	SO312	.03070	9.0537	0.6	V
9008	10439.14	41 42N	123 27E	81.2	188.7	2.530	21.70	65.0	SO312	.02200	9.0537	1.4	V
9009	10442.94	41 39N	123 26E	82.4	188.7	2.530	22.05	65.1	SO312	.02200	8.7896	0.6	A
9010	10467.54	39 42N	121 46E	77.4	188.5	2.738	-17.15	65.9	SO312	.02200	9.3673	0.8	F
9011	10470.34	39 41N	121 46E	76.4	188.5	2.738	-16.80	65.9	SO312	.02200	9.6149	0.8	V
9012	10476.74	39 25N	121 59E	75.2	188.4	2.881	-7.00	66.2	SO312	.02200	9.6562	0.6	A
9013	10482.14	38 53N	121 29E	77.6	188.4	2.738	-19.60	66.4	SO312	.05390	9.4664	0.4	V
9014	10484.94	38 54N	121 29E	78.4	188.3	2.738	-19.25	66.4	SO312	.05390	9.2848	0.4	A
9015	10499.54	37 42N	121 7E	78.9	188.2	2.738	-22.40	67.1	SO312	.03070	9.3096	0.4	\
9016	10502.34	37 43N	121 7E	79.7	188.2	2.738	-22.05	67.1	SO312	.03070	9.1280	0.4	A
9017	10509.14	37 4N	120 48E	82.0	188.2	2.530	-27.30	67.4	SO312	.03070	8.9382	0.6	V
9018	10512.14	37 4N	120 48E	82.9	188.1	2.738	-27.30	67.4	SO312	.03070	8.7814	0.6	A
9019	10519.14	36 10N	120 42E	81.4	188.1	2.738	-24.85	68.0	SO312	.04070	8.8887	0.4	F
9020	10521.94	36 10N	120 42E	80.3	188.1	2.738	-24.50	68.0	SO312	.04070	9.1445	0.6	V
9021	10524.94	36 10N	120 42E	81.0	188.0	2.738	-24.15	68.0	SO312	.04070	8.9794	0.4	A
9022	10561.34	33 27N	120 13E	78.7	187.8	2.881	-20.65	69.5	SO312	.02200	9.3178	0.8	V
9023	10571.94	32 53N	120 20E	76.7	187.7	3.092	-11.20	70.0	SO312	.03070	9.4746	0.4	A
9024	10584.94	31 26N	121 18E	93.1	187.7	2.530	32.20	71.5	SO312	.02200	7.8488	0.6	F
9025	10588.34	31 25N	121 18E	92.4	187.6	2.530	32.55	71.5	SO312	.02200	7.9561	0.6	V
9026	10596.34	30 43N	120 41E	82.0	187.6	2.881	18.55	71.5	SO312	.02200	8.8887	0.4	F
9027	10599.34	30 43N	120 41E	81.3	187.6	2.881	18.90	71.5	SO312	.02200	9.0372	0.4	V
9028	10605.14	30 21N	120 15E	76.4	187.6	3.092	5.95	71.4	SO312	.02200	9.6067	0.6	V
9029	10608.14	30 21N	120 15E	77.4	187.5	3.092	6.30	71.4	SO312	.02200	9.3508	0.4	A
9030	10638.74	28 15N	119 45E	76.9	187.4	3.092	4.55	72.0	SO312	.03070	9.4086	0.4	A
9031	10654.74	26 50N	118 38E	84.1	187.3	2.881	-27.65	71.7	SO312	.03070	8.5915	0.4	F
9032	10664.74	26 5N	119 15E	77.5	187.3	3.232	1.05	72.5	SO312	.03070	9.3673	0.6	F
9033	10667.54	26 5N	119 15E	76.7	187.3	3.232	1.40	72.5	SO312	.03070	9.5654	0.4	V
9034	10676.14	25 26N	119 39E	84.0	187.2	2.881	21.35	73.0	SO312	.03070	8.7401	0.4	V
9035	10679.14	25 26N	119 39E	85.3	187.2	2.881	21.70	73.0	SO312	.03070	8.4678	0.6	A
9036	10689.74	24 48N	118 32E	79.7	187.2	3.232	-16.10	72.2	SO312	.03070	9.1115	0.4	A
9037	10695.14	24 26N	118 26E	80.1	187.1	3.232	-17.15	72.2	SO312	.03070	9.0620	0.6	A
9038	10889.74	10 51N	115 50E	85.8	186.6	3.439	-20.30	68.3	SO312	.03070	8.5173	1.0	V
9039	10892.94	10 51N	115 50E	86.8	186.6	3.439	-19.95	68.4	SO312	.03070	8.3357	1.0	A
9040	11152.54	7 12S	112 45E	95.0	186.6	3.587	-16.10	55.0	SO312	.04070	7.6507	0.6	V
9041	11155.94	7 11S	112 45E	96.2	186.6	3.587	-15.75	55.0	SO312	.03070	7.4609	0.6	A
1618 5001	15584.74	52 48N	103 37E	76.4	190.8	2.181	-14.70	55.7	SO255	.03080	9.4755	0.4	F
5002	15589.94	52 50N	103 30E	77.3	190.7	2.181	-17.15	55.6	SO255	.03080	9.4095	0.6	A
9001	15572.54	53 47N	104 7E	74.4	191.0	2.181	-10.85	54.9	SO312	.04070	9.8790	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUB ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1618 9002	15575.34	53 47N	104 7E	75.1	191.0	2.181	-10.50	54.9	S0312	.04070	9.6644	0.4	A
9003	15584.54	52 48N	103 37E	76.4	190.8	2.181	-14.70	55.7	S0312	.03070	9.4746	1.4	F
9004	15590.14	52 49N	103 30E	77.3	190.7	2.181	-17.15	55.6	S0312	.03070	9.4086	0.4	A
9005	15598.14	52 11N	103 59E	74.8	190.6	2.181	2.45	56.3	S0312	.04070	9.7140	0.4	A
9006	15750.34	41 27N	100 23E	74.4	188.7	2.738	-7.70	64.8	S0312	.03070	9.7470	1.0	F
9007	15751.94	41 20N	100 21E	74.6	188.7	2.738	-7.70	64.9	S0312	.03070	9.7305	0.4	F
9008	15755.74	41 27N	100 23E	74.4	188.7	2.738	-7.00	64.8	S0312	.03070	9.7635	2.0	A
9009	15759.94	40 58N	100 16E	73.7	188.6	2.738	-7.35	65.1	S0312	.03070	9.9698	0.4	V
9010	15762.54	40 59N	100 16E	74.5	188.6	2.738	-7.00	65.1	S0312	.03070	9.7387	0.4	A
9011	15767.54	40 28N	99 55E	75.0	188.6	2.738	-14.70	65.4	S0312	.03070	9.7882	0.4	V
9012	15770.14	40 29N	99 55E	75.8	188.5	2.738	-14.35	65.4	S0312	.03070	9.5819	0.6	A
9013	15796.54	38 14N	100 1E	75.0	188.3	2.881	8.05	67.2	S0312	.03070	9.7057	1.4	F
9014	15801.94	38 14N	100 1E	75.2	188.3	2.881	8.75	67.2	S0312	.03070	9.6397	1.2	A
9015	15824.74	36 22N	100 30E	94.3	188.1	2.181	36.75	68.9	S0312	.02200	7.8075	1.0	V
9016	15828.14	36 22N	100 30E	96.0	188.1	2.181	37.10	68.9	S0312	.02200	7.5434	1.0	A
9017	15906.94	31 10N	97 16E	84.4	187.6	2.881	-31.50	70.3	S0312	.03070	8.6328	0.4	A
1619 5001	20831.54	56 42N	84 56E	87.7	192.0	2.037	28.70	52.6	S0255	.02210	8.3035	0.4	F
5002	20838.74	56 39N	84 53E	87.9	191.9	1.826	29.05	52.6	S0255	.02210	8.2704	0.8	A
5003	20858.34	55 4N	82 56E	74.9	191.4	2.181	0.00	53.8	S0255	.03080	9.6819	0.6	F
5004	20863.14	55 6N	82 60E	75.1	191.4	2.181	1.75	53.8	S0255	.03080	9.6901	0.4	A
5005	20864.94	54 59N	82 57E	75.1	191.3	2.181	1.75	53.9	S0255	.03080	9.6736	0.6	A
5006	21219.94	30 24N	76 49E	92.0	187.6	2.390	32.20	71.9	S0255	.01660	7.9733	1.0	V
5007	21223.34	30 24N	76 49E	93.6	187.5	2.390	32.55	71.9	S0255	.01660	7.7174	1.0	A
9001	20643.34	69 37N	90 22E	85.7	198.9	0.787	-26.25	40.3	S0312	.04070	8.4265	0.8	F
9002	20646.54	69 36N	90 20E	84.6	198.8	0.995	-26.60	40.3	S0312	.04070	8.6658	0.6	V
9003	20649.54	69 37N	90 22E	85.4	198.6	0.995	-26.25	40.3	S0312	.04070	8.5008	0.8	A
9004	20814.74	58 21N	82 54E	86.1	192.4	1.484	-31.50	50.7	S0312	.03070	8.5008	0.6	V
9005	20817.94	58 21N	82 54E	86.9	192.3	1.690	-31.50	50.7	S0312	.02200	8.3605	0.4	A
9006	20856.74	55 10N	82 59E	75.0	191.5	2.181	0.00	53.7	S0312	.04070	9.6809	0.6	F
9007	20858.34	55 4N	82 56E	74.9	191.4	2.181	0.00	53.8	S0312	.04070	9.6809	0.6	F
9008	20864.94	54 59N	82 56E	75.0	191.3	2.181	1.75	53.9	S0312	.04070	9.6727	0.6	A
9009	20881.54	53 20N	83 23E	86.5	191.0	2.181	27.65	55.5	S0312	.02200	8.4347	0.6	F
9010	20887.74	53 20N	83 22E	86.7	190.9	1.826	28.35	55.6	S0312	.02200	8.3605	0.6	A
9011	20891.54	52 52N	83 8E	84.7	190.8	2.037	26.95	55.9	S0312	.02200	8.6741	1.0	V
9012	20899.14	52 11N	82 37E	81.4	190.7	2.181	21.00	56.5	S0312	.03070	8.9547	0.6	F
9013	20902.14	52 11N	82 37E	80.6	190.7	2.181	21.35	56.5	S0312	.03070	9.1197	0.4	V
9014	20911.14	51 42N	81 12E	74.8	190.5	2.181	-11.90	56.6	S0312	.04070	9.8212	0.4	V
9015	20913.74	51 43N	81 13E	75.6	190.5	2.390	-11.55	56.6	S0312	.03070	9.6149	0.6	A
9016	20927.74	50 26N	80 15E	81.4	190.3	2.037	-25.55	57.6	S0312	.03070	8.8804	0.6	F
9017	20930.54	50 26N	80 15E	80.3	190.2	2.037	-25.20	57.6	S0312	.03070	9.1445	1.6	V
9018	20934.34	50 23N	80 14E	81.0	190.2	2.037	-24.85	57.6	S0312	.02200	8.9794	0.8	A
9019	20942.94	49 18N	80 58E	75.0	190.0	2.390	4.90	58.8	S0312	.03070	9.6892	0.4	F
9020	20944.34	49 12N	80 56E	75.0	190.0	2.390	4.90	58.9	S0312	.03070	9.6892	0.6	F
9021	20948.34	49 17N	80 59E	75.2	190.0	2.390	5.95	58.8	S0312	.03070	9.6479	0.4	A
9022	20949.74	49 12N	80 57E	75.2	189.9	2.390	5.95	58.9	S0312	.03070	9.6479	0.6	A
9023	20952.94	48 59N	80 51E	74.9	189.9	2.390	5.25	59.1	S0409	.03070	9.6809	0.4	A
9024	21193.14	32 26N	75 31E	83.3	187.7	2.738	-28.35	69.8	S0409	.04070	8.8061	0.6	V
9025	21196.34	32 25N	75 31E	84.0	187.7	2.738	-28.00	69.8	S0409	.04070	8.6493	0.6	A
1620 5001	26128.54	57 57N	60 6E	95.3	192.2	1.338	-39.90	50.9	S0255	.02210	7.6844	0.8	V
5002	26134.34	57 19N	60 6E	91.5	192.1	1.338	-36.05	51.5	S0255	.02210	7.8908	0.8	F
5003	26238.54	50 21N	58 28E	75.8	190.2	2.181	-16.10	57.7	S0255	.03080	9.6819	0.6	V
5004	26239.94	50 15N	58 26E	76.1	190.2	2.181	-16.10	57.8	S0255	.03080	9.6489	0.4	V
9001	26140.14	56 52N	60 39E	80.2	192.0	1.690	-22.40	52.0	S0409	.05390	9.0207	0.6	F
9002	26142.94	56 52N	60 39E	79.1	191.9	1.690	-22.05	52.0	S0409	.05390	9.2848	0.6	V
9003	26151.14	56 5N	60 44E	76.3	191.7	2.037	-12.95	52.8	S0409	.07180	9.4994	0.8	F
9004	26156.74	56 5N	60 44E	76.2	191.6	2.037	-12.60	52.8	S0409	.07180	9.5406	0.8	A
9005	26165.54	55 10N	61 29E	77.8	191.4	2.037	15.75	53.8	S0409	.07180	9.4499	0.6	V
9006	26168.34	55 10N	61 29E	78.8	191.4	2.037	16.10	53.8	S0409	.07180	9.2023	0.6	A
9007	26191.34	53 16N	60 25E	75.8	191.0	2.181	8.05	55.4	S0409	.07180	9.5902	0.4	F
9008	26194.14	53 16N	60 24E	74.9	190.9	2.181	8.05	55.4	S0409	.07180	9.8130	0.4	V
9009	26196.74	53 5N	60 19E	74.9	190.9	2.181	7.70	55.6	S0409	.07180	9.8212	1.6	V
9010	26201.14	52 47N	60 13E	74.9	190.8	2.181	8.05	55.8	S0409	.07180	9.8130	0.4	V
9011	26202.94	52 40N	60 10E	74.9	190.8	2.181	8.05	55.9	S0409	.07180	9.8130	0.4	V
9012	26205.74	52 40N	60 10E	75.9	190.7	2.181	8.40	56.0	S0409	.07180	9.5654	0.4	A
9013	26218.14	51 26N	59 50E	76.8	190.5	2.390	11.20	57.0	S0409	.07180	9.4746	0.4	F
9014	26222.54	51 10N	59 31E	75.2	190.4	2.390	5.25	57.2	S0409	.07180	9.6644	0.4	F
9015	26223.74	51 5N	59 30E	75.2	190.4	2.390	5.25	57.3	S0409	.07180	9.6644	0.4	F
9016	26227.94	51 10N	59 31E	75.3	190.4	2.390	5.95	57.2	S0409	.07180	9.6314	0.4	A
9017	26229.14	51 5N	59 30E	75.3	190.3	2.390	5.95	57.3	S0409	.07180	9.6314	0.4	A
9018	26238.34	50 21N	58 29E	75.8	190.2	2.181	-16.10	57.7	S0409	.07180	9.6809	0.6	V
9019	26242.74	50 15N	58 25E	77.0	190.1	2.390	-16.45	57.8	S0409	.07180	9.4416	0.4	A
9020	26261.34	48 35N	58 3E	75.6	189.9	2.390	-12.25	59.2	S0409	.07180	9.5902	0.6	F
9021	26264.14	48 34N	58 3E	74.7	189.8	2.390	-11.90	59.2	S0409	.07180	9.8377	1.2	V
9022	26267.54	48 32N	58 2E	75.5	189.8	2.390	-11.55	59.3	S0409	.07180	9.6232	0.4	A
9023	26399.34	39 1N	56 22E	81.7	188.4	2.738	20.30	66.9	S0409	.04070	8.9134	0.8	F
9024	26405.14	39 1N	56 22E	82.3	188.4	2.530	21.35	66.9	S0409	.04070	8.7979	1.0	A
1621 5001	31561.74	49 34N	34 51E	100.3	190.0	1.826	-43.40	58.0	S0255	.02210	7.2882	0.6	A
5002	31634.54	44 33N	33 35E	97.0	189.1	2.037	-41.30	62.0	S0255	.02210	7.5193	0.4	A
5003	31842.34	30 6N	31 24E	76.6	187.5	3.092	-7.00	71.2	S0255	.02210	9.4673	0.8	A
9001	31186.34	73 50N	54 48E	80.3	204.4	0.995	12.95	36.1	S0409	.07180	9.0290	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1621 9002	31192.14	73 50N	54 47E	80.2	203.9	0.995	12.95	36.1	SO409	.07180	9.0455	0.8	A
9003	31359.14	62 56N	41 43E	78.5	194.3	1.484	-18.90	46.6	SO409	.07180	9.3426	0.6	V
9004	31361.94	62 57N	41 42E	79.4	194.3	1.484	-18.90	46.5	SO409	.07180	9.1445	0.6	A
9005	31442.94	57 13N	39 24E	74.3	192.1	2.037	-5.95	51.8	SO409	.07180	9.8873	0.6	V
9006	31445.74	57 13N	39 24E	75.1	192.0	2.037	-5.60	51.8	SO409	.07180	9.6727	0.6	A
9007	31450.34	56 55N	39 13E	75.1	191.9	2.037	-6.65	52.1	SO409	.07180	9.6644	0.8	A
9008	31457.74	56 17N	38 19E	78.7	191.7	1.826	-21.70	52.5	SO409	.07180	9.3178	0.8	V
9009	31460.74	56 17N	38 19E	79.5	191.7	2.037	-21.70	52.6	SO409	.07180	9.1445	0.8	A
9010	31466.74	55 42N	37 57E	80.2	191.6	1.826	-24.50	53.0	SO409	.07180	9.1362	0.6	V
9011	31469.74	55 41N	37 57E	81.0	191.5	2.037	-24.50	53.0	SO409	.07180	8.9712	0.6	A
9012	31475.34	55 5N	37 56E	77.6	191.4	2.037	-19.60	53.6	SO409	.07180	9.4664	0.6	V
9013	31480.14	54 32N	38 4E	75.7	191.3	2.037	-11.55	54.2	SO409	.07180	9.5737	0.4	F
9014	31484.94	54 15N	37 37E	78.4	191.2	2.037	-19.60	54.4	SO409	.07180	9.2353	2.0	F
9015	31490.34	54 15N	37 43E	77.3	191.1	2.037	-16.80	54.4	SO409	.07180	9.4086	2.0	A
9016	31499.94	53 8N	38 9E	75.3	190.9	2.181	5.60	55.5	SO409	.07180	9.6397	0.6	F
9017	31504.54	53 11N	38 8E	75.2	190.8	2.181	4.90	55.5	SO409	.07180	9.6479	0.6	A
9018	31510.34	52 28N	37 31E	74.7	190.7	2.181	-5.25	56.0	SO409	.07180	9.7140	0.4	F
9019	31515.74	52 27N	37 37E	74.6	190.7	2.181	-1.40	56.1	SO409	.07180	9.7387	0.6	A
9020	31521.34	51 54N	37 17E	73.8	190.6	2.181	-5.60	56.5	SO409	.07180	9.9533	0.4	V
9021	31524.14	51 54N	37 16E	74.6	190.5	2.390	-5.60	56.5	SO409	.07180	9.7305	0.4	A
9022	31622.94	45 7N	33 36E	99.9	189.2	1.826	-43.75	61.5	SO409	.05390	7.3206	1.0	V
9023	31626.54	45 7N	33 36E	100.7	189.2	2.037	-43.75	61.5	SO409	.05390	7.2298	1.0	A
9024	31823.94	31 0N	31 26E	77.6	187.6	3.092	-14.00	70.7	SO409	.04070	9.3261	1.0	F
9025	31829.54	31 0N	31 26E	77.5	187.6	3.092	-12.95	70.7	SO409	.04070	9.3673	0.8	A
9026	31836.14	30 9N	31 25E	76.6	187.5	3.092	-7.70	71.2	SO409	.05390	9.4664	1.4	F
9027	31841.74	30 8N	31 25E	76.6	187.5	3.092	-7.00	71.2	SO409	.05390	9.4664	1.4	A
9028	32683.34	27 44S	21 27E	113.2	187.4	2.738	15.05	37.0	SO409	.05390	6.3550	0.6	V
9029	32687.54	27 44S	21 27E	115.4	187.4	2.738	15.75	37.0	SO409	.05390	6.1239	0.6	A
9030	32773.34	33 56S	18 36E	122.3	187.8	3.092	-23.45	30.5	SO409	.05390	5.8020	1.0	F
9031	32777.74	33 56S	18 37E	120.7	187.9	3.092	-22.75	30.5	SO409	.05390	5.9506	1.0	V
1622 5001	36827.94	52 13N	13 49E	94.8	190.6	1.826	-39.55	55.9	SO255	.02210	7.7009	1.0	A
5002	36833.94	51 20N	13 34E	94.3	190.5	1.690	-39.20	56.6	SO255	.02210	7.6514	0.6	F
9001	36783.94	54 35N	16 38E	75.5	191.3	2.181	5.60	54.2	SO409	.07180	9.6232	0.8	F
9002	36789.34	54 35N	16 36E	75.6	191.2	2.181	6.30	54.2	SO409	.07180	9.5984	0.8	A
9003	36795.54	54 2N	15 58E	74.0	191.1	2.181	-5.60	54.6	SO409	.07180	9.9285	0.4	V
9004	36798.14	54 2N	15 59E	74.8	191.1	2.181	-5.25	54.6	SO409	.07180	9.7057	0.6	A
9005	36808.14	53 11N	15 27E	74.6	190.9	2.181	-10.85	55.3	SO409	.07180	9.6377	0.6	V
9006	36810.94	53 11N	15 27E	75.4	190.8	2.181	-10.50	55.3	SO409	.07180	9.6314	0.6	A
9007	36814.54	52 46N	15 13E	75.1	190.8	2.181	-12.95	55.7	SO409	.07180	9.7800	0.6	V
9008	36817.34	52 46N	15 13E	75.9	190.7	2.181	-12.60	55.7	SO409	.07180	9.5737	0.6	A
9009	36843.74	50 33N	14 49E	74.4	190.3	2.390	-3.15	57.6	SO409	.07180	9.7552	0.4	F
9010	36846.34	50 33N	14 49E	73.5	190.3	2.390	-2.80	57.6	SO409	.07180	9.9946	0.4	V
9011	36852.74	50 4N	15 12E	76.5	190.2	2.390	13.30	58.2	SO409	.07180	9.6067	0.6	V
9012	36855.54	50 4N	15 12E	77.5	190.1	2.181	13.65	58.2	SO409	.07180	9.3508	0.6	A
9013	36865.54	49 10N	15 1E	77.8	190.0	2.181	16.80	59.0	SO409	.07180	9.4416	0.8	V
9014	36868.54	49 10N	15 1E	78.9	189.9	2.181	17.15	59.0	SO409	.07180	9.1775	0.6	A
9015	36911.14	45 52N	13 59E	79.2	189.4	2.530	17.15	61.7	SO409	.05390	9.1940	0.6	F
9016	36913.94	45 52N	13 59E	78.5	189.4	2.530	17.50	61.7	SO409	.07180	9.3673	0.4	V
9017	36919.54	45 42N	13 46E	77.7	189.3	2.390	13.65	61.8	SO409	.07180	9.3261	1.2	A
9018	37143.94	30 10N	9 28E	75.4	187.5	3.092	-1.40	71.3	SO409	.05390	9.7305	0.4	V
9019	37146.74	30 10N	9 28E	76.4	187.5	3.092	-1.05	71.3	SO409	.05390	9.4911	0.4	A
1624 9001	48516.14	22 25S	44 28W	104.0	187.0	3.232	-4.20	41.6	SO409	.05390	6.8749	1.4	F
9002	48527.34	23 6S	45 45W	124.2	187.1	3.092	-35.00	40.5	SO409	.05390	5.7278	1.0	F
9003	48531.74	23 6S	45 46W	122.6	187.1	3.092	-34.65	40.5	SO409	.05390	5.8846	1.0	V
9004	48534.94	23 19S	45 49W	123.3	187.1	3.092	-35.00	40.3	SO409	.05390	5.8598	0.6	V
9005	48539.54	23 19S	45 49W	124.2	187.1	3.439	-34.65	40.3	SO409	.05390	5.7525	0.6	A
1625 9001	53431.74	4 29N	61 32W	86.2	186.5	3.439	3.85	64.8	SO409	.05390	8.3440	0.6	A
9002	53723.34	15 23S	65 29W	100.2	186.8	3.587	-12.25	48.0	SO409	.05390	7.1308	0.6	A
9003	53733.94	16 35S	65 45W	101.3	186.8	3.439	-14.35	46.8	SO409	.05390	7.0647	0.6	F
9004	53748.74	17 13S	64 21W	122.8	186.8	2.181	32.55	47.1	SO409	.04070	5.7690	1.4	A
9005	54101.74	41 7S	71 24W	122.1	188.7	2.881	-17.50	23.8	SO409	.07180	5.8681	0.6	V
9006	54106.34	41 7S	71 23W	123.5	188.7	2.881	-16.80	23.8	SO409	.05390	5.7195	0.6	A
9007	54162.74	45 33S	72 3W	123.1	189.3	2.530	-4.90	19.8	SO409	.07180	5.7525	0.8	F
1626 9001	58461.34	23 4N	80 39W	78.3	187.1	3.232	-12.95	72.4	SO409	.05390	9.3591	0.8	V
9002	58464.34	23 4N	80 39W	79.2	187.1	3.232	-12.60	72.4	SO409	.05390	9.1445	0.8	A
9003	58470.74	22 13N	80 36W	78.3	187.0	3.232	-4.90	72.5	SO409	.05390	9.2683	0.6	F
9004	58476.74	22 10N	80 27W	78.8	187.0	3.232	2.45	72.7	SO409	.07180	9.1775	0.8	A
1627 9001	63567.34	36 19N	99 46W	74.9	188.1	2.881	-6.65	68.1	SO409	.05390	9.6809	0.6	F
9002	63572.74	36 19N	99 46W	74.9	188.1	2.881	-5.95	68.1	SO409	.05390	9.6809	0.6	A
1633 9001	8879.34	45 46N	130 34E	76.9	189.3	2.530	11.55	61.6	SO409	.07180	9.4416	0.8	A
9002	8892.34	44 34N	129 44E	74.4	189.2	2.530	-4.55	62.3	SO409	.07180	9.7552	0.8	F
9003	8896.94	44 38N	129 34E	75.0	189.1	2.530	-10.15	62.2	SO409	.05390	9.6974	0.4	A
9004	8898.73	44 31N	129 32E	75.0	189.1	2.530	-10.15	62.3	SO409	.05390	9.6974	0.6	A
9005	8918.54	42 42N	129 47E	77.6	188.9	2.738	14.00	64.0	SO409	.07180	9.3756	0.4	F
9006	8923.74	42 33N	129 35E	74.8	188.9	2.738	9.45	64.0	SO409	.07180	9.8295	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1633 9007	8926.13	42 23N	129 32E	74.9	188.8	2.738	9.10	64.2	SO409	.07180	9.8130	0.6	V
9008	8931.33	42 14N	129 18E	74.7	188.8	2.738	3.15	64.2	SO409	.07180	9.7140	0.6	A
9009	8939.13	41 27N	129 39E	80.4	188.7	2.530	20.65	65.0	SO409	.05390	9.1527	0.6	V
9010	8942.13	41 27N	129 39E	81.6	188.7	2.530	21.00	65.0	SO409	.04070	8.8804	0.6	A
9011	8944.73	41 16N	129 35E	81.4	188.7	2.530	20.65	65.1	SO409	.04070	8.9052	0.6	A
9012	8958.14	40 14N	128 39E	73.9	188.5	2.738	-1.40	65.6	SO409	.07180	9.9533	0.4	V
9013	8960.94	40 13N	128 39E	74.8	188.5	2.738	-1.05	65.6	SO409	.07180	9.7140	0.4	A
9014	8978.93	38 49N	128 9E	74.1	188.4	2.881	-6.65	66.5	SO409	.07180	9.9120	0.4	V
9015	8981.74	38 49N	128 9E	75.0	188.3	2.881	-6.30	66.5	SO409	.07180	9.6892	0.4	A
9016	8988.33	38 22N	127 55E	75.5	188.3	2.881	-10.50	66.7	SO409	.05390	9.8149	0.6	A
9017	9619.93	5 15S	119 33E	91.4	186.5	3.587	-10.85	56.9	SO409	.05390	7.9561	0.6	V
9018	9623.33	5 15S	119 32E	92.6	186.5	3.587	-10.50	56.9	SO409	.05390	7.7497	0.6	A
1634 5001	14381.53	32 31N	105 36E	89.6	187.7	2.390	29.75	70.8	SO255	.01660	8.0806	0.8	A
9001	14289.53	38 31N	106 17E	75.2	188.3	2.881	4.55	66.8	SO409	.07180	9.6644	0.4	F
9002	14292.53	38 30N	106 14E	73.9	188.3	2.881	3.50	66.8	SO409	.07180	9.9450	0.6	V
9003	14295.33	38 29N	106 14E	74.9	188.3	2.881	3.85	66.8	SO409	.07180	9.6974	0.6	A
9004	14300.33	38 7N	106 23E	76.9	188.3	2.881	12.25	67.2	SO409	.05390	9.4251	0.4	A
9005	14305.33	37 25N	106 8E	75.9	188.2	2.881	8.75	67.6	SO409	.05390	9.5902	0.8	F
9006	14310.73	37 25N	106 7E	76.1	188.2	2.738	9.45	67.6	SO409	.05390	9.5241	0.8	A
9007	14387.93	31 54N	105 0E	77.6	187.7	2.738	15.05	70.8	SO409	.05390	9.4664	0.4	V
9008	14390.73	31 55N	105 1E	78.9	187.7	2.738	15.75	70.8	SO409	.04070	9.1693	0.4	A
9009	14403.73	30 42N	104 8E	76.1	187.6	3.092	-9.10	70.8	SO409	.05390	9.5324	1.0	F
9010	14409.13	30 42N	104 7E	76.1	187.6	3.092	-8.40	70.9	SO409	.05390	9.5406	1.0	A
9011	14420.13	29 35N	103 45E	77.6	187.5	3.092	-14.70	71.1	SO409	.05390	9.3343	0.6	F
9012	14422.93	29 35N	103 44E	76.7	187.5	3.092	-14.35	71.2	SO409	.05390	9.5737	0.4	V
9013	14425.73	29 35N	103 44E	77.5	187.5	3.092	-14.00	71.2	SO409	.05390	9.3673	0.4	A
9014	14475.73	25 58N	102 51E	78.3	187.2	3.092	-19.95	72.0	SO409	.05390	9.3756	0.4	V
9015	14478.73	25 57N	102 52E	79.0	187.2	3.092	-19.25	72.0	SO409	.05390	9.2023	0.4	A
9016	14485.93	25 3N	102 53E	77.2	187.2	3.232	-12.60	72.2	SO409	.05390	9.3756	1.6	F
9017	14492.53	24 47N	102 54E	75.5	187.2	3.232	-9.45	72.3	SO409	.05390	9.7222	0.4	V
9018	14494.93	24 37N	102 51E	76.1	187.2	3.232	-9.80	72.4	SO409	.07180	9.6397	0.4	V
9019	14497.73	24 37N	102 51E	77.0	187.2	3.232	-9.45	72.4	SO409	.07180	9.4168	0.4	A
9020	14501.93	23 57N	102 44E	77.3	187.1	3.232	-9.80	72.4	SO409	.05390	9.3756	0.4	F
9021	14504.53	23 57N	102 44E	76.4	187.1	3.232	-9.45	72.4	SO409	.05390	9.5984	1.4	V
9022	14511.53	23 39N	102 49E	76.9	187.1	3.232	-8.15	72.6	SO409	.05390	9.4251	0.4	A
9023	14653.13	13 45N	100 35E	83.3	186.7	3.439	-18.90	70.0	SO409	.05390	8.7814	0.6	V
9024	14656.13	13 45N	100 35E	84.2	186.7	3.439	-18.20	70.0	SO409	.05390	8.6081	0.6	A
9025	14667.33	12 42N	100 56E	81.3	186.7	3.439	3.15	70.0	SO409	.05390	9.0042	0.6	V
9026	14670.33	12 43N	100 56E	82.4	186.7	3.439	3.50	70.0	SO409	.05390	8.7566	0.6	A
9027	14797.53	3 36N	98 41E	91.4	186.5	3.439	-22.75	63.7	SO409	.04070	7.8735	1.2	F
9028	14804.13	3 36N	98 41E	91.1	186.5	3.587	-21.70	63.7	SO409	.04070	7.9231	1.2	A
1635 5001	19337.13	56 16N	90 26E	79.4	191.8	2.037	16.80	52.7	SO255	.03080	9.1619	0.8	F
9001	19336.93	56 16N	90 26E	79.4	191.8	2.037	16.80	52.7	SO409	.07180	9.1610	1.0	F
9002	19345.93	55 42N	89 59E	77.4	191.7	2.037	12.25	53.1	SO409	.07180	9.4003	0.6	F
9003	19347.13	55 37N	89 56E	77.4	191.6	2.037	12.25	53.2	SO409	.07180	9.4003	0.6	F
9004	19349.93	55 36N	89 56E	76.6	191.6	2.037	12.60	53.2	SO409	.07180	9.5984	0.4	V
9005	19354.33	55 29N	90 6E	79.8	191.5	1.826	18.20	53.4	SO409	.07180	9.0950	0.6	A
9006	19359.73	54 58N	89 28E	74.9	191.4	2.037	7.70	53.8	SO409	.07180	9.8130	0.4	V
9007	19362.53	54 58N	89 28E	75.8	191.3	2.037	8.05	53.8	SO409	.07180	9.5737	0.4	A
1636 5001	24800.73	45 58N	63 40E	74.0	189.4	2.530	-8.05	61.2	SO255	.02210	9.9295	0.4	V
9001	24713.53	51 38N	66 21E	78.4	190.6	2.181	15.40	56.7	SO409	.07180	9.2931	1.6	F
9002	24716.53	51 26N	66 16E	78.4	190.5	2.181	15.40	56.9	SO409	.07180	9.2931	0.4	F
9003	24719.13	51 15N	66 12E	78.3	190.5	2.181	15.40	57.0	SO409	.07180	9.3013	0.4	F
9004	24721.93	51 15N	66 12E	77.6	190.4	2.181	15.75	57.0	SO409	.07180	9.4829	0.4	V
9005	24723.73	51 8N	66 10E	77.6	190.4	2.181	15.75	57.1	SO409	.07180	9.4829	0.4	V
9006	24726.53	51 8N	66 10E	78.6	190.4	2.181	16.10	57.1	SO409	.07180	9.2353	0.6	A
9007	24797.73	45 59N	63 41E	75.0	189.4	2.530	-8.40	61.2	SO409	.07180	9.6809	0.4	F
9008	24800.33	45 59N	63 41E	74.0	189.4	2.530	-8.05	61.2	SO409	.07180	9.9285	0.8	V
9009	24803.33	45 58N	63 40E	74.9	189.3	2.530	-7.70	61.2	SO409	.07180	9.7057	0.6	A
9010	24804.93	45 52N	63 38E	74.8	189.3	2.530	-7.70	61.3	SO409	.07180	9.7057	0.4	A
9011	24924.13	37 26N	62 4E	77.9	188.2	2.738	15.05	67.7	SO409	.05390	9.4334	0.6	V
9012	24927.13	37 25N	62 4E	79.0	188.2	2.738	15.40	67.7	SO409	.05390	9.1693	0.4	A
1637 5001	30062.13	48 36N	44 29E	106.2	190.0	2.037	42.70	59.6	SO255	.01660	6.8755	0.8	F
9001	29774.33	68 9N	53 50E	80.0	197.9	1.338	14.00	41.5	SO409	.07180	9.0785	0.6	F
9002	29780.13	68 9N	53 49E	80.0	197.6	1.338	14.35	41.6	SO409	.07180	9.0620	0.8	A
9003	29785.33	67 39N	53 4E	77.5	197.4	1.338	9.80	42.0	SO409	.07180	9.4746	0.6	V
9004	29788.13	67 39N	53 3E	78.4	197.2	1.338	9.80	42.0	SO409	.07180	9.2600	0.6	A
9005	29877.33	61 24N	48 6E	75.8	193.8	1.690	0.70	47.9	SO409	.07180	9.5737	1.0	F
9006	29882.73	61 24N	48 5E	75.8	193.6	1.690	1.05	47.9	SO409	.07180	9.5819	1.0	A
9007	29959.33	56 11N	44 17E	82.4	191.7	1.690	-27.30	52.4	SO409	.07180	8.9134	0.4	V
9008	29962.33	56 11N	44 18E	83.1	191.6	1.690	-26.95	52.4	SO409	.07180	8.7566	0.4	A
9009	29982.33	54 14N	45 16E	78.6	191.2	2.181	15.40	54.4	SO409	.07180	9.2600	1.0	F
9010	29987.53	54 6N	44 58E	75.5	191.1	2.181	9.45	54.5	SO409	.07180	9.7305	1.0	V
9011	29997.73	53 32N	43 41E	76.9	191.0	2.037	-18.20	54.8	SO409	.07180	9.5489	0.6	V
9012	30008.13	52 32N	44 17E	75.7	190.8	2.181	7.35	55.9	SO409	.07180	9.5902	0.8	F
9013	30013.53	52 32N	44 16E	75.8	190.7	2.181	7.70	55.9	SO409	.07180	9.5654	0.8	A

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1637 9014	30023.93	51 30N	43 30E	74.6	190.5	2.181	-3.85	56.6	S0409	.07180	9.7305	0.6	F
9015	30029.13	51 31N	43 30E	74.6	190.4	2.181	-3.15	56.6	S0409	.07180	9.7387	0.6	A
9016	30081.13	47 36N	42 15E	74.5	189.7	2.530	-2.45	59.9	S0409	.07180	9.7387	1.0	F
9017	30086.33	47 36N	42 16E	74.5	189.6	2.530	-1.40	59.9	S0409	.07180	9.7387	1.2	A
9018	30145.73	43 14N	40 17E	80.5	189.0	2.390	-24.15	63.1	S0409	.07180	8.9959	0.6	F
9019	30151.53	43 14N	40 18E	79.8	188.9	2.530	-23.10	63.1	S0409	.07180	9.1032	0.6	A
9020	31148.93	25 43S	28 2E	110.1	187.2	2.881	12.25	39.0	S0409	.05390	6.5035	0.8	F
9021	31156.93	25 43S	28 2E	111.1	187.2	2.881	12.95	39.0	S0409	.05390	6.3797	0.8	A
9022	31163.13	26 22S	27 26E	105.9	187.3	3.092	-0.70	38.2	S0409	.05390	6.8089	0.4	V
9023	31167.13	26 22S	27 26E	107.5	187.3	3.092	-0.35	38.2	S0409	.05390	6.6108	0.4	A
1638 5001	35300.33	53 52N	20 57E	88.0	191.0	1.690	-34.30	54.3	S0255	.02210	8.3365	0.6	V
5002	35310.93	52 50N	21 51E	74.7	190.8	2.181	-4.55	55.5	S0255	.03080	9.7231	0.6	F
9001	35059.73	69 39N	32 11E	77.3	199.1	1.135	-1.40	40.0	S0409	.09620	9.3756	0.4	F
9002	35062.53	69 39N	32 10E	76.3	199.0	1.135	-1.40	40.1	S0409	.09620	9.6149	0.4	V
9003	35069.33	69 7N	32 27E	77.9	198.6	1.338	10.85	40.6	S0409	.07180	9.4168	0.4	V
9004	35072.13	69 7N	32 27E	78.9	198.4	1.135	11.20	40.6	S0409	.07180	9.2023	0.4	A
9005	35095.73	67 37N	30 33E	76.9	197.2	1.338	3.85	42.0	S0409	.07180	9.4334	0.4	A
9006	35215.53	59 29N	24 41E	74.6	192.9	1.826	-4.90	49.6	S0409	.07180	9.8377	0.6	V
9007	35218.33	59 29N	24 41E	75.4	192.8	1.826	-4.55	49.6	S0409	.07180	9.6232	0.6	A
9008	35234.13	58 20N	24 48E	77.3	192.4	1.826	11.20	50.7	S0409	.07180	9.3921	1.0	A
9009	35248.53	56 59N	24 12E	77.3	192.1	2.037	11.55	51.9	S0409	.07180	9.4003	0.4	F
9010	35251.13	56 60N	24 13E	76.5	192.0	2.037	11.90	51.9	S0409	.07180	9.5984	0.6	V
9011	35255.73	56 41N	24 8E	77.1	191.9	2.037	13.65	52.2	S0409	.07180	9.5241	0.4	V
9012	35258.53	56 41N	24 8E	78.1	191.9	2.037	14.00	52.2	S0409	.07180	9.2765	0.6	A
9013	35264.93	55 55N	23 24E	75.3	191.7	2.037	3.85	52.8	S0409	.07180	9.6397	0.6	F
9014	35270.33	55 55N	23 24E	75.4	191.6	2.037	4.55	52.8	S0409	.07180	9.6232	0.6	A
9015	35278.93	55 4N	22 10E	78.0	191.4	2.037	-18.20	53.4	S0409	.07180	9.2765	0.6	F
9016	35281.73	55 3N	22 9E	77.1	191.4	2.037	-18.20	53.4	S0409	.07180	9.5159	0.4	V
9017	35286.13	54 45N	22 4E	76.8	191.3	2.037	-17.50	53.7	S0409	.07180	9.5571	0.6	V
9018	35289.53	54 43N	22 6E	77.2	191.2	2.037	-16.10	53.8	S0409	.07180	9.4168	0.6	A
9019	35319.33	52 11N	22 17E	77.7	190.7	2.390	13.65	56.2	S0409	.07180	9.3591	0.6	F
9020	35322.13	52 11N	22 16E	76.7	190.7	2.181	13.65	56.2	S0409	.07180	9.5654	0.6	V
9021	35327.73	51 38N	21 56E	76.4	190.6	2.390	9.80	56.6	S0409	.07180	9.5159	1.6	F
9022	35333.33	51 37N	21 56E	76.6	190.5	2.181	10.85	56.7	S0409	.07180	9.4664	1.4	A
9023	35343.33	50 52N	20 40E	76.3	190.3	2.181	-17.50	57.1	S0409	.07180	9.6232	0.6	V
9024	35346.13	50 52N	20 40E	77.1	190.3	2.181	-17.15	57.1	S0409	.07180	9.4334	0.6	A
9025	35352.73	50 2N	20 19E	78.2	190.2	2.181	-19.95	57.7	S0409	.07180	9.2600	0.4	F
9026	35355.53	50 2N	20 19E	77.2	190.1	2.181	-19.60	57.7	S0409	.07180	9.5241	0.4	V
9027	35365.73	49 0N	21 15E	79.0	190.0	2.390	16.80	58.9	S0409	.07180	9.2188	0.6	F
9028	35368.53	49 0N	21 15E	78.2	190.0	2.390	17.15	58.9	S0409	.07180	9.4003	0.6	V
9029	35372.93	48 42N	21 15E	79.6	189.9	2.181	19.95	59.2	S0409	.07180	9.2188	0.8	V
9030	35375.93	48 41N	21 15E	80.7	189.9	2.181	20.30	59.2	S0409	.05390	8.9629	0.8	A
9031	35389.33	47 30N	19 54E	75.0	189.7	2.390	-9.10	59.9	S0409	.07180	9.6727	0.4	F
9032	35391.93	47 30N	19 54E	74.1	189.6	2.390	-8.75	59.9	S0409	.07180	9.9120	0.6	V
9033	35400.33	46 41N	20 18E	76.7	189.5	2.530	11.20	60.8	S0409	.07180	9.4629	0.4	F
9034	35402.93	46 41N	20 18E	76.0	189.5	2.530	11.55	60.8	S0409	.07180	9.6809	0.4	V
9035	35406.53	46 25N	20 20E	77.2	189.5	2.530	14.70	61.0	S0409	.07180	9.5241	0.6	V
9036	35409.33	46 26N	20 20E	78.2	189.4	2.530	15.05	61.0	S0409	.07180	9.2683	0.6	A
9037	35421.13	45 21N	19 1E	76.8	189.3	2.390	-16.45	61.5	S0409	.07180	9.4334	0.4	F
9038	35423.73	45 22N	19 1E	75.8	189.3	2.390	-16.10	61.5	S0409	.07180	9.6809	0.4	V
9039	35427.93	44 53N	18 50E	77.5	189.2	2.390	-18.20	61.9	S0409	.07180	9.3508	0.6	F
9040	35433.53	44 53N	18 50E	77.2	189.2	2.530	-17.50	61.9	S0409	.07180	9.4168	0.6	A
9041	35442.33	43 55N	18 19E	80.7	189.1	2.390	-25.20	62.5	S0409	.05390	8.9629	1.4	F
9042	35448.13	43 55N	18 19E	80.3	189.0	2.390	-24.50	62.5	S0409	.05390	9.0537	1.4	A
9043	35462.33	42 24N	19 16E	79.9	188.9	2.530	18.20	64.2	S0409	.04070	9.1115	1.2	F
9044	35467.93	42 25N	19 16E	80.3	188.8	2.530	18.90	64.2	S0409	.04070	9.0207	1.4	A
9045	35494.53	40 40N	17 57E	75.3	188.6	2.738	-9.45	65.1	S0409	.07180	9.6479	0.8	A
1639 5001	40741.33	44 34N	1 8W	106.7	189.1	1.690	43.40	62.9	S0255	.01660	6.7682	0.6	A
9001	41296.13	6 22N	10 48W	84.0	186.6	3.439	0.70	66.1	S0409	.05390	8.6823	1.0	V
9002	41299.33	6 21N	10 49W	85.2	186.6	3.439	1.05	66.1	S0409	.05390	8.4430	1.0	A
1640 9001	46779.73	5 52S	35 14W	91.0	186.6	3.587	-6.65	56.5	S0409	.05390	7.9891	0.8	V
9002	46783.13	5 52S	35 14W	92.2	186.6	3.587	-6.30	56.5	S0409	.05390	7.7745	0.8	A
1641 9001	51917.73	5 31N	55 11W	84.1	186.5	3.439	-0.35	65.6	S0409	.05390	8.6741	1.2	V
9002	52317.13	21 59S	60 36W	106.0	187.0	3.232	-16.10	42.1	S0409	.05390	6.7264	1.0	F
9003	52320.93	21 59S	60 36W	104.9	187.0	3.439	-15.75	42.1	S0409	.05390	6.8914	0.4	V
9004	52328.33	22 17S	60 2W	104.9	187.1	3.092	4.20	42.1	S0409	.05390	6.7676	1.4	A
9005	52505.53	34 13S	62 38W	114.2	187.9	2.881	0.35	30.9	S0409	.05390	6.1899	1.4	A
1642 9001	57303.73	0 6S	78 28W	86.1	186.5	3.587	-9.10	61.2	S0409	.05390	8.4678	1.0	V
9002	57307.13	0 6S	78 29W	87.2	186.5	3.587	-8.75	61.2	S0409	.05390	8.2449	0.8	A
9003	57322.93	1 38S	78 36W	87.4	186.5	3.587	-5.25	60.1	S0409	.04070	8.2532	0.6	F
9004	57332.13	2 13S	79 39W	106.8	186.5	3.232	-36.05	59.0	S0409	.04070	6.7016	1.2	F
9005	57335.93	2 13S	79 39W	105.4	186.5	3.232	-35.70	59.0	S0409	.05390	6.8997	1.2	V
9006	57347.93	2 54S	78 60W	89.2	186.5	3.439	-9.45	59.0	S0409	.03070	8.0551	0.6	A
9007	57355.73	3 19S	79 46W	103.9	186.5	3.439	-32.90	58.2	S0409	.05390	6.9409	0.4	A
9008	57370.13	4 49S	80 15W	113.0	186.5	3.232	-39.20	56.8	S0409	.04070	6.3220	1.4	F
9009	57378.73	5 9S	80 4W	103.7	186.5	3.439	-32.55	56.7	S0409	.05390	7.0152	1.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN EDEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1643 9001	62167.33	29 59N	95 22W	81.0	187.5	2.881	-22.75	70.8	SO409	.04070	8.9217	3.8	F
9002	62174.93	29 51N	95 24W	80.8	187.5	3.092	-22.40	70.8	SO409	.04070	8.9877	3.8	A
9003	62320.73	19 34N	96 55W	77.3	186.9	3.232	-3.15	72.3	SO409	.05390	9.4829	0.6	V
9004	62323.73	19 33N	96 55W	78.3	186.9	3.439	-2.80	72.3	SO409	.05390	9.2435	0.4	A
1648 9001	1902.73	57 57N	162 3E	81.7	192.4	1.484	-23.10	50.7	SO409	.05390	8.8555	0.6	F
9002	1905.53	57 58N	162 3E	80.6	192.3	1.690	-23.10	50.7	SO409	.05390	9.1115	0.6	V
9003	1909.53	57 29N	161 59E	79.8	192.2	1.690	-20.30	51.2	SO409	.05390	9.0785	0.6	F
9004	1912.33	57 29N	161 59E	78.7	192.1	1.690	-19.95	51.2	SO409	.05390	9.3343	0.6	V
9005	1918.33	56 52N	161 55E	77.6	192.0	1.826	-15.75	51.7	SO409	.05390	9.3343	0.4	F
9006	1920.93	56 53N	161 56E	76.5	191.9	1.826	-15.40	51.7	SO409	.05390	9.5902	0.4	V
9007	1923.73	56 53N	161 56E	77.3	191.9	1.826	-15.05	51.7	SO409	.05390	9.4003	0.4	A
9008	1974.13	53 7N	160 0E	82.5	190.9	1.826	-25.90	54.9	SO409	.07180	8.7649	0.4	F
9009	1979.93	53 7N	160 1E	82.1	190.8	2.037	-25.55	54.9	SO409	.07180	8.8721	0.4	A
1649 9001	7328.33	50 27N	136 52E	82.6	190.2	2.181	-28.35	57.2	SO409	.05390	8.8721	0.4	V
9002	7331.53	50 26N	136 52E	83.3	190.2	2.181	-28.00	57.2	SO409	.05390	8.7236	0.4	A
9003	7424.72	43 36N	135 29E	75.4	189.0	2.530	-10.85	62.8	SO409	.07180	9.6067	0.4	F
9004	7430.13	43 36N	135 29E	75.3	189.0	2.738	-10.50	62.8	SO409	.07180	9.6479	0.4	A
1650 9001	12610.32	52 18N	116 48E	75.5	190.7	2.181	9.45	55.9	SO409	.05390	9.7387	0.6	V
9002	12613.12	52 18N	116 48E	76.5	190.6	2.181	9.80	55.9	SO409	.05390	9.4911	0.6	A
9003	12624.12	51 13N	116 8E	74.8	190.5	2.181	1.75	56.8	SO409	.07180	9.7140	0.4	F
9004	12625.32	51 9N	116 6E	74.8	190.4	2.181	1.75	56.8	SO409	.07180	9.7140	1.6	F
9005	12630.72	50 44N	116 11E	75.8	190.4	2.390	7.70	57.2	SO409	.07180	9.5984	0.8	F
9006	12632.12	50 39N	116 8E	75.7	190.3	2.390	7.70	57.3	SO409	.07180	9.5984	1.6	F
9007	12637.72	50 38N	116 9E	75.9	190.3	2.181	8.75	57.3	SO409	.07180	9.5654	1.6	A
9008	12673.32	48 6N	114 31E	75.4	189.8	2.390	-15.05	59.2	SO409	.07180	9.7470	0.4	V
9009	12675.92	48 7N	114 31E	76.2	189.7	2.390	-14.70	59.2	SO409	.07180	9.5489	0.6	A
9010	12780.52	40 52N	113 11E	75.7	188.6	2.738	8.75	65.1	SO409	.07180	9.5819	0.6	A
9011	12786.52	40 3N	113 17E	79.7	188.5	2.738	18.20	65.8	SO409	.05390	9.1362	0.8	F
9012	12794.32	39 34N	112 49E	75.4	188.5	2.881	7.00	66.0	SO409	.05390	9.6397	0.6	F
9013	12806.12	38 50N	111 43E	79.8	188.4	2.530	-24.15	66.0	SO409	.05390	9.0620	0.4	F
9014	12811.72	38 51N	111 43E	79.6	188.3	2.738	-23.80	66.0	SO409	.05390	9.1445	0.4	A
9015	12825.52	37 46N	112 37E	79.2	188.2	2.738	16.80	67.3	SO409	.05390	9.1280	0.6	A
9016	12862.92	34 56N	110 52E	79.9	188.0	2.738	-22.40	68.4	SO409	.04070	9.0620	0.6	F
9017	12876.72	33 47N	112 11E	90.8	187.9	2.530	31.50	70.0	SO409	.05390	8.0386	0.4	F
9018	12883.32	33 46N	112 10E	91.5	187.8	2.390	32.20	70.1	SO409	.05390	7.8900	0.4	A
9019	12904.72	32 1N	110 40E	75.8	187.7	3.092	-6.65	70.2	SO409	.05390	9.5654	1.2	F
9020	12910.12	32 1N	110 40E	75.9	187.7	3.092	-5.95	70.2	SO409	.05390	9.5654	1.4	A
9021	12960.92	28 29N	110 24E	79.7	187.4	2.881	13.30	72.0	SO409	.05390	9.0785	0.8	A
9022	12966.32	28 7N	110 13E	78.2	187.4	3.092	9.10	72.0	SO409	.05390	9.2518	0.8	A
9023	12982.52	26 37N	109 51E	77.5	187.3	3.232	5.60	72.3	SO409	.05390	9.3756	0.6	F
9024	12988.12	26 37N	109 50E	77.8	187.3	3.092	6.30	72.3	SO409	.05390	9.3096	0.6	A
9025	12992.72	26 18N	109 55E	79.5	187.3	3.092	11.90	72.5	SO409	.05390	9.0950	1.2	A
9026	13017.72	24 36N	109 19E	77.7	187.2	3.232	1.40	72.6	SO409	.05390	9.3261	0.6	A
9027	13024.12	23 57N	109 16E	77.1	187.1	3.232	4.20	72.7	SO409	.05390	9.5159	0.4	V
9028	13026.92	23 57N	109 16E	78.2	187.1	3.232	4.90	72.7	SO409	.05390	9.2518	0.4	A
9029	13041.72	22 37N	108 11E	86.0	187.1	3.092	-28.80	71.9	SO409	.04070	8.4017	0.4	F
9030	13047.92	22 37N	108 11E	85.6	187.0	3.232	-27.30	72.0	SO409	.04070	8.4760	0.4	A
9031	13211.72	10 51N	106 40E	82.3	186.6	3.439	-2.80	68.9	SO409	.04070	8.7896	0.8	F
9032	13217.72	10 51N	106 40E	82.6	186.6	3.439	-1.75	69.0	SO409	.05390	8.7401	1.0	A
9033	13224.52	10 25N	106 21E	83.6	186.6	3.587	-11.90	68.5	SO409	.05390	8.6411	0.8	A
1651 9001	17864.12	56 9N	94 32E	86.5	191.7	1.484	-30.45	52.2	SO409	.05390	8.3522	1.0	F
9002	17870.32	56 9N	94 31E	86.2	191.6	1.690	-30.45	52.2	SO409	.05390	8.4347	1.0	A
9003	18086.12	40 58N	89 57E	83.2	188.6	2.390	-28.70	64.5	SO409	.04070	8.6906	0.6	F
9004	18089.12	40 58N	89 57E	82.0	188.6	2.390	-28.35	64.5	SO409	.05390	8.9547	0.6	V
9005	18092.12	40 58N	89 58E	82.5	188.6	2.390	-27.65	64.5	SO409	.04070	8.8309	0.4	A
1652 9001	22977.92	69 14N	81 30E	79.1	198.7	1.135	-11.20	40.2	SO409	.05390	9.1445	0.4	F
9002	22983.72	69 14N	81 29E	78.9	198.4	1.135	-10.85	40.3	SO409	.07180	9.1858	0.4	A
9003	23189.72	54 58N	73 26E	75.8	191.4	2.037	4.55	53.5	SO409	.07180	9.5819	0.4	F
9004	23192.32	54 59N	73 26E	75.0	191.4	2.037	4.90	53.5	SO409	.07180	9.8047	0.6	V
9005	23229.92	52 28N	72 3E	74.2	190.7	2.181	-5.95	55.6	SO409	.07180	9.8955	0.6	V
9006	23232.72	52 28N	72 3E	75.0	190.7	2.181	-5.60	55.6	SO409	.07180	9.6809	0.6	A
9007	23309.92	46 56N	70 50E	76.6	189.6	2.390	13.30	60.4	SO409	.05390	9.5984	0.4	V
9008	23312.72	46 57N	70 50E	77.6	189.5	2.390	13.65	60.4	SO409	.05390	9.3426	0.4	A
9009	23322.32	46 16N	70 56E	82.2	189.4	2.181	22.40	61.1	SO409	.05390	8.8226	1.0	A
9010	23373.72	42 29N	68 48E	75.5	188.9	2.738	-11.20	63.6	SO409	.07180	9.0067	0.6	F
9011	23379.12	42 29N	68 48E	75.4	188.8	2.738	-10.15	63.6	SO409	.07180	9.6479	0.6	A
9012	23389.12	41 19N	69 20E	79.3	188.7	2.738	16.80	64.8	SO409	.05390	9.1775	0.6	F
9013	23391.92	41 19N	69 19E	78.5	188.7	2.530	17.15	64.8	SO409	.05390	9.3756	0.6	V
9014	23397.92	41 7N	69 4E	76.9	188.6	2.738	10.85	64.9	SO409	.05390	9.4251	0.6	A
9015	23434.52	38 37N	68 20E	76.0	188.3	2.738	8.05	66.6	SO409	.05390	9.5406	0.4	A
1653 5001	28446.32	58 50N	52 14E	76.6	192.6	1.690	-14.00	49.9	SO255	.02210	9.5911	0.6	V
5002	28457.52	58 11N	52 40E	76.0	192.3	1.826	3.50	50.6	SO255	.03080	9.5746	0.8	A
9001	28443.52	58 50N	52 14E	77.6	192.7	1.690	-14.35	49.9	SO409	.05390	9.3343	0.6	F
9002	28446.32	58 50N	52 14E	76.6	192.6	1.690	-14.00	49.9	SO409	.05390	9.5902	0.6	V
9003	28454.72	58 11N	52 40E	75.0	192.4	1.826	3.15	50.6	SO409	.07180	9.7882	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1653 9004	28457.52	58 11N	52 40E	75.9	192.3	1.826	3.50	50.6	S0409	.07180	9.5737	0.6	A
9005	28476.12	56 31N	52 13E	77.3	191.9	2.037	10.50	52.2	S0409	.07180	9.4003	0.4	F
9006	28478.92	56 30N	52 13E	76.5	191.9	1.826	11.20	52.2	S0409	.07180	9.6067	0.4	V
9007	28484.12	56 23N	51 43E	75.4	191.7	2.037	0.35	52.2	S0409	.07180	9.6232	0.4	A
9008	28525.12	53 15N	50 20E	75.1	191.0	2.181	-3.15	54.9	S0409	.07180	9.6562	1.0	F
9009	28530.52	53 15N	50 20E	75.1	190.9	2.181	-2.45	55.0	S0409	.07180	9.6727	1.0	A
9010	28534.32	52 59N	50 16E	75.0	190.8	2.181	-1.40	55.2	S0409	.07180	9.6809	0.6	A
9011	28597.72	48 20N	48 25E	75.4	189.8	2.390	-9.45	59.1	S0409	.07180	9.6232	0.4	F
9012	28600.32	48 20N	48 25E	74.5	189.8	2.390	-9.10	59.1	S0409	.07180	9.8625	0.6	V
9013	28604.32	47 53N	48 9E	76.1	189.8	2.390	-12.95	59.4	S0409	.07180	9.5241	1.0	F
9014	28609.92	47 53N	48 9E	75.9	189.7	2.390	-12.25	59.4	S0409	.07180	9.5737	0.8	A
9015	28618.72	46 51N	48 19E	75.0	189.6	2.530	1.75	60.4	S0409	.07180	9.6892	2.0	F
9016	28624.12	46 51N	48 19E	75.1	189.5	2.530	2.45	60.4	S0409	.07180	9.6727	2.0	A
9017	28672.52	43 14N	46 42E	77.1	189.0	2.530	-16.80	63.0	S0409	.07180	9.3838	0.4	F
9018	28682.12	42 40N	47 28E	76.8	188.9	2.530	14.00	63.8	S0409	.04070	9.5737	0.6	V
9019	28684.92	42 40N	47 28E	77.9	188.8	2.530	14.35	63.8	S0409	.04070	9.3096	0.6	A
9020	28767.12	36 44N	45 8E	76.9	188.1	2.881	-14.70	67.5	S0409	.05390	9.4251	1.0	F
9021	28772.72	36 44N	45 9E	76.6	188.1	2.881	-13.65	67.5	S0409	.05390	9.4746	0.8	A
9022	28817.92	33 14N	44 31E	76.0	187.8	3.092	-8.40	69.6	S0409	.05390	9.5406	0.6	F
9023	28823.32	33 14N	44 31E	75.9	187.8	3.092	-7.35	69.6	S0409	.05390	9.5571	0.6	A
9024	29715.32	27 59S	32 27E	114.9	187.4	3.232	-22.75	36.5	S0409	.05390	6.2642	0.8	V
9025	29719.72	27 59S	32 28E	116.2	187.4	3.232	-22.05	36.5	S0409	.05390	6.1239	0.8	A
1654 5001	33677.72	63 54N	34 17E	77.9	194.9	1.484	12.25	45.4	S0255	.03080	9.4343	0.4	V
5002	33945.72	45 43N	24 43E	85.7	189.4	2.037	-31.50	60.9	S0255	.02210	8.4438	0.6	F
5003	33951.52	45 18N	25 3E	77.9	189.3	2.390	-19.60	61.4	S0255	.02210	9.3022	0.6	F
9001	33603.52	68 39N	37 49E	78.2	198.3	1.338	5.60	40.8	S0409	.07180	9.2683	0.8	F
9002	33609.12	68 39N	37 49E	78.2	198.0	1.338	5.95	40.8	S0409	.07180	9.2765	0.8	A
9003	33637.12	66 33N	34 55E	78.4	196.6	1.338	-11.55	42.8	S0409	.09620	9.2353	0.8	F
9004	33642.72	66 33N	34 55E	78.2	196.3	1.338	-11.20	42.8	S0409	.09620	9.2848	0.8	A
9005	33677.52	63 54N	34 17E	77.9	194.9	1.484	12.25	45.4	S0409	.07180	9.4334	0.6	V
9006	33731.92	60 15N	30 28E	80.8	193.2	1.484	-21.35	48.6	S0409	.07180	8.9547	0.4	F
9007	33737.72	60 15N	30 27E	80.6	193.1	1.690	-21.35	48.6	S0409	.07180	9.0207	0.4	A
9008	33744.12	59 37N	30 8E	79.8	192.9	1.690	-21.70	49.2	S0409	.07180	9.2023	0.4	V
9009	33747.12	59 37N	30 7E	80.7	192.8	1.690	-21.70	49.2	S0409	.07180	9.0124	0.4	A
9010	33759.32	58 46N	29 50E	79.3	192.5	1.826	-19.25	49.9	S0409	.07180	9.1610	0.6	A
9011	33799.32	55 38N	28 54E	76.0	191.6	2.037	-9.80	52.8	S0409	.07180	9.5406	0.4	F
9012	33802.12	55 38N	28 54E	75.0	191.6	2.037	-9.45	52.8	S0409	.07180	9.7965	0.4	V
9013	33807.92	55 22N	29 19E	75.6	191.4	2.037	4.20	53.1	S0409	.07180	9.5984	0.4	A
9014	33811.92	54 56N	28 59E	74.3	191.4	2.037	0.00	53.5	S0409	.07180	9.8873	0.6	V
9015	33814.92	54 55N	28 56E	75.1	191.3	2.037	-0.70	53.5	S0409	.07180	9.6644	0.8	A
9016	33826.12	53 51N	27 47E	78.9	191.1	2.037	-19.95	54.3	S0409	.07180	9.1775	0.4	F
9017	33831.72	53 51N	27 48E	78.6	191.0	2.037	-19.25	54.3	S0409	.07180	9.2518	0.4	A
9018	33854.32	51 55N	27 21E	76.4	190.6	2.181	-13.30	56.0	S0409	.07180	9.4829	1.0	F
9019	33859.92	51 54N	27 21E	76.2	190.5	2.181	-12.60	56.0	S0409	.07180	9.5406	0.8	A
9020	33878.72	50 13N	27 3E	74.8	190.2	2.390	-5.25	57.5	S0409	.07180	9.6974	0.6	F
9021	33884.12	50 13N	27 3E	74.8	190.2	2.390	-4.55	57.5	S0409	.07180	9.7140	0.4	A
9022	33890.92	49 32N	27 9E	74.3	190.1	2.390	4.55	58.2	S0409	.07180	9.8873	2.0	V
9023	33893.92	49 20N	27 5E	74.3	190.0	2.390	4.55	58.3	S0409	.07180	9.8873	0.6	V
9024	33896.72	49 20N	27 4E	75.3	190.0	2.390	4.90	58.4	S0409	.07180	9.6397	0.4	A
9025	33899.12	49 10N	27 2E	75.3	189.9	2.390	5.25	58.5	S0409	.07180	9.6314	0.6	A
9026	33902.32	48 56N	26 60E	75.5	189.9	2.390	6.30	58.7	S0409	.07180	9.6067	0.6	A
9027	33920.92	47 42N	26 15E	74.8	189.7	2.530	-4.20	59.6	S0409	.07180	9.7140	0.6	A
9028	33962.12	44 40N	25 38E	74.4	189.2	2.530	4.55	62.1	S0409	.07180	9.8790	0.6	V
9029	33964.92	44 40N	25 37E	75.3	189.1	2.530	4.90	62.1	S0409	.07180	9.6314	0.6	A
9030	33979.12	43 21N	25 1E	74.7	189.0	2.738	-3.85	63.0	S0409	.04070	9.7140	0.8	F
9031	33984.32	43 22N	25 1E	74.7	188.9	2.738	-3.15	63.0	S0409	.04070	9.7140	1.0	A
9032	33989.92	42 36N	24 54E	74.6	188.9	2.738	-1.05	63.6	S0409	.07180	9.7305	0.4	F
9033	33992.52	42 36N	24 54E	73.8	188.9	2.738	-0.70	63.6	S0409	.07180	9.9533	0.4	V
9034	33999.12	42 12N	24 20E	75.9	188.8	2.530	-15.75	63.8	S0409	.07180	9.6727	0.6	V
9035	34001.92	42 12N	24 19E	76.7	188.8	2.738	-15.75	63.8	S0409	.07180	9.4746	0.6	A
9036	34008.72	41 35N	23 46E	81.8	188.7	2.530	-28.00	64.0	S0409	.04070	8.9877	0.6	V
9037	34011.72	41 35N	23 46E	82.5	188.7	2.530	-27.65	64.0	S0409	.04070	8.8309	0.6	A
9038	34134.32	32 45N	21 54E	80.1	187.8	2.738	-22.40	69.5	S0409	.05390	9.0372	0.4	F
9039	34137.12	32 45N	21 55E	78.9	187.7	2.738	-21.70	69.5	S0409	.05390	9.3096	0.4	V
9040	34675.92	4 20S	15 21E	90.3	186.5	3.587	-8.75	57.9	S0409	.05390	8.0551	1.0	V
9041	34679.32	4 20S	15 21E	91.5	186.5	3.587	-8.40	57.9	S0409	.05390	7.8405	1.0	A
9042	34689.32	5 13S	14 54E	92.9	186.5	3.587	-19.60	57.0	S0409	.05390	7.8240	0.6	V
9043	34692.92	5 14S	14 53E	94.0	186.6	3.587	-19.25	57.0	S0409	.05390	7.6425	0.6	A
1655 5001	39460.12	31 45N	0 32W	80.9	187.7	2.738	-25.20	69.9	S0255	.02210	9.0711	0.6	V
9001	39159.52	52 3N	5 54E	75.3	190.7	2.390	3.50	56.0	S0409	.07180	9.6397	0.6	F
9002	39164.92	52 3N	5 54E	75.4	190.6	2.181	4.55	56.0	S0409	.07180	9.6232	0.6	A
9003	39202.72	49 10N	4 23E	75.7	190.0	2.390	-11.55	58.3	S0409	.07180	9.5819	1.0	F
9004	39208.12	49 10N	4 23E	75.6	189.9	2.390	-10.85	58.3	S0409	.07180	9.6232	1.0	A
9005	39223.72	47 37N	4 53E	79.8	189.7	2.390	18.20	59.9	S0409	.05390	9.1197	1.0	F
9006	39229.52	47 37N	4 53E	80.3	189.7	2.181	19.25	59.9	S0409	.05390	9.0372	0.8	A
9007	39288.72	43 15N	2 59E	74.8	189.0	2.738	-0.35	63.2	S0409	.07180	9.7140	1.0	F
9008	39294.12	43 15N	2 59E	74.9	188.9	2.738	0.70	63.2	S0409	.07180	9.6892	0.8	A
1657 9001	50861.12	22 9S	54 55W	112.1	187.0	3.232	-26.60	41.9	S0409	.05390	6.4458	1.4	V
9002	50872.32	22 45S	54 9W	104.7	187.1	3.232	-0.35	41.8	S0409	.05390	6.8006	1.4	A
9003	51042.72	34 40S	58 14W	137.1	187.9	2.738	-35.70	30.0	S0409	.04070	5.1666	1.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1657 9004	51047.72	34 40S	58 14W	135.4	187.9	2.738	-35.35	30.0	SO409	.04070	5.3069	1.4	V
9005	51056.52	35 3S	57 32W	120.2	188.0	3.092	-19.25	30.0	SO409	.05390	5.9093	0.6	A
9006	51097.72	37 54S	57 34W	117.6	188.3	2.881	-3.85	27.5	SO409	.05390	6.0084	1.4	A
1658 9001	55576.72	18 28N	69 18W	82.5	186.9	3.439	-18.90	71.7	SO409	.05390	8.7896	0.8	A
9002	55689.32	10 14N	70 3W	84.8	186.6	3.232	10.50	68.9	SO409	.05390	8.5503	1.4	F
9003	55702.52	9 19N	70 13W	84.7	186.6	3.232	10.50	68.4	SO409	.05390	8.5750	1.4	F
9004	55735.72	7 16N	70 45W	83.8	186.6	3.439	3.85	67.0	SO409	.05390	8.7153	1.4	V
9005	55746.92	6 18N	71 6W	84.4	186.6	3.587	-3.85	66.2	SO409	.05390	8.5668	0.6	F
9006	55754.52	6 1N	71 21W	84.6	186.6	3.587	-11.55	65.8	SO409	.05390	8.6328	1.2	V
9007	55775.32	4 46N	71 18W	85.7	186.5	3.439	-0.35	65.2	SO409	.05390	8.4017	1.4	A
9008	55777.72	4 36N	71 20W	85.7	186.5	3.439	-0.35	65.1	SO409	.05390	8.3935	1.0	A
9009	55896.92	3 44S	73 18W	93.3	186.5	3.587	-19.95	58.3	SO409	.04070	7.7993	1.4	V
9010	55964.92	8 20S	74 34W	106.8	186.6	3.232	-32.90	54.1	SO409	.05390	6.7924	1.2	V
9011	56036.32	13 6S	74 11W	97.9	186.7	3.232	8.75	50.7	SO409	.05390	7.2958	1.4	A
9012	56069.52	15 18S	75 7W	99.4	186.8	3.587	-9.80	48.5	SO409	.05390	7.1885	1.4	A
1660 9001	65984.72	31 60N	110 18W	75.3	187.7	3.092	0.35	70.3	SO409	.05390	9.6397	0.6	F
9002	65990.12	31 60N	110 18W	75.5	187.7	3.092	1.40	70.3	SO409	.05390	9.5984	0.6	A
1665 9001	5908.31	47 18N	142 47E	74.8	189.6	2.530	-7.35	59.8	SO409	.05390	9.7057	0.8	F
9002	5913.71	47 18N	142 47E	74.7	189.6	2.530	-6.65	59.8	SO409	.05390	9.7305	0.8	A
9003	5919.51	46 41N	142 49E	73.7	189.5	2.530	-0.35	60.3	SO409	.07180	9.9780	0.4	V
9004	5922.11	46 42N	142 49E	74.5	189.5	2.530	0.00	60.3	SO409	.07180	9.7387	0.4	A
1666 5001	11381.51	36 3N	117 38E	75.4	188.1	2.738	-9.10	67.9	SO255	.01660	9.6076	1.2	F
5002	11386.91	36 3N	117 38E	75.5	188.0	2.738	-8.40	67.9	SO255	.01660	9.6241	1.2	A
9001	11302.31	41 24N	119 36E	77.4	188.7	2.738	12.95	64.6	SO409	.05390	9.4086	0.4	F
9002	11310.31	40 56N	118 48E	74.7	188.6	2.738	-10.50	64.6	SO409	.07180	9.7057	1.0	F
9003	11316.11	40 32N	118 48E	74.1	188.6	2.738	-6.65	65.0	SO409	.07180	9.7965	0.4	F
9004	11324.11	40 13N	118 12E	79.1	188.5	2.530	-23.45	64.9	SO409	.05390	9.2765	0.4	V
9005	11332.31	39 46N	118 46E	74.8	188.5	2.881	-0.35	65.6	SO409	.07180	9.6974	0.6	A
9006	11374.71	36 45N	117 17E	80.9	188.1	2.530	-25.90	67.2	SO409	.04070	9.0620	0.8	V
9007	11381.51	36 2N	117 38E	75.5	188.1	2.738	-9.10	67.9	SO409	.05390	9.6067	1.0	F
9008	11386.91	36 2N	117 38E	75.4	188.0	2.738	-8.40	67.9	SO409	.05390	9.6232	1.0	A
9009	11435.51	32 22N	116 17E	83.3	187.7	2.738	-27.30	69.5	SO409	.04070	8.6741	0.8	F
9010	11555.31	24 26N	115 22E	77.6	187.1	3.232	-0.35	72.5	SO409	.05390	9.3343	0.6	A
9011	11560.51	24 5N	115 21E	77.7	187.1	3.232	1.75	72.6	SO409	.05390	9.3178	0.6	A
9012	11777.71	8 57N	112 20E	82.6	186.6	3.439	-7.35	67.9	SO409	.05390	8.8474	1.0	V
1667 9001	16629.71	40 15N	97 22E	78.9	188.5	2.530	19.25	65.5	SO409	.05390	9.3261	0.6	V
9002	16632.71	40 15N	97 22E	80.0	188.5	2.530	19.60	65.5	SO409	.05390	9.0537	0.6	A
9003	16666.91	37 38N	95 43E	75.0	188.2	2.738	-15.75	66.8	SO409	.07180	9.6644	0.6	F
9004	16672.31	37 38N	95 43E	74.9	188.2	2.881	-15.05	66.8	SO409	.07180	9.7140	0.6	A
1668 5001	21505.31	69 22N	88 10E	77.6	198.8	1.135	-5.60	39.9	SO255	.03080	9.3270	0.6	F
5002	21511.11	69 21N	88 15E	77.4	198.5	1.135	-3.50	39.9	SO255	.03080	9.3930	0.6	A
5003	21793.11	50 2N	78 57E	93.1	190.2	1.826	35.35	57.9	SO255	.02210	7.9155	1.0	V
5004	21796.51	50 2N	78 57E	94.2	190.1	1.826	35.35	57.9	SO255	.02210	7.7009	1.0	A
5005	22022.31	34 39N	71 50E	101.8	187.9	2.181	-44.80	67.9	SO255	.01660	7.1892	1.0	V
5006	22027.11	34 34N	71 50E	102.1	187.9	2.390	-44.45	67.9	SO255	.01660	7.1479	0.8	A
5007	22056.71	31 56N	72 43E	75.7	187.7	3.092	-0.35	70.2	SO255	.01660	9.5993	0.4	F
5008	22059.31	31 57N	72 43E	74.9	187.7	3.092	0.00	70.2	SO255	.01660	9.8057	0.4	V
5009	22073.71	30 47N	72 18E	76.1	187.6	3.092	-7.35	70.6	SO255	.01660	9.5168	1.0	F
5010	22079.31	30 47N	72 17E	76.2	187.6	3.092	-6.65	70.6	SO255	.01660	9.5250	0.8	A
9001	21505.11	69 23N	88 10E	77.6	198.9	1.135	-5.60	39.9	SO409	.07180	9.3261	0.6	F
9002	21510.91	69 21N	88 16E	77.3	198.5	1.135	-3.50	39.9	SO409	.07180	9.3921	0.6	A
9003	21545.71	66 41N	85 58E	76.8	196.7	1.338	-2.10	42.5	SO409	.07180	9.4334	1.0	F
9004	21551.11	66 42N	85 58E	76.7	196.5	1.338	-1.75	42.5	SO409	.07180	9.4581	1.0	A
9005	21789.91	50 1N	78 57E	93.5	190.2	2.037	34.65	57.9	SO409	.05390	7.7910	0.8	F
9006	21793.11	50 1N	78 57E	93.1	190.2	1.826	35.35	57.9	SO409	.05390	7.9148	1.0	V
9007	21796.51	50 1N	78 56E	94.2	190.1	1.826	35.35	57.9	SO409	.05390	7.7002	1.0	A
9008	21887.31	43 36N	75 14E	75.2	189.0	2.530	-11.90	62.6	SO409	.05390	9.6397	0.8	F
9009	21892.71	43 36N	75 13E	75.1	189.0	2.738	-11.55	62.6	SO409	.05390	9.6809	0.8	A
9010	21898.11	42 53N	74 51E	76.9	188.9	2.530	-17.50	63.1	SO409	.05390	9.4168	0.8	F
9011	21903.51	42 53N	74 51E	76.7	188.9	2.738	-17.15	63.1	SO409	.05390	9.4829	0.8	A
9012	22059.31	31 56N	72 43E	74.9	187.7	3.092	0.00	70.2	SO409	.05390	9.8047	0.4	V
9013	22062.11	31 56N	72 43E	75.8	187.7	3.092	0.35	70.2	SO409	.05390	9.5571	0.4	A
9014	22073.71	30 47N	72 17E	76.2	187.6	3.092	-7.35	70.6	SO409	.05390	9.5159	0.8	F
9015	22079.11	30 47N	72 17E	76.2	187.6	3.092	-6.65	70.6	SO409	.05390	9.5241	1.0	A
9016	22126.71	27 7N	71 43E	76.9	187.3	3.232	0.35	72.0	SO409	.05390	9.4334	0.8	F
9017	22132.11	27 7N	71 44E	77.2	187.3	3.232	1.40	72.0	SO409	.05390	9.3838	1.0	A
1669 5001	26959.91	59 49N	60 12E	79.0	193.0	1.826	15.05	49.0	SO255	.03080	9.1949	0.6	A
5002	26995.51	57 19N	60 6E	96.8	192.1	1.484	37.10	51.4	SO255	.02210	7.5028	0.8	A
5003	27002.51	56 50N	59 60E	99.8	191.9	1.484	39.20	51.9	SO255	.02210	7.2800	0.6	A
5004	27049.91	53 41N	55 59E	77.9	191.0	2.037	-20.30	54.2	SO255	.03080	9.4260	0.6	V
5005	27133.91	47 47N	53 42E	83.6	189.7	2.037	-28.70	59.1	SO255	.02210	8.6584	0.6	F
5006	27136.91	47 47N	53 42E	82.4	189.7	2.037	-28.35	59.1	SO255	.02210	8.9060	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1669 9001	26959.91	59 48N	60 12E	78.9	193.0	1.826	15.05	49.0	S0409	.07180	9.1940	0.6	A
9002	26968.11	58 51N	59 51E	80.1	192.7	1.826	17.85	49.9	S0409	.05390	9.0867	0.6	F
9003	26970.91	58 51N	59 51E	79.3	192.7	1.826	18.20	49.9	S0409	.05390	9.2765	0.6	V
9004	26974.91	58 36N	59 39E	78.6	192.6	1.826	16.80	50.1	S0409	.07180	9.3508	0.8	V
9005	26977.91	58 35N	59 39E	79.7	192.5	1.826	17.15	50.1	S0409	.07180	9.1115	0.8	A
9006	26984.11	58 9N	59 39E	82.0	192.3	1.826	21.70	50.6	S0409	.05390	8.8474	0.4	A
9007	27047.11	53 41N	55 59E	79.0	191.0	2.037	-20.65	54.2	S0409	.07180	9.1610	0.6	F
9008	27055.51	53 6N	55 50E	78.3	190.9	2.037	-19.25	54.7	S0409	.07180	9.2518	0.8	F
9009	27061.11	53 6N	55 50E	77.9	190.8	2.181	-18.55	54.7	S0409	.07180	9.3261	0.8	A
9010	27066.31	52 21N	55 43E	76.6	190.7	2.181	-15.05	55.4	S0409	.07180	9.4581	0.8	F
9011	27071.71	52 22N	55 44E	76.4	190.6	2.181	-14.35	55.4	S0409	.07180	9.5159	1.0	A
9012	27079.71	51 40N	55 5E	80.2	190.5	2.037	-24.85	55.9	S0409	.07180	9.1527	0.6	V
9013	27082.51	51 41N	55 5E	80.9	190.4	2.037	-24.50	55.9	S0409	.07180	8.9877	0.6	A
9014	27136.71	47 47N	53 42E	82.4	189.7	2.037	-28.35	59.1	S0409	.05390	8.9052	0.6	V
9015	27139.71	47 47N	53 42E	83.1	189.6	2.037	-28.00	59.1	S0409	.05390	8.7566	0.6	A
9016	27799.11	2 8N	45 17E	89.2	186.5	3.232	11.55	63.6	S0409	.05390	8.1789	0.6	V
9017	27802.51	2 8N	45 17E	90.7	186.5	3.232	12.25	63.6	S0409	.05390	7.9065	0.6	A
1670 5001	32190.91	64 34N	40 17E	76.2	195.4	1.484	0.00	44.5	S0255	.04000	9.5168	0.4	F
5002	32196.51	64 33N	40 16E	76.3	195.2	1.484	0.35	44.5	S0255	.04000	9.5250	0.4	A
5003	32212.71	62 57N	40 28E	84.1	194.6	1.690	23.45	46.1	S0255	.03080	8.6419	0.4	F
5004	32218.71	62 57N	40 29E	84.5	194.4	1.484	24.15	46.1	S0255	.03080	8.5923	0.4	A
5005	32304.71	56 45N	37 8E	85.5	192.0	2.037	26.25	51.8	S0255	.02210	8.5181	0.8	F
5006	32310.71	56 23N	36 44E	82.3	191.9	2.037	22.05	52.1	S0255	.02210	8.8317	0.4	F
5007	32316.51	56 24N	36 45E	83.0	191.8	1.826	23.10	52.1	S0255	.02210	8.7492	0.6	A
5008	32321.31	55 38N	36 39E	86.2	191.7	2.037	27.30	52.9	S0255	.02210	8.4438	0.4	F
5009	32327.51	55 38N	36 40E	87.0	191.5	1.826	28.35	52.9	S0255	.02210	8.3365	0.4	A
5010	32357.71	53 21N	34 16E	75.0	191.0	2.181	-7.70	54.6	S0255	.03080	9.6571	0.4	F
5011	32363.11	53 21N	34 16E	75.0	190.9	2.181	-7.00	54.6	S0255	.03080	9.6901	0.4	A
5012	32416.51	49 33N	34 52E	102.2	190.0	1.690	40.95	58.3	S0255	.01660	7.0736	0.4	A
5013	32456.31	46 40N	31 34E	78.8	189.5	2.181	-21.00	60.1	S0255	.02210	9.1784	0.4	F
5014	32461.91	46 40N	31 34E	78.7	189.5	2.390	-20.65	60.1	S0255	.02210	9.2527	0.4	A
9001	32190.91	64 33N	40 16E	76.3	195.4	1.484	0.00	44.5	S0409	.09620	9.5159	0.4	F
9002	32193.51	64 34N	40 17E	75.4	195.3	1.484	0.35	44.5	S0409	.09620	9.7387	0.6	V
9003	32196.31	64 34N	40 16E	76.2	195.2	1.484	0.35	44.5	S0409	.09620	9.5241	0.6	A
9004	32212.71	62 56N	40 28E	84.1	194.6	1.690	23.45	46.1	S0409	.07180	8.6411	0.2	F
9005	32218.71	62 57N	40 28E	84.4	194.4	1.484	24.15	46.1	S0409	.07180	8.5915	0.4	A
9006	32275.91	59 13N	37 8E	75.4	192.7	1.826	1.05	49.4	S0409	.07180	9.6232	0.6	A
9007	32310.71	56 23N	36 44E	82.4	191.9	2.037	22.05	52.1	S0409	.07180	8.8309	0.4	F
9008	32316.51	56 23N	36 45E	82.9	191.8	1.826	23.10	52.1	S0409	.07180	8.7484	0.4	A
9009	32321.11	55 38N	36 39E	86.3	191.7	2.037	27.30	52.9	S0409	.05390	8.4430	0.4	F
9010	32327.31	55 38N	36 40E	87.0	191.5	1.826	28.35	52.9	S0409	.05390	8.3357	0.4	A
9011	32336.71	54 44N	35 10E	75.1	191.4	2.181	1.75	53.5	S0409	.07180	9.6727	0.4	F
9012	32344.71	54 15N	34 22E	76.4	191.2	2.037	-13.65	53.8	S0409	.07180	9.4911	0.6	F
9013	32350.11	54 15N	34 23E	76.1	191.1	2.181	-12.95	53.8	S0409	.07180	9.5406	0.6	A
9014	32357.71	53 21N	34 15E	75.1	191.0	2.181	-7.70	54.6	S0409	.07180	9.6562	0.4	F
9015	32360.31	53 21N	34 16E	74.2	190.9	2.181	-7.35	54.6	S0409	.07180	9.9038	0.4	V
9016	32363.11	53 21N	34 16E	75.0	190.9	2.181	-7.00	54.6	S0409	.07180	9.6892	0.4	A
9017	32381.11	51 45N	33 44E	74.8	190.6	2.181	-5.95	56.0	S0409	.07180	9.7057	0.4	F
9018	32385.31	51 40N	33 28E	74.9	190.5	2.181	-12.25	56.0	S0409	.07180	9.8047	0.6	V
9019	32393.71	50 52N	33 42E	74.8	190.4	2.390	2.10	56.8	S0409	.07180	9.7057	0.4	F
9020	32399.71	50 50N	33 31E	74.5	190.3	2.390	-2.45	56.8	S0409	.07180	9.7387	0.4	A
9021	32450.31	47 3N	31 56E	76.1	189.6	2.390	-13.65	59.8	S0409	.07180	9.5324	0.4	F
9022	32451.91	46 57N	31 54E	76.1	189.6	2.390	-13.65	59.9	S0409	.07180	9.5324	0.4	F
9023	32456.31	46 40N	31 34E	78.9	189.5	2.181	-21.00	60.1	S0409	.07180	9.1775	0.4	F
9024	32461.91	46 40N	31 33E	78.6	189.5	2.390	-20.65	60.1	S0409	.07180	9.2518	0.4	A
9025	32541.71	40 48N	30 1E	78.4	188.6	2.530	-19.95	64.5	S0409	.05390	9.2270	1.2	F
9026	32547.31	40 48N	30 1E	78.2	188.6	2.738	-19.60	64.5	S0409	.05390	9.2931	1.2	A
1671 5001	37667.31	53 10N	12 60E	78.2	190.9	2.181	16.80	54.9	S0255	.03080	9.4012	0.4	V
5002	37670.31	53 10N	12 60E	79.4	190.9	2.181	17.15	55.0	S0255	.02210	9.1619	0.4	A
5003	37688.51	51 20N	13 34E	104.5	190.5	1.826	42.00	56.8	S0255	.02210	6.9993	0.4	F
9001	37648.11	54 27N	13 35E	79.0	191.3	2.037	18.20	53.8	S0409	.07180	9.3013	0.6	V
9002	37650.91	54 28N	13 35E	80.1	191.2	2.037	18.55	53.8	S0409	.07180	9.0455	0.6	A
9003	37655.91	53 57N	13 13E	77.3	191.1	2.037	14.70	54.2	S0409	.07180	9.5076	0.6	V
9004	37658.71	53 57N	13 14E	78.4	191.1	2.037	15.05	54.2	S0409	.07180	9.2518	0.6	A
9005	37697.91	50 55N	13 57E	76.7	190.4	2.390	11.20	56.8	S0409	.07180	9.4829	0.4	F
9006	37703.11	50 32N	12 4E	79.6	190.3	2.390	18.20	57.2	S0409	.07180	9.1445	1.0	F
9007	37708.71	50 32N	12 5E	80.0	190.2	2.181	19.25	57.2	S0409	.07180	9.0620	1.2	A
1673 9001	49092.51	2 33S	44 14W	90.2	186.5	3.439	1.05	59.8	S0409	.05390	7.9478	1.4	A
9002	49312.11	17 17S	48 19W	126.3	186.8	3.232	-40.25	46.3	S0409	.04070	5.6700	1.2	A
9003	49318.51	18 6S	47 55W	109.2	186.9	3.232	-27.65	45.8	S0409	.05390	6.6273	1.4	V
9004	49326.51	18 38S	48 11W	113.4	186.9	3.232	-31.50	45.2	S0409	.05390	6.3715	1.4	V
9005	49329.91	18 52S	48 13W	113.6	186.9	3.232	-31.50	45.0	S0409	.05390	6.3632	1.0	V
9006	49338.51	19 45S	47 57W	105.9	186.9	3.232	-19.95	44.4	S0409	.05390	6.7429	1.0	F
9007	49365.31	21 49S	46 34W	124.4	187.0	2.390	31.50	43.4	S0409	.05390	5.7773	1.0	F
9008	49371.51	21 56S	46 30W	126.3	187.0	2.181	33.60	43.3	S0409	.05390	5.7030	0.8	V
9009	49376.31	21 57S	46 29W	129.4	187.0	2.181	34.30	43.4	S0409	.04070	5.4802	0.6	A
9010	49395.31	23 34S	46 44W	129.8	187.1	2.037	34.65	41.9	S0409	.04070	5.5544	0.4	V
9011	49400.11	23 33S	46 44W	132.7	187.1	1.826	35.35	41.9	S0409	.04070	5.3316	0.4	A
1674 9001	54215.11	9 29N	64 28W	83.3	186.6	3.439	-9.80	68.2	S0409	.05390	8.6658	1.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1674 9002	54224.51	8 59N	64 8W	83.7	186.6	3.232	7.70	68.3	S0409	.05390	8.7236	1.4	V
9003	54599.51	16 28S	68 10W	106.9	186.8	2.738	21.35	48.1	S0409	.05390	6.6438	1.4	A
9004	54620.11	18 13S	70 32W	126.0	186.9	3.092	-39.55	45.4	S0409	.04070	5.6617	0.6	F
9005	54625.51	18 0S	70 16W	117.5	186.9	3.439	-33.95	45.8	S0409	.03070	6.1074	1.4	A
9006	54630.11	18 19S	70 21W	118.5	186.9	3.439	-34.30	45.5	S0409	.05390	6.0496	1.2	A
9007	54835.51	32 59S	71 34W	117.1	187.7	2.738	13.65	32.7	S0409	.05390	6.0909	0.6	F
9008	54840.11	33 1S	71 37W	115.6	187.8	2.530	12.95	32.6	S0409	.07180	6.2147	0.8	V
9009	54844.51	33 1S	71 37W	117.5	187.8	2.530	13.30	32.7	S0409	.07180	6.0084	0.8	A
9010	54889.91	36 35S	72 59W	115.3	188.1	2.881	-1.40	29.1	S0409	.05390	6.1652	2.2	F
9011	54898.51	36 35S	73 5W	116.0	188.1	2.881	-2.80	29.0	S0409	.05390	6.0909	2.2	A
1675 9001	59033.31	42 56N	78 46W	78.6	188.9	2.530	17.85	63.4	S0409	.05390	9.3591	3.2	V
9002	59070.31	40 27N	79 59W	73.7	188.6	2.738	0.35	65.0	S0409	.05390	9.9615	3.0	V
9003	59328.51	22 29N	83 38W	80.6	187.1	3.092	11.55	72.8	S0409	.05390	9.0124	0.4	F
9004	59337.31	22 7N	84 9W	77.3	187.0	3.232	-5.60	72.5	S0409	.07180	9.4429	0.8	V
1677 5001	68576.71	62 58N	40 48E	95.3	345.7	-1.318	19.25	-3.3	S0255	.29590	7.5276	0.4	F
5002	68580.11	62 59N	40 55E	93.0	345.5	-1.318	17.15	-3.4	S0255	.29590	7.8247	1.0	V
5003	68583.91	63 1N	40 59E	93.3	345.4	-1.318	15.40	-3.3	S0255	.29590	7.7339	1.0	A
9001	68576.51	62 57N	40 48E	95.3	345.7	-1.318	19.25	-3.3	S0409	.29610	7.5269	0.6	F
9002	68580.11	62 59N	40 54E	93.0	345.5	-1.318	17.15	-3.3	S0409	.29610	7.8240	0.8	V
9003	68583.91	63 1N	40 59E	93.2	345.4	-1.318	15.40	-3.3	S0409	.29610	7.7332	0.8	A
1681 5001	4456.30	44 45N	147 23E	87.0	189.2	2.181	-32.90	61.3	S0255	.01660	8.2952	0.8	F
5002	4462.50	44 45N	147 22E	86.6	189.1	2.390	-32.55	61.3	S0255	.01660	8.4190	0.8	A
9001	4452.10	45 2N	147 37E	83.7	189.2	2.181	-29.05	61.1	S0409	.04070	8.6328	0.6	F
9002	4456.10	44 46N	147 23E	87.0	189.2	2.181	-32.90	61.3	S0409	.04070	8.2944	1.0	F
9003	4462.30	44 46N	147 23E	86.5	189.1	2.390	-32.55	61.3	S0409	.04070	8.4182	1.0	A
1682 5001	9837.70	39 50N	124 26E	78.9	188.5	2.530	-21.00	65.1	S0255	.03080	9.1619	0.4	F
5002	9843.30	39 50N	124 25E	78.8	188.5	2.738	-20.65	65.1	S0255	.03080	9.2444	0.4	A
5003	9854.30	38 46N	125 14E	78.2	188.4	2.738	15.75	66.3	S0255	.03080	9.4012	0.4	V
5004	9857.30	38 45N	125 13E	79.3	188.3	2.738	16.10	66.3	S0255	.03080	9.1371	0.4	A
5005	9959.90	31 26N	122 15E	85.2	187.6	2.738	-29.75	69.8	S0255	.01660	8.4768	0.4	F
5006	9962.90	31 26N	122 15E	84.0	187.6	2.738	-29.40	69.8	S0255	.01660	8.7327	0.4	V
5007	9982.30	29 54N	121 57E	84.9	187.5	2.881	-29.05	70.4	S0255	.02210	8.4933	0.4	F
5008	9988.50	29 53N	121 57E	84.4	187.5	2.881	-28.00	70.4	S0255	.02210	8.6254	0.4	A
5009	10054.90	24 53N	121 16E	79.9	187.2	3.092	-18.20	72.0	S0255	.02210	9.0463	0.4	F
5010	10060.70	24 52N	121 16E	79.7	187.2	3.232	-17.15	72.0	S0255	.02210	9.1123	0.4	A
5011	10086.10	22 45N	120 25E	89.8	187.1	2.881	-32.55	71.8	S0255	.01660	8.0228	1.0	F
5012	10092.50	22 45N	120 25E	89.6	187.1	3.092	-32.20	71.8	S0255	.02210	8.1219	1.0	A
5013	10433.90	1 15S	116 50E	88.9	186.5	3.587	-6.30	60.8	S0255	.02210	8.1219	0.6	F
5014	10440.50	1 16S	116 50E	89.3	186.5	3.587	-5.25	60.8	S0255	.02210	8.0641	0.4	A
9001	9661.50	51 51N	128 18E	75.5	190.6	2.181	-10.15	55.7	S0409	.07180	9.5984	0.6	F
9002	9666.90	51 51N	128 18E	75.4	190.5	2.181	-9.45	55.7	S0409	.07180	9.6397	0.6	A
9003	9672.90	51 12N	128 35E	74.4	190.4	2.181	4.90	56.4	S0409	.05390	9.8708	0.6	V
9004	9675.70	51 12N	128 35E	75.4	190.4	2.181	5.25	56.4	S0409	.05390	9.6314	0.4	A
9005	9679.50	50 56N	128 32E	75.6	190.3	2.181	6.30	56.6	S0409	.07180	9.5984	1.0	A
9006	9685.50	50 32N	128 19E	75.2	190.2	2.181	4.20	57.0	S0409	.05390	9.6562	0.6	A
9007	9752.30	45 37N	126 40E	74.7	189.3	2.530	1.05	61.0	S0409	.07180	9.7305	0.6	F
9008	9757.50	45 37N	126 40E	74.8	189.3	2.530	2.10	61.0	S0409	.07180	9.7057	0.6	A
9009	9778.70	43 57N	126 32E	76.5	189.1	2.530	12.95	62.5	S0409	.05390	9.6067	0.4	V
9010	9781.50	43 57N	126 32E	77.6	189.0	2.530	13.30	62.5	S0409	.05390	9.3508	0.4	A
9011	9787.70	43 18N	126 35E	79.3	189.0	2.530	19.95	63.0	S0409	.05390	9.2765	0.4	V
9012	9790.50	43 19N	126 35E	80.5	188.9	2.530	20.30	63.0	S0409	.05390	9.0124	0.4	A
9013	9799.70	42 27N	126 36E	84.6	188.8	2.390	26.95	63.8	S0409	.05390	8.6823	0.4	V
9014	9802.90	42 27N	126 36E	85.9	188.8	2.390	27.30	63.8	S0409	.05390	8.4182	0.4	A
9015	9811.90	41 53N	125 44E	75.3	188.7	2.738	5.95	63.9	S0409	.07180	9.6314	0.6	A
9016	9829.90	40 18N	125 10E	74.7	188.6	2.881	0.00	65.0	S0409	.05390	9.7305	1.0	F
9017	9837.50	39 50N	124 26E	78.9	188.5	2.530	-21.00	65.1	S0409	.07180	9.1610	0.4	F
9018	9843.10	39 50N	124 25E	78.7	188.5	2.738	-20.65	65.1	S0409	.07180	9.2435	0.4	A
9019	9854.30	38 45N	125 13E	78.1	188.4	2.738	15.75	66.3	S0409	.07180	9.4003	0.4	V
9020	9857.10	38 46N	125 13E	79.3	188.3	2.738	16.10	66.3	S0409	.07180	9.1362	0.4	A
9021	9959.90	31 26N	122 15E	85.3	187.6	2.738	-29.75	69.8	S0409	.04070	8.4760	0.4	F
9022	9962.90	31 26N	122 15E	84.0	187.6	2.738	-29.40	69.8	S0409	.04070	8.7318	0.4	V
9023	9969.90	30 43N	122 30E	78.1	187.6	3.092	-16.45	70.4	S0409	.05390	9.2765	0.4	F
9024	9972.50	30 44N	122 30E	77.1	187.6	3.092	-16.10	70.4	S0409	.05390	9.5241	0.4	V
9025	9976.70	30 27N	122 26E	77.2	187.6	3.092	-16.45	70.5	S0409	.05390	9.5076	0.6	V
9026	9982.30	29 53N	121 57E	85.0	187.5	2.881	-29.05	70.4	S0409	.05390	8.4925	0.4	F
9027	9985.30	29 53N	121 57E	83.8	187.5	2.881	-28.70	70.4	S0409	.05390	8.7484	0.4	V
9028	9992.50	29 24N	121 51E	83.6	187.5	2.881	-28.70	70.6	S0409	.05390	8.7649	0.4	V
9029	9997.70	29 16N	121 42E	87.4	187.4	2.881	-31.85	70.6	S0409	.05390	8.3192	0.4	A
9030	10004.70	28 35N	121 26E	90.6	187.4	2.530	-35.70	70.7	S0409	.04070	8.0799	0.6	V
9031	10007.90	28 35N	121 26E	91.1	187.4	2.738	-35.35	70.7	S0409	.04070	7.9891	0.6	A
9032	10014.50	28 6N	121 31E	86.6	187.4	2.881	-30.45	71.0	S0409	.05390	8.3935	0.4	A
9033	10048.10	25 19N	121 32E	77.9	187.2	3.232	-11.20	72.1	S0409	.05390	9.3013	0.6	F
9034	10054.90	24 52N	121 16E	80.0	187.2	3.092	-18.20	72.0	S0409	.05390	9.0455	0.4	F
9035	10060.50	24 53N	121 16E	79.7	187.2	3.232	-17.15	72.0	S0409	.05390	9.1115	0.6	A
9036	10086.10	22 45N	120 25E	89.8	187.1	2.881	-32.55	71.8	S0409	.05390	8.0221	1.0	F
9037	10092.50	22 45N	120 25E	89.5	187.1	3.092	-32.20	71.8	S0409	.05390	8.1211	1.0	A
9038	10370.50	3 19N	117 36E	85.5	186.5	3.587	-7.00	64.2	S0409	.07180	8.5420	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1682 9039	10373.70	3 19N	117 36E	86.6	186.5	3.587	-6.30	64.3	S0409	.07180	8.3192	0.8	A
9040	10433.30	1 13S	116 50E	88.9	186.5	3.587	-6.30	60.8	S0409	.05390	8.1211	0.4	F
9041	10439.70	1 13S	116 50E	89.2	186.5	3.587	-5.25	60.8	S0409	.05390	8.0834	0.4	A
1683 5001	14763.10	65 57N	112 20E	84.1	196.1	0.995	-24.85	42.9	S0255	.03080	8.5923	0.4	F
5002	14769.10	65 57N	112 20E	83.9	195.9	1.338	-24.85	42.9	S0255	.03080	8.6666	0.6	A
5003	15188.70	37 0N	100 55E	94.8	188.2	2.037	-40.95	66.5	S0255	.01660	7.6019	0.8	F
5004	15195.30	37 1N	100 55E	94.1	188.1	2.390	-40.60	66.5	S0255	.01660	7.7504	1.0	A
9001	14755.30	66 29N	112 24E	87.7	196.5	0.995	-29.40	42.4	S0409	.07180	8.2449	0.4	F
9002	14758.30	66 29N	112 25E	86.4	196.3	0.995	-29.05	42.4	S0409	.07180	8.4925	0.6	V
9003	14763.10	65 56N	112 20E	84.2	196.1	0.995	-24.85	42.9	S0409	.07180	8.5915	0.4	F
9004	14769.10	65 57N	112 20E	83.8	195.9	1.338	-24.85	42.9	S0409	.07180	8.6658	0.4	A
9005	15171.30	38 31N	102 10E	76.6	188.3	2.738	-14.35	66.0	S0409	.05390	9.4911	0.4	A
9006	15188.50	37 0N	100 55E	94.9	188.2	2.037	-40.95	66.5	S0409	.04070	7.6012	1.0	F
9007	15191.90	37 0N	100 55E	93.4	188.1	2.037	-40.60	66.5	S0409	.04070	7.8570	0.8	V
9008	15195.30	37 0N	100 55E	94.1	188.1	2.390	-40.60	66.5	S0409	.04070	7.7497	0.8	A
1684 5001	20210.90	56 35N	85 1E	85.4	191.9	1.484	-29.40	51.4	S0255	.02210	8.4520	0.6	F
5002	20216.90	56 36N	85 0E	85.3	191.7	1.690	-29.40	51.4	S0255	.02210	8.5346	0.8	A
5003	20223.50	55 43N	84 54E	81.8	191.6	1.690	-24.85	52.2	S0255	.02210	8.8400	0.4	F
5004	20261.50	53 5N	84 26E	76.0	190.9	2.037	-11.90	54.6	S0255	.03080	9.5498	0.6	F
9001	20210.70	56 36N	85 1E	85.5	191.9	1.484	-29.40	51.4	S0409	.07180	8.4512	0.8	F
9002	20212.50	56 28N	84 58E	85.4	191.8	1.484	-29.40	51.5	S0409	.07180	8.4512	0.6	F
9003	20216.90	56 35N	84 60E	85.2	191.7	1.690	-29.40	51.4	S0409	.07180	8.5338	0.6	A
9004	20218.50	56 29N	84 57E	85.2	191.7	1.690	-29.40	51.5	S0409	.07180	8.5420	0.6	A
9005	20223.30	55 43N	84 54E	81.9	191.6	1.690	-24.85	52.2	S0409	.07180	8.8391	0.6	F
9006	20226.30	55 43N	84 53E	80.9	191.6	1.690	-24.85	52.2	S0409	.07180	9.0785	0.6	V
9007	20229.10	55 44N	84 52E	82.1	191.5	1.690	-25.20	52.2	S0409	.07180	8.8556	0.6	A
9008	20251.90	53 47N	83 57E	84.9	191.1	1.690	-29.40	53.9	S0409	.05390	8.5173	0.4	F
9009	20254.90	53 47N	83 57E	83.6	191.0	1.690	-29.05	53.9	S0409	.07180	8.7814	0.4	V
9010	20261.50	53 5N	84 26E	76.0	190.9	2.037	-11.90	54.6	S0409	.07180	9.5489	0.4	F
9011	20270.70	52 32N	85 6E	76.3	190.7	2.181	11.90	55.3	S0409	.07180	9.6314	0.8	V
9012	20273.70	52 32N	85 6E	77.3	190.7	2.181	12.25	55.3	S0409	.07180	9.3838	0.6	A
1685 5001	25506.50	57 11N	65 31E	83.8	192.2	1.826	23.80	51.2	S0255	.02210	8.6914	0.6	F
5002	25512.50	57 11N	65 30E	84.0	192.0	1.690	24.15	51.2	S0255	.02210	8.6419	0.6	A
5003	25601.10	51 13N	60 46E	86.6	190.4	1.690	-32.90	56.0	S0255	.02210	8.4768	0.4	V
5004	25604.30	50 60N	60 39E	87.6	190.3	1.690	-33.95	56.2	S0255	.02210	8.3777	0.4	V
5005	25609.10	50 50N	60 59E	81.6	190.3	2.037	-25.55	56.4	S0255	.02210	8.9390	0.4	A
5006	25686.10	45 10N	59 20E	81.0	189.4	2.181	-24.85	61.0	S0255	.02210	8.9143	0.8	F
5007	25692.50	45 7N	59 18E	81.0	189.2	2.390	-24.85	61.1	S0255	.02210	8.9885	0.8	A
9001	25596.50	51 19N	60 44E	89.4	190.4	1.690	-34.65	55.9	S0409	.05390	8.0881	0.4	F
9002	25601.10	51 12N	60 46E	86.6	190.4	1.690	-32.90	56.0	S0409	.05390	8.4760	0.4	V
9003	25604.30	50 59N	60 39E	87.6	190.3	1.690	-33.95	56.2	S0409	.05390	8.3770	0.4	V
9004	25608.90	50 50N	60 59E	81.6	190.3	2.037	-25.55	56.4	S0409	.07180	8.9382	0.4	A
9005	25686.10	45 9N	59 19E	81.1	189.4	2.181	-24.85	61.0	S0409	.05390	8.9134	1.4	F
9006	25691.90	45 10N	59 18E	81.0	189.2	2.390	-24.85	61.0	S0409	.05390	8.9877	1.4	A
9007	25789.50	37 58N	58 27E	76.2	188.3	2.881	7.35	66.7	S0409	.05390	9.5406	0.6	F
9008	25794.90	37 59N	58 27E	76.5	188.2	2.738	8.40	66.7	S0409	.05390	9.4746	0.6	A
1686 5001	30835.50	55 55N	41 13E	76.9	191.7	1.826	-14.35	52.1	S0255	.03080	9.4095	0.4	F
5002	30841.10	55 54N	41 13E	76.8	191.6	2.037	-14.00	52.1	S0255	.03080	9.4673	0.4	A
5003	30898.90	51 38N	39 1E	84.0	190.5	1.826	-28.70	55.7	S0255	.02210	8.5923	0.6	F
5004	30905.10	51 38N	39 1E	83.7	190.4	2.037	-28.35	55.7	S0255	.02210	8.7079	0.4	A
5005	31185.50	31 54N	34 48E	76.2	187.7	3.092	2.80	70.1	S0255	.02210	9.5250	0.4	F
5006	31190.90	31 55N	34 48E	76.6	187.7	3.092	3.85	70.2	S0255	.02210	9.4673	0.4	A
5007	31200.10	31 2N	35 9E	83.5	187.6	2.738	23.10	70.9	S0255	.02210	8.7904	0.6	V
5008	31203.10	31 2N	35 9E	84.9	187.6	2.738	23.45	71.0	S0255	.02210	8.5098	0.6	A
9001	30800.10	58 21N	41 41E	83.4	192.5	1.484	-26.60	49.8	S0409	.07180	8.6576	0.4	F
9002	30803.50	58 18N	41 46E	80.9	192.4	1.690	-24.50	49.9	S0409	.07180	9.0702	0.4	V
9003	30806.50	58 18N	41 47E	81.6	192.3	1.690	-24.15	49.9	S0409	.07180	8.9052	2.0	A
9004	30812.30	57 45N	41 12E	85.3	192.2	1.484	-30.45	50.3	S0409	.07180	8.5915	0.4	V
9005	30813.30	57 41N	41 11E	85.3	192.2	1.484	-30.45	50.4	S0409	.07180	8.5915	0.6	V
9006	30816.30	57 41N	41 11E	86.1	192.1	1.690	-30.45	50.4	S0409	.07180	8.4430	0.6	A
9007	30821.50	56 55N	40 50E	86.8	192.0	1.484	-31.15	51.1	S0409	.05390	8.3109	0.4	F
9008	30825.70	56 50N	40 51E	84.9	191.9	1.484	-30.10	51.2	S0409	.07180	8.6328	0.4	V
9009	30828.70	56 50N	40 51E	85.7	191.8	1.690	-30.10	51.1	S0409	.07180	8.4843	0.4	A
9010	30835.50	55 54N	41 13E	77.0	191.7	1.826	-14.35	52.1	S0409	.07180	9.4086	0.4	F
9011	30840.90	55 55N	41 13E	76.8	191.6	2.037	-14.00	52.1	S0409	.07180	9.4664	0.4	A
9012	30883.70	52 40N	39 28E	82.6	190.8	1.826	-26.60	54.8	S0409	.07180	8.7484	0.8	F
9013	30889.50	52 40N	39 27E	82.4	190.7	2.037	-26.60	54.8	S0409	.07180	8.8309	1.0	A
9014	30898.90	51 38N	39 1E	84.0	190.5	1.826	-28.70	55.7	S0409	.05390	8.5915	0.4	F
9015	30904.90	51 38N	39 1E	83.6	190.4	2.037	-28.35	55.7	S0409	.05390	8.7071	0.4	A
9016	30946.70	48 19N	40 12E	89.7	189.8	2.037	32.20	59.1	S0409	.05390	8.1871	0.8	V
9017	30949.90	48 20N	40 11E	90.7	189.8	2.037	32.20	59.1	S0409	.05390	7.9726	0.8	A
9018	30964.50	47 13N	38 52E	74.9	189.6	2.530	7.00	59.7	S0409	.07180	9.8212	0.6	V
9019	30967.30	47 13N	38 52E	75.8	189.6	2.530	7.35	59.7	S0409	.07180	9.5737	0.6	A
9020	30984.90	45 28N	39 26E	94.8	189.4	2.181	35.35	61.5	S0409	.05390	7.7085	0.8	F
9021	30988.10	45 29N	39 26E	94.1	189.3	2.181	35.70	61.5	S0409	.05390	7.8240	1.0	V
9022	31003.10	44 52N	37 21E	77.4	189.2	2.530	-18.20	61.3	S0409	.07180	9.3921	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLF RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1686 9023	31143.30	34 36N	36 35E	100.3	188.0	2.390	38.50	69.4	S0409	.03070	7.2793	1.0	F
9024	31150.50	34 36N	36 36E	101.8	187.9	2.181	39.55	69.4	S0409	.03070	7.1060	1.0	A
9025	31157.70	33 41N	36 1E	90.3	187.9	2.390	30.45	69.7	S0409	.05390	8.0716	1.0	F
9026	31160.90	33 41N	36 1E	89.7	187.8	2.390	30.80	69.8	S0409	.05390	8.1871	0.4	V
9027	31164.50	33 13N	35 58E	91.2	187.8	2.390	31.85	70.0	S0409	.05390	7.9891	0.4	F
9028	31167.70	33 13N	35 58E	90.6	187.8	2.390	32.20	70.0	S0409	.05390	8.0964	0.4	V
9029	31174.70	32 47N	35 25E	80.4	187.8	2.738	18.55	70.0	S0409	.05390	9.1362	0.4	V
9030	31177.50	32 48N	35 25E	81.6	187.7	2.738	18.90	70.0	S0409	.05390	8.8556	0.6	A
9031	31185.30	31 55N	34 48E	76.2	187.7	3.092	2.80	70.1	S0409	.05390	9.5241	0.4	F
9032	31190.90	31 54N	34 48E	76.5	187.7	3.092	3.85	70.2	S0409	.05390	9.4664	0.4	A
9033	31200.10	31 1N	35 9E	83.5	187.6	2.738	23.10	71.0	S0409	.05390	8.7896	0.4	V
9034	31203.10	31 2N	35 9E	84.8	187.6	2.738	23.45	71.0	S0409	.05390	8.5090	0.6	A
1687 5001	36117.10	57 24N	21 32E	85.5	192.2	2.037	25.90	51.0	S0255	.02210	8.5181	0.8	F
5002	36123.30	57 23N	21 32E	86.0	192.1	1.826	26.60	51.0	S0255	.02210	8.4520	0.6	A
5003	36155.30	54 48N	20 24E	86.7	191.4	2.037	27.65	53.4	S0255	.02210	8.4025	1.0	F
5004	36161.70	54 48N	20 25E	87.5	191.3	1.826	28.70	53.4	S0255	.02210	8.2952	0.8	A
5005	36212.30	51 32N	17 18E	77.8	190.4	2.181	-18.20	55.9	S0255	.02210	9.3517	0.4	A
5006	36250.70	48 44N	18 31E	97.9	189.9	1.826	38.15	58.8	S0255	.02210	7.4038	0.6	A
5007	36259.50	47 44N	17 40E	85.7	189.8	2.390	26.95	59.5	S0255	.02210	8.4850	1.0	F
5008	36265.70	47 44N	17 41E	86.6	189.7	2.181	28.00	59.5	S0255	.02210	8.3695	1.0	A
5009	36274.90	46 43N	17 10E	82.5	189.6	2.390	22.75	60.3	S0255	.02210	8.8152	0.8	F
5010	36280.70	46 43N	17 10E	83.2	189.5	2.181	23.80	60.3	S0255	.02210	8.7079	1.0	A
5011	36296.30	45 44N	16 5E	74.8	189.3	2.530	1.05	60.9	S0255	.02210	9.7149	0.6	A
9001	36131.10	56 24N	21 18E	89.6	191.9	2.037	30.45	52.0	S0409	.05390	8.1294	0.8	F
9002	36133.90	56 26N	21 18E	88.7	191.9	1.826	30.80	51.9	S0409	.05390	8.3027	1.0	V
9003	36137.10	56 26N	21 17E	89.7	191.8	1.826	30.80	51.9	S0409	.05390	8.0881	0.6	A
9004	36155.30	54 48N	20 24E	86.7	191.4	2.037	27.65	53.4	S0409	.05390	8.4017	0.8	F
9005	36161.50	54 48N	20 25E	87.4	191.3	1.826	28.70	53.4	S0409	.05390	8.2944	0.8	A
9006	36168.30	54 13N	19 25E	76.3	191.2	2.037	11.55	53.8	S0409	.07180	9.6314	0.4	V
9007	36171.10	54 13N	19 25E	77.3	191.1	2.037	11.90	53.8	S0409	.07180	9.3756	0.4	A
9008	36176.30	53 32N	18 47E	75.1	191.0	2.181	1.75	54.3	S0409	.07180	9.6727	0.6	F
9009	36181.70	53 32N	18 47E	75.1	190.9	2.181	2.45	54.3	S0409	.07180	9.6562	0.6	A
9010	36194.10	52 26N	16 52E	89.9	190.7	1.690	-35.00	54.9	S0409	.05390	8.0386	0.6	F
9011	36197.30	52 26N	16 53E	88.4	190.7	1.690	-34.65	54.9	S0409	.05390	8.2944	0.6	V
9012	36203.90	51 43N	17 26E	77.3	190.6	2.037	-16.80	55.7	S0409	.07180	9.3673	0.6	F
9013	36206.70	51 43N	17 26E	76.3	190.5	2.037	-16.45	55.7	S0409	.07180	9.6232	0.6	V
9014	36212.10	51 33N	17 18E	77.8	190.4	2.181	-16.20	55.9	S0409	.07180	9.3508	0.4	A
9015	36217.50	50 58N	17 18E	75.2	190.3	2.181	-12.95	56.4	S0409	.07180	9.7635	0.6	V
9016	36225.50	50 28N	16 41E	80.0	190.2	2.181	-24.85	56.7	S0409	.07180	9.1940	0.6	V
9017	36228.50	50 28N	16 42E	80.5	190.2	2.181	-24.15	56.7	S0409	.07180	9.0290	0.6	A
9018	36237.90	49 23N	16 49E	75.5	190.0	2.390	-12.25	57.7	S0409	.07180	9.5984	0.4	F
9019	36259.50	47 44N	17 40E	85.8	189.8	2.390	26.95	59.5	S0409	.05390	8.4843	1.2	F
9020	36265.70	47 44N	17 41E	86.5	189.7	2.181	28.00	59.5	S0409	.05390	8.3687	1.0	A
9021	36274.70	46 43N	17 10E	82.5	189.6	2.390	22.75	60.3	S0409	.05390	8.8144	0.8	F
9022	36280.70	46 43N	17 10E	83.1	189.5	2.181	23.80	60.3	S0409	.05390	8.7071	0.8	A
9023	36289.70	45 49N	15 60E	74.7	189.4	2.530	-3.85	60.7	S0409	.07180	9.7222	0.4	F
9024	36292.30	45 49N	15 60E	73.8	189.4	2.530	-3.50	60.7	S0409	.07180	9.9533	0.4	V
9025	36296.30	45 43N	16 6E	74.7	189.3	2.530	1.05	60.9	S0409	.07180	9.7140	0.4	A
9026	36306.50	44 50N	15 50E	73.7	189.2	2.530	0.35	61.5	S0409	.07180	9.9615	0.6	V
9027	36309.30	44 50N	15 49E	74.6	189.2	2.530	0.70	61.6	S0409	.07180	9.7222	0.6	A
9028	36319.10	43 45N	15 53E	77.0	189.1	2.530	11.55	62.5	S0409	.07180	9.4499	0.6	F
9029	36324.70	43 45N	15 52E	77.3	189.0	2.530	12.25	62.5	S0409	.07180	9.3756	0.6	A
9030	36479.70	32 55N	13 13E	78.5	187.8	2.881	14.35	69.8	S0409	.07180	9.3673	0.6	V
9031	36482.50	32 55N	13 13E	79.6	187.7	2.881	14.70	69.8	S0409	.07180	9.0950	0.6	A
1689 9001	47625.50	3 45S	38 32W	90.2	186.5	3.587	-10.85	58.8	S0409	.05390	8.0634	0.8	V
9002	47628.90	3 45S	38 31W	91.3	186.5	3.587	-10.15	58.8	S0409	.05390	7.8653	0.8	A
9003	47648.10	5 9S	37 22W	118.4	186.5	2.037	36.75	58.5	S0409	.04070	6.0001	1.4	A
9004	47680.30	7 13S	39 30W	98.1	186.6	3.587	-22.75	55.7	S0409	.05390	7.3371	1.2	A
9005	47704.50	9 20S	40 34W	120.7	186.6	2.881	-41.30	53.4	S0409	.04070	5.9258	1.0	F
9006	47746.70	12 15S	40 27W	102.7	186.7	3.439	-24.15	51.3	S0409	.05390	6.9657	0.8	F
9007	47757.50	12 30S	40 17W	99.3	186.7	3.587	-16.80	51.2	S0409	.05390	7.2133	1.2	A
9008	47890.70	21 25S	42 43W	122.2	187.0	3.439	-35.00	42.8	S0409	.05390	5.8598	1.4	A
1690 9001	52776.30	6 32N	58 15W	87.4	186.6	3.232	11.90	66.9	S0409	.05390	8.2862	1.2	F
9002	52786.90	6 1N	58 16W	88.3	186.6	3.092	15.05	66.6	S0409	.05390	8.2697	1.4	V
9003	52816.90	3 49N	59 20W	86.8	186.5	3.587	-12.60	64.6	S0409	.05390	8.3027	1.4	F
9004	52825.70	3 28N	59 46W	92.3	186.5	3.439	-25.90	64.0	S0409	.05390	7.8983	1.8	V
9005	52834.90	3 2N	59 37W	89.2	186.5	3.587	-17.50	63.9	S0409	.05390	8.0799	1.0	A
9006	53129.70	17 1S	63 39W	110.5	186.8	3.439	-28.35	47.0	S0409	.05390	6.4788	1.4	A
9007	53168.10	19 50S	62 6W	125.1	186.9	2.037	32.90	45.5	S0409	.04070	5.6535	1.6	A
9008	53191.50	21 59S	62 49W	115.1	187.0	2.738	23.45	43.3	S0409	.05390	6.2312	0.8	F
9009	53237.90	24 21S	65 5W	115.3	187.2	3.439	-26.95	40.3	S0409	.05390	6.1899	1.4	A
9010	53265.10	26 48S	65 5W	109.1	187.3	3.232	-14.35	38.3	S0409	.05390	6.5283	1.4	F
9011	53273.30	26 48S	65 11W	110.4	187.3	3.439	-16.10	38.2	S0409	.05390	6.4458	1.4	A
9012	53289.30	28 25S	65 47W	115.5	187.4	3.092	-23.10	36.6	S0409	.05390	6.1652	1.4	F
9013	53295.30	28 33S	65 44W	113.1	187.4	3.232	-21.00	36.5	S0409	.05390	6.3632	1.6	V
9014	53334.50	31 25S	64 16W	131.9	187.6	2.037	31.15	34.7	S0409	.05390	5.4389	0.8	V
9015	53339.50	31 25S	64 15W	134.8	187.6	1.826	31.85	34.7	S0409	.05390	5.2326	0.8	A
9016	53368.30	33 14S	66 20W	113.5	187.8	3.092	-9.10	32.3	S0409	.05390	6.2394	1.4	A
9017	53519.30	43 38S	68 57W	120.4	189.0	2.738	-8.05	22.4	S0409	.07180	5.9423	0.6	V
9018	53523.90	43 38S	68 57W	122.2	189.1	2.738	-7.70	22.4	S0409	.07180	5.7690	0.6	A
9019	53542.70	45 32S	68 59W	123.1	189.2	2.390	2.10	20.8	S0409	.07180	5.7525	1.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1690 9020	53552.70	45 36S	69 1W	124.0	189.4	2.390	2.45	20.7	S0409	.07180	5.6700	0.6	A
9021	53561.30	46 31S	68 58W	124.5	189.5	2.181	8.40	19.9	S0409	.07180	5.7360	1.0	V
9022	53636.50	51 1S	71 47W	131.3	190.5	2.530	-15.05	15.2	S0409	.07180	5.3564	1.0	A
9023	53671.70	53 34S	70 27W	141.0	191.0	1.484	21.00	13.4	S0409	.05390	4.9602	1.6	A
1691 9001	57862.50	21 35N	77 50W	78.7	187.0	3.232	2.80	72.6	S0409	.05390	9.2353	1.0	F
9002	57867.90	21 36N	77 53W	78.7	187.0	3.232	1.75	72.6	S0409	.05390	9.1940	0.8	A
9003	57883.30	20 15N	77 21W	92.9	186.9	2.530	30.10	73.2	S0409	.05390	7.9065	1.0	V
9004	58043.70	9 0N	79 32W	94.9	186.6	2.881	25.55	68.8	S0409	.05390	7.6672	1.0	F
9005	58047.10	9 0N	79 32W	94.3	186.6	2.881	25.90	68.8	S0409	.05390	7.7580	1.0	V
9006	58050.90	8 59N	79 34W	95.0	186.6	2.881	25.20	68.8	S0409	.05390	7.5599	0.8	A
1692 5001	62954.30	36 11N	97 4W	75.0	188.1	2.881	-5.25	67.6	S0255	.01660	9.6654	0.6	F
5002	62959.70	36 11N	97 5W	75.1	188.0	2.881	-4.55	67.6	S0255	.01660	9.6654	0.6	A
9001	62954.10	36 11N	97 4W	75.0	188.1	2.881	-5.25	67.6	S0409	.05390	9.6644	0.8	F
9002	62959.50	36 11N	97 5W	75.1	188.0	2.881	-4.55	67.6	S0409	.05390	9.6644	0.8	A
9003	63002.70	32 54W	96 44W	90.8	187.8	2.390	31.65	70.2	S0409	.04070	8.0799	2.8	V
9004	63197.90	19 52N	101 1W	84.9	186.9	3.232	-26.25	71.8	S0409	.05390	8.5338	0.8	A
9005	63885.70	27 7S	109 25W	110.3	187.3	3.232	-15.05	38.0	S0409	.04070	6.4540	1.4	A
1697 5001	2847.29	52 55N	157 30E	75.2	190.9	2.181	2.45	54.7	S0255	.03080	9.6571	0.6	F
5002	2852.69	52 55N	157 30E	75.3	190.8	2.181	3.15	54.7	S0255	.03080	9.6489	0.6	A
5003	2881.49	50 39N	156 9E	76.0	190.3	2.181	-12.60	56.5	S0255	.03080	9.5333	0.4	F
5004	2887.09	50 38N	156 9E	75.9	190.2	2.181	-11.90	56.5	S0255	.03080	9.5828	0.4	A
9001	2847.09	52 56N	157 31E	75.2	190.9	2.181	2.45	54.7	S0409	.07180	9.6562	0.6	F
9002	2852.49	52 56N	157 31E	75.3	190.8	2.181	3.15	54.7	S0409	.07180	9.6479	0.6	A
9003	2881.49	50 39N	156 9E	76.1	190.3	2.181	-12.60	56.5	S0409	.09620	9.5324	0.4	F
9004	2886.89	50 39N	156 9E	75.9	190.2	2.181	-11.90	56.5	S0409	.09620	9.5819	0.4	A
1698 5001	8282.89	44 13N	133 27E	87.7	189.1	2.390	29.05	62.3	S0255	.02210	8.3117	0.4	F
5002	8289.09	44 13N	133 27E	88.6	189.1	2.181	30.10	62.3	S0255	.02210	8.1798	0.4	A
5003	8300.29	43 8N	132 21E	75.6	189.0	2.738	6.30	62.8	S0255	.02210	9.6158	0.6	F
5004	8305.89	43 8N	132 21E	75.8	188.9	2.738	7.00	62.8	S0255	.02210	9.5663	0.4	A
9001	8282.89	44 12N	133 27E	87.7	189.1	2.390	29.05	62.3	S0409	.05390	8.3109	0.4	F
9002	8289.09	44 13N	133 27E	88.6	189.1	2.181	30.10	62.3	S0409	.05390	8.1789	0.4	A
9003	8300.29	43 8N	132 21E	75.6	189.0	2.738	6.30	62.8	S0409	.07180	9.6149	0.4	F
9004	8305.69	43 8N	132 21E	75.8	188.9	2.738	7.00	62.8	S0409	.07180	9.5654	0.4	A
9005	8420.69	35 12N	128 56E	92.6	188.0	2.390	-38.50	67.5	S0409	.04070	7.9231	0.8	V
9006	8424.09	35 12N	128 56E	93.3	187.9	2.390	-38.15	67.5	S0409	.04070	7.8075	0.8	A
1699 5001	13480.29	51 57N	113 8E	76.0	190.6	2.181	9.10	55.6	S0255	.02210	9.5581	0.8	F
5002	13485.69	51 57N	113 8E	76.3	190.5	2.181	9.80	55.6	S0255	.02210	9.5168	1.0	A
5003	13740.49	34 11W	107 46E	75.0	187.9	3.092	-1.40	68.8	S0255	.02210	9.6819	0.4	F
5004	13745.89	34 11W	107 46E	75.2	187.9	3.092	-0.70	68.8	S0255	.02210	9.6489	0.4	A
5005	13754.29	33 16W	107 10E	77.0	187.8	2.881	-16.10	69.0	S0255	.02210	9.3930	0.4	F
5006	13759.89	33 16W	107 9E	77.0	187.8	3.092	-15.75	69.0	S0255	.02210	9.4343	0.4	A
5007	13806.69	29 37W	106 47E	76.0	187.5	3.092	-0.70	71.0	S0255	.03080	9.5416	0.4	F
5008	13812.29	29 37W	106 47E	76.3	187.5	3.092	0.35	71.0	S0255	.03080	9.5085	0.4	A
5009	13824.69	28 55N	105 32E	93.5	187.4	2.738	-37.80	70.4	S0255	.01660	7.7752	1.0	A
5010	13853.29	26 24N	106 15E	76.9	187.3	3.232	4.55	72.1	S0255	.02210	9.4425	0.4	F
5011	13858.89	26 23N	106 15E	77.3	187.3	3.092	5.95	72.1	S0255	.02210	9.3600	0.4	A
9001	13464.89	52 60N	113 30E	76.1	190.9	2.181	8.05	54.7	S0409	.07180	9.5489	0.6	F
9002	13467.69	52 59N	113 30E	75.8	190.8	2.181	8.40	54.7	S0409	.07180	9.7635	0.6	V
9003	13480.29	51 57N	113 8E	76.1	190.6	2.181	9.10	55.6	S0409	.05390	9.5571	0.8	F
9004	13485.69	51 57N	113 8E	76.2	190.5	2.181	9.80	55.6	S0409	.05390	9.5159	0.8	A
9005	13646.69	40 44N	109 55E	78.5	188.6	2.530	18.20	64.7	S0409	.05390	9.3673	0.8	V
9006	13649.69	40 43N	109 55E	79.7	188.6	2.530	18.55	64.8	S0409	.05390	9.0950	0.8	A
9007	13740.29	34 11N	107 46E	75.0	187.9	3.092	-1.40	68.8	S0409	.05390	9.6809	0.4	F
9008	13745.69	34 11N	107 46E	75.1	187.9	3.092	-0.70	68.8	S0409	.05390	9.6479	0.4	A
9009	13754.29	33 16W	107 10E	77.1	187.8	2.881	-16.10	69.0	S0409	.05390	9.3921	0.4	F
9010	13759.69	33 16N	107 10E	77.0	187.8	3.092	-15.75	69.0	S0409	.05390	9.4334	0.4	A
9011	13806.69	29 37N	106 47E	76.0	187.5	3.092	-0.70	71.0	S0409	.07180	9.5406	0.4	F
9012	13812.09	29 37N	106 47E	76.2	187.5	3.092	0.35	71.0	S0409	.07180	9.5076	0.4	A
9013	13853.29	26 23W	106 15E	76.9	187.3	3.232	4.55	72.1	S0409	.05390	9.4416	0.4	F
9014	13858.89	26 23N	106 16E	77.3	187.3	3.092	5.95	72.1	S0409	.05390	9.3591	0.4	A
9015	13934.29	20 52N	104 44E	78.9	187.0	3.232	-13.30	72.2	S0409	.05390	9.1610	0.6	F
9016	13941.09	20 25N	104 15E	86.3	187.0	3.092	-28.00	71.8	S0409	.05390	8.3605	0.8	F
9017	13944.09	20 25N	104 14E	85.1	186.9	3.092	-27.65	71.8	S0409	.05390	8.5998	0.4	V
9018	13947.69	20 23N	104 14E	85.7	186.9	3.092	-26.95	71.8	S0409	.05390	8.4678	0.4	A
9019	14049.49	13 8N	103 11E	82.9	186.7	3.439	-17.50	70.1	S0409	.05390	8.8144	0.6	V
9020	14052.69	13 7N	103 11E	83.8	186.7	3.439	-16.80	70.1	S0409	.05390	8.6328	0.6	A
1700 5001	18727.49	56 5N	92 52E	77.9	191.8	2.037	13.30	51.9	S0255	.02210	9.3104	0.6	F
5002	18733.09	56 5N	92 53E	78.3	191.7	1.826	14.35	51.9	S0255	.02210	9.2609	0.6	A
5003	18929.49	42 25N	87 21E	74.9	188.8	2.530	-12.60	63.1	S0255	.02210	9.6654	0.4	F
5004	18934.89	42 25N	87 20E	74.9	188.8	2.738	-12.25	63.1	S0255	.02210	9.7066	0.4	A
9001	18697.69	58 28N	92 16E	81.4	192.4	1.484	-24.85	49.6	S0409	.05390	9.0207	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1700 9002	18700.69	58 28N	92 17E	82.0	192.4	1.690	-24.50	49.6	S0409	.05390	8.8639	0.4	A
9003	18721.49	56 29N	93 4E	78.2	191.9	2.037	13.65	51.6	S0409	.07180	9.2931	0.6	F
9004	18722.69	56 24N	93 2E	78.2	191.9	2.037	13.65	51.7	S0409	.07180	9.2931	2.6	F
9005	18727.29	56 6N	92 53E	78.1	191.8	2.037	13.30	51.9	S0409	.05390	9.3095	1.2	F
9006	18732.89	55 6N	92 53E	78.4	191.7	1.826	14.35	51.9	S0409	.05390	9.2600	1.2	A
9007	18744.89	55 16N	90 47E	83.0	191.4	1.690	-28.35	52.4	S0409	.07180	8.8309	0.6	V
9008	18749.09	55 13N	90 36E	86.2	191.3	1.690	-31.15	52.4	S0409	.05390	8.4265	0.4	A
9009	18912.49	44 1N	87 15E	82.4	189.0	2.390	-27.65	61.7	S0409	.05390	8.8309	0.8	A
9010	18917.49	43 27N	87 21E	76.9	189.0	2.390	-20.65	62.2	S0409	.07180	9.5571	0.6	V
9011	18920.49	43 26N	87 21E	77.5	188.9	2.390	-19.95	62.2	S0409	.07180	9.3921	0.4	A
9012	18929.49	42 25N	87 21E	75.0	188.8	2.530	-12.60	63.1	S0409	.05390	9.6644	0.4	F
9013	18934.89	42 25N	87 20E	74.9	188.8	2.738	-12.25	63.1	S0409	.05390	9.7057	0.4	A
9014	18936.69	42 17N	87 18E	75.2	188.8	2.738	-12.25	63.2	S0409	.07180	9.6727	0.4	A
9015	19419.49	8 35N	81 12E	90.4	186.6	3.092	19.25	68.5	S0409	.07180	8.0221	0.6	F
9016	19422.69	8 35N	81 12E	89.7	186.6	3.092	19.60	68.5	S0409	.07180	8.1376	0.6	V
1701 5001	24162.89	47 48N	67 44E	79.2	189.7	2.390	17.15	59.2	S0255	.02210	9.1536	0.6	A
5002	24283.29	39 40N	64 23E	77.1	188.4	2.738	-16.45	65.0	S0255	.02210	9.4343	0.6	A
9001	24054.29	54 55N	69 11E	76.7	191.4	1.826	-13.65	52.8	S0409	.07180	9.4416	0.6	F
9002	24057.09	54 55N	69 10E	75.8	191.3	2.037	-14.00	52.8	S0409	.07180	9.6809	0.6	V
9003	24099.09	51 55N	67 21E	85.7	190.6	1.690	-30.80	55.2	S0409	.05390	8.4347	0.8	F
9004	24102.09	51 56N	67 22E	84.4	190.5	1.690	-30.45	55.2	S0409	.05390	8.6988	0.8	V
9005	24162.69	47 48N	67 44E	79.1	189.7	2.390	17.15	59.1	S0409	.07180	9.1527	0.6	A
9006	24283.09	39 40N	64 23E	77.1	188.4	2.738	-16.45	65.0	S0409	.05390	9.4334	0.6	A
1702 5001	29279.89	60 26N	49 47E	76.4	193.3	1.690	-9.10	47.8	S0255	.02210	9.4920	0.4	F
5002	29282.49	60 26N	49 47E	75.5	193.2	1.690	-8.75	47.8	S0255	.02210	9.7314	0.6	V
5003	29337.89	56 29N	48 11E	75.2	191.9	2.037	-2.45	51.5	S0255	.04000	9.6489	0.6	F
5004	29343.29	56 29N	48 10E	75.2	191.8	2.037	-2.10	51.5	S0255	.04000	9.6571	0.4	A
5005	29349.69	56 6N	47 31E	76.9	191.6	1.826	-14.00	51.7	S0255	.03080	9.4673	1.0	A
5006	29366.89	54 23N	48 22E	83.5	191.3	2.037	23.80	53.5	S0255	.02210	8.7079	0.6	F
5007	29372.89	54 23N	48 22E	83.9	191.2	1.826	24.50	53.5	S0255	.02210	8.6501	0.6	A
5008	29408.89	51 43N	45 42E	78.1	190.6	2.037	-18.90	55.5	S0255	.02210	9.2692	0.6	F
5009	29414.49	51 43N	45 42E	77.8	190.5	2.181	-18.20	55.5	S0255	.02210	9.3435	0.6	A
5010	29528.09	43 32N	43 39E	74.5	189.0	2.738	-5.25	62.3	S0255	.02210	9.7397	0.6	F
5011	29533.49	43 32N	43 39E	74.5	189.0	2.738	-4.20	62.3	S0255	.02210	9.7479	0.6	A
9001	29234.89	63 37N	53 42E	88.7	194.7	1.338	29.05	45.1	S0409	.07180	8.1706	1.2	A
9002	29282.49	60 26N	49 47E	75.5	193.2	1.690	-8.75	47.8	S0409	.05390	9.7305	0.6	V
9003	29285.29	60 26N	49 47E	76.3	193.2	1.690	-8.40	47.8	S0409	.05390	9.5241	0.4	A
9004	29297.09	59 15N	49 19E	75.7	192.8	1.826	-5.95	48.9	S0409	.07180	9.5737	0.8	F
9005	29301.69	59 7N	49 20E	74.7	192.7	1.826	-3.85	49.1	S0409	.07180	9.8377	1.0	V
9006	29307.49	58 40N	49 37E	75.6	192.6	1.826	7.70	49.5	S0409	.07180	9.7140	0.6	V
9007	29310.29	58 40N	49 37E	76.6	192.5	1.826	8.05	49.5	S0409	.07180	9.4829	0.6	A
9008	29329.89	57 1N	48 26E	75.2	192.1	1.826	-2.10	51.0	S0409	.07180	9.6479	0.6	F
9009	29332.69	57 1N	48 26E	74.3	192.0	1.826	-1.75	51.0	S0409	.07180	9.8790	0.4	V
9010	29334.69	56 52N	48 22E	74.3	191.9	1.826	-1.75	51.1	S0409	.07180	9.8790	0.6	V
9011	29337.69	56 30N	48 11E	75.2	191.9	2.037	-2.45	51.4	S0409	.09620	9.6479	0.8	F
9012	29343.09	56 30N	48 11E	75.2	191.8	2.037	-2.10	51.4	S0409	.09620	9.6562	0.8	A
9013	29349.69	56 6N	47 31E	76.8	191.6	1.826	-14.00	51.7	S0409	.07180	9.4664	0.8	A
9014	29366.89	54 22N	48 22E	83.6	191.3	2.037	23.80	53.5	S0409	.07180	8.7071	2.4	F
9015	29372.89	54 22N	48 22E	83.9	191.2	1.826	24.50	53.5	S0409	.07180	8.6493	1.2	A
9016	29387.49	53 11N	46 7E	79.3	190.9	1.826	-21.00	54.2	S0409	.07180	9.1280	1.4	F
9017	29393.29	53 10N	46 6E	79.1	190.8	2.037	-21.00	54.2	S0409	.07180	9.1858	1.2	V
9018	29401.29	52 16N	45 24E	85.2	190.7	1.690	-30.10	54.9	S0409	.05390	8.4843	0.6	F
9019	29408.89	51 43N	45 41E	78.1	190.6	2.037	-18.90	55.5	S0409	.07180	9.2683	0.6	F
9020	29414.49	51 43N	45 42E	77.8	190.5	2.181	-18.20	55.5	S0409	.07180	9.3426	0.4	A
9021	29449.69	48 49N	45 49E	77.4	189.9	2.390	12.60	58.2	S0409	.07180	9.3921	0.6	F
9022	29452.49	48 49N	45 49E	76.6	189.9	2.390	12.95	58.2	S0409	.07180	9.5902	0.6	V
9023	29455.29	48 49N	45 49E	77.7	189.9	2.390	13.30	58.3	S0409	.07180	9.3343	0.6	A
9024	29493.09	46 19N	44 12E	75.7	189.4	2.530	-12.25	60.1	S0409	.07180	9.6067	0.4	A
9025	29528.09	43 32N	43 39E	74.5	189.0	2.738	-5.25	62.3	S0409	.07180	9.7387	0.6	F
9026	29533.49	43 31N	43 39E	74.5	189.0	2.738	-4.20	62.3	S0409	.07180	9.7470	0.4	A
9027	29545.29	42 16N	43 57E	79.0	188.8	2.738	16.10	63.5	S0409	.05390	9.2105	0.8	F
9028	29551.89	41 43N	44 22E	89.9	188.8	2.530	31.50	64.2	S0409	.05390	8.1294	0.6	F
9029	29560.69	41 26N	43 29E	74.6	188.7	2.738	9.10	64.1	S0409	.07180	9.8460	0.8	V
9030	29569.09	41 0N	43 50E	82.5	188.6	2.390	24.15	64.6	S0409	.05390	8.7731	0.4	A
9031	29669.89	33 50N	42 27E	94.0	187.9	2.390	34.65	69.6	S0409	.03070	7.8075	1.2	V
9032	30550.09	26 7S	28 16E	143.5	187.3	2.738	-44.80	38.4	S0409	.04070	5.0262	0.6	V
9033	30555.49	26 7S	28 16E	145.0	187.3	3.092	-44.80	38.4	S0409	.04070	4.9355	0.6	A
9034	30594.29	28 47S	27 55E	138.4	187.5	3.092	-40.25	36.1	S0409	.04070	5.1666	1.0	A
1703 5001	34455.29	69 12N	33 29E	79.7	198.6	1.135	-15.05	39.6	S0255	.03080	9.0711	0.4	F
5002	34458.09	69 12N	33 29E	78.8	198.5	1.135	-15.05	39.6	S0255	.03080	9.3104	0.4	V
5003	34462.69	68 55N	33 9E	78.9	198.2	1.135	-15.75	39.8	S0255	.03080	9.2939	0.4	V
5004	34465.49	68 55N	33 11E	79.6	198.1	1.135	-15.05	39.8	S0255	.03080	9.1289	0.4	A
5005	34479.29	67 56N	32 52E	77.3	197.3	1.338	-6.65	40.8	S0255	.03080	9.3930	0.6	A
5006	34586.69	60 11N	29 22E	87.6	193.3	1.826	28.00	48.3	S0255	.02210	8.3282	0.4	F
5007	34589.69	60 11N	29 23E	86.9	193.2	1.826	28.35	48.3	S0255	.03080	8.4685	0.6	V
5008	34596.89	59 56N	29 4E	85.7	193.0	1.690	25.90	48.5	S0255	.03080	8.4603	0.8	A
5009	34651.49	55 56N	26 29E	78.0	191.7	2.037	13.65	52.0	S0255	.03080	9.3104	0.8	F
5010	34731.29	50 31N	24 19E	77.4	190.3	2.390	12.95	56.8	S0255	.02210	9.3930	0.4	F
5011	34754.49	49 4N	24 20E	84.3	190.0	2.181	26.60	58.2	S0255	.02210	8.7244	0.6	V
5012	34853.69	42 10N	21 42E	77.3	188.8	2.738	12.60	63.6	S0255	.02210	9.4177	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1703 5013	34859.29	42 9N	21 42E	77.7	188.8	2.530	13.65	63.6	S0255	.02210	9.3435	0.6	A
5014	34870.69	41 7N	20 6E	84.3	188.7	2.390	-29.75	63.8	S0255	.02210	8.5841	0.4	F
5015	34873.69	41 7N	20 6E	83.1	188.6	2.390	-29.40	63.8	S0255	.02210	8.8317	0.4	V
5016	34876.49	40 44N	19 60E	84.6	188.6	2.390	-30.10	64.1	S0255	.02210	8.5511	0.6	F
5017	34885.29	40 19N	20 1E	80.9	188.5	2.390	-26.25	64.4	S0312	.03080	9.0711	0.4	V
5018	34888.09	40 20N	20 1E	81.7	188.5	2.390	-25.90	64.4	S0312	.03080	8.9143	0.6	A
5019	35290.49	12 9N	15 2E	81.9	186.7	3.439	1.40	70.1	S0312	.03080	8.8482	0.4	F
5020	35296.49	12 9N	15 2E	82.4	186.7	3.439	2.45	70.1	S0312	.03080	8.7657	0.4	A
5021	35550.49	5 32S	12 17E	95.2	186.6	3.232	14.35	57.9	S0312	.03080	7.6349	1.2	V
5022	35553.89	5 31S	12 17E	96.8	186.6	3.232	14.70	57.9	S0312	.03080	7.3955	1.4	A
9001	34272.69	80 38N	58 1E	83.3	222.5	0.292	-17.15	27.7	S0409	.09620	8.7896	0.6	V
9002	34275.89	80 38N	57 59E	84.2	221.6	0.292	-17.15	27.7	S0409	.09620	8.5998	0.6	A
9003	34454.89	69 14N	33 30E	79.7	198.7	1.135	-15.05	39.5	S0409	.07180	9.0702	0.8	F
9004	34457.89	69 13N	33 29E	78.8	198.5	1.135	-15.05	39.6	S0409	.09620	9.3096	0.4	V
9005	34461.89	68 57N	33 12E	78.9	198.3	1.135	-15.75	39.8	S0409	.07180	9.2931	1.2	V
9006	34465.49	68 54N	33 11E	79.5	198.1	1.135	-15.05	39.8	S0409	.07180	9.1280	1.0	A
9007	34467.69	68 46N	33 3E	79.5	197.9	1.135	-15.05	40.0	S0409	.07180	9.1280	0.2	A
9008	34474.29	68 5N	32 60E	76.4	197.6	1.338	-6.65	40.7	S0409	.07180	9.5984	0.4	V
9009	34477.09	68 5N	32 59E	77.3	197.5	1.338	-6.65	40.7	S0409	.07180	9.3921	0.4	A
9010	34479.29	67 56N	32 51E	77.3	197.3	1.338	-6.65	40.8	S0409	.07180	9.3921	0.6	A
9011	34484.69	67 13N	32 13E	77.3	197.1	1.338	-7.35	41.5	S0409	.07180	9.3673	1.0	F
9012	34490.29	67 13N	32 13E	77.2	196.8	1.338	-7.00	41.5	S0409	.07180	9.4003	1.0	A
9013	34589.69	60 11N	29 23E	86.9	193.2	1.826	28.35	48.3	S0409	.07180	8.4678	0.4	V
9014	34592.89	60 11N	29 22E	87.9	193.1	1.484	28.70	48.3	S0409	.07180	8.2532	0.4	A
9015	34596.69	59 57N	29 4E	85.6	193.0	1.690	25.90	48.5	S0409	.07180	8.4595	1.0	A
9016	34615.89	58 26N	26 47E	75.7	192.5	1.826	-6.65	49.7	S0409	.07180	9.5819	0.6	F
9017	34621.29	58 26N	26 47E	75.6	192.4	1.826	-5.95	49.7	S0409	.07180	9.6067	0.6	A
9018	34628.09	57 35N	26 31E	75.3	192.2	2.037	-3.85	50.4	S0409	.07180	9.6314	0.4	F
9019	34632.89	57 15N	26 34E	75.3	192.1	2.037	1.05	50.8	S0409	.07180	9.6397	0.6	F
9020	34635.69	57 14N	26 33E	74.4	192.1	2.037	1.05	50.8	S0409	.07180	9.4708	1.2	V
9021	34639.09	57 12N	26 32E	75.3	192.0	2.037	1.40	50.8	S0409	.07180	9.6397	0.6	A
9022	34651.29	55 56N	26 30E	78.1	191.7	2.037	13.65	52.0	S0409	.07180	9.3096	1.0	F
9023	34656.89	55 56N	26 30E	78.3	191.6	2.037	14.35	52.0	S0409	.07180	9.2518	1.0	A
9024	34665.89	54 59N	25 46E	75.7	191.4	2.181	5.60	52.8	S0409	.07180	9.5984	0.4	F
9025	34671.29	54 51N	25 18E	74.1	191.3	2.037	-4.55	52.9	S0409	.07180	9.9120	0.6	V
9026	34674.09	54 51N	25 17E	75.0	191.3	2.037	-4.20	52.9	S0409	.07180	9.6892	1.4	A
9027	34686.89	53 41N	23 52E	84.1	191.0	1.826	-28.70	53.7	S0409	.07180	8.5833	0.6	F
9028	34689.89	53 41N	23 52E	82.9	191.0	1.826	-28.35	53.7	S0409	.07180	8.8474	0.6	V
9029	34693.29	53 41N	23 46E	85.0	190.9	2.037	-30.10	53.7	S0409	.05390	8.5585	0.4	A
9030	34702.69	52 35N	23 49E	79.0	190.8	2.037	-20.65	54.7	S0409	.07180	9.1693	1.0	F
9031	34708.49	52 35N	23 49E	78.7	190.7	2.181	-20.30	54.7	S0409	.07180	9.2270	0.8	A
9032	34717.29	51 35N	23 34E	77.8	190.5	2.181	-18.20	55.6	S0409	.07180	9.3096	0.6	F
9033	34720.09	51 35N	23 34E	76.7	190.5	2.181	-17.85	55.6	S0409	.07180	9.5654	0.6	V
9034	34731.09	50 31N	24 19E	77.5	190.3	2.390	12.95	56.8	S0409	.07180	9.3921	0.4	F
9035	34732.69	50 25N	24 17E	77.4	190.3	2.390	12.95	56.9	S0409	.07180	9.3921	0.6	F
9036	34735.49	50 25N	24 17E	76.7	190.2	2.390	13.30	56.9	S0409	.07180	9.5819	0.4	V
9037	34741.29	50 5N	23 38E	73.7	190.2	2.390	-1.75	57.0	S0409	.07180	9.9698	0.6	V
9038	34744.09	50 4N	23 38E	74.5	190.1	2.390	-1.40	57.0	S0409	.07180	9.7387	0.6	A
9039	34754.29	49 4N	24 20E	84.3	190.0	2.181	26.60	58.2	S0409	.05390	8.7236	0.6	V
9040	34766.49	48 24N	22 43E	74.9	189.8	2.390	-12.60	58.3	S0409	.07180	9.8047	0.6	V
9041	34769.29	48 24N	22 43E	75.7	189.8	2.390	-12.25	58.3	S0409	.07180	9.5984	0.6	A
9042	34779.89	47 13N	23 4E	76.0	189.6	2.530	8.75	59.5	S0409	.07180	9.5737	0.6	F
9043	34785.29	47 13N	23 4E	76.1	189.6	2.390	9.45	59.5	S0409	.07180	9.5241	0.6	A
9044	34799.69	45 57N	23 33E	90.0	189.4	2.181	32.55	60.8	S0409	.05390	8.1706	0.6	V
9045	34803.09	45 57N	23 33E	91.5	189.4	2.181	32.90	60.8	S0409	.05390	7.9148	0.6	A
9046	34818.89	44 40N	21 12E	81.0	189.2	2.390	-25.20	61.2	S0409	.05390	8.9299	1.0	F
9047	34824.69	44 40N	21 12E	80.6	189.1	2.390	-24.50	61.2	S0409	.05390	9.0207	1.0	A
9048	34831.49	43 57N	21 23E	75.2	189.0	2.530	-13.65	61.9	S0409	.07180	9.7635	0.6	V
9049	34834.29	43 57N	21 23E	76.0	189.0	2.530	-13.30	61.9	S0409	.07180	9.5654	0.6	A
9050	34840.89	43 16N	21 37E	73.8	189.0	2.530	0.70	62.6	S0409	.07180	9.9615	0.6	V
9051	34843.69	43 15N	21 37E	74.7	188.9	2.738	0.70	62.6	S0409	.07180	9.7140	0.4	A
9052	34853.69	42 9N	21 42E	77.3	188.8	2.738	12.60	63.6	S0409	.07180	9.4168	0.4	F
9053	34859.29	42 9N	21 42E	77.7	188.8	2.530	13.65	63.6	S0409	.05390	9.3426	0.4	A
9054	34876.49	40 43N	19 60E	84.7	188.6	2.390	-30.10	64.1	S0409	.05390	8.5503	0.6	F
9055	34880.69	40 37N	20 6E	80.9	188.6	2.390	-26.25	64.2	S0409	.05390	9.0785	0.6	V
9056	35540.09	4 46S	11 52E	90.3	186.5	3.439	-5.95	58.2	S0409	.05390	8.0551	0.6	V
9057	35543.49	4 46S	11 52E	91.5	186.5	3.439	-5.60	58.2	S0409	.05390	7.8323	0.6	A
1704 9001	40060.49	49 8N	1 31E	74.8	190.0	2.390	7.35	57.9	S0409	.07180	9.8130	0.6	V
9002	40063.29	49 8N	1 31E	75.8	189.9	2.390	7.70	57.9	S0409	.07180	9.5654	0.6	A
9003	40121.09	44 54N	0 46W	79.8	189.2	2.390	-23.10	61.0	S0409	.05390	9.0620	0.8	F
9004	40126.69	44 55N	0 45W	79.2	189.2	2.530	-22.05	61.0	S0409	.05390	9.1693	0.8	A
9005	40263.89	34 54N	1 39W	90.4	188.0	2.530	30.80	68.9	S0409	.05390	8.0716	0.6	F
9006	40267.09	34 54N	1 39W	89.8	188.0	2.530	31.15	68.9	S0409	.05390	8.1871	0.6	V
1705 5001	51714.69	22 37S	56 1W	136.6	187.1	1.826	38.85	43.3	S0312	.02210	5.2907	1.4	V
5002	51772.69	26 25S	57 56W	108.6	187.3	2.881	10.15	39.2	S0312	.03080	6.6444	1.0	V
5003	51890.69	34 30S	58 33W	137.0	187.9	1.826	32.55	32.0	S0312	.03080	5.2412	0.8	V
9001	51306.49	5 15N	52 45W	85.2	186.5	3.587	-9.10	65.8	S0409	.05390	8.4678	0.8	F
9002	51312.49	5 16N	52 45W	85.4	186.5	3.587	-8.05	65.8	S0409	.05390	8.4347	1.0	A
9003	51336.49	3 38N	53 12W	87.6	186.5	3.587	-14.35	64.6	S0409	.05390	8.2284	0.8	A
9004	51668.89	18 59S	57 40W	109.1	186.9	3.439	-24.85	45.5	S0409	.05390	6.5613	1.0	A
9005	51725.89	22 57S	57 35W	104.7	187.1	3.092	1.05	42.3	S0409	.05390	6.7924	0.8	A
9006	51731.89	23 23S	57 26W	106.8	187.1	3.092	8.05	42.0	S0409	.05390	6.6438	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1706 9007	51751.29	25 15S	57 35W	110.0	187.2	2.881	12.95	40.3	S0409	.05390	6.5118	1.0	F
9008	51755.69	25 17S	57 36W	109.2	187.2	2.881	13.30	40.3	S0409	.05390	6.6026	0.6	V
9009	51759.49	25 15S	57 43W	109.4	187.2	2.881	10.50	40.3	S0409	.05390	6.4870	1.4	A
9010	51812.29	29 15S	59 43W	116.2	187.5	3.232	-23.10	36.0	S0409	.05390	6.1239	0.6	F
9011	51819.49	29 10S	59 41W	115.7	187.5	3.439	-21.70	36.2	S0409	.05390	6.1487	1.0	A
9012	51849.69	31 23S	58 3W	133.5	187.6	1.826	31.15	34.9	S0409	.05390	5.2738	0.6	A
9013	51872.69	33 22S	60 11W	113.6	187.8	3.092	-11.20	32.4	S0409	.05390	6.2642	1.0	F
9014	51886.29	34 31S	58 40W	134.7	187.9	2.181	30.10	32.0	S0409	.05390	5.2986	0.8	F
9015	51890.49	34 29S	58 33W	137.0	187.9	1.826	32.55	32.1	S0409	.05390	5.2408	0.6	V
9016	51895.69	34 29S	58 33W	139.8	187.9	1.826	32.90	32.1	S0409	.05390	5.0345	0.6	A
9017	51955.29	38 52S	62 5W	124.8	188.3	2.881	-22.75	27.0	S0409	.07180	5.6700	1.0	F
9018	51959.69	38 52S	62 5W	123.5	188.4	2.881	-22.40	27.0	S0409	.07180	5.8020	1.0	V
1707 5001	56537.89	10 22N	73 11W	89.8	186.6	2.738	21.70	69.6	S0312	.03080	8.1466	1.2	V
5002	56564.29	8 21N	73 38W	89.3	186.6	3.092	17.85	68.4	S0312	.03080	8.1301	1.0	F
5003	56569.89	8 11N	73 41W	88.4	186.6	3.092	17.50	68.2	S0312	.03080	8.2704	0.6	V
5004	56589.29	7 4N	73 47W	92.7	186.6	2.881	21.35	67.6	S0312	.02210	7.7669	1.4	A
5005	56599.09	6 1N	74 27W	84.8	186.6	3.439	1.75	66.5	S0312	.03080	8.5428	1.2	F
5006	56606.29	5 32N	74 39W	84.7	186.5	3.587	-2.80	66.1	S0312	.03080	8.5511	1.0	F
5007	56612.49	5 31N	74 39W	85.1	186.5	3.587	-1.75	66.1	S0312	.03080	8.4768	0.8	A
5008	56622.89	4 46N	74 16W	90.8	186.5	2.881	18.90	66.0	S0312	.03080	7.9238	0.8	A
5009	56630.49	4 16N	74 38W	87.1	186.5	3.232	8.05	65.5	S0312	.03080	8.2704	1.0	A
5010	56660.49	2 12N	74 44W	92.7	186.5	3.092	17.15	64.1	S0312	.02210	7.7504	1.2	A
5011	56665.49	1 23N	74 48W	94.1	186.5	3.092	19.25	63.6	S0312	.02210	7.7009	1.0	F
5012	56680.49	0 20N	74 55W	96.1	186.5	3.092	21.00	62.8	S0312	.02210	7.5441	0.8	F
5013	56687.89	0 13S	74 46W	103.2	186.5	2.881	28.35	62.6	S0312	.02210	7.0406	0.8	F
9001	56519.09	11 27N	73 6W	87.5	186.7	3.092	17.15	70.1	S0409	.07180	8.3027	0.6	F
9002	56524.29	11 19N	73 15W	84.5	186.6	3.232	12.60	69.9	S0409	.07180	8.6658	0.6	V
9003	56532.69	10 56N	72 53W	96.6	186.6	2.530	28.70	70.1	S0409	.05390	7.4361	1.2	A
9004	56551.69	9 20N	74 38W	91.3	186.6	3.232	-27.65	67.9	S0409	.05390	7.8900	1.4	F
9005	56687.09	0 10S	74 46W	103.2	186.5	2.881	28.35	62.6	S0409	.05390	7.0400	0.6	F
9006	56694.69	0 10S	74 46W	104.6	186.5	2.530	29.40	62.6	S0409	.05390	6.8419	0.6	A
9007	56751.89	4 24S	77 38W	117.6	186.5	2.881	-42.00	57.7	S0409	.04070	6.0744	0.6	F
9008	56756.09	4 24S	77 39W	116.2	186.5	3.092	-42.00	57.7	S0409	.04070	6.2642	0.6	V
9009	56782.89	6 26S	76 21W	94.1	186.6	3.232	11.90	57.2	S0409	.05390	7.7250	1.4	V
9010	56829.29	9 17S	77 35W	94.4	186.6	3.587	-14.35	54.3	S0409	.03070	7.6012	1.6	A
9011	56860.49	12 1S	77 1W	105.0	186.7	2.881	21.35	52.5	S0409	.05390	6.8749	0.6	F
9012	56864.29	12 1S	77 8W	101.7	186.7	2.881	18.20	52.4	S0409	.07180	7.1390	0.6	V
9013	56868.09	12 1S	77 8W	103.4	186.7	2.881	18.55	52.5	S0409	.07180	6.8997	0.6	A
1708 5001	61468.69	35 51N	90 39W	75.7	188.1	2.881	4.55	67.8	S0312	.02210	9.5993	0.6	F
5002	61474.09	35 51N	90 39W	76.0	188.0	2.881	5.25	67.8	S0312	.02210	9.5498	0.6	A
9001	61468.49	35 51N	90 38W	75.7	188.1	2.881	4.55	67.8	S0409	.05390	9.5984	0.6	F
9002	61473.89	35 52N	90 39W	75.9	188.0	2.881	5.25	67.8	S0409	.05390	9.5489	0.8	A
9003	61731.29	17 59N	94 32W	78.5	186.8	3.439	-3.15	72.0	S0409	.05390	9.3261	0.4	V
9004	61734.09	17 60N	94 31W	79.6	186.8	3.439	-2.45	72.1	S0409	.05390	9.0867	0.4	A
1714 5001	6676.28	51 45N	141 42E	78.5	190.6	2.181	15.40	55.6	S0312	.03080	9.2774	0.8	F
5002	6681.88	51 45N	141 42E	78.9	190.5	2.181	16.10	55.6	S0312	.03080	9.2114	0.8	A
5003	7485.08	3 41S	128 9E	102.8	186.5	3.232	-31.85	58.7	S0312	.02210	6.9746	0.6	F
5004	7492.68	3 42S	128 9E	102.6	186.5	3.439	-31.15	58.7	S0312	.02210	7.0488	0.4	A
9001	6655.88	53 14N	141 25E	75.2	190.9	2.181	-7.00	54.1	S0409	.05390	9.6479	0.4	F
9002	6658.48	53 14N	141 25E	74.3	190.9	2.181	-6.65	54.1	S0409	.05390	9.8873	0.4	V
9003	6663.88	52 53N	141 16E	74.3	190.8	2.181	-7.35	54.4	S0409	.05390	9.8873	0.4	V
9004	6666.48	52 53N	141 16E	75.1	190.8	2.181	-7.00	54.4	S0409	.05390	9.6727	0.4	A
9005	6713.68	49 17N	140 15E	74.6	190.0	2.390	-0.70	57.6	S0409	.05390	9.7387	0.6	F
9006	6716.48	49 16N	140 15E	73.8	190.0	2.390	-0.35	57.6	S0409	.05390	9.9615	1.0	V
9007	6719.88	49 13N	140 14E	74.7	189.9	2.390	0.00	57.6	S0409	.05390	9.7222	0.4	A
9008	6927.48	34 42N	135 27E	84.8	187.9	2.530	-29.75	67.8	S0409	.05390	8.5173	1.4	F
9009	6933.48	34 41N	135 30E	83.1	187.9	2.738	-27.65	67.9	S0409	.05390	8.7566	1.4	A
9010	7484.88	3 40S	128 9E	102.9	186.5	3.232	-31.85	58.7	S0409	.05390	6.9740	0.8	F
9011	7488.28	3 39S	128 10E	101.2	186.5	3.232	-31.15	58.7	S0409	.05390	7.1885	1.0	V
1715 5001	12148.68	40 30N	116 6E	78.9	188.6	2.738	16.45	64.7	S0312	.02210	9.2279	1.6	F
5002	12159.08	39 46N	116 3E	81.6	188.5	2.738	20.65	65.3	S0312	.02210	8.9390	0.6	F
5003	12161.88	39 46N	116 2E	80.8	188.5	2.530	21.00	65.3	S0312	.02210	9.1123	0.6	V
5004	12165.28	39 32N	115 59E	80.8	188.5	2.530	21.00	65.5	S0312	.03080	9.1041	0.6	V
5005	12168.28	39 32N	115 59E	82.0	188.4	2.530	21.35	65.5	S0312	.03080	8.8482	0.4	A
5006	12184.88	38 9N	114 6E	84.4	188.3	2.390	-30.10	65.7	S0312	.03080	8.5758	0.4	F
5007	12193.28	37 54N	114 37E	75.8	188.2	2.881	-11.20	66.1	S0312	.03080	9.6076	0.4	A
5008	12202.28	36 55N	114 26E	75.5	188.2	2.881	-10.15	66.8	S0312	.02210	9.6076	0.8	F
5009	12207.68	36 55N	114 26E	75.5	188.1	2.881	-9.10	66.8	S0312	.02210	9.6406	0.8	A
5010	12231.28	34 57N	113 31E	82.1	188.0	2.738	-26.25	67.7	S0312	.03080	8.8235	0.4	F
5011	12236.48	34 46N	113 46E	76.4	187.9	2.881	-16.10	68.0	S0312	.03080	9.6076	0.6	V
5012	12248.88	33 44N	113 15E	82.0	187.8	2.738	-25.90	68.4	S0312	.02210	8.8235	0.6	F
5013	12255.28	33 29N	113 19E	78.8	187.8	2.881	-21.70	68.6	S0312	.02210	9.3104	0.4	V
5014	12299.88	30 30N	113 56E	85.7	187.6	2.738	24.85	71.0	S0312	.03080	8.4520	0.4	A
5015	12315.68	29 15N	113 9E	76.2	187.5	3.092	6.30	71.1	S0312	.03080	9.6241	0.4	V
5016	12318.48	29 15N	113 9E	77.4	187.5	3.092	7.00	71.2	S0312	.03080	9.3682	0.4	A
5017	12346.88	26 55N	112 38E	76.7	187.3	3.232	4.55	71.9	S0312	.03080	9.4095	0.6	F
9001	11806.28	63 43N	125 33E	79.7	194.9	1.690	14.70	44.7	S0409	.07180	9.1115	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1715 9002	11812.08	63 42N	125 33E	79.9	194.7	1.484	15.40	44.7	SO409	.07180	9.0867	0.8	A
9003	11840.48	61 49N	122 25E	80.8	193.8	1.484	-23.10	46.3	SO409	.07180	9.0950	0.6	V
9004	11843.48	61 49N	122 25E	81.7	193.7	1.484	-23.10	46.3	SO409	.07180	8.9052	0.6	A
9005	12135.08	41 42N	115 41E	73.3	188.7	2.738	-7.70	63.5	SO409	.07180	10.0276	0.4	V
9006	12141.28	41 3N	115 48E	74.4	188.7	2.738	1.75	64.1	SO409	.05390	9.7717	0.4	F
9007	12148.08	40 32N	116 6E	78.9	188.6	2.738	16.45	64.7	SO409	.05390	9.2270	0.6	F
9008	12153.88	40 31N	116 6E	79.4	188.6	2.530	17.50	64.7	SO409	.05390	9.1280	0.6	A
9009	12244.88	34 1N	113 12E	84.6	187.9	2.530	-29.40	68.2	SO409	.04070	8.5338	0.4	F
9010	12259.68	33 11N	113 11E	80.0	187.8	2.881	-24.15	68.8	SO409	.05390	9.1693	0.6	V
9011	12270.68	32 31N	114 1E	78.6	187.7	2.881	12.95	69.8	SO409	.04070	9.2105	1.0	A
9012	12280.88	31 31N	112 59E	78.3	187.7	2.881	-18.90	69.7	SO409	.05390	9.2518	0.4	F
9013	12286.48	31 7N	113 8E	76.4	187.6	3.092	-10.50	70.0	SO409	.05390	9.4994	0.6	F
9014	12289.28	31 6N	113 7E	75.5	187.6	3.092	-10.15	70.0	SO409	.05390	9.7305	0.6	V
9015	12330.28	28 14N	113 0E	77.1	187.4	3.092	8.75	71.6	SO409	.05390	9.5159	1.0	V
9016	12335.28	27 54N	112 54E	76.8	187.4	3.092	7.35	71.7	SO409	.05390	9.5489	0.4	V
9017	12338.08	27 54N	112 53E	77.9	187.4	3.092	7.70	71.7	SO409	.05390	9.2931	0.4	A
9018	12346.08	26 58N	112 39E	77.3	187.3	3.232	4.55	71.9	SO409	.05390	9.4086	0.6	F
9019	12352.08	26 33N	112 35E	77.4	187.3	3.232	5.25	72.0	SO409	.05390	9.3421	0.4	F
9020	12360.08	25 54N	113 3E	88.8	187.3	2.881	26.95	72.7	SO409	.05390	8.2119	0.4	F
9021	12363.08	25 55N	113 3E	88.1	187.3	2.881	27.30	72.7	SO409	.05390	8.3357	0.4	V
9022	12366.28	25 55N	113 1E	88.2	187.2	2.881	26.25	72.7	SO409	.05390	8.1871	0.4	A
9023	12397.08	23 31N	111 20E	81.2	187.1	3.092	-20.30	72.0	SO409	.07180	8.9134	0.4	F
9024	12402.88	23 31N	111 19E	81.0	187.1	3.232	-19.60	72.0	SO409	.07180	8.9629	0.4	A
9025	12413.28	22 45N	111 36E	77.8	187.1	3.232	-2.45	72.4	SO409	.05390	9.3096	0.4	A
9026	12426.28	21 30N	111 0E	80.7	187.0	3.232	-17.85	72.1	SO409	.05390	8.9629	1.4	F
9027	12433.08	21 26N	110 58E	81.1	187.0	3.232	-18.20	72.1	SO409	.05390	8.9464	0.4	A
9028	12437.88	20 56N	110 37E	85.2	187.0	3.232	-27.65	71.8	SO409	.05390	8.5915	0.6	V
9029	12447.28	20 4N	110 35E	83.9	186.9	3.092	-23.45	71.9	SO409	.07180	8.6081	0.8	F
9030	12453.28	20 4N	110 35E	83.5	186.9	3.232	-22.40	71.9	SO409	.07180	8.6906	1.0	A
9031	12498.48	16 33N	111 37E	104.1	186.8	2.390	37.80	72.8	SO409	.04070	7.0235	0.6	V
9032	12502.28	16 34N	111 37E	106.4	186.8	2.181	38.50	72.8	SO409	.04070	6.7676	0.6	A
9033	12568.28	11 56N	109 13E	83.6	186.7	3.439	-18.20	69.6	SO409	.07180	8.7484	0.8	V
9034	12571.28	11 56N	109 13E	84.6	186.7	3.439	-17.85	69.6	SO409	.07180	8.9503	1.0	A
1716 5001	17697.28	23 50N	90 25E	86.6	187.1	2.881	23.45	73.0	SO312	.03080	8.4190	0.8	F
5002	17700.48	23 50N	90 26E	86.3	187.1	2.881	24.15	73.0	SO312	.03080	8.5098	0.6	V
5003	17701.68	23 45N	90 25E	86.4	187.1	2.881	24.15	73.0	SO312	.03080	8.5016	0.4	V
5004	17704.88	23 45N	90 25E	87.8	187.1	2.881	24.50	73.0	SO312	.0221D	8.2374	0.4	A
5005	18833.88	53 5S	73 43E	128.7	190.9	2.037	2.80	13.9	SO312	.05370	5.5301	0.6	V
5006	18838.68	53 4S	73 43E	130.8	190.9	2.037	3.15	13.9	SO312	.04000	5.3650	0.6	A
9001	17616.48	29 40N	91 5E	74.0	187.5	3.092	4.90	70.9	SO409	.07180	9.9203	0.4	V
9002	17619.28	29 40N	91 5E	75.0	187.5	3.092	5.25	71.0	SO409	.05390	9.6562	0.4	A
9003	18606.08	37 51S	77 33E	117.2	188.3	2.881	-12.95	28.2	SO409	.05390	6.1239	0.4	V
9004	18610.48	37 51S	77 34E	118.7	188.3	3.092	-12.60	28.2	SO409	.05390	5.9671	0.4	A
1717 5001	22990.68	24 53N	67 2E	88.3	187.2	2.738	-31.50	71.5	SO312	.02210	8.1714	0.8	F
5002	22993.88	24 52N	67 3E	86.9	187.2	2.738	-30.80	71.5	SO312	.03080	8.4355	0.8	V
5003	22997.28	24 51N	67 3E	87.4	187.2	3.092	-30.45	71.6	SO312	.03080	8.3282	0.6	A
9001	22338.28	69 25N	86 11E	80.4	198.7	1.135	14.35	39.2	SO409	.07180	9.0207	0.4	A
9002	22679.88	46 8N	73 7E	75.0	189.4	2.530	4.90	60.2	SO409	.05390	9.6974	0.6	F
9003	22685.28	46 8N	73 6E	75.1	189.4	2.530	5.60	60.2	SO409	.05390	9.6562	0.6	A
9004	22736.48	42 41N	71 33E	75.3	188.8	2.738	-13.30	62.7	SO409	.07180	9.6562	0.4	A
9005	22767.88	40 33N	70 56E	76.4	188.5	2.738	-15.40	64.2	SO409	.07180	9.5076	0.4	A
1718 5001	28461.88	13 24N	43 35E	81.1	186.7	3.439	-1.75	70.6	SO312	.03080	8.9308	1.0	F
5002	28467.68	13 24N	43 35E	81.5	186.7	3.439	-0.70	70.7	SO312	.03080	8.8730	1.0	A
9001	27640.28	69 44N	61 42E	83.3	198.9	0.995	-24.15	38.8	SO409	.07180	8.7979	0.4	V
9002	27643.28	69 45N	61 43E	84.0	198.7	0.995	-23.80	38.8	SO409	.07180	8.6411	0.4	A
9003	27775.48	60 17N	57 19E	80.9	193.3	1.826	18.90	47.9	SO409	.07180	8.9959	0.4	F
9004	27778.28	60 18N	57 19E	79.9	193.2	1.826	18.90	47.9	SO409	.07180	9.2023	0.4	V
9005	27784.68	59 42N	56 44E	78.5	193.1	1.826	13.65	48.4	SO409	.07180	9.2683	0.8	F
9006	27790.28	59 42N	56 45E	78.7	192.9	1.826	14.35	48.4	SO409	.07180	9.2188	1.0	A
9007	27808.08	58 4N	56 19E	82.8	192.5	1.826	22.40	49.9	SO409	.07180	8.7979	0.4	F
9008	27810.88	58 5N	56 19E	82.1	192.4	1.826	22.75	49.9	SO409	.07180	8.9629	1.0	V
9009	27814.08	58 4N	56 19E	83.3	192.3	1.826	23.10	50.0	SO409	.07180	8.7153	0.8	A
9010	27817.08	57 52N	56 14E	83.4	192.2	1.826	23.45	50.1	SO409	.07180	8.6988	0.8	A
9011	27828.88	57 4N	53 59E	78.2	192.0	1.826	-19.95	50.6	SO409	.07180	9.3921	0.6	V
9012	27831.88	57 4N	53 60E	78.8	191.9	1.826	-19.25	50.6	SO409	.07180	9.2105	0.4	A
9013	27837.28	56 30N	53 48E	77.5	191.8	1.826	-18.55	51.1	SO409	.07180	9.4664	0.4	V
9014	27840.08	56 30N	53 47E	78.4	191.7	2.037	-18.90	51.1	SO409	.07180	9.2683	0.4	A
9015	27905.08	51 40N	52 19E	75.3	190.5	2.181	-9.80	55.4	SO409	.07180	9.6314	0.8	F
9016	27910.48	51 40N	52 19E	75.2	190.5	2.390	-9.45	55.4	SO409	.07180	9.6644	0.8	A
9017	28065.68	40 37N	49 34E	76.2	188.6	2.738	8.40	64.5	SO409	.04070	9.5406	0.6	F
9018	28071.08	40 38N	49 34E	76.5	188.6	2.738	9.10	64.5	SO409	.04070	9.4746	0.8	A
9019	28207.48	30 59N	46 6E	88.3	187.6	2.530	-32.90	69.6	SO409	.03070	8.1624	1.2	F
9020	28213.88	30 59N	46 6E	87.9	187.6	2.738	-32.55	69.6	SO409	.03070	8.2779	1.2	A
9021	28298.08	24 46N	46 35E	90.4	187.2	2.530	29.75	73.0	SO409	.05390	8.1211	0.4	V
9022	28301.48	24 46N	46 35E	92.3	187.2	2.530	30.45	73.0	SO409	.05390	7.8158	0.4	A
9023	28703.08	2 55S	40 13E	92.7	186.5	3.439	-19.95	59.6	SO409	.05390	7.8570	0.6	V
9024	28706.68	2 56S	40 13E	93.7	186.5	3.439	-19.25	59.6	SO409	.05390	7.6837	0.4	A
9025	28756.68	6 49S	39 18E	101.3	186.6	3.439	-27.65	56.3	SO409	.07180	7.0730	0.6	F
9026	28760.28	6 49S	39 18E	100.1	186.6	3.439	-27.30	56.3	SO409	.05390	7.2628	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1718 9027	28764.08	6 49S	39 17E	101.2	186.6	3.439	-26.95	56.3	S0409	.05390	7.1143	0.6	A
1719 5001	33014.68	65 11N	37 3E	76.6	195.5	1.484	-5.60	43.2	S0312	.04000	9.5003	0.6	A
5002	33060.68	61 47N	34 28E	77.6	193.9	1.484	-14.00	46.3	S0312	.04000	9.3352	0.6	F
5003	33063.48	61 47N	34 28E	76.7	193.8	1.690	-14.00	46.3	S0312	.04000	9.5746	0.6	V
5004	33077.08	60 50N	34 13E	75.2	193.4	1.690	-8.40	47.2	S0312	.04000	9.7562	0.4	V
5005	33135.88	56 41N	32 19E	75.1	191.9	2.037	-5.95	51.0	S0312	.04000	9.6571	0.8	F
5006	33141.28	56 40N	32 20E	75.1	191.8	2.037	-5.25	51.0	S0312	.04000	9.6819	0.8	A
5007	33226.28	50 28N	30 29E	76.2	190.3	2.390	9.45	56.6	S0312	.03080	9.5416	0.4	F
5008	33231.68	50 24N	30 29E	76.5	190.2	2.390	10.15	56.6	S0312	.03080	9.4920	0.4	A
5009	33335.68	43 17N	27 22E	76.5	188.9	2.530	-18.20	62.2	S0312	.03080	9.6076	0.6	V
5010	33338.48	43 17N	27 22E	77.3	188.9	2.530	-17.85	62.2	S0312	.03080	9.4260	0.6	A
9001	32964.88	68 6N	39 32E	77.1	197.8	1.338	-3.50	40.4	S0409	.07180	9.4003	1.0	F
9002	32970.48	68 6N	39 32E	77.0	197.5	1.338	-3.15	40.4	S0409	.07180	9.4251	1.0	A
9003	33114.68	58 6N	33 4E	75.2	192.4	2.037	-3.50	49.8	S0409	.07180	9.6479	0.4	F
9004	33115.88	58 1N	33 2E	75.2	192.4	2.037	-3.50	49.8	S0409	.07180	9.6479	1.6	F
9005	33118.08	57 52N	32 58E	75.2	192.3	2.037	-3.50	50.0	S0409	.07180	9.6479	0.6	F
9006	33121.28	57 39N	32 51E	75.2	192.3	2.037	-3.85	50.2	S0409	.07180	9.6562	1.4	F
9007	33123.28	57 31N	32 47E	75.1	192.2	2.037	-3.85	50.3	S0409	.07180	9.6562	1.0	F
9008	33128.08	57 34N	32 42E	75.3	192.1	2.037	-5.95	50.2	S0409	.07180	9.6479	1.2	A
9009	33130.68	57 23N	32 37E	75.2	192.1	2.037	-5.95	50.4	S0409	.07180	9.6562	0.4	A
9010	33151.88	55 51N	32 56E	79.9	191.6	2.037	18.20	51.9	S0409	.07180	9.0702	0.4	A
9011	33161.88	54 51N	32 3E	75.7	191.4	2.181	6.65	52.7	S0409	.07180	9.5984	0.8	F
9012	33167.28	54 51N	32 3E	75.8	191.3	2.181	7.35	52.7	S0409	.07180	9.5654	0.8	A
9013	33175.28	53 52N	32 14E	81.7	191.1	2.181	21.35	53.7	S0409	.07180	8.9134	0.4	F
9014	33181.28	53 42N	31 42E	75.7	191.0	2.181	10.15	53.8	S0409	.07180	9.7140	0.4	V
9015	33188.08	53 30N	31 2E	74.8	190.9	2.181	-5.25	53.8	S0409	.07180	9.7057	0.4	A
9016	33192.68	52 49N	30 45E	74.9	190.8	2.181	-6.30	54.4	S0409	.07180	9.6809	0.4	F
9017	33198.68	52 20N	31 11E	76.5	190.7	2.390	9.80	55.0	S0409	.07180	9.5076	0.8	F
9018	33204.28	52 20N	31 11E	76.7	190.6	2.181	10.85	55.0	S0409	.07180	9.4664	0.8	A
9019	33211.88	51 34N	31 20E	80.9	190.5	2.181	21.70	55.7	S0409	.07180	9.1032	0.6	V
9020	33214.88	51 34N	31 19E	81.8	190.5	2.181	21.70	55.7	S0409	.07180	8.8639	0.6	A
9021	33225.88	50 29N	30 29E	76.2	190.3	2.390	9.45	56.6	S0409	.07180	9.5406	0.6	F
9022	33231.48	50 29N	30 29E	76.4	190.2	2.390	10.15	56.6	S0409	.07180	9.4911	0.6	A
9023	33236.08	49 49N	30 2E	74.9	190.1	2.390	3.15	57.1	S0409	.07180	9.7057	0.8	F
9024	33241.48	49 49N	30 2E	75.0	190.1	2.390	3.85	57.1	S0409	.07180	9.6609	0.8	A
9025	33250.68	48 39N	30 49E	92.0	189.9	2.181	33.25	58.4	S0409	.05390	7.9396	0.4	F
9026	33255.08	48 22N	30 40E	90.8	189.9	2.181	32.20	58.6	S0409	.05390	8.0468	0.4	F
9027	33256.48	48 16N	30 38E	90.8	189.9	2.181	32.20	58.7	S0409	.05390	8.0468	1.4	F
9028	33259.08	48 5N	30 34E	90.8	189.8	2.181	32.20	58.8	S0409	.05390	8.0468	0.4	F
9029	33260.48	47 60N	30 32E	90.8	189.8	2.181	32.20	58.9	S0409	.05390	8.0468	1.0	F
9030	33263.68	47 60N	30 31E	89.7	189.8	2.181	32.20	58.9	S0409	.05390	8.2119	1.0	V
9031	33267.68	47 57N	30 27E	90.0	189.7	2.181	31.50	58.9	S0409	.05390	8.0551	0.4	A
9032	33279.88	47 3N	28 50E	73.8	189.6	2.530	-5.95	59.3	S0409	.07180	9.9615	0.4	V
9033	33282.68	47 3N	28 50E	74.6	189.5	2.530	-5.25	59.3	S0409	.07180	9.7305	0.4	A
9034	33291.28	45 59N	29 23E	80.9	189.4	2.390	20.30	60.4	S0409	.05390	8.9959	0.8	F
9035	33297.08	45 59N	29 24E	81.7	189.4	2.181	21.70	60.5	S0409	.05390	8.8721	0.8	A
9036	33318.08	44 10N	28 39E	78.3	189.1	2.530	15.05	61.8	S0409	.07180	9.3013	0.6	F
9037	33320.88	44 10N	28 38E	77.2	189.1	2.530	14.70	61.8	S0409	.07180	9.5241	0.6	V
9038	33323.88	44 10N	28 38E	78.3	189.1	2.530	15.05	61.8	S0409	.07180	9.2600	0.4	A
9039	33346.88	42 27N	27 42E	73.9	188.8	2.738	0.00	63.0	S0409	.09620	9.9450	0.4	V
9040	33349.68	42 26N	27 42E	74.8	188.8	2.738	0.70	63.0	S0409	.07180	9.6974	0.4	A
9041	34289.48	22 26S	15 3E	103.2	187.0	3.232	-2.45	42.9	S0409	.05390	6.9327	0.6	F
9042	34293.28	22 27S	15 3E	102.3	187.1	3.232	-1.75	42.9	S0409	.05390	7.0647	0.4	V
9043	34301.48	22 57S	14 30E	105.4	187.1	3.439	-15.75	42.2	S0409	.05390	6.8502	0.6	V
9044	34305.28	22 57S	14 30E	106.7	187.1	3.439	-15.05	42.2	S0409	.05390	6.6851	0.8	A
1720 9001	38530.08	50 51N	6 40E	91.0	190.3	1.826	-37.45	55.8	S0409	.05390	8.0799	0.6	V
9002	38533.48	50 51N	6 40E	91.9	190.2	2.037	-37.45	55.8	S0409	.05390	7.9231	0.6	A
9003	38548.68	49 8N	8 26E	82.8	190.0	2.390	23.10	57.8	S0409	.05390	8.7979	1.0	F
9004	38554.68	49 8N	8 26E	83.1	189.9	2.181	23.80	57.8	S0409	.05390	8.6988	1.0	A
9005	38624.48	44 7N	5 43E	75.0	189.1	2.530	-11.20	61.6	S0409	.07180	9.6644	0.6	F
9006	38629.88	44 6N	5 43E	74.9	189.0	2.530	-10.50	61.6	S0409	.07180	9.7057	0.6	A
9007	38638.48	43 6N	5 57E	75.4	189.0	2.738	5.60	62.6	S0409	.04070	9.6397	0.6	F
9008	38643.88	43 6N	5 58E	75.7	188.9	2.530	7.00	62.6	S0409	.04070	9.5902	0.6	A
9009	38735.08	36 48N	2 56E	92.1	188.1	2.181	-38.15	66.3	S0409	.03070	7.9478	0.6	V
9010	38738.48	36 48N	2 56E	92.9	188.1	2.390	-38.15	66.3	S0409	.03070	7.8323	0.6	A
1722 9001	49982.08	7 11S	48 14W	93.5	186.6	3.232	6.30	56.6	S0409	.05390	7.6507	1.4	A
9002	49998.68	8 12S	49 18W	100.4	186.6	3.587	-25.55	55.2	S0409	.05390	7.1638	1.4	A
9003	50214.48	23 2S	50 24W	118.3	187.1	2.390	25.90	42.8	S0409	.05390	5.9836	1.4	A
9004	50235.28	25 9S	50 9W	138.2	187.2	2.037	38.15	41.1	S0409	.04070	5.1913	1.2	F
9005	50245.48	25 22S	51 31W	105.3	187.2	3.092	6.65	40.4	S0409	.05390	6.8502	1.0	V
9006	50250.28	25 57S	51 38W	106.5	187.2	3.092	6.30	39.8	S0409	.05390	6.7181	1.4	F
9007	50263.48	26 11S	52 41W	111.9	187.3	3.439	-21.70	39.2	S0409	.05390	6.3715	1.0	A
9008	50276.28	27 10S	52 3W	107.4	187.3	3.092	2.45	38.6	S0409	.05390	6.6026	0.8	A
1723 5001	55044.68	9 16N	67 57W	84.4	186.6	3.587	-14.35	68.3	S0312	.03080	8.5593	1.0	A
5002	55091.88	5 42N	67 39W	92.5	186.5	2.738	22.40	66.9	S0312	.03080	7.8908	0.6	V
5003	55116.68	4 2N	68 10W	88.3	186.5	3.092	14.00	65.6	S0312	.03080	8.2622	0.8	V
5004	55127.48	3 37N	69 10W	90.5	186.5	3.587	-22.05	64.6	S0312	.03080	7.9898	1.0	A
5005	55131.88	2 52N	69 19W	91.6	186.5	3.587	-24.15	64.0	S0312	.03080	7.8577	1.0	F
5006	55143.88	2 24N	68 40W	87.6	186.5	3.439	5.95	64.2	S0312	.03080	8.2127	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4354 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1723 5007	55196.88	1 8S	69 60W	93.2	186.5	3.587	-21.70	61.0	S0312	.03080	7.7504	0.8	A
9001	55018.68	10 32N	66 54W	88.2	186.6	3.092	18.20	69.7	S0409	.05390	8.2202	1.2	F
9002	55027.28	10 13N	67 33W	81.2	186.6	3.439	-4.90	69.1	S0409	.05390	9.0042	0.8	V
9003	55030.28	10 13N	67 33W	82.2	186.6	3.439	-4.55	69.1	S0409	.05390	8.7731	0.8	A
9004	55037.68	9 18N	67 42W	82.6	186.6	3.439	-4.90	68.6	S0409	.05390	8.7566	1.0	F
9005	55054.88	8 23N	68 29W	90.6	186.6	3.439	-28.00	67.5	S0409	.05390	8.0634	1.4	V
9006	55066.48	7 46N	68 14W	85.1	186.6	3.587	-14.35	67.5	S0409	.05390	8.4760	0.6	A
9007	55070.68	7 3N	68 15W	84.4	186.6	3.587	-11.20	67.1	S0409	.05390	8.5420	1.4	F
9008	55083.28	6 17N	67 26W	95.1	186.6	2.738	25.90	67.4	S0409	.05390	7.6672	1.4	V
9009	55087.48	6 14N	67 29W	95.5	186.6	2.738	24.85	67.3	S0409	.05390	7.5021	1.4	A
9010	55218.28	2 38S	70 7W	91.7	186.5	3.587	-16.45	60.0	S0409	.05390	7.8405	1.0	A
9011	55409.48	16 17S	71 34W	103.3	186.8	3.092	17.15	48.8	S0409	.04070	6.9657	1.4	F
9012	55414.88	16 23S	71 50W	99.1	186.8	3.092	9.80	48.6	S0409	.04070	7.3123	1.2	V
9013	55426.68	17 38S	70 52W	134.0	186.8	2.181	39.55	48.1	S0409	.04070	5.4564	0.8	F
9014	55432.28	17 41S	70 51W	134.5	186.8	1.826	40.60	48.1	S0409	.04070	5.3564	0.6	V
9015	55437.28	17 41S	70 51W	137.3	186.8	1.826	40.95	48.1	S0409	.04070	5.1418	0.6	A
1724 5001	60029.48	30 40S	86 24W	84.9	187.6	2.738	-29.40	69.8	S0312	.03080	8.5181	0.8	F
5002	60032.48	30 40S	86 24W	83.8	187.6	2.738	-29.05	69.8	S0312	.03080	8.7574	0.8	V
5003	60243.08	16 8N	88 49W	80.8	186.8	3.439	-15.40	71.3	S0312	.03080	9.0628	0.6	V
5004	60246.08	16 8N	88 50W	81.8	186.8	3.439	-15.05	71.3	S0312	.03080	8.8730	0.6	A
9001	60218.48	17 36N	88 18W	79.3	186.8	3.439	-5.60	71.9	S0409	.05390	9.1280	1.4	F
9002	60224.28	17 35N	88 18W	79.5	186.8	3.439	-4.55	72.0	S0409	.05390	9.0950	1.4	A
9003	60278.08	13 43N	89 14W	81.4	186.7	3.439	-14.35	70.5	S0409	.05390	8.9877	0.6	V
9004	60281.08	13 43N	89 14W	82.3	186.7	3.439	-13.65	70.5	S0409	.05390	8.7896	0.6	A
1726 5001	69469.27	68 6N	33 27E	92.3	342.4	-0.970	18.20	1.1	S0312	.22880	7.7917	1.0	F
5002	69482.27	69 3N	33 31E	88.1	341.7	-1.106	5.25	1.8	S0312	.22880	8.1714	4.0	F
5003	69493.27	69 19N	32 52E	88.7	341.1	-1.106	9.80	2.1	S0312	.17180	8.1384	0.8	A
9001	69383.67	62 50N	40 35E	104.0	345.9	-1.672	-27.65	-4.9	S0409	.29610	6.9162	0.6	F
9002	69387.47	62 50N	40 34E	102.8	345.8	-1.462	-28.00	-4.9	S0409	.29610	7.0812	0.6	V
9003	69392.87	62 58N	40 46E	107.8	345.6	-1.318	-31.50	-4.8	S0409	.29610	6.6521	0.6	A
9004	69469.27	68 7N	33 26E	92.4	342.4	-0.970	18.20	1.1	S0409	.29610	7.7910	1.0	F
9005	69482.07	69 3N	33 31E	88.1	341.7	-1.106	5.25	1.8	S0409	.29610	8.1706	4.2	F
9006	69493.07	69 18N	32 53E	88.7	341.1	-1.106	9.80	2.1	S0409	.29610	8.1376	0.8	A
9007	71391.07	21 45S	138 52W	107.3	187.0	2.881	15.05	43.9	S0409	.05390	6.6934	1.0	F
9008	71394.87	21 45S	138 53W	106.5	187.0	2.881	15.40	43.9	S0409	.05390	6.7841	1.2	V
9009	71400.47	22 9S	138 44W	111.4	187.0	2.881	21.35	43.6	S0409	.04070	6.4870	2.0	V
9010	71404.87	22 10S	138 44W	113.4	187.0	2.530	22.05	43.6	S0409	.04070	6.2559	1.8	A
1729 5001	86046.67	64 46N	177 45E	88.2	195.6	1.484	27.30	43.6	S0312	.03080	8.2292	0.6	F
5002	86049.87	64 45N	177 45E	87.4	195.5	1.484	27.65	43.6	S0312	.03080	8.3860	0.6	V
5003	86053.67	64 43N	177 38E	87.6	195.3	1.484	26.60	43.6	S0312	.04000	8.2704	0.6	A
1730 5001	5268.27	44 0N	145 40E	79.5	189.1	2.390	19.60	61.9	S0312	.04000	9.2444	0.4	V
5002	5271.27	44 0N	145 39E	80.7	189.0	2.390	19.95	61.9	S0312	.04000	8.9885	0.4	A
1731 5001	10629.07	40 43N	120 55E	87.1	188.6	2.390	-34.30	63.7	S0312	.03080	8.4273	0.4	V
5002	10632.07	40 43N	120 55E	87.9	188.6	2.390	-33.95	63.7	S0312	.03080	8.3035	0.6	A
5003	10656.47	38 45N	121 9E	75.1	188.4	2.738	-13.30	65.4	S0312	.03080	9.7809	0.6	V
5004	10659.27	38 45N	121 9E	76.0	188.3	2.738	-12.95	65.4	S0312	.03080	9.5828	0.4	A
5005	10668.47	37 43N	121 8E	74.7	188.3	2.881	-5.60	66.2	S0312	.03080	9.7066	0.6	F
5006	10673.87	37 43N	121 7E	74.8	188.2	2.881	-4.90	66.2	S0312	.03080	9.7149	0.4	A
5007	10691.07	36 11N	120 42E	75.1	188.1	2.881	-7.70	67.2	S0312	.04000	9.6571	0.6	F
5008	10696.47	36 10N	120 42E	75.1	188.1	2.881	-6.65	67.2	S0312	.04000	9.6736	0.6	A
5009	10705.27	35 40N	119 55E	84.1	188.0	2.738	-29.40	67.1	S0312	.03080	8.6666	0.4	A
5010	10733.07	33 27N	120 13E	74.4	187.8	3.092	-2.45	68.9	S0312	.02210	9.8717	0.8	V
5011	10743.67	32 57N	119 50E	76.3	187.7	3.092	-11.90	69.0	S0312	.03080	9.5333	0.4	A
5012	10761.47	31 19N	119 45E	75.2	187.6	3.092	-2.80	70.0	S0312	.03080	9.6571	0.4	F
9001	10314.87	61 60N	129 40E	75.9	193.9	1.484	-8.05	46.0	S0409	.05390	9.6727	0.6	V
9002	10317.67	61 60N	129 40E	76.7	193.8	1.690	-8.05	46.0	S0409	.05390	9.4746	0.6	A
9003	10524.87	47 37N	122 58E	84.0	189.7	2.037	-29.40	58.4	S0409	.05390	8.6081	0.6	F
9004	10526.87	47 29N	122 55E	84.1	189.7	2.037	-29.40	58.5	S0409	.05390	8.5998	0.6	F
9005	10530.87	47 37N	122 58E	83.4	189.6	2.037	-28.70	58.4	S0409	.05390	8.7236	0.6	A
9006	10532.87	47 29N	122 55E	83.5	189.6	2.037	-28.70	58.5	S0409	.05390	8.7153	0.6	A
9007	10554.67	45 46N	122 40E	78.8	189.3	2.390	-23.10	60.0	S0409	.07180	9.3261	0.6	V
9008	10557.47	45 46N	122 40E	79.5	189.3	2.390	-22.75	60.0	S0409	.07180	9.1610	0.6	A
9009	10602.47	42 31N	123 24E	86.6	188.8	2.390	28.00	63.1	S0409	.05390	8.3440	0.6	A
9010	10608.07	41 54N	123 26E	90.4	188.8	2.181	32.90	63.7	S0409	.05390	8.1376	0.8	V
9011	10611.27	41 54N	123 26E	91.9	188.7	2.181	33.25	63.7	S0409	.05390	7.8735	1.0	A
9012	10644.87	39 19N	121 45E	75.0	188.4	2.881	2.80	65.2	S0409	.05390	9.6892	0.4	F
9013	10650.27	39 18N	121 46E	75.2	188.4	2.881	3.85	65.2	S0409	.05390	9.6479	0.4	A
9014	10668.47	37 43N	121 8E	74.8	188.3	2.881	-5.60	66.2	S0409	.07180	9.7057	0.4	F
9015	10673.87	37 43N	121 7E	74.8	188.2	2.881	-4.90	66.2	S0409	.07180	9.7140	0.4	A
9016	10678.27	37 4N	120 48E	75.6	188.2	2.881	-11.55	66.5	S0409	.07180	9.5819	0.6	F
9017	10683.67	37 4N	120 49E	75.5	188.1	2.881	-10.50	66.5	S0409	.07180	9.6232	0.6	A
9018	10691.07	36 10N	120 42E	75.1	188.1	2.881	-7.70	67.2	S0409	.07180	9.6562	0.4	F
9019	10696.47	36 10N	120 42E	75.1	188.1	2.881	-6.65	67.2	S0409	.07180	9.6727	0.4	A
9020	10749.27	32 12N	119 26E	79.6	187.7	2.881	-21.70	69.2	S0409	.05390	9.0950	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY LAT DG MIN	LONG DG MIN	FRAME START SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1731 9021	10752.47	32 11N	119 21E	79.7	187.7	2.881	-23.45	69.1	SO409	.04070	9.2188	0.8	V
9022	10763.67	31 10N	119 43E	75.3	187.6	3.092	-2.80	70.0	SO409	.05390	9.6397	0.4	F
9023	10771.27	30 47N	120 3E	78.1	187.6	2.881	13.65	70.5	SO409	.05390	9.4168	0.8	V
9024	10774.27	30 46N	120 3E	79.2	187.6	2.881	14.00	70.5	SO409	.05390	9.1445	0.6	A
9025	10782.67	30 12N	119 51E	78.1	187.5	2.881	11.55	70.7	SO409	.05390	9.2765	0.4	A
9026	10800.47	28 53N	118 38E	80.6	187.4	2.881	-24.50	70.6	SO409	.05390	9.1197	0.4	V
9027	10829.27	26 51N	118 39E	75.1	187.3	3.232	-9.10	71.6	SO409	.05390	9.7800	0.4	V
9028	10834.67	26 16N	118 4E	76.3	187.3	3.232	-1.40	71.9	SO409	.05390	9.5076	0.8	F
9029	10837.67	26 15N	118 43E	75.5	187.3	3.232	-1.05	71.9	SO409	.05390	9.7222	0.4	V
9030	10847.07	25 32N	119 9E	82.8	187.2	2.881	21.00	72.5	SO409	.05390	8.8721	0.6	V
9031	10850.07	25 32N	119 9E	84.1	187.2	2.881	21.35	72.5	SO409	.05390	8.5998	0.6	A
9032	10855.87	25 10N	118 46E	77.8	187.2	3.092	10.15	72.4	SO409	.05390	9.3013	0.8	A
9033	10863.87	24 29N	118 4E	77.3	187.2	3.232	-13.30	72.0	SO409	.07180	9.4911	0.6	V
9034	10866.87	24 28N	118 3E	78.2	187.1	3.232	-12.95	72.0	SO409	.07180	9.2765	0.4	A
9035	10874.87	23 59N	117 29E	86.5	187.1	3.092	-30.10	71.6	SO409	.05390	8.4017	0.6	A
9036	11058.47	10 51N	115 49E	81.9	186.6	3.439	-1.75	69.5	SO409	.05390	8.8391	2.2	F
9037	11064.27	10 51N	115 49E	82.2	186.6	3.439	-0.70	69.5	SO409	.05390	8.7814	2.2	A
9038	11097.27	8 22N	115 26E	82.4	186.6	3.439	0.70	68.2	SO409	.05390	8.8721	0.6	V
9039	11100.27	8 23N	115 26E	83.5	186.6	3.439	1.05	68.2	SO409	.05390	8.8328	0.6	A
1732 5001	16131.47	27 28N	97 25E	83.8	187.3	2.738	21.35	72.0	SO312	.03080	8.6419	0.8	A
5002	16137.67	26 34N	97 34E	91.8	187.3	2.738	30.80	72.5	SO312	.02210	7.9403	0.8	F
9001	15550.67	66 30N	112 24E	84.1	196.7	1.484	21.70	41.8	SO409	.07180	8.6246	0.6	F
9002	15553.67	66 30N	112 24E	83.3	196.6	1.484	22.05	41.8	SO409	.07180	8.7979	0.6	V
9003	15561.27	65 57N	112 21E	87.6	196.2	1.338	28.00	42.4	SO409	.07180	8.3852	0.4	V
9004	15564.47	65 57N	112 21E	88.6	196.1	1.338	28.00	42.4	SO409	.07180	8.1789	0.6	A
9005	15760.67	52 30N	103 54E	76.4	190.8	2.181	9.80	54.6	SO409	.07180	9.5241	0.8	F
9006	15766.07	52 30N	103 53E	76.5	190.7	2.181	10.15	54.6	SO409	.07180	9.4911	1.0	A
9007	15922.47	41 30N	100 5E	74.0	188.7	2.738	-1.05	63.5	SO409	.07180	9.8212	0.4	F
9008	15925.07	41 30N	100 5E	73.1	188.7	2.738	-0.70	63.6	SO409	.07180	10.0523	0.4	V
9009	15927.67	41 30N	100 5E	74.0	188.7	2.738	-0.35	63.5	SO409	.07180	9.8047	0.4	A
9010	15934.27	40 40N	100 3E	74.7	188.6	2.738	5.25	64.2	SO409	.07180	9.7305	0.4	F
9011	15936.87	40 40N	100 3E	73.9	188.6	2.738	5.60	64.2	SO409	.07180	9.9450	0.4	V
9012	15939.67	40 40N	100 3E	74.9	188.6	2.738	6.30	64.3	SO409	.07180	9.6809	0.4	A
9013	15967.87	38 16N	100 5E	83.8	188.3	2.530	26.25	66.3	SO409	.05390	8.7153	0.6	F
9014	15970.87	38 16N	100 5E	83.1	188.3	2.530	26.60	66.3	SO409	.05390	8.8556	0.6	V
9015	15975.47	38 9N	100 11E	87.6	188.3	2.181	30.80	66.4	SO409	.05390	8.2697	0.4	A
1733 5001	20984.87	58 21N	82 54E	80.8	192.5	1.690	-22.40	49.2	SO312	.03080	8.9638	0.6	F
5002	20987.87	58 21N	82 54E	79.7	192.4	1.690	-22.05	49.2	SO312	.03080	9.2114	0.4	V
5003	21009.87	56 35N	84 31E	89.4	191.9	1.826	31.50	51.2	SO312	.02210	8.2292	0.6	V
5004	21013.27	56 35N	84 31E	90.9	191.8	1.826	31.85	51.2	SO312	.02210	7.9898	0.6	A
5005	21032.07	55 2N	82 40E	75.9	191.4	2.181	6.30	52.4	SO312	.03080	9.5663	0.8	F
5006	21037.47	55 3N	82 40E	76.1	191.3	2.037	7.00	52.4	SO312	.03080	9.5416	0.8	A
5007	21084.07	51 43N	81 12E	74.1	190.5	2.390	2.10	55.3	SO312	.04000	9.9212	0.4	V
5008	21086.87	51 42N	81 12E	75.0	190.5	2.390	2.45	55.3	SO312	.04000	9.6984	0.4	A
5009	21356.67	32 57N	74 45E	93.8	187.8	2.181	-38.50	68.4	SO312	.02210	7.6844	0.8	F
5010	21359.87	32 57N	74 45E	92.5	187.8	2.390	-38.50	68.4	SO312	.02210	7.9238	1.0	V
5011	21379.27	31 24N	76 22E	86.6	187.6	2.530	27.65	70.5	SO312	.02210	8.4850	1.0	V
5012	21382.47	31 24N	76 22E	88.1	187.6	2.530	28.00	70.5	SO312	.02210	8.2209	1.0	A
5013	21394.27	30 21N	76 23E	94.2	187.6	2.390	34.65	71.2	SO312	.02210	7.7835	0.8	V
5014	21397.67	30 21N	76 24E	96.1	187.5	2.181	35.35	71.2	SO312	.01660	7.5276	1.0	A
5015	21509.47	22 24N	73 9E	83.1	187.1	3.092	-23.80	71.9	SO312	.03080	8.6996	0.8	F
5016	21515.27	22 24N	73 10E	82.7	187.0	3.232	-22.75	72.0	SO312	.03080	8.7822	1.0	A
5017	21546.27	19 52N	72 40E	84.2	186.9	3.092	-24.15	71.9	SO312	.03080	8.5841	0.8	F
5018	21552.47	19 51N	72 40E	83.8	186.9	3.232	-23.10	71.9	SO312	.03080	8.6666	0.6	A
5019	21557.87	19 2N	72 49E	79.7	186.9	3.232	-12.25	72.1	SO312	.03080	9.0793	0.6	F
5020	21560.67	19 2N	72 49E	78.9	186.9	3.232	-11.90	72.1	SO312	.03080	9.2857	1.2	V
5021	21564.27	18 60N	72 49E	79.8	186.9	3.439	-11.55	72.1	SO312	.03080	9.0876	0.6	A
9001	21032.27	55 1N	82 39E	75.9	191.4	2.181	6.30	52.4	SO409	.05390	9.5654	0.4	F
9002	21037.67	55 2N	82 39E	76.0	191.3	2.037	7.00	52.4	SO409	.05390	9.5406	0.4	A
9003	21066.07	52 35N	82 43E	89.4	190.8	2.037	30.80	54.7	SO409	.05390	8.1459	0.4	F
9004	21069.27	52 34N	82 42E	88.4	190.8	2.037	30.80	54.7	SO409	.05390	8.3109	0.4	V
9005	21072.47	52 21N	82 42E	90.0	190.7	1.826	32.55	55.0	SO409	.05390	8.1789	0.4	V
9006	21073.67	52 16N	82 40E	90.0	190.7	1.826	32.55	55.0	SO409	.05390	8.1789	0.4	V
9007	21100.07	50 33N	79 12E	92.8	190.3	1.690	-37.80	55.8	SO409	.04070	7.7745	0.6	F
9008	21103.27	50 34N	79 12E	91.7	190.2	1.690	-37.80	55.8	SO409	.04070	7.9973	0.6	V
9009	21119.07	49 27N	80 58E	79.6	190.0	2.181	18.55	57.3	SO409	.07180	9.1032	0.6	A
9010	21121.87	49 4N	80 51E	78.5	190.0	2.390	18.20	57.7	SO409	.07180	9.3508	0.4	V
9011	21124.87	49 3N	80 51E	79.7	189.9	2.181	18.90	57.7	SO409	.07180	9.0867	0.4	A
9012	21139.27	47 53N	80 26E	78.2	189.7	2.390	17.85	58.7	SO409	.05390	9.3838	0.6	V
9013	21142.27	47 52N	80 26E	79.3	189.7	2.390	18.20	58.7	SO409	.05390	9.1197	0.6	A
9014	21178.67	45 8N	78 29E	76.6	189.3	2.390	-16.80	60.6	SO409	.05390	9.4581	0.4	F
9015	21181.27	45 8N	78 29E	75.6	189.2	2.390	-16.45	60.5	SO409	.05390	9.7140	0.4	V
9016	21187.87	44 31N	77 59E	81.1	189.2	2.181	-25.90	60.9	SO409	.05390	8.9134	0.6	F
9017	21190.67	44 31N	77 59E	80.0	189.1	2.390	-25.90	60.9	SO409	.05390	9.1775	0.6	V
9018	21192.47	44 24N	77 57E	80.0	189.1	2.390	-25.90	61.0	SO409	.05390	9.1775	0.4	V
9019	21195.47	44 24N	77 57E	80.8	189.1	2.390	-25.55	61.0	SO409	.05390	9.0124	0.4	A
9020	21208.27	43 22N	77 9E	91.6	188.9	2.037	-38.50	61.6	SO409	.04070	8.0138	0.6	V
9021	21211.67	43 22N	77 9E	92.2	188.9	2.037	-38.15	61.6	SO409	.04070	7.8983	0.6	A
1734 5001	26366.87	53 5N	60 44E	87.8	190.9	2.181	29.05	54.3	SO312	.03080	8.3117	2.0	F
5002	26369.87	52 52N	60 39E	87.7	190.9	2.181	29.05	54.5	SO312	.03080	8.3200	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1734 5003	26374.67	52 58N	60 41E	88.5	190.8	1.826	30.10	54.4	S0312	.03080	8.2127	0.6	A
5004	26376.27	52 52N	60 39E	88.5	190.8	1.826	30.10	54.5	S0312	.03080	8.2177	0.4	A
9001	26294.87	58 13N	60 35E	82.4	192.4	1.690	-25.20	49.3	S0409	.07180	8.7814	1.4	F
9002	26299.47	58 7N	60 25E	82.8	192.3	1.690	-27.30	49.4	S0409	.07180	8.8639	1.6	V
9003	26303.27	58 4N	60 24E	83.4	192.2	1.690	-26.95	49.4	S0409	.07180	8.7153	0.8	A
9004	26311.87	57 0N	60 47E	75.8	192.0	2.037	-9.10	50.5	S0409	.07180	9.5654	0.4	F
9005	26314.47	57 1N	60 47E	74.8	192.0	2.037	-8.75	50.5	S0409	.07180	9.8130	0.6	V
9006	26317.27	57 0N	60 47E	75.6	191.9	2.037	-8.40	50.5	S0409	.07180	9.6067	0.6	A
9007	26323.07	56 14N	60 38E	75.1	191.8	2.037	-4.20	51.2	S0409	.07180	9.6562	0.8	F
9008	26328.27	56 14N	60 38E	75.1	191.7	2.037	-3.85	51.2	S0409	.07180	9.6727	1.0	A
9009	26338.07	56 16N	59 39E	78.3	191.5	1.826	-18.55	52.0	S0409	.07180	9.2435	1.4	F
9010	26342.67	55 8N	59 43E	76.2	191.4	2.037	-15.75	52.1	S0409	.07180	9.6397	0.6	V
9011	26345.47	55 8N	59 43E	76.9	191.3	2.037	-15.40	52.1	S0409	.07180	9.4499	0.6	A
9012	26381.87	52 31N	59 57E	79.3	190.7	2.037	17.50	54.7	S0409	.07180	9.1362	0.4	A
9013	26388.47	51 37N	60 6E	86.7	190.6	2.181	28.00	55.5	S0409	.05390	8.4182	0.6	F
9014	26391.67	51 24N	59 60E	86.3	190.5	2.181	27.65	55.7	S0409	.05390	8.4512	0.6	F
9015	26396.07	51 6N	59 51E	85.7	190.5	2.181	26.95	56.0	S0409	.05390	8.5173	0.4	F
9016	26399.07	51 7N	59 51E	85.0	190.4	2.181	27.30	56.0	S0409	.05390	8.4658	0.4	V
9017	26403.47	50 50N	59 31E	81.0	190.3	2.181	22.05	56.2	S0409	.07180	9.0785	0.8	V
9018	26406.47	50 50N	59 31E	82.2	190.3	2.181	22.40	56.2	S0409	.07180	8.8226	1.0	A
9019	26434.87	48 36N	58 4E	74.9	189.9	2.530	3.15	57.9	S0409	.07180	9.7057	1.4	F
9020	26440.27	48 36N	58 4E	75.0	189.8	2.530	3.85	57.9	S0409	.07180	9.6809	1.4	A
9021	26456.87	47 9N	57 4E	75.8	189.6	2.390	-13.30	59.0	S0409	.07180	9.5571	0.8	F
9022	26462.27	47 9N	57 5E	75.5	189.5	2.530	-12.25	59.0	S0409	.07180	9.6149	0.8	A
9023	26572.07	39 30N	54 22E	85.1	188.4	2.390	-31.85	64.5	S0409	.04070	8.6246	0.8	V
9024	26575.07	39 31N	54 22E	85.8	188.4	2.390	-31.50	64.5	S0409	.04070	8.4843	0.8	A
1735 5001	31366.87	73 23N	54 38E	87.0	203.9	1.135	23.80	35.0	S0312	.04000	8.3282	1.0	F
5002	31373.07	73 23N	54 40E	87.4	203.3	0.995	24.50	35.0	S0312	.04000	8.3117	1.2	A
5003	31472.07	67 6N	44 18E	78.2	196.8	1.338	-14.70	41.1	S0312	.04000	9.3765	0.4	V
5004	31475.07	67 5N	44 18E	79.0	196.7	1.338	-14.35	41.1	S0312	.04000	9.2031	0.4	A
5005	31513.87	64 23N	41 36E	83.8	195.1	1.135	-26.60	43.6	S0312	.04000	8.7409	0.6	V
5006	31517.07	64 23N	41 35E	84.9	195.0	1.338	-26.95	43.6	S0312	.04000	8.5758	0.6	A
5007	31553.67	61 40N	40 24E	79.3	193.7	1.484	-20.30	46.2	S0312	.04000	9.2527	0.4	V
5008	31556.67	61 40N	40 24E	80.0	193.7	1.484	-19.95	46.2	S0312	.04000	9.0876	0.4	A
5009	31583.67	59 26N	39 35E	77.2	192.9	1.690	-13.65	48.3	S0312	.04000	9.3930	0.4	F
5010	31591.07	59 11N	38 45E	83.5	192.7	1.484	-28.00	48.4	S0312	.04000	8.7739	0.8	V
5011	31594.07	59 11N	38 45E	84.4	192.6	1.690	-28.00	48.4	S0312	.04000	8.6336	0.8	A
5012	31605.47	58 12N	40 11E	78.5	192.4	1.826	14.35	49.5	S0312	.04000	9.2527	0.6	A
5013	31611.47	57 36N	39 56E	77.8	192.2	1.826	15.05	50.1	S0312	.05370	9.4425	0.6	V
5014	31614.27	57 36N	39 57E	78.9	192.2	1.826	15.40	50.1	S0312	.04000	9.2114	1.0	A
5015	31623.47	57 1N	39 16E	76.0	191.9	2.037	5.95	50.6	S0312	.04000	9.5663	0.4	A
5016	31630.67	56 14N	38 18E	75.7	191.8	2.037	-9.80	51.2	S0312	.04000	9.5663	0.4	F
5017	31636.07	56 14N	38 19E	75.6	191.7	2.037	-9.10	51.2	S0312	.04000	9.6076	0.4	A
5018	31642.07	55 31N	37 21E	81.8	191.6	1.826	-25.20	51.7	S0312	.03080	8.8400	0.6	F
5019	31645.07	55 30N	37 20E	80.9	191.5	1.826	-25.20	51.7	S0312	.04000	9.0711	0.6	V
5020	31650.87	55 7N	37 3E	82.7	191.4	1.826	-28.00	52.0	S0312	.03080	8.8647	0.6	V
5021	31653.87	55 8N	37 3E	83.5	191.3	1.826	-27.65	52.0	S0312	.03080	8.7244	0.6	A
5022	31662.67	54 14N	37 37E	74.2	191.2	2.181	-6.30	53.0	S0312	.04000	9.9047	0.6	V
5023	31665.47	54 13N	37 37E	75.0	191.1	2.181	-5.95	53.0	S0312	.04000	9.6984	0.4	A
5024	31673.87	53 33N	36 34E	81.1	191.0	1.826	-25.90	53.4	S0312	.03080	9.0463	0.6	V
5025	31676.87	53 33N	36 33E	81.9	190.9	2.037	-25.90	53.4	S0312	.03080	8.8977	0.4	A
5026	31682.47	52 60N	36 3E	86.2	190.8	1.826	-32.55	53.8	S0312	.03080	8.5016	1.2	V
5027	31686.27	52 57N	36 2E	86.9	190.7	1.826	-32.20	53.9	S0312	.03080	8.3777	0.6	A
5028	31696.87	51 46N	36 13E	78.2	190.6	2.037	-19.25	55.0	S0312	.03080	9.2692	1.8	F
5029	31714.07	50 36N	35 45E	79.1	190.3	2.037	-21.35	56.0	S0312	.03080	9.1619	0.8	F
5030	31720.07	50 12N	35 30E	80.5	190.2	2.037	-24.15	56.3	S0312	.03080	8.9803	0.4	F
5031	31725.87	50 11N	35 31E	80.1	190.1	2.181	-23.45	56.3	S0312	.03080	9.0793	0.4	A
5032	31744.07	48 27N	35 60E	75.3	189.9	2.530	5.60	58.0	S0312	.03080	9.6654	0.6	F
5033	31746.87	48 27N	35 59E	74.5	189.8	2.530	5.95	58.0	S0312	.04000	9.8717	0.4	V
5034	31749.47	48 27N	35 60E	75.5	189.8	2.530	6.30	58.0	S0312	.03080	9.6406	0.4	A
5035	31756.47	47 51N	35 13E	74.7	189.7	2.390	-11.90	58.4	S0312	.04000	9.8387	0.6	V
5036	31759.27	47 51N	35 13E	75.5	189.7	2.390	-11.55	58.4	S0312	.03080	9.6406	0.6	A
5037	32441.67	0 33N	25 12E	89.0	186.5	3.587	-15.40	62.6	S0312	.03080	8.0971	1.2	F
5038	32448.27	0 32N	25 12E	89.2	186.5	3.587	-14.35	62.6	S0312	.03080	8.0889	1.0	A
9001	31533.87	62 55N	41 47E	75.6	194.4	1.484	-7.35	45.1	S0409	.07180	9.7057	0.8	V
9002	31620.27	57 14N	39 24E	76.2	192.0	2.037	7.00	50.4	S0409	.07180	9.5241	0.6	A
9003	31629.67	56 18N	38 20E	75.8	191.8	2.037	-9.80	51.1	S0409	.07180	9.5654	0.8	F
9004	31635.07	56 18N	38 20E	75.6	191.7	2.037	-9.10	51.1	S0409	.07180	9.6067	1.0	A
9005	31704.47	51 42N	35 37E	86.9	190.4	2.037	-32.55	54.9	S0409	.05390	8.3770	0.6	A
9006	31720.07	50 11N	35 30E	80.6	190.2	2.037	-24.15	56.3	S0409	.07180	8.9794	0.4	F
9007	31725.87	50 11N	35 31E	80.1	190.1	2.181	-23.45	56.3	S0409	.07180	9.0785	0.4	A
9008	31731.67	49 34N	35 29E	77.1	190.0	2.181	-19.25	56.9	S0409	.07180	9.5159	0.4	V
9009	31734.67	49 34N	35 29E	77.9	190.0	2.390	-19.25	56.9	S0409	.07180	9.3343	0.4	A
9010	31781.67	45 52N	35 16E	75.9	189.4	2.530	8.40	60.2	S0409	.07180	9.5902	0.6	F
9011	31784.47	45 52N	35 16E	75.1	189.4	2.530	8.75	60.2	S0409	.07180	9.7882	0.6	V
9012	31797.47	45 8N	33 36E	87.0	189.2	2.037	-33.95	60.3	S0409	.05390	8.4347	1.0	V
9013	31800.67	45 8N	33 36E	87.7	189.2	2.037	-33.60	60.3	S0409	.05390	8.3027	1.0	A
9014	31804.67	44 38N	33 33E	85.1	189.1	2.037	-31.85	60.7	S0409	.05390	8.6246	0.4	V
9015	31807.67	44 38N	33 33E	85.8	189.1	2.390	-31.85	60.7	S0409	.05390	8.4843	0.6	A
9016	32001.27	30 52N	30 57E	76.7	187.6	3.092	-12.25	70.0	S0409	.04070	9.4416	0.8	F
9017	32006.67	30 52N	30 56E	76.7	187.6	3.092	-11.55	70.0	S0409	.04070	9.4664	0.8	A
9018	32011.47	30 9N	30 56E	76.0	187.5	3.092	-7.00	70.4	S0409	.04070	9.5489	0.8	F
9019	32016.87	30 9N	30 55E	76.0	187.5	3.092	-6.30	70.4	S0409	.04070	9.5406	1.0	A
9020	32853.47	27 48S	21 37E	129.0	187.3	2.390	30.80	38.7	S0409	.05390	5.5544	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1735 9021	32854.07	27 48S	21 38E	128.7	187.4	2.181	31.50	38.7	SO409	.05390	5.6040	0.6	V
9022	32863.07	27 49S	21 36E	130.8	187.4	2.181	31.50	38.7	SO409	.05390	5.4059	0.6	A
9023	32943.67	33 39S	18 26E	116.7	187.8	3.092	-17.50	32.4	SO409	.05390	6.0909	0.6	F
9024	32947.87	33 39S	18 27E	115.3	187.8	3.092	-16.80	32.4	SO409	.05390	6.2312	0.6	V
9025	32953.07	34 3S	18 46E	112.4	187.9	3.092	-6.65	32.2	SO409	.05390	6.3962	0.6	V
9026	32957.27	34 3S	18 46E	114.1	187.9	3.092	-6.30	32.2	SO409	.05390	6.2064	0.6	A
1736 9001	36961.87	54 35N	16 50E	82.1	191.3	2.037	23.10	52.8	SO409	.07180	8.9547	0.4	V
9002	36964.87	54 35N	16 50E	83.2	191.2	2.037	23.45	52.8	SO409	.07180	8.6988	0.4	A
9003	36978.47	53 28N	14 36E	79.9	191.0	2.037	-22.40	53.5	SO409	.07180	9.0620	0.6	F
9004	36981.27	53 28N	14 36E	78.8	190.9	2.037	-22.05	53.5	SO409	.09620	9.3178	1.2	V
9005	36988.07	52 51N	13 50E	84.6	190.8	1.826	-33.95	53.9	SO409	.05390	8.1459	0.6	F
9006	36991.27	52 50N	13 50E	87.2	190.8	1.826	-33.60	53.9	SO409	.05390	8.4017	0.6	V
9007	36997.47	52 23N	14 3E	80.9	190.7	2.037	-25.90	54.4	SO409	.07180	9.0765	0.6	V
9008	37000.27	52 24N	14 3E	81.6	190.6	2.037	-25.55	54.4	SO409	.07180	8.9134	0.8	A
9009	37006.87	51 33N	13 35E	85.0	190.5	1.826	-30.10	55.1	SO409	.05390	8.4925	0.6	F
9010	37009.87	51 33N	13 35E	83.7	190.5	1.826	-29.75	55.1	SO409	.07180	8.7566	0.6	V
9011	37012.87	51 21N	13 33E	83.0	190.4	2.037	-29.05	55.3	SO409	.07180	8.8474	0.8	V
9012	37015.87	51 21N	13 34E	83.7	190.4	2.037	-28.70	55.3	SO409	.05390	8.6988	1.0	A
9013	37024.07	50 31N	13 51E	75.4	190.2	2.181	-15.05	56.1	SO409	.07180	9.7387	0.6	V
9014	37026.87	50 31N	13 50E	76.2	190.2	2.390	-15.05	56.1	SO409	.07180	9.5406	0.6	A
9015	37032.67	49 46N	13 23E	78.9	190.1	2.181	-21.35	56.7	SO409	.07180	9.1775	0.6	F
9016	37035.67	49 45N	13 23E	77.6	190.1	2.181	-20.65	56.7	SO409	.07180	9.4499	0.6	V
9017	37038.47	49 45N	13 23E	78.4	190.0	2.181	-20.30	56.7	SO409	.07180	9.2765	0.6	A
9018	37043.67	49 10N	13 34E	74.0	190.0	2.390	-10.50	57.3	SO409	.07180	9.9285	0.6	V
9019	37046.47	49 10N	13 34E	74.8	189.9	2.390	-10.15	57.3	SO409	.07180	9.7140	0.6	A
9020	37092.67	45 40N	13 46E	85.1	189.3	2.181	27.65	60.6	SO409	.05390	8.6493	0.6	V
9021	37095.67	45 41N	13 47E	86.4	189.3	2.181	28.00	60.6	SO409	.05390	8.3852	0.6	A
1737 5001	42265.67	54 38N	5 55W	75.8	191.3	2.181	7.00	52.7	SO312	.04000	9.5911	0.6	F
5002	42271.07	54 38N	5 55W	76.1	191.2	2.181	7.70	52.7	SO312	.04000	9.5581	0.8	A
5003	42284.07	53 21N	6 14W	77.2	191.0	2.181	12.25	53.8	SO312	.04000	9.4343	0.6	F
5004	42289.47	53 22N	6 13W	77.5	190.9	2.181	12.95	53.8	SO312	.04000	9.3765	0.8	A
1738 9001	48674.67	21 12S	43 45W	115.3	187.0	2.738	25.20	44.7	SO409	.05390	6.2229	1.6	F
9002	48693.87	21 56S	46 30W	135.4	187.0	3.092	-44.10	42.8	SO409	.04070	5.3316	0.8	V
9003	48699.07	21 57S	46 30W	136.8	187.1	3.092	-43.75	42.8	SO409	.04070	5.2326	0.6	A
9004	48706.67	23 11S	45 52W	111.7	187.1	3.232	-25.20	42.1	SO409	.05390	6.3880	1.4	F
9005	48710.67	23 11S	45 51W	110.2	187.1	3.232	-24.50	42.1	SO409	.05390	6.5613	1.4	V
9006	48715.27	23 13S	45 51W	111.2	187.1	3.439	-23.80	42.1	SO409	.05390	6.4210	0.6	A
9007	48722.47	23 57S	46 19W	118.3	187.1	3.232	-31.85	41.3	SO409	.07180	6.1156	0.6	V
9008	48726.87	23 57S	46 18W	119.1	187.2	3.439	-31.15	41.3	SO409	.07180	6.0001	0.6	A
1739 5001	53519.47	10 41N	61 31W	84.0	186.6	3.439	-18.55	69.1	SO312	.03080	8.7079	0.4	V
5002	53522.67	10 41N	61 31W	84.9	186.6	3.439	-17.85	69.1	SO312	.03080	8.5346	0.4	A
5003	53570.67	7 19N	61 30W	85.0	186.6	3.232	6.65	67.8	SO312	.03080	8.4850	1.6	A
5004	53589.27	5 48N	61 30W	87.8	186.6	3.092	16.45	67.0	SO312	.03080	8.3117	1.0	V
5005	53594.67	5 40N	61 47W	85.3	186.5	3.439	6.65	66.7	SO312	.03080	8.4438	0.6	A
5006	54330.67	44 12S	71 51W	122.1	189.1	2.530	2.45	22.8	SO312	.03080	5.7777	0.8	A
5007	54408.07	49 23S	72 47W	131.2	190.1	1.826	14.00	18.0	SO312	.04000	5.3568	0.8	A
9001	53561.87	7 33N	61 53W	84.1	186.6	3.439	-11.90	67.5	SO409	.05390	8.5750	1.6	F
9002	53920.27	16 35S	65 46W	99.7	186.8	3.232	4.20	48.6	SO409	.05390	7.1473	0.6	A
9003	54074.27	27 40S	67 5W	120.0	187.3	2.530	24.50	38.8	SO409	.05390	5.9753	1.2	F
9004	54088.27	27 60S	67 34W	112.8	187.4	2.738	14.70	38.3	SO409	.05390	6.2725	1.2	A
9005	54162.07	33 21S	70 46W	133.6	187.8	2.881	-35.35	32.4	SO409	.04070	5.2986	1.0	F
9006	54169.07	33 31S	70 41W	128.5	187.8	3.092	-32.90	32.3	SO409	.05390	5.5957	1.4	V
9007	54173.87	33 31S	70 40W	129.5	187.9	3.092	-32.20	32.3	SO409	.05390	5.4967	1.4	A
9008	54228.87	37 24S	70 12W	115.6	188.2	2.881	-0.35	29.2	SO409	.04070	6.1074	1.2	A
9009	54275.47	41 6S	71 9W	118.0	188.6	2.738	-1.40	25.7	SO409	.05390	6.0166	1.4	F
9010	54280.47	41 7S	71 24W	117.2	188.6	2.738	-6.30	25.6	SO409	.07180	6.1074	0.4	V
9011	54284.87	41 7S	71 24W	116.9	188.7	2.738	-5.95	25.6	SO409	.05390	5.9341	0.4	A
9012	54313.27	42 54S	72 41W	127.8	189.0	2.881	-21.70	23.6	SO409	.05390	5.5214	0.8	A
9013	54341.27	45 32S	72 6W	122.9	189.2	2.390	4.55	21.5	SO409	.07180	5.7690	1.4	F
9014	54350.27	45 32S	72 3W	124.1	189.3	2.390	5.95	21.6	SO409	.07180	5.6617	1.0	A
1740 5001	58409.07	38 53N	76 55W	79.1	188.4	2.738	16.80	65.6	SO312	.02210	9.2031	1.2	F
5002	58414.67	38 53N	76 55W	79.7	188.3	2.530	17.85	65.6	SO312	.02210	9.0958	1.2	A
5003	58831.27	9 57N	84 5W	92.4	186.6	3.092	-30.80	68.4	SO312	.02210	7.8000	0.6	F
5004	58834.67	9 57N	84 5W	91.0	186.6	3.092	-30.10	68.5	SO312	.02210	8.0393	0.4	V
5005	58844.47	9 10N	83 20W	82.4	186.6	3.439	3.85	68.8	SO312	.03080	8.8730	0.4	V
9001	58408.87	38 54N	76 55W	79.2	188.4	2.738	16.80	65.6	SO409	.05390	9.2023	1.4	F
9002	58414.67	38 53N	76 55W	79.7	188.3	2.530	17.85	65.6	SO409	.05390	9.0950	1.2	A
9003	58640.27	23 6N	81 32W	84.7	187.1	2.881	-26.60	71.8	SO409	.07180	8.5173	0.8	F
9004	58653.27	22 4N	80 30W	85.1	187.0	3.092	20.65	73.0	SO409	.04070	8.5585	0.4	F
9005	58657.47	22 12N	80 29W	85.5	187.0	2.881	21.35	73.0	SO409	.07180	8.4182	1.0	A
9006	58659.27	22 5N	80 31W	85.5	187.0	2.881	21.35	73.0	SO409	.07180	8.4182	0.4	A
1746 5001	3718.46	48 6N	153 17E	82.3	189.8	2.390	22.05	58.3	SO312	.02210	8.8565	0.4	F
5002	3721.26	48 7N	153 17E	81.7	189.8	2.181	22.75	58.3	SO312	.02210	9.0133	0.8	V
5003	3724.66	48 5N	153 17E	83.0	189.7	2.181	23.10	58.4	SO312	.02210	8.7574	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1746 5004	3739.06	46 60N	152 2E	73.9	189.6	2.390	-3.15	59.0	SO312	.04000	9.9543	0.4	V
5005	3741.66	47 0N	152 3E	74.8	189.5	2.390	-2.80	59.0	SO312	.04000	9.7314	0.6	A
9001	3401.86	69 40N	162 23E	88.1	199.0	0.787	-27.30	38.4	SO409	.07180	8.1954	1.4	F
9002	3408.46	69 40N	162 16E	88.9	198.6	0.995	-26.70	38.4	SO409	.07180	8.1706	1.2	A
9003	3733.66	47 10N	152 16E	74.9	189.6	2.530	1.75	58.9	SO409	.07180	9.6974	0.6	F
1747 5001	9139.66	40 42N	128 9E	74.0	188.6	2.881	-3.50	63.9	SO312	.03080	9.8139	0.6	F
5002	9151.26	39 55N	127 48E	75.1	188.5	2.738	-8.75	64.4	SO312	.04000	9.6489	1.0	F
5003	9156.86	39 55N	127 47E	75.2	188.5	2.881	-8.40	64.4	SO312	.04000	9.6736	0.8	A
5004	9162.26	39 11N	127 26E	76.5	188.4	2.738	-15.05	64.9	SO312	.04000	9.4673	0.4	F
5005	9164.86	39 11N	127 26E	75.6	188.4	2.738	-14.70	64.9	SO312	.04000	9.7149	0.6	V
5006	9168.26	39 9N	127 25E	76.3	188.4	2.738	-14.35	64.9	SO312	.03080	9.5168	0.4	A
5007	9172.06	38 31N	127 15E	76.6	188.3	2.738	-15.75	65.3	SO312	.03080	9.4673	0.6	F
5008	9177.46	38 10N	126 48E	82.5	188.3	2.530	-27.30	65.4	SO312	.02210	8.7904	0.6	F
5009	9184.66	37 39N	127 6E	76.3	188.2	2.738	-14.00	65.9	SO312	.02210	9.4920	0.4	F
5010	9190.06	37 39N	127 5E	76.3	188.2	2.881	-13.65	65.9	SO312	.02210	9.5333	0.4	A
5011	9201.86	36 43N	126 11E	87.9	188.1	2.390	-34.65	66.2	SO312	.03080	8.3447	1.0	V
5012	9205.06	36 43N	126 11E	88.6	188.1	2.390	-34.30	66.2	SO312	.03080	8.2209	1.2	A
5013	9634.86	6 58N	122 4E	96.2	186.6	2.738	26.25	68.1	SO312	.02210	7.4615	1.4	A
9001	9006.46	50 8N	129 33E	91.1	190.1	1.690	-37.10	56.0	SO409	.04070	8.0468	0.6	V
9002	9009.86	50 8N	129 33E	91.8	190.1	1.690	-36.75	56.0	SO409	.04070	7.9313	0.6	A
9003	9088.86	44 31N	129 31E	75.8	189.1	2.530	8.05	61.1	SO409	.05390	9.5737	0.6	A
9004	9104.26	42 58N	129 51E	88.6	189.0	2.390	29.75	62.6	SO409	.05390	8.2284	0.4	F
9005	9108.06	42 42N	129 48E	88.6	188.9	2.390	30.10	62.8	SO409	.05390	8.2284	0.4	F
9006	9113.06	42 23N	129 33E	85.0	188.9	2.530	26.25	63.0	SO409	.05390	8.5833	0.6	F
9007	9118.26	42 16N	129 17E	79.9	188.8	2.530	20.30	63.0	SO409	.05390	9.2023	1.0	V
9008	9127.06	41 56N	128 25E	74.0	188.7	2.738	-4.55	63.0	SO409	.05390	9.8130	0.6	A
9009	9133.66	41 32N	127 55E	76.8	188.7	2.738	-17.85	63.1	SO409	.07180	9.4746	0.4	A
9010	9144.46	40 21N	128 18E	75.2	188.6	2.881	4.55	64.3	SO409	.07180	9.6562	0.8	F
9011	9151.46	39 54N	127 48E	75.2	188.5	2.738	-8.75	64.4	SO409	.05390	9.6479	0.4	F
9012	9156.86	39 54N	127 47E	75.1	188.5	2.881	-8.40	64.4	SO409	.05390	9.6727	0.4	A
9013	9162.26	39 11N	127 26E	76.6	188.4	2.738	-15.05	64.9	SO409	.07180	9.4664	0.4	F
9014	9167.66	39 11N	127 26E	76.4	188.4	2.738	-14.35	64.9	SO409	.07180	9.5159	0.4	A
9015	9184.46	37 39N	127 6E	76.4	188.2	2.738	-14.00	65.9	SO409	.05390	9.4911	0.4	F
9016	9190.06	37 39N	127 5E	76.3	188.2	2.881	-13.65	65.9	SO409	.05390	9.5324	0.4	A
9017	9808.06	5 7S	119 28E	91.3	186.5	3.232	7.35	58.7	SO409	.05390	7.9808	0.6	V
9018	9811.46	5 7S	119 29E	92.8	186.5	3.232	8.05	58.7	SO409	.05390	7.7250	0.6	A
1748 5001	14579.46	31 56N	104 44E	84.2	187.7	2.738	24.85	70.0	SO312	.02210	8.7162	1.0	V
5002	14592.06	30 59N	103 36E	75.7	187.6	3.092	-9.10	69.9	SO312	.03080	9.5746	0.4	F
5003	14597.46	30 59N	103 36E	75.8	187.6	3.092	-8.05	69.9	SO312	.03080	9.5911	0.6	A
5004	14617.26	29 16N	103 4E	77.5	187.5	3.092	-15.75	70.5	SO312	.02210	9.3600	0.6	F
5005	14620.06	29 15N	103 4E	76.6	187.5	3.092	-15.40	70.5	SO312	.02210	9.5911	0.4	V
5006	14664.26	26 1N	102 27E	76.9	187.3	3.092	-14.00	71.6	SO312	.03080	9.4343	0.4	F
5007	14666.86	26 2N	102 27E	76.0	187.2	3.092	-13.65	71.6	SO312	.03080	9.6654	0.4	V
5008	14675.06	25 13N	102 45E	76.4	187.2	3.232	4.55	72.2	SO312	.03080	9.5250	0.4	F
5009	14678.86	24 57N	102 48E	77.6	187.2	3.232	8.75	72.3	SO312	.03080	9.3847	0.8	F
5010	14684.46	24 57N	102 48E	78.1	187.2	3.092	9.80	72.3	SO312	.03080	9.2774	0.8	A
5011	14700.66	23 25N	102 45E	82.1	187.1	3.092	18.20	72.8	SO312	.03080	8.8730	0.6	F
5012	14706.46	23 25N	102 46E	83.1	187.1	2.881	19.60	72.8	SO312	.03080	8.7162	0.8	A
5013	14712.46	23 1N	102 27E	80.0	187.1	3.092	10.85	72.7	SO312	.03080	9.0463	0.6	A
5014	14753.86	19 56N	102 11E	85.6	186.9	2.881	22.05	73.0	SO312	.02210	8.5841	1.0	V
5015	14757.06	19 56N	102 10E	87.0	186.9	2.881	22.40	73.0	SO312	.02210	8.3117	1.0	A
5016	14841.26	13 46N	100 34E	81.1	186.7	3.439	3.50	71.1	SO312	.03080	8.9555	0.4	F
5017	14844.06	13 47N	100 34E	80.4	186.7	3.232	4.20	71.1	SO312	.03080	9.1123	0.8	V
5018	14847.26	13 46N	100 34E	81.5	186.7	3.439	4.20	71.1	SO312	.03080	8.8647	0.6	A
9001	14145.86	61 29N	112 53E	80.7	193.7	1.484	-19.95	46.1	SO409	.07180	8.9629	0.8	F
9002	14151.66	61 29N	112 52E	80.4	193.6	1.484	-19.60	46.1	SO409	.07180	9.0290	0.8	A
9003	14355.86	47 24N	107 28E	75.6	189.6	2.390	-16.80	58.5	SO409	.05390	9.7222	0.6	V
9004	14358.66	47 24N	107 27E	76.3	189.6	2.390	-16.45	58.5	SO409	.05390	9.5324	0.6	A
9005	14456.06	40 22N	106 59E	87.6	188.6	2.390	29.75	64.6	SO409	.05390	8.3852	0.6	V
9006	14480.46	38 31N	106 17E	83.4	188.4	2.738	23.45	65.8	SO409	.05390	8.7401	0.6	F
9007	14483.46	38 31N	106 17E	82.8	188.3	2.530	24.15	65.9	SO409	.05390	8.8887	0.4	V
9008	14486.86	38 30N	106 14E	82.9	188.3	2.530	23.45	65.9	SO409	.05390	8.7401	0.6	A
9009	14492.86	38 4N	106 19E	87.1	188.3	2.390	28.70	66.2	SO409	.05390	8.3027	0.4	A
9010	14508.86	36 43N	104 35E	77.8	188.1	2.738	-19.95	66.4	SO409	.05390	9.3178	0.4	F
9011	14511.46	36 44N	104 35E	76.7	188.1	2.738	-19.60	66.4	SO409	.07180	9.5737	0.6	V
9012	14523.06	35 58N	104 11E	80.5	188.0	2.738	-26.95	66.8	SO409	.05390	9.1280	0.4	V
9013	14526.06	35 57N	104 11E	81.0	188.0	2.738	-26.25	66.8	SO409	.05390	8.9877	0.4	A
9014	14534.46	35 23N	103 59E	82.5	188.0	2.738	-28.70	67.1	SO409	.05390	8.8309	0.4	A
9015	14592.06	30 58N	103 36E	75.8	187.6	3.092	-9.10	69.9	SO409	.05390	9.5737	0.4	F
9016	14597.46	30 59N	103 36E	75.7	187.6	3.092	-8.05	69.9	SO409	.05390	9.5902	0.4	A
9017	14858.46	12 43N	100 56E	91.1	186.7	2.881	25.20	71.2	SO409	.05390	8.0386	0.6	V
9018	14861.86	12 43N	100 56E	92.7	186.7	2.881	25.55	71.2	SO409	.05390	7.7662	0.6	A
9019	14986.06	3 48N	98 43E	85.4	186.5	3.439	-0.35	65.4	SO409	.07180	8.4678	0.6	F
9020	14989.06	3 48N	98 42E	84.6	186.5	3.439	0.00	65.4	SO409	.07180	8.6328	0.6	V
9021	14991.86	3 37N	98 41E	84.8	186.5	3.439	0.35	65.3	SO409	.04070	8.6163	1.4	V
1749 5001	19539.86	55 38N	89 41E	81.2	191.6	2.037	19.60	51.7	SO312	.03080	8.9638	0.4	F
5002	20045.06	21 7N	79 35E	78.0	187.0	3.232	-5.95	72.4	SO312	.03080	9.3022	0.6	F
5003	20050.66	21 8N	79 34E	78.2	187.0	3.232	-5.25	72.4	SO312	.03080	9.2774	0.6	A
5004	20166.26	13 1N	77 38E	84.7	186.7	3.232	-22.75	70.2	SO312	.03080	8.6336	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1749 5005	20169.46	13 1N	77 38E	85.6	186.7	3.439	-22.40	70.2	SO312	.03080	8.4768	0.8	A
9001	19544.06	55 20N	89 35E	81.6	191.6	2.037	20.30	52.6	SO409	.07180	8.9217	1.2	F
9002	19547.66	55 17N	89 34E	80.8	191.5	2.037	20.65	52.0	SO409	.07180	9.0950	0.4	V
9003	19550.86	55 5N	89 25E	80.0	191.4	2.037	19.25	52.2	SO409	.07180	9.1940	0.6	V
9004	19553.86	55 5N	89 25E	81.1	191.4	2.037	19.60	52.2	SO409	.07180	8.9464	0.4	A
9005	19820.46	36 46N	82 53E	73.1	188.1	2.881	-4.55	66.6	SO409	.07180	10.0606	0.6	V
9006	19823.26	36 45N	82 53E	73.9	188.1	2.881	-4.20	66.6	SO409	.07180	9.8212	0.4	A
9007	19968.26	26 26N	80 24E	78.2	187.3	3.092	-14.35	71.5	SO409	.05390	9.2683	0.6	F
9008	19973.86	26 26N	80 25E	78.0	187.3	3.232	-13.30	71.5	SO409	.05390	9.3013	0.6	A
9009	20230.86	8 34N	76 52E	86.6	186.6	3.439	-21.70	68.0	SO409	.05390	8.4347	0.8	V
9010	20234.06	8 34N	76 52E	87.6	186.6	3.439	-21.35	68.0	SO409	.05390	8.2614	0.8	A
1750 5001	24854.86	55 28N	65 21E	86.8	191.5	1.484	-30.80	51.5	SO312	.03080	8.3200	0.4	F
5002	24861.06	55 29N	65 20E	86.6	191.4	1.690	-30.80	51.5	SO312	.03080	8.4108	0.4	A
9001	24653.46	68 56N	75 51E	78.8	198.4	1.338	10.15	39.2	SO409	.07180	9.3096	0.6	V
9002	24656.46	68 56N	75 51E	79.8	198.2	1.135	10.50	39.2	SO409	.07180	9.0950	0.6	A
9003	24906.86	51 42N	66 7E	83.4	190.6	2.181	23.45	55.2	SO409	.07180	8.7401	0.4	F
9004	24910.26	51 27N	66 8E	85.3	190.5	2.181	25.90	55.4	SO409	.05390	8.5503	0.6	F
9005	24913.26	51 27N	66 8E	84.5	190.5	2.181	26.25	55.4	SO409	.05390	8.7071	0.6	V
9006	24917.46	51 9N	66 12E	88.0	190.4	2.181	30.10	55.8	SO409	.05390	8.3687	0.6	V
9007	24920.66	51 9N	66 12E	89.4	190.4	1.826	30.80	55.8	SO409	.05390	8.1129	0.6	A
9008	24923.06	50 59N	66 9E	89.3	190.3	1.826	30.80	55.9	SO409	.05390	8.1211	0.6	A
9009	24991.66	46 4N	63 3E	75.4	189.4	2.390	-10.15	59.6	SO409	.07180	9.6149	2.0	F
9010	24997.06	46 5N	63 3E	75.3	189.4	2.390	-9.45	59.6	SO409	.07180	9.6479	2.0	A
9011	25112.06	37 42N	61 49E	83.5	188.3	2.738	23.10	66.4	SO409	.04070	8.7318	0.8	F
9012	25113.46	37 36N	61 48E	83.5	188.3	2.738	23.10	66.5	SO409	.04070	8.7318	0.6	F
9013	25118.06	37 42N	61 50E	84.4	188.2	2.530	24.50	66.4	SO409	.04070	8.5750	0.8	A
9014	25119.46	37 36N	61 49E	84.4	188.2	2.530	24.50	66.5	SO409	.04070	8.5750	0.6	A
1751 5001	29981.06	67 39N	53 3E	81.9	197.4	1.338	18.55	40.4	SO312	.04000	8.9720	0.8	V
5002	29984.06	67 39N	53 3E	82.8	197.2	1.338	18.55	40.4	SO312	.04000	8.7739	0.8	A
5003	30080.26	61 2N	46 53E	76.7	193.6	1.690	-7.70	46.6	SO312	.04000	9.4590	1.0	F
5004	30085.66	61 2N	46 53E	76.7	193.4	1.690	-7.35	46.6	SO312	.04000	9.4920	1.0	A
5005	30143.46	57 7N	45 9E	75.7	192.0	1.826	-2.45	50.2	SO312	.04000	9.6158	0.4	A
5006	30191.06	53 31N	43 41E	75.1	191.0	2.181	-2.80	53.4	SO312	.04000	9.6654	0.4	F
5007	30197.06	53 14N	44 3E	76.1	190.9	2.037	10.50	53.7	SO312	.04000	9.6571	0.8	V
9001	29932.86	70 52N	53 46E	82.3	200.2	0.995	-18.20	37.2	SO409	.07180	8.7896	0.8	F
9002	29938.66	70 53N	53 46E	82.2	199.8	0.995	-18.20	37.2	SO409	.07180	8.8309	1.0	A
9003	29973.06	68 8N	53 48E	84.3	197.8	1.338	22.40	40.0	SO409	.07180	8.7071	0.6	V
9004	29976.06	68 8N	53 50E	85.6	197.7	1.135	23.10	40.0	SO409	.07180	8.4843	0.6	A
9005	30150.26	56 21N	44 1E	80.7	191.8	1.690	-22.05	50.7	SO409	.07180	8.9712	1.8	F
9006	30156.06	56 21N	44 0E	80.5	191.7	1.690	-21.70	50.7	SO409	.07180	9.0372	1.8	A
9007	30166.06	55 41N	43 38E	81.5	191.5	1.826	-23.80	51.3	SO409	.07180	8.9217	0.6	A
9008	30171.06	54 57N	43 21E	81.8	191.4	1.826	-24.50	52.0	SO409	.07180	8.8391	2.4	F
9009	30176.86	54 57N	43 20E	81.5	191.3	1.826	-24.15	52.0	SO409	.07180	8.9134	2.6	A
9010	30204.06	52 60N	43 26E	75.1	190.8	2.181	-3.50	53.8	SO409	.07180	9.6644	0.6	A
9011	30222.26	51 30N	43 30E	77.0	190.5	2.181	13.30	55.3	SO409	.07180	9.5571	0.6	V
9012	30225.06	51 30N	43 30E	78.0	190.4	2.181	13.65	55.3	SO409	.07180	9.3013	0.8	A
9013	30269.86	48 11N	41 18E	77.9	189.8	2.181	-18.20	57.8	SO409	.07180	9.3013	0.8	F
9014	30275.26	48 12N	41 18E	77.6	189.7	2.390	-17.85	57.8	SO409	.07180	9.3673	1.0	A
9015	30282.26	47 44N	41 9E	77.6	189.6	2.390	-17.85	58.2	SO409	.07180	9.3673	0.4	A
9016	30289.66	46 52N	40 23E	86.1	189.6	2.037	-31.50	58.7	SO409	.05390	8.3935	0.8	F
9017	30292.86	46 52N	40 23E	84.8	189.5	2.037	-31.15	58.7	SO409	.05390	8.6576	0.6	V
9018	30303.66	45 55N	40 7E	86.1	189.4	2.037	-31.50	59.5	SO409	.05390	8.3935	0.8	F
9019	30306.66	45 55N	40 7E	84.8	189.3	2.037	-31.15	59.5	SO409	.05390	8.6576	2.2	V
9020	30312.66	45 29N	40 7E	82.6	189.3	2.037	-28.35	59.9	SO409	.05390	8.8867	0.4	V
9021	30315.66	45 30N	40 7E	83.3	189.2	2.390	-28.35	59.9	SO409	.05390	8.7401	0.6	A
9022	30333.26	43 40N	41 27E	84.9	189.1	2.530	26.95	62.0	SO409	.05390	8.5998	0.6	F
9023	30336.26	43 40N	41 27E	84.2	189.0	2.530	27.30	62.0	SO409	.05390	8.7484	0.6	V
9024	30343.66	43 0N	40 59E	80.7	188.9	2.530	19.25	62.4	SO409	.05390	9.0290	0.6	F
9025	30346.46	43 0N	40 59E	80.0	188.9	2.530	19.60	62.4	SO409	.05390	9.2023	0.6	V
9026	30477.86	33 57N	36 53E	95.4	187.9	2.181	-39.90	67.6	SO409	.03070	7.5517	1.0	F
9027	30481.26	33 57N	36 53E	94.0	187.8	2.390	-39.90	67.6	SO409	.03070	7.8075	1.0	V
9028	30485.86	33 39N	36 45E	95.9	187.8	2.181	-40.95	67.8	SO409	.03070	7.6342	1.0	V
9029	30489.26	33 39N	36 46E	96.3	187.8	2.390	-40.60	67.8	SO409	.03070	7.5682	1.0	A
9030	30948.06	1 44N	31 45E	86.2	186.5	3.587	-9.80	63.8	SO409	.05390	8.4512	0.8	V
9031	30951.26	1 44N	31 45E	87.3	186.5	3.587	-9.10	63.8	SO409	.05390	8.2449	0.8	A
9032	30964.86	0 36N	31 23E	87.6	186.5	3.587	-15.75	62.8	SO409	.05390	8.3192	1.0	V
9033	30968.06	0 36N	31 23E	88.7	186.5	3.587	-15.40	62.8	SO409	.05390	8.1211	1.0	A
9034	31344.66	25 50S	28 19E	131.4	187.2	2.181	33.95	40.8	SO409	.04070	5.4637	0.6	F
9035	31349.46	25 50S	28 19E	130.9	187.2	2.181	34.30	40.8	SO409	.05390	5.5132	0.6	V
9036	31358.46	26 22S	27 26E	111.0	187.3	2.738	16.10	40.0	SO409	.05390	6.4953	0.6	V
9037	31362.66	26 22S	27 27E	113.1	187.3	2.738	16.80	40.0	SO409	.05390	6.2559	0.6	A
1752 5001	35286.86	67 40N	30 30E	79.6	197.5	1.338	11.55	40.4	SO312	.04000	9.1289	2.0	F
5002	35293.26	67 37N	30 31E	80.0	197.2	1.338	12.95	40.4	SO312	.04000	9.0793	1.6	A
5003	35543.46	50 52N	20 38E	75.0	190.3	2.390	-1.05	55.7	SO312	.04000	9.6984	0.6	A
9001	35075.46	80 38N	58 3E	81.8	224.8	0.438	-0.70	26.7	SO409	.09620	8.8391	0.6	F
9002	35078.46	80 38N	58 0E	80.8	223.9	0.438	-0.70	26.7	SO409	.09620	9.0702	0.4	V
9003	35253.86	69 45N	33 8E	83.4	199.4	1.338	18.55	38.4	SO409	.07180	8.7071	1.2	F
9004	35259.86	69 45N	33 9E	83.5	199.0	1.135	19.25	38.4	SO409	.07180	8.6823	1.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1752 9005	35264.66	69 28N	32 28E	81.1	198.7	1.135	14.35	38.6	SO409	.07180	8.9464	0.8	A
9006	35410.06	59 28N	24 53E	78.7	193.0	1.826	12.95	48.1	SO409	.07180	9.2353	1.4	F
9007	35414.46	59 20N	24 56E	78.7	192.9	1.826	15.40	48.3	SO409	.07180	9.3343	0.4	V
9008	35416.06	59 14N	24 52E	78.7	192.8	1.826	15.40	48.4	SO409	.07180	9.3426	0.4	V
9009	35419.06	59 13N	24 51E	79.6	192.7	1.826	15.40	48.4	SO409	.07180	9.1197	0.4	A
9010	35424.86	58 27N	24 29E	79.6	192.6	2.037	15.40	49.1	SO409	.07180	9.1260	0.8	F
9011	35430.46	58 27N	24 30E	80.0	192.4	1.826	16.45	49.1	SO409	.07180	9.0702	0.8	A
9012	35444.06	57 18N	22 36E	77.8	192.1	1.826	-15.40	49.9	SO409	.07180	9.3013	0.4	F
9013	35449.46	57 19N	22 37E	77.6	192.0	1.826	-14.70	49.9	SO409	.07180	9.3673	0.6	A
9014	35462.06	55 55N	23 24E	80.6	191.7	2.037	18.20	51.4	SO409	.07180	9.0290	0.6	F
9015	35467.86	55 55N	23 25E	81.0	191.6	1.826	19.25	51.4	SO409	.07180	8.9629	0.6	A
9016	35477.86	55 1N	21 37E	77.9	191.4	2.037	-16.45	52.0	SO409	.07180	9.3013	0.6	F
9017	35482.86	54 42N	21 9E	81.6	191.3	1.826	-24.15	52.2	SO409	.07180	8.8639	0.6	F
9018	35485.66	54 42N	21 9E	80.4	191.3	1.826	-23.80	52.2	SO409	.07180	9.1197	0.6	V
9019	35487.06	54 36N	21 7E	80.4	191.2	1.826	-23.80	52.3	SO409	.07180	9.1197	0.4	V
9020	35490.46	54 34N	21 12E	80.0	191.2	2.037	-21.70	52.3	SO409	.07180	9.0867	0.6	A
9021	35499.26	53 41N	21 42E	74.3	191.0	2.181	-0.35	53.3	SO409	.07180	9.8873	0.6	V
9022	35502.06	53 40N	21 42E	75.2	191.0	2.181	0.00	53.3	SO409	.07180	9.6562	0.6	A
9023	35509.66	53 2N	20 57E	75.9	190.8	2.181	-14.00	53.7	SO409	.07180	9.6727	0.6	V
9024	35515.46	52 26N	20 57E	75.5	190.7	2.181	-8.40	54.3	SO409	.07180	9.5984	0.6	F
9025	35518.26	52 25N	20 57E	74.6	190.7	2.181	-8.05	54.3	SO409	.07180	9.8460	0.4	V
9026	35520.46	52 16N	20 53E	74.6	190.7	2.181	-8.05	54.4	SO409	.07180	9.8543	0.4	V
9027	35523.06	52 17N	20 52E	75.5	190.6	2.181	-8.40	54.4	SO409	.07180	9.6232	0.4	A
9028	35524.46	52 11N	20 50E	75.5	190.6	2.181	-8.40	54.5	SO409	.07180	9.6232	0.8	A
9029	35530.86	51 37N	20 7E	79.1	190.5	2.037	-22.40	54.9	SO409	.07180	9.2848	0.8	V
9030	35533.86	51 37N	20 7E	79.8	190.4	2.037	-22.05	54.9	SO409	.07180	9.1115	0.8	A
9031	35549.66	50 7N	19 53E	77.1	190.2	2.181	-15.75	56.2	SO409	.07180	9.3921	0.4	F
9032	35552.26	50 8N	19 53E	76.0	190.2	2.181	-15.40	56.2	SO409	.07180	9.6644	1.2	V
9033	35555.66	50 5N	19 52E	76.8	190.1	2.390	-15.40	56.2	SO409	.07180	9.4664	0.4	A
9034	35565.46	49 5N	18 55E	86.2	190.0	1.826	-31.50	56.9	SO409	.05390	8.3770	0.6	F
9035	35568.46	49 5N	18 55E	85.0	189.9	2.037	-31.50	56.9	SO409	.05390	8.8328	0.6	V
9036	35574.86	48 35N	19 22E	76.0	189.8	2.390	-16.10	57.5	SO409	.07180	9.6727	0.6	V
9037	35577.66	48 35N	19 22E	76.7	189.8	2.390	-15.75	57.5	SO409	.07180	9.4746	0.6	A
9038	35584.46	47 46N	18 45E	82.0	189.7	2.181	-26.25	58.1	SO409	.05390	8.8144	0.4	F
9039	35587.46	47 46N	18 44E	81.1	189.7	2.181	-26.25	58.1	SO409	.07180	9.0455	0.4	V
9040	35592.46	47 14N	18 25E	85.2	189.6	2.037	-30.45	58.4	SO409	.05390	8.4843	0.6	F
9041	35595.46	47 14N	18 25E	83.9	189.6	2.037	-30.10	58.4	SO409	.05390	8.7484	0.6	V
9042	35603.86	46 36N	18 51E	75.2	189.5	2.390	-13.30	59.2	SO409	.07180	9.7635	0.6	V
9043	35612.26	46 5N	18 8E	83.2	189.4	2.181	-29.40	59.4	SO409	.05390	8.8144	0.6	V
9044	35615.46	46 4N	18 7E	84.0	189.3	2.390	-29.40	59.4	SO409	.05390	8.6658	0.4	A
9045	35632.86	44 34N	18 42E	73.8	189.1	2.530	0.35	60.9	SO409	.07180	9.9615	0.4	V
9046	35635.66	44 34N	18 42E	74.7	189.1	2.530	0.70	60.9	SO409	.07180	9.7222	0.4	A
9047	35640.86	43 51N	18 23E	74.5	189.1	2.530	-3.85	61.5	SO409	.07180	9.7470	0.6	F
9048	35646.26	43 51N	18 22E	74.5	189.0	2.738	-3.50	61.5	SO409	.07180	9.7470	0.6	A
9049	35658.86	43 5N	17 26E	81.8	188.9	2.530	-26.25	61.8	SO409	.07180	8.9052	0.8	A
1753 9001	40865.06	49 43N	1 52W	74.0	190.1	2.390	-1.40	56.7	SO409	.07180	9.9285	0.6	V
9002	40867.86	49 43N	1 53W	74.9	190.0	2.390	-1.05	56.7	SO409	.07180	9.6974	0.6	A
9003	41491.86	6 21N	10 49W	93.9	186.6	3.092	23.10	67.7	SO409	.05390	7.7250	1.0	F
9004	41498.66	6 21N	10 48W	95.3	186.6	2.881	24.50	67.7	SO409	.05390	7.5269	1.0	A
1754 9001	46335.66	38 42N	27 13W	74.8	188.3	2.881	-3.85	65.3	SO409	.07180	9.6474	1.4	A
9002	46977.06	5 54S	35 9W	96.1	186.6	3.092	18.55	58.3	SO409	.05390	7.3701	0.8	F
9003	46984.26	5 54S	35 9W	99.2	186.6	2.881	19.60	58.3	SO409	.05390	7.2050	0.6	A
1755 5001	52937.66	49 57S	68 56W	135.1	190.1	2.390	-23.10	17.0	SO312	.02210	5.2330	1.4	F
5002	53004.86	53 57S	68 30W	132.4	191.2	1.826	8.75	13.7	SO312	.04000	5.3073	1.0	A
9001	52519.86	21 60S	60 36W	103.2	187.0	3.232	3.15	43.9	SO409	.05390	6.9492	0.6	F
9002	52523.66	22 0S	60 36W	102.3	187.0	3.232	3.50	43.9	SO409	.05390	7.0647	1.0	V
9003	52531.26	22 18S	60 1W	114.6	187.1	2.530	22.75	43.9	SO409	.05390	6.1899	1.6	A
9004	52662.26	31 34S	63 32W	117.2	187.6	3.092	-22.40	34.6	SO409	.05390	6.0744	0.6	F
9005	52666.66	31 51S	63 44W	120.0	187.7	3.092	-25.55	34.3	SO409	.05390	5.9258	0.6	F
9006	52672.06	31 36S	63 45W	121.1	187.7	3.232	-26.25	34.5	SO409	.05390	5.8763	1.0	A
9007	52677.46	32 34S	63 56W	121.2	187.7	3.232	-26.25	33.6	SO409	.05390	5.8598	0.6	F
9008	52685.86	33 13S	63 12W	111.8	187.8	3.092	-4.55	33.3	SO409	.05390	6.3715	0.8	F
9009	52691.86	33 39S	62 59W	112.9	187.8	2.881	3.50	33.0	SO409	.05390	6.3220	0.6	F
9010	52697.46	33 26S	63 18W	112.7	187.8	3.092	-5.25	33.1	SO409	.05390	6.2890	0.6	A
9011	52700.86	33 39S	63 25W	113.1	187.9	3.092	-7.00	32.9	SO409	.05390	6.2642	0.6	A
9012	52842.66	43 11S	65 18W	122.0	189.0	2.530	4.55	24.0	SO409	.07180	5.7690	1.4	A
9013	52878.86	45 45S	67 28W	129.9	189.4	2.738	-23.10	21.1	SO409	.07180	5.5049	1.2	V
9014	52899.46	47 40S	68 54W	131.0	189.6	2.037	16.45	19.9	SO409	.07180	5.4141	1.6	F
9015	52962.46	51 38S	69 11W	130.7	190.5	2.380	-17.50	15.5	SO409	.07180	5.4059	0.6	F
9016	52966.46	51 34S	69 18W	131.9	190.5	2.390	-18.90	15.5	SO409	.07180	5.4059	1.4	V
9017	52972.06	51 37S	69 13W	132.8	190.6	2.390	-17.15	15.5	SO409	.07180	5.2986	0.6	A
9018	52978.26	52 42S	69 19W	130.5	190.7	2.181	-12.60	14.6	SO409	.07180	5.4059	1.0	F
9019	52988.26	52 50S	68 25W	129.7	190.9	2.037	3.50	14.7	SO409	.07180	5.4059	1.4	A
9020	52993.46	53 46S	69 7W	129.0	191.0	2.037	-2.80	13.7	SO409	.07180	5.4719	1.0	F
9021	52998.86	53 51S	68 48W	128.5	191.1	2.037	3.15	13.7	SO409	.07180	5.5462	1.0	V
1756 5001	57203.86	20 44N	75 32W	80.1	187.0	3.232	-16.10	72.1	SO312	.03080	9.0298	0.8	F
5002	57208.86	20 48N	75 39W	81.7	187.0	3.232	-19.60	72.0	SO312	.04000	8.8895	0.8	A
5003	57385.86	8 26N	78 7W	90.6	186.6	3.232	-28.00	67.8	SO312	.03080	8.0558	0.6	V
5004	57389.26	8 26N	78 8W	91.8	186.6	3.439	-28.00	67.8	SO312	.02210	7.8990	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1756 5005	57466.86	2 59N	78 11W	87.6	186.5	3.439	7.00	65.0	SO312	.03080	8.2209	0.4	A
5006	57492.86	0 60N	78 38W	86.4	186.5	3.439	2.10	63.5	SO312	.04000	8.4438	0.4	V
5007	57538.65	2 16S	78 6W	115.6	186.5	2.181	37.80	61.8	SO312	.02210	6.3142	0.8	V
5008	57552.46	2 54S	78 59W	92.9	186.5	3.092	15.05	60.7	SO312	.01660	7.7257	0.6	A
5009	57586.66	5 10S	80 4W	91.7	186.5	3.587	-10.85	58.4	SO312	.03080	7.8495	1.4	A
9001	57215.06	20 8N	75 30W	77.9	186.9	3.232	-9.45	72.2	SO409	.05390	9.4086	0.6	V
9002	57218.06	20 7N	75 31W	78.9	186.9	3.439	-9.45	72.3	SO409	.05390	9.1858	0.6	A
9003	57501.46	0 28S	79 19W	90.2	186.5	3.587	-20.65	62.7	SO409	.05390	8.0881	0.8	V
9004	57578.46	4 49S	80 16W	93.7	186.5	3.587	-21.00	58.5	SO409	.05390	7.7745	1.4	V
9005	57627.26	8 2S	79 6W	120.6	186.6	2.037	37.10	56.9	SO409	.03070	5.8928	1.4	A
1757 5001	62270.85	37 5N	93 52W	74.7	188.2	2.881	-2.80	66.3	SO312	.02210	9.7149	0.6	F
5002	62276.25	37 5N	93 52W	74.9	188.1	2.881	-1.75	66.4	SO312	.02210	9.6984	0.6	A
9001	62270.65	37 5N	93 52W	74.8	188.2	2.881	-2.80	66.3	SO409	.05390	9.7140	0.8	F
9002	62276.05	37 5N	93 52W	74.8	188.1	2.881	-1.75	66.4	SO409	.05390	9.6974	0.6	A
9003	62490.45	22 15N	97 52W	89.2	187.0	2.881	-32.90	71.6	SO409	.05390	8.2119	0.6	V
9004	62493.65	22 15N	97 51W	89.8	187.0	3.092	-32.55	71.7	SO409	.05390	8.1046	0.6	A
9005	62538.25	18 57N	98 25W	87.8	186.9	3.092	-31.50	71.6	SO409	.05390	8.3522	0.6	V
9006	62541.45	18 57N	98 25W	88.6	186.9	3.092	-31.15	71.6	SO409	.05390	8.2037	0.6	A
1758 5001	67628.45	33 29N	117 33W	83.9	187.8	2.738	-28.70	68.1	SO312	.02210	8.6089	0.4	F
5002	67631.45	33 29N	117 33W	82.8	187.8	2.738	-28.35	68.1	SO312	.02210	8.8647	0.4	V
5003	67634.45	33 29N	117 33W	83.6	187.8	2.738	-28.00	68.1	SO312	.02210	8.7079	0.4	A
9001	67628.45	33 28N	117 33W	84.0	187.8	2.738	-28.70	68.1	SO409	.04070	8.6081	0.4	F
9002	67631.45	33 28N	117 33W	82.8	187.8	2.738	-28.35	68.1	SO409	.04070	8.8639	0.4	V
9003	67634.45	33 28N	117 33W	83.6	187.8	2.738	-28.00	68.1	SO409	.04070	8.7071	0.4	A
1762 5001	2091.25	58 59N	163 46E	80.8	192.8	1.826	18.20	48.4	SO312	.04000	9.0050	0.4	F
5002	2094.05	58 59N	163 47E	80.1	192.7	1.826	18.55	48.4	SO312	.05370	9.1784	0.4	V
5003	2097.45	58 34N	163 35E	81.1	192.6	1.826	18.90	48.8	SO312	.04000	8.9720	0.4	F
5004	2100.25	58 34N	163 34E	80.2	192.6	1.826	18.90	48.8	SO312	.05370	9.1701	0.4	V
5005	2111.25	57 58N	162 2E	75.4	192.3	1.826	-9.45	49.2	SO312	.03080	9.7397	0.6	V
5006	2114.05	57 58N	162 2E	76.3	192.2	1.826	-9.10	49.2	SO312	.03080	9.5498	0.6	A
5007	2119.25	57 16N	161 32E	77.0	192.1	1.826	-14.00	49.8	SO312	.03080	9.4095	0.6	F
5008	2124.65	57 16N	161 32E	76.9	192.0	1.826	-13.30	49.8	SO312	.03080	9.4755	0.6	A
5009	2128.25	56 51N	161 16E	76.7	191.9	1.826	-15.75	50.2	SO312	.03080	9.5828	0.6	V
5010	2131.05	56 51N	161 16E	77.5	191.9	1.826	-15.40	50.2	SO312	.03080	9.3930	0.6	A
5011	2136.05	56 20N	160 51E	76.5	191.8	1.826	-20.30	50.6	SO312	.03080	9.3600	0.6	V
5012	2139.05	56 20N	160 52E	79.2	191.7	1.826	-19.60	50.6	SO312	.03080	9.1949	0.4	A
5013	2178.05	53 17N	159 47E	77.9	190.9	1.826	-17.50	53.3	SO312	.04000	9.2857	0.4	F
5014	2181.05	53 16N	159 45E	77.1	190.9	2.037	-17.85	53.3	SO312	.04000	9.5333	0.4	V
5015	2183.65	53 17N	159 46E	77.9	190.8	2.037	-17.50	53.3	SO312	.04000	9.3600	0.6	A
9001	2119.05	57 16N	161 32E	77.1	192.1	1.826	-14.00	49.8	SO409	.05390	9.4086	0.6	F
9002	2124.65	57 16N	161 32E	76.8	192.0	1.826	-13.30	49.8	SO409	.05390	9.4746	0.6	A
9003	2178.25	53 16N	159 46E	77.9	190.9	1.826	-17.50	53.3	SO409	.07180	9.2848	0.4	F
9004	2181.05	53 15N	159 45E	77.1	190.9	2.037	-17.85	53.3	SO409	.07180	9.5324	0.4	V
1763 5001	7553.65	48 51N	135 60E	79.4	189.9	2.181	-22.05	57.1	SO312	.03080	9.1123	0.4	F
5002	7559.45	48 29N	135 22E	88.7	189.9	1.826	-34.30	57.2	SO312	.02210	8.1384	0.6	F
5003	7562.65	48 29N	135 22E	87.4	189.8	1.826	-33.95	57.2	SO312	.02210	8.3860	0.4	V
5004	7566.25	48 2N	135 6E	91.3	189.8	1.826	-36.75	57.5	SO312	.02210	7.8990	0.8	F
5005	7569.45	48 2N	135 7E	89.9	189.7	1.826	-36.40	57.6	SO312	.02210	8.1466	0.8	V
5006	7573.25	47 59N	135 8E	90.0	189.7	2.037	-35.70	57.6	SO312	.02210	8.1054	0.6	A
5007	7610.25	44 47N	136 27E	86.0	189.2	2.390	27.30	60.9	SO312	.02210	8.4850	0.4	F
5008	7613.25	44 47N	136 27E	85.3	189.2	2.390	27.65	60.9	SO312	.02210	8.6171	0.4	V
5009	7618.45	44 29N	135 56E	77.9	189.1	2.530	16.45	61.0	SO312	.02210	9.4425	0.4	V
5010	7621.45	44 28N	135 56E	79.1	189.1	2.530	16.80	61.0	SO312	.02210	9.1866	0.4	A
5011	7633.05	43 32N	135 9E	73.8	189.0	2.738	0.00	61.6	SO312	.03080	9.9625	0.4	V
5012	7635.85	43 32N	135 9E	74.7	189.0	2.738	0.70	61.6	SO312	.03080	9.7314	0.4	A
5013	7751.05	35 20N	133 57E	87.3	188.0	2.530	29.40	67.9	SO312	.02210	8.4355	0.6	V
5014	7754.25	35 21N	133 57E	88.8	188.0	2.530	29.75	67.9	SO312	.02210	8.1714	0.6	A
9001	7527.05	50 37N	137 6E	75.1	190.3	2.181	-7.35	55.7	SO409	.07180	9.6562	1.4	F
9002	7532.45	50 37N	137 5E	75.0	190.2	2.390	-7.00	55.7	SO409	.07180	9.6892	1.4	A
9003	7538.05	50 15N	136 51E	75.4	190.2	2.390	-10.15	56.0	SO409	.07180	9.6397	0.4	A
9004	7630.45	43 32N	135 9E	74.6	189.0	2.738	-0.35	61.6	SO409	.07180	9.7387	0.4	F
9005	7633.05	43 32N	135 9E	73.8	189.0	2.738	0.00	61.6	SO409	.07180	9.9615	0.4	V
1764 5001	12524.05	71 40N	128 55E	78.0	201.1	1.135	3.50	36.3	SO312	.05370	9.4012	0.6	V
5002	12527.05	71 40N	128 55E	79.0	200.9	1.135	3.85	36.3	SO312	.05370	9.1949	0.6	A
5003	12536.45	70 47N	126 58E	79.0	200.2	0.995	-8.05	37.1	SO312	.04000	9.1701	0.4	F
5004	12539.25	70 47N	126 58E	78.0	200.0	0.995	-7.70	37.1	SO312	.04000	9.4012	0.4	V
5005	12811.85	52 22N	116 51E	83.5	190.7	2.037	25.55	54.4	SO312	.03080	8.7987	1.0	V
5006	12815.25	52 21N	116 51E	84.9	190.7	1.826	26.25	54.5	SO312	.02210	8.5593	0.6	A
5007	12830.05	50 56N	116 18E	84.1	190.4	2.181	25.20	55.7	SO312	.03080	8.6749	0.4	F
5008	12832.85	50 57N	116 18E	83.4	190.4	2.181	25.55	55.7	SO312	.03080	8.8235	0.4	V
5009	12836.85	50 26N	116 22E	89.2	190.3	2.181	30.80	56.2	SO312	.02210	8.1962	1.0	F
5010	12841.65	50 33N	116 24E	89.6	190.2	1.826	31.50	56.1	SO312	.03080	8.1054	0.6	A
5011	12843.25	50 26N	116 22E	89.6	190.2	1.826	31.50	56.2	SO312	.03080	8.1054	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1764 5012	12875.45	48 7N	114 42E	75.1	189.8	2.390	9.45	58.0	S0312	.04000	9.7974	0.6	V
5013	13008.45	38 52N	111 43E	73.8	188.4	2.881	-3.15	65.0	S0312	.03080	9.8304	0.4	F
5014	13011.05	38 53N	111 43E	73.1	188.4	2.881	-2.80	65.0	S0312	.03080	10.0616	0.4	V
5015	13019.25	38 10N	111 11E	76.1	188.3	2.738	-16.10	65.3	S0312	.03080	9.5168	0.4	F
5016	13022.05	38 10N	111 11E	75.2	188.3	2.738	-15.75	65.4	S0312	.03080	9.7727	0.4	V
5017	13184.85	26 38N	109 46E	87.0	187.3	2.881	25.55	72.2	S0312	.03080	8.3860	0.4	F
5018	13186.05	26 33N	109 45E	87.1	187.3	2.881	25.55	72.2	S0312	.03080	8.3860	0.4	F
5019	13191.25	26 37N	109 46E	87.8	187.3	2.738	26.25	72.2	S0312	.02210	8.2374	0.4	A
5020	13204.85	25 28N	109 28E	85.3	187.2	2.738	24.15	72.5	S0312	.03080	8.6006	1.0	V
5021	13208.05	25 28N	109 28E	86.7	187.2	2.738	24.50	72.5	S0312	.03080	8.3365	0.8	A
5022	13214.45	24 36N	109 19E	88.6	187.2	2.881	24.15	72.7	S0312	.03080	8.4190	0.6	F
5023	13225.65	23 58N	108 5E	79.7	187.1	3.232	-18.20	71.8	S0312	.03080	9.0793	0.4	F
5024	13235.05	23 41N	108 11E	78.1	187.1	3.439	-11.55	72.0	S0312	.03080	9.3022	0.4	A
5025	13241.05	22 52N	108 16E	77.3	187.1	3.232	-2.45	72.3	S0312	.03080	9.3847	0.4	F
5026	13249.05	22 42N	108 12E	77.6	187.1	3.439	-3.15	72.3	S0312	.03080	9.3517	0.4	A
5027	13262.05	21 54N	107 23E	85.8	187.0	3.232	-28.35	71.8	S0312	.03080	8.4933	0.4	A
5028	13272.25	20 60N	107 7E	88.3	187.0	3.092	-31.85	71.7	S0312	.03080	8.2952	0.8	V
5029	13331.05	16 35N	107 40E	86.8	186.8	3.092	20.30	72.4	S0312	.03080	8.3777	0.4	F
5030	13334.25	16 34N	107 40E	86.3	186.8	2.881	21.00	72.4	S0312	.03080	8.5016	0.4	V
5031	13339.45	16 26N	107 42E	89.3	186.8	2.881	23.80	72.5	S0312	.02210	8.0889	0.6	A
5032	13408.25	11 21N	106 5E	81.7	186.7	3.439	-4.90	69.9	S0312	.02210	8.8730	0.6	F
5033	13411.05	11 21N	106 5E	80.9	186.6	3.439	-4.55	69.9	S0312	.02210	9.0463	0.6	V
5034	13414.65	11 18N	106 7E	82.0	186.6	3.439	-2.10	70.0	S0312	.03080	8.8235	0.6	A
5035	13421.45	10 23N	106 22E	85.8	186.6	3.232	13.65	69.9	S0312	.03080	8.4685	0.6	F
5036	13424.45	10 23N	106 22E	85.3	186.6	3.232	14.35	69.9	S0312	.03080	8.5758	0.6	V
5037	13432.25	10 7N	105 43E	83.0	186.6	3.587	-9.80	69.2	S0312	.03080	8.7244	0.8	A
9001	12980.65	40 48N	112 1E	74.6	188.6	2.738	-10.15	63.6	S0409	.07180	9.7222	1.2	F
9002	12986.05	40 48N	112 0E	74.5	188.6	2.738	-9.45	63.6	S0409	.07180	9.7470	1.0	A
9003	13008.25	38 53N	111 44E	73.9	188.4	2.881	-3.15	65.0	S0409	.07180	9.8295	0.4	F
9004	13013.65	38 53N	111 43E	73.9	188.3	2.881	-2.45	65.0	S0409	.07180	9.8212	0.4	A
9005	13019.25	38 10N	111 11E	76.1	188.3	2.738	-16.10	65.3	S0409	.07180	9.5159	0.4	F
9006	13024.65	38 10N	111 11E	76.0	188.3	2.738	-15.40	65.4	S0409	.07180	9.5737	0.4	A
9007	13065.25	35 2N	109 59E	85.4	188.0	2.530	-31.15	67.1	S0409	.05390	8.4512	0.4	F
9008	13070.85	34 38N	110 7E	80.6	187.9	2.738	-24.15	67.5	S0409	.04070	8.9794	0.8	F
9009	13076.85	34 37N	110 7E	80.2	187.9	2.881	-23.45	67.5	S0409	.04070	9.0702	0.4	A
9010	13087.05	33 39N	110 29E	73.9	187.8	2.881	-3.15	68.4	S0409	.07180	9.9368	0.6	V
9011	13244.45	22 38N	108 11E	77.5	187.1	3.439	-4.55	72.3	S0409	.05390	9.3591	0.4	F
9012	13250.05	22 38N	108 11E	77.7	187.1	3.439	-3.15	72.3	S0409	.04070	9.3261	0.4	A
9013	13269.45	20 58N	107 8E	88.8	187.0	2.881	-31.15	71.7	S0409	.07180	8.1294	0.4	F
9014	13275.85	20 57N	107 8E	88.3	187.0	3.092	-30.45	71.7	S0409	.07180	8.2284	0.4	A
9015	13438.85	9 37N	105 59E	83.6	186.6	3.439	4.90	69.3	S0409	.05390	8.6246	0.6	A
9016	13552.85	1 41N	103 41E	96.0	186.5	3.439	-29.75	63.4	S0409	.05390	7.6012	1.0	V
9017	13562.65	1 10N	104 9E	87.7	186.5	3.587	-9.45	63.5	S0409	.04070	8.2119	0.8	A
1765 5001	17995.25	60 49N	97 28E	76.0	193.5	1.690	-1.40	46.6	S0312	.04000	9.5416	0.6	F
5002	18000.65	60 50N	97 27E	76.1	193.3	1.690	-1.05	46.6	S0312	.04000	9.5581	0.8	A
5003	18065.65	56 8N	94 30E	78.3	191.8	1.826	-17.85	50.8	S0312	.04000	9.2362	0.8	F
5004	18071.25	56 8N	94 31E	78.1	191.6	1.826	-17.15	50.8	S0312	.04000	9.3104	0.8	A
5005	18290.25	40 48N	89 36E	77.7	188.6	2.530	-19.60	63.4	S0312	.02210	9.3104	0.8	F
5006	18295.85	40 48N	89 36E	77.4	188.6	2.738	-18.90	63.4	S0312	.02210	9.4012	0.8	A
5007	18579.05	20 56N	85 10E	84.8	187.0	3.092	-25.90	71.9	S0312	.03080	8.5181	0.8	F
5008	18585.25	20 56N	85 11E	84.4	187.0	3.232	-24.85	71.9	S0312	.03080	8.6089	0.6	A
9001	17945.45	64 9N	99 35E	76.5	195.1	1.484	0.70	43.5	S0409	.07180	9.4829	1.0	F
9002	17951.05	64 8N	99 34E	76.4	194.9	1.484	1.05	43.5	S0409	.07180	9.4994	0.8	A
9003	18065.45	56 9N	94 31E	78.4	191.8	1.826	-17.85	50.7	S0409	.07180	9.2353	1.0	F
9004	18071.05	56 9N	94 31E	78.1	191.6	1.826	-17.15	50.8	S0409	.07180	9.3096	1.0	A
9005	18290.45	40 47N	89 36E	77.8	188.6	2.530	-19.60	63.4	S0409	.05390	9.3096	0.4	F
9006	18295.85	40 48N	89 36E	77.4	188.6	2.738	-18.90	63.4	S0409	.05390	9.4003	0.6	A
9007	18552.65	22 40N	86 21E	78.9	187.1	3.232	7.35	72.6	S0409	.05390	9.2023	0.4	F
9008	18558.25	22 40N	86 22E	79.4	187.1	3.232	8.40	72.6	S0409	.05390	9.1115	0.6	A
1766 9001	23177.45	69 13N	81 29E	77.8	198.7	1.135	-2.10	38.6	S0409	.07180	9.3096	0.4	F
9002	23183.05	69 13N	81 29E	77.7	198.4	1.135	-1.75	38.6	S0409	.07180	9.3343	0.4	A
9003	23382.65	55 26N	73 18E	77.6	191.6	2.037	11.90	51.6	S0409	.07180	9.3673	0.6	F
9004	23385.45	55 26N	73 17E	76.6	191.5	2.037	11.90	51.6	S0409	.07180	9.5902	0.6	V
9005	23392.05	54 57N	73 24E	79.9	191.4	2.037	19.25	52.1	S0409	.07180	9.2023	0.6	V
9006	23395.05	54 57N	73 24E	81.1	191.3	1.826	19.95	52.1	S0409	.07180	8.9464	0.4	A
9007	23572.65	42 23N	69 29E	88.6	188.9	2.390	30.10	62.8	S0409	.04070	8.2284	0.8	F
9008	23575.85	42 23N	69 29E	88.0	188.8	2.390	30.45	62.8	S0409	.04070	8.3522	0.8	V
9009	23580.05	42 19N	69 38E	93.5	188.8	2.181	34.65	63.0	S0409	.05390	7.7415	0.6	A
9010	23585.05	41 28N	69 35E	94.3	188.8	2.181	38.15	63.7	S0409	.04070	7.4361	0.6	F
9011	23590.85	41 20N	69 24E	93.4	188.7	2.181	35.35	63.7	S0409	.04070	7.8818	0.8	V
9012	23594.25	41 20N	69 24E	95.0	188.7	2.181	35.70	63.7	S0409	.04070	7.6177	0.8	A
9013	23602.85	40 20N	68 50E	86.9	188.6	2.530	28.00	64.4	S0409	.05390	8.4017	2.6	F
9014	23621.05	39 42N	66 54E	82.9	188.4	2.738	-28.70	64.1	S0409	.04070	8.7731	0.6	A
9015	23773.45	28 47N	64 54E	77.1	187.4	3.092	-15.05	70.6	S0409	.05390	9.3921	0.4	F
9016	23776.05	28 47N	64 54E	76.2	187.4	3.092	-14.70	70.6	S0409	.05390	9.6314	0.6	V
1767 5001	28546.25	65 14N	57 19E	82.3	195.8	1.484	21.00	42.5	S0312	.04000	8.9308	0.8	V
5002	28549.25	65 15N	57 19E	83.5	195.6	1.484	21.35	42.5	S0312	.04000	8.7079	0.8	A
5003	28564.05	64 25N	55 10E	76.8	195.1	1.484	-5.95	43.2	S0312	.04000	9.4755	0.4	A
5004	28567.65	64 12N	54 51E	77.2	194.9	1.484	-9.10	43.4	S0312	.04000	9.4260	0.4	A
5005	28577.85	63 36N	53 41E	82.4	194.6	1.484	-23.45	43.9	S0312	.04000	8.8400	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1767	5006	28641.25	56 50N	52 15E	75.5	192.7	1.826	-0.35	48.4	SO312	.04000	9.6158	0.6	F
	5007	28646.65	58 50N	52 14E	75.6	192.6	1.826	0.00	48.4	SO312	.04000	9.6241	0.6	A
	5008	28802.25	47 54N	47 53E	74.6	189.8	2.390	-2.80	58.0	SO312	.03080	9.7231	1.0	F
	5009	28807.45	47 55N	47 54E	74.7	189.7	2.390	-2.10	58.0	SO312	.03080	9.7314	1.2	A
	9001	28477.05	69 45N	61 43E	84.4	199.2	1.135	22.75	38.1	SO409	.07180	8.7071	0.4	V
	9002	28480.25	69 44N	61 43E	85.6	199.0	1.135	23.10	38.1	SO409	.07180	8.6843	0.4	A
	9003	28678.65	56 16N	51 17E	75.9	191.8	2.037	5.25	50.8	SO409	.09620	9.5654	0.6	F
	9004	28681.45	56 16N	51 17E	75.1	191.8	2.037	5.60	50.8	SO409	.09620	9.7800	0.4	V
	9005	28688.85	56 2N	50 29E	76.2	191.6	2.037	-11.55	50.9	SO409	.07180	9.5324	0.4	A
	9006	28710.25	54 14N	49 29E	78.6	191.2	1.826	-18.90	52.4	SO409	.07180	9.7270	1.0	F
	9007	28716.05	54 13N	49 29E	78.1	191.1	2.037	-18.20	52.4	SO409	.07180	9.3013	0.8	A
	9008	28726.85	53 1N	49 49E	75.1	190.9	2.181	1.75	53.6	SO409	.07180	9.6727	1.2	F
	9009	28732.25	53 1N	49 49E	75.1	190.8	2.181	2.45	53.6	SO409	.07180	9.6644	1.2	A
	9010	28747.25	51 58N	48 1E	87.0	190.6	1.690	-33.25	54.2	SO409	.05390	8.4265	0.6	V
	9011	28750.45	51 58N	47 60E	88.1	190.5	1.690	-33.25	54.2	SO409	.05390	8.2614	0.6	A
	9012	28782.65	49 27N	48 11E	74.3	190.0	2.181	-8.40	56.6	SO409	.07180	9.8873	0.6	V
	9013	28785.45	49 26N	48 10E	75.1	190.0	2.390	-8.40	56.6	SO409	.07180	9.6727	0.6	A
	9014	28801.85	47 56N	47 54E	74.7	189.8	2.390	-2.80	58.0	SO409	.07180	9.7222	1.4	F
	9015	28807.05	47 56N	47 54E	74.7	189.7	2.390	-2.10	58.0	SO409	.07180	9.7305	1.4	A
	9016	28822.85	46 26N	47 54E	77.0	189.5	2.530	11.55	59.3	SO409	.07180	9.4499	1.0	F
	9017	28828.45	46 26N	47 54E	77.2	189.4	2.390	12.25	59.3	SO409	.07180	9.3921	0.8	A
	9018	28857.85	43 58N	47 38E	84.3	189.1	2.530	24.85	61.5	SO409	.07180	8.6576	0.6	F
	9019	28860.65	43 59N	47 38E	83.6	189.1	2.530	25.20	61.5	SO409	.07180	8.8061	1.0	V
	9020	28864.05	43 58N	47 38E	84.9	189.0	2.181	25.90	61.5	SO409	.07180	8.5338	0.6	A
	9021	28874.45	42 49N	47 24E	86.4	188.9	2.530	27.65	62.4	SO409	.04070	8.4430	0.8	F
	9022	28877.65	42 49N	47 24E	85.8	188.9	2.530	28.00	62.5	SO409	.04070	8.5833	0.6	V
	9023	28893.45	41 44N	45 10E	85.8	188.7	2.181	-31.85	62.5	SO409	.05390	8.4182	0.6	F
	9024	28899.65	41 44N	45 10E	85.3	188.7	2.390	-31.50	62.5	SO409	.05390	8.5338	0.6	A
	9025	28905.05	41 7N	45 22E	78.1	188.6	2.530	-21.70	63.1	SO409	.07180	9.4003	0.4	V
	9026	28908.05	41 6N	45 21E	78.9	188.6	2.738	-21.70	63.1	SO409	.05390	9.2188	0.4	A
	9027	28912.05	40 26N	45 12E	79.2	188.6	2.530	-22.05	63.6	SO409	.05390	9.1280	0.6	F
	9028	28918.85	40 27N	44 39E	89.5	188.5	2.390	-36.40	63.4	SO409	.05390	8.1376	0.6	A
	9029	28923.65	40 7N	44 33E	90.2	188.5	2.390	-36.75	63.6	SO409	.05390	8.0716	0.6	A
	9030	29014.65	33 21N	44 0E	75.5	187.8	3.092	-5.95	68.5	SO409	.05390	9.6067	0.6	F
	9031	29020.05	33 21N	44 0E	75.5	187.8	3.092	-4.90	68.5	SO409	.05390	9.6067	0.6	A
	9032	29273.25	15 47N	39 57E	86.4	186.8	3.232	-26.60	71.1	SO409	.05390	8.4512	0.8	V
	9033	29276.45	15 47N	39 57E	87.3	186.8	3.232	-26.25	71.1	SO409	.05390	8.2944	0.8	A
	9034	29374.05	8 35N	39 16E	83.1	186.6	3.439	-3.85	68.5	SO409	.05390	8.6988	1.0	F
	9035	29380.05	8 35N	39 16E	83.4	186.6	3.439	-2.80	68.6	SO409	.05390	8.6493	1.0	A
	9036	29912.65	27 59S	32 27E	107.4	187.4	3.092	-6.65	38.4	SO409	.05390	6.7016	0.8	V
	9037	29916.65	27 58S	32 27E	109.0	187.4	3.092	-6.30	38.4	SO409	.05390	6.5200	0.8	A
1768	5001	33833.85	66 31N	34 45E	77.0	196.6	1.338	-3.50	41.2	SO312	.05370	9.4095	0.8	F
	5002	33839.25	66 31N	34 46E	77.0	196.4	1.338	-3.15	41.2	SO312	.05370	9.4425	1.0	A
	5003	33846.45	66 0N	34 43E	77.1	196.0	1.484	3.15	41.7	SO312	.04000	9.4260	0.4	A
	5004	33944.05	59 33N	29 56E	77.0	192.8	1.826	-12.60	47.7	SO312	.04000	9.4508	0.4	A
	5005	33955.05	58 47N	29 50E	75.7	192.5	1.826	-5.95	48.4	SO312	.04000	9.6076	0.6	A
	5006	34020.45	53 59N	27 45E	75.1	191.1	2.181	-7.00	52.7	SO312	.04000	9.6489	0.8	F
	5007	34025.65	53 60N	27 45E	75.1	191.0	2.181	-6.30	52.7	SO312	.04000	9.6736	1.0	A
	5008	34089.65	49 20N	27 5E	80.5	190.0	2.181	21.35	57.0	SO312	.03080	9.1454	0.6	V
	5009	34092.65	49 20N	27 5E	81.7	190.0	2.181	21.70	57.0	SO312	.03080	8.8812	0.6	A
	9001	33797.65	69 12N	35 53E	81.9	198.4	0.995	-21.35	38.6	SO409	.07180	8.9547	0.4	V
	9002	33800.65	69 12N	35 53E	82.8	198.3	0.995	-21.35	38.6	SO409	.07180	8.7731	0.4	A
	9003	33806.05	68 51N	35 35E	82.3	198.0	1.135	-21.00	38.9	SO409	.07180	8.8061	0.4	A
	9004	33812.85	68 2N	34 26E	86.3	197.6	0.995	-27.30	39.7	SO409	.07180	8.3770	1.0	F
	9005	33819.05	68 2N	34 26E	85.8	197.3	1.135	-26.95	39.7	SO409	.07180	8.4512	1.0	A
	9006	33856.05	64 57N	34 18E	78.1	195.6	1.484	9.45	42.7	SO409	.05390	9.2931	0.8	F
	9007	33861.65	64 57N	34 18E	78.1	195.4	1.484	9.80	42.7	SO409	.05390	9.2848	0.8	A
	9008	33921.25	60 45N	30 8E	80.6	193.4	1.484	-21.00	46.5	SO409	.07180	8.9712	0.6	F
	9009	33924.25	60 44N	30 8E	79.4	193.3	1.484	-20.65	46.5	SO409	.07180	9.2353	0.6	V
	9010	33932.05	59 58N	30 17E	76.5	193.1	1.690	-9.80	47.3	SO409	.07180	9.4664	1.6	F
	9011	33937.65	59 58N	30 16E	76.4	193.0	1.690	-9.45	47.3	SO409	.07180	9.5076	1.4	A
	9012	33965.65	57 46N	28 24E	84.0	192.3	1.484	-27.30	49.2	SO409	.07180	8.5998	0.6	F
	9013	33968.65	57 46N	28 24E	82.8	192.2	1.690	-27.30	49.2	SO409	.07180	8.8639	0.6	V
	9014	33974.65	57 20N	28 27E	79.7	192.1	1.690	-22.40	49.6	SO409	.07180	9.2105	0.8	V
	9015	33977.65	57 20N	28 26E	80.6	192.0	1.690	-22.40	49.6	SO409	.07180	9.0207	0.8	A
	9016	33990.45	56 2N	28 19E	76.7	191.7	1.826	-13.30	50.8	SO409	.07180	9.4416	0.4	F
	9017	33993.05	56 3N	28 18E	75.9	191.7	2.037	-13.65	50.8	SO409	.07180	9.6809	0.4	V
	9018	33998.45	55 39N	28 27E	74.4	191.6	2.037	-5.95	51.2	SO409	.07180	9.8708	0.4	V
	9019	34001.05	55 39N	28 27E	75.2	191.5	2.037	-5.60	51.2	SO409	.07180	9.6562	1.2	A
	9020	34014.65	54 44N	28 5E	75.1	191.2	2.181	-5.60	52.1	SO409	.07180	9.6727	0.6	A
	9021	34020.25	53 59N	27 45E	75.2	191.1	2.181	-7.00	52.7	SO409	.07180	9.6479	1.0	F
	9022	34025.65	53 59N	27 45E	75.1	191.0	2.181	-6.30	52.7	SO409	.07180	9.6727	1.0	A
	9023	34033.05	53 16N	27 43E	74.0	190.9	2.181	0.00	53.4	SO409	.07180	9.9203	0.6	V
	9024	34043.25	52 13N	28 36E	89.7	190.7	2.181	30.80	54.6	SO409	.05390	8.1459	1.0	F
	9025	34049.65	52 13N	28 37E	90.3	190.6	1.826	31.85	54.6	SO409	.05390	8.0303	1.0	A
	9026	34056.25	51 20N	28 17E	90.1	190.5	2.037	31.50	55.3	SO409	.05390	8.0881	0.8	F
	9027	34061.65	51 12N	28 4E	85.9	190.4	2.037	28.35	55.4	SO409	.05390	8.5585	0.6	V
	9028	34067.65	50 37N	27 40E	83.3	190.3	2.181	23.80	55.9	SO409	.05390	8.7566	0.6	F
	9029	34073.65	50 37N	27 39E	83.6	190.3	2.037	24.50	55.9	SO409	.05390	8.6576	0.6	A
	9030	34080.05	49 47N	27 17E	81.9	190.2	2.390	21.70	56.6	SO409	.07180	8.8969	1.8	F
	9031	34085.85	49 47N	27 17E	82.4	190.1	2.181	22.75	56.6	SO409	.05390	8.7979	1.0	A
	9032	34089.65	49 20N	27 5E	80.5	190.0	2.181	21.35	57.0	SO409	.07180	9.1445	0.6	V
	9033	34092.65	49 20N	27 5E	81.6	190.0	2.181	21.70	57.0	SO409	.07180	8.8804	0.4	A
	9034	34094.45	49 13N	27 2E	81.7	190.0	2.181	21.70	57.1	SO409	.07180	8.8804	1.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1768 9035	34102.65	48 21N	25 59E	74.5	189.8	2.530	-1.05	57.6	S0409	.07180	9.7470	1.4	F
9036	34106.25	48 17N	25 58E	73.6	189.8	2.530	-0.70	57.7	S0409	.07180	9.9780	0.6	V
9037	34109.05	48 17N	25 58E	74.5	189.8	2.530	-0.35	57.7	S0409	.07180	9.7387	0.4	A
9038	34120.85	47 10N	26 46E	88.5	189.6	2.181	31.15	58.9	S0409	.05390	8.3192	0.6	V
9039	34124.05	47 10N	26 46E	89.9	189.6	2.181	31.50	58.9	S0409	.05390	8.0634	0.6	A
9040	34145.05	45 43N	24 23E	79.4	189.3	2.390	-24.50	59.5	S0409	.07180	9.2435	0.6	V
9041	34148.05	45 43N	24 23E	80.1	189.3	2.390	-24.15	59.5	S0409	.05390	9.0785	0.6	A
9042	34160.45	44 27N	24 23E	76.1	189.2	2.530	-14.35	60.7	S0409	.07180	9.5159	0.4	F
9043	34163.05	44 27N	24 23E	75.1	189.1	2.530	-14.00	60.7	S0409	.07180	9.7717	0.4	V
9044	34165.65	44 28N	24 23E	76.1	189.1	2.530	-14.00	60.6	S0409	.07180	9.5489	0.8	A
9045	34176.65	43 46N	23 47E	81.4	189.0	2.530	-25.90	61.0	S0409	.05390	8.9299	0.6	A
9046	34181.45	43 15N	23 32E	82.6	188.9	2.530	-29.40	61.4	S0409	.05390	8.9052	0.6	V
9047	34184.45	43 15N	23 33E	83.1	188.9	2.530	-28.70	61.4	S0409	.05390	8.7484	0.6	A
9048	34189.45	42 42N	23 23E	82.8	188.9	2.530	-29.75	61.8	S0409	.05390	8.8556	0.6	V
9049	34192.45	42 42N	23 23E	83.5	188.8	2.530	-29.40	61.8	S0409	.05390	8.7071	0.6	A
9050	34198.65	42 18N	23 8E	86.9	188.8	2.390	-32.90	62.1	S0409	.05390	8.3770	0.8	A
9051	34203.45	41 44N	23 10E	82.4	188.7	2.390	-28.70	62.6	S0409	.05390	8.9134	0.4	V
9052	34206.45	41 44N	23 10E	83.1	188.7	2.390	-28.35	62.6	S0409	.05390	8.7566	0.4	A
9053	34342.25	32 13N	20 41E	90.8	187.7	2.390	-36.75	68.5	S0409	.05390	8.0799	0.8	V
9054	34345.65	32 13N	20 41E	91.5	187.7	2.390	-36.40	68.5	S0409	.05390	7.9561	0.8	A
9055	34895.45	5 47S	13 29E	113.7	186.6	3.092	-39.90	57.4	S0409	.04070	6.3880	1.2	V
9056	34899.85	5 48S	13 28E	114.8	186.6	3.092	-39.55	57.4	S0409	.04070	6.2807	1.0	A
9057	34940.25	8 53S	13 10E	107.3	186.6	3.232	-33.25	55.0	S0409	.05390	6.7594	0.8	V
9058	34944.25	8 53S	13 10E	108.3	186.6	3.439	-32.90	55.1	S0409	.05390	6.6521	0.8	A
1769 5001	39603.45	35 19N	0 33W	85.0	188.0	2.390	-31.50	66.9	S0312	.03080	8.6336	0.8	V
5002	39606.45	35 20N	0 33W	85.8	188.0	2.738	-31.50	66.9	S0312	.03080	8.4933	1.0	A
9001	39482.65	43 14N	2 59E	80.2	189.0	2.530	18.90	62.0	S0409	.05390	9.0867	0.8	F
9002	39488.25	43 15N	2 59E	80.6	188.9	2.390	19.60	62.0	S0409	.05390	8.9877	1.0	A
9003	39595.25	35 41N	0 35W	89.1	188.0	2.390	-34.65	66.6	S0409	.05390	8.1046	0.6	F
9004	39598.45	35 40N	0 35W	87.7	188.0	2.390	-34.30	66.6	S0409	.05390	8.3605	0.6	V
9005	39612.25	34 42N	0 36W	82.7	187.9	2.530	-29.05	67.3	S0409	.05390	8.8639	0.8	V
9006	39615.25	34 42N	0 37W	83.5	187.9	2.738	-29.05	67.3	S0409	.05390	8.7071	0.8	A
9007	39651.85	31 44N	0 38W	75.5	187.7	3.092	-8.40	69.3	S0409	.05390	9.6067	0.6	F
9008	39657.25	31 44N	0 38W	75.5	187.6	3.092	-7.35	69.3	S0409	.05390	9.6149	0.6	A
1771 5001	51098.84	25 30S	54 36W	111.8	187.2	2.738	17.85	41.1	S0312	.04000	6.4463	0.8	V
5002	51103.64	25 33S	54 28W	116.9	187.2	2.530	22.05	41.2	S0312	.03080	6.0666	1.4	A
9001	51047.04	22 9S	54 55W	103.5	187.0	3.439	-11.20	43.8	S0409	.05390	6.9079	1.4	F
9002	51053.84	22 38S	54 48W	103.0	187.0	3.232	-4.90	43.4	S0409	.05390	6.9492	0.8	F
9003	51062.24	22 45S	54 9W	110.1	187.1	2.738	16.80	43.7	S0409	.05390	6.4375	1.4	A
9004	51077.64	23 49S	56 27W	130.5	187.1	3.092	-40.25	41.6	S0409	.04070	5.5297	1.6	V
9005	51184.44	31 22S	58 3W	135.3	187.6	2.738	-37.45	34.7	S0409	.05390	5.2491	0.8	F
9006	51231.04	34 32S	58 24W	126.8	187.9	2.881	-29.40	31.9	S0409	.05390	5.5875	1.0	F
9007	51238.84	34 49S	57 53W	115.3	187.9	3.092	-16.10	31.9	S0409	.07180	6.2312	0.6	V
9008	51243.24	34 49S	57 53W	116.8	188.0	3.092	-15.75	31.9	S0409	.07180	6.0744	0.6	A
9009	51282.84	37 27S	58 42W	121.2	188.3	3.092	-19.60	29.3	S0409	.05390	5.8433	0.8	A
9010	51297.44	38 27S	58 48W	120.1	188.4	3.092	-16.10	28.5	S0409	.05390	5.8928	1.4	A
1772 5001	55920.24	7 15N	70 45W	94.4	186.6	2.881	24.85	68.4	S0312	.02210	7.6927	1.4	F
5002	55930.64	7 3N	71 26W	84.1	186.6	3.439	1.40	67.8	S0312	.03080	8.5758	0.6	A
5003	55936.44	6 13N	71 28W	84.7	186.6	3.439	4.55	67.3	S0312	.03080	8.5511	0.8	F
5004	55943.64	6 12N	71 56W	85.3	186.6	3.587	-13.30	67.0	S0312	.03080	8.4768	0.6	A
5005	55953.44	5 21N	72 20W	88.7	186.5	3.439	-23.10	66.2	S0312	.03080	8.2292	0.8	V
5006	55965.84	4 36N	71 20W	93.7	186.5	2.881	21.70	66.6	S0312	.02210	7.6679	1.0	A
5007	55989.24	2 50N	72 17W	84.8	186.5	3.439	-3.50	64.9	S0312	.03080	8.6006	0.8	V
5008	55996.04	2 37N	72 37W	88.0	186.5	3.587	-15.05	64.5	S0312	.03080	8.2044	1.4	A
5009	56000.64	2 5N	72 41W	86.9	186.5	3.587	-14.70	64.7	S0312	.03080	8.3860	0.8	V
5010	56033.44	0 23S	73 9W	89.7	186.5	3.587	-16.45	62.3	S0312	.03080	8.0228	0.8	F
9001	55872.64	10 41N	71 36W	92.6	186.6	3.232	-30.80	69.1	S0409	.05390	7.7662	0.6	F
9002	55876.04	10 41N	71 37W	91.4	186.6	3.232	-30.45	69.1	S0409	.05390	7.9891	0.6	V
9003	55879.44	10 41N	71 38W	92.8	186.6	3.439	-30.80	69.1	S0409	.05390	7.8075	0.4	A
9004	55887.24	10 3N	71 5W	82.5	186.6	3.439	-5.60	69.3	S0409	.05390	8.7484	1.4	A
9005	55896.84	9 1N	71 56W	94.2	186.6	3.232	-31.50	68.2	S0409	.05390	7.6342	1.4	F
9006	56010.84	1 7N	72 30W	86.7	186.5	3.439	-0.70	63.7	S0409	.05390	8.3274	1.0	F
9007	56236.44	13 42S	76 12W	113.4	186.7	3.439	-34.30	50.9	S0409	.04070	6.3385	1.0	A
1779 9001	6103.84	46 40N	142 52E	79.7	189.5	2.390	18.20	59.0	S0409	.07180	9.0867	1.4	A
9002	6113.04	45 54N	142 6E	73.8	189.4	2.530	1.40	59.5	S0409	.05390	9.9615	0.4	V
9003	6115.84	45 54N	142 5E	74.7	189.3	2.530	1.75	59.5	S0409	.05390	9.7222	0.4	A
9004	6248.64	36 30N	140 37E	91.9	188.1	2.390	33.60	67.1	S0409	.04070	7.9891	1.0	V
9005	6252.04	36 30N	140 38E	93.7	188.1	2.181	34.30	67.1	S0409	.04070	7.7250	1.0	A
1780 9001	11473.84	42 11N	118 51E	74.2	188.8	2.738	-1.40	62.4	S0409	.05390	9.7800	0.8	F
9002	11479.04	42 11N	118 51E	74.3	188.8	2.738	-0.70	62.4	S0409	.05390	9.7717	1.0	A
9003	11502.24	40 3N	119 28E	93.1	188.6	2.390	33.95	64.5	S0409	.05390	7.8323	0.4	F
9004	11505.64	40 3N	119 28E	92.7	188.5	2.181	34.65	64.5	S0409	.05390	7.9478	0.4	V
9005	11516.44	39 38N	118 12E	74.8	188.4	2.881	0.00	64.3	S0409	.07180	9.7057	0.4	A
9006	11523.04	39 2N	117 38E	75.5	188.4	2.738	-15.05	64.6	S0409	.07180	9.7222	0.4	V
9007	11525.84	39 2N	117 38E	76.3	188.4	2.738	-14.70	64.6	S0409	.07180	9.5241	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SAT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1780 9008	11532.64	38 26N	116 56E	84.9	188.3	2.530	-31.85	64.7	SO409	.04070	8.6576	0.8	V
9009	11535.84	38 25N	116 56E	85.6	188.3	2.530	-31.50	64.7	SO409	.04070	8.5173	0.8	A
9010	11552.64	38 37N	118 29E	91.2	188.2	2.530	31.85	66.9	SO409	.05390	7.9891	0.6	F
9011	11562.84	36 2N	117 38E	76.9	188.1	2.881	10.15	67.0	SO409	.05390	9.4581	1.0	F
9012	11568.24	36 2N	117 38E	77.3	188.0	2.881	11.20	67.0	SO409	.05390	9.3673	1.2	A
9013	11583.64	34 48N	117 12E	75.0	187.9	2.881	5.60	67.7	SO409	.07180	9.7882	0.6	V
9014	11589.24	34 14N	117 8E	76.4	187.9	3.092	7.35	68.1	SO409	.05390	9.5159	0.4	F
9015	11593.84	34 17N	117 17E	78.5	187.9	2.881	13.65	68.1	SO409	.05390	9.2188	0.4	A
9016	11599.04	33 54N	117 29E	83.9	187.8	2.530	23.45	68.5	SO409	.05390	8.5998	0.4	A
9017	11610.04	32 55N	117 22E	84.9	187.8	2.530	25.90	69.2	SO409	.05390	8.6658	0.4	V
9018	11617.84	32 37N	117 1E	80.4	187.7	2.738	17.50	69.2	SO409	.05390	9.0042	0.4	A
9019	11624.44	31 56N	117 10E	86.0	187.7	2.530	26.95	69.7	SO409	.05390	8.5503	0.8	V
9020	11627.64	31 56N	117 10E	87.4	187.7	2.530	27.30	69.8	SO409	.05390	8.2779	0.8	A
9021	11637.84	30 53N	116 22E	76.4	187.6	3.092	6.65	69.9	SO409	.05390	9.5159	1.0	F
9022	11643.44	30 53N	116 21E	76.7	187.6	3.092	7.35	69.9	SO409	.05390	9.4416	0.8	A
9023	11649.24	30 29N	116 15E	76.8	187.5	3.092	6.65	70.1	SO409	.05390	9.4251	0.6	A
9024	11655.44	29 42N	115 59E	76.0	187.5	3.092	1.75	70.4	SO409	.05390	9.5571	0.6	F
9025	11657.44	29 33N	115 57E	75.4	187.5	3.092	1.75	70.4	SO409	.05390	9.6314	0.4	F
9026	11664.64	29 5N	115 38E	76.0	187.5	3.092	-6.65	70.5	SO409	.05390	9.5489	0.4	F
9027	11673.04	28 39N	115 56E	76.8	187.4	3.092	8.75	71.0	SO409	.05390	9.5571	0.6	V
9028	11675.84	28 39N	115 56E	77.9	187.4	3.092	9.10	71.0	SO409	.05390	9.2931	0.6	A
9029	11685.84	27 57N	115 58E	80.5	187.4	2.881	16.10	71.4	SO409	.05390	8.9794	0.6	A
9030	11697.44	26 51N	114 51E	79.6	187.3	3.092	-19.60	71.1	SO409	.05390	9.0950	0.4	F
9031	11724.04	25 15N	114 10E	86.2	187.2	2.881	-31.15	71.2	SO409	.05390	8.4925	0.6	V
9032	11727.24	25 15N	114 10E	87.1	187.2	3.092	-31.15	71.2	SO409	.05390	8.3440	0.6	A
9033	11742.24	24 4N	115 20E	85.0	187.1	2.881	22.05	72.7	SO409	.05390	8.4925	0.4	A
9034	11757.44	23 10N	113 47E	87.4	187.1	3.092	-30.45	71.6	SO409	.05390	8.3192	0.4	A
9035	11758.84	23 5N	113 46E	87.4	187.1	3.092	-30.45	71.6	SO409	.05390	8.3192	1.0	A
9036	11766.24	22 17N	114 10E	77.4	187.0	3.232	-10.85	72.2	SO409	.05390	9.4746	0.4	V
9037	11769.04	22 17N	114 9E	78.3	187.0	3.439	-10.85	72.2	SO409	.05390	9.2600	0.6	A
1781 9001	16578.64	56 12N	101 39E	74.6	191.7	2.037	4.20	50.6	SO409	.07180	9.8377	0.4	V
9002	16581.44	56 12N	101 39E	75.5	191.7	2.037	4.55	50.6	SO409	.07180	9.6067	0.4	A
9003	16846.04	37 49N	95 28E	73.1	188.3	2.881	-7.00	65.5	SO409	.07180	9.9368	0.6	F
9004	16851.44	37 48N	95 28E	73.0	188.2	2.881	-5.95	65.5	SO409	.07180	9.9533	0.6	A
9005	16865.64	36 39N	95 3E	73.4	188.1	2.881	-11.55	66.2	SO409	.07180	10.0028	0.6	V
9006	16868.44	36 39N	95 3E	74.3	188.1	2.881	-11.20	66.2	SO409	.07180	9.7800	0.6	A
1782 5001	21932.64	53 1N	78 39E	77.5	190.9	2.037	15.05	53.5	SO312	.03080	9.4755	0.4	V
5002	21935.44	53 1N	78 39E	78.6	190.8	2.037	15.40	53.5	SO312	.03080	9.2362	0.6	A
5003	21964.04	50 48N	78 31E	89.0	190.3	2.037	31.50	55.6	SO312	.03080	8.2539	1.0	V
5004	21967.44	50 47N	78 32E	90.7	190.3	1.826	32.20	55.6	SO312	.03080	8.0146	1.0	A
5005	22311.04	27 4N	71 49E	85.4	187.3	2.738	24.85	71.9	SO312	.03080	8.5923	0.8	V
5006	22314.04	27 5N	71 49E	86.8	187.3	2.738	25.20	71.9	SO312	.03080	8.3282	1.0	A
9001	21961.24	50 45N	78 32E	90.5	190.4	2.037	31.85	55.6	SO409	.05390	8.0551	0.6	F
9002	21973.24	50 1N	77 51E	82.3	190.2	2.037	22.75	56.2	SO409	.07180	8.8474	0.4	F
9003	21979.24	50 0N	77 50E	82.5	190.1	2.037	23.10	56.2	SO409	.05390	8.7731	0.4	A
9004	22029.04	46 38N	74 32E	91.0	189.5	2.037	-37.80	58.4	SO409	.04070	8.0634	0.6	V
9005	22032.44	46 38N	74 32E	91.7	189.4	2.037	-37.45	58.4	SO409	.04070	7.9396	0.6	A
9006	22084.44	42 48N	73 51E	82.9	188.9	2.390	-30.10	61.5	SO409	.05390	8.8474	0.8	V
9007	22087.44	42 49N	73 51E	83.6	188.8	2.390	-29.75	61.5	SO409	.04070	8.7071	0.8	A
9008	22209.24	34 2N	71 33E	91.3	187.9	2.390	-36.75	67.4	SO409	.04070	7.9065	0.8	F
9009	22212.44	34 2N	71 33E	89.5	187.9	2.390	-36.05	67.4	SO409	.04070	8.1954	0.8	V
9010	22235.84	32 24N	71 27E	83.6	187.7	2.738	-29.40	68.4	SO409	.04070	8.7814	0.4	V
9011	22238.84	32 24N	71 27E	84.3	187.7	2.738	-29.05	68.5	SO409	.04070	8.6328	0.4	A
9012	22271.04	30 1N	70 35E	94.2	187.5	2.390	-39.20	69.3	SO409	.04070	7.7828	0.8	V
9013	22274.44	30 1N	70 36E	94.5	187.5	2.738	-38.85	69.4	SO409	.04070	7.7085	0.8	A
1783 5001	27214.64	54 49N	56 4E	76.4	191.3	2.037	-15.75	51.7	SO312	.04000	9.6076	0.6	V
5002	27217.44	54 49N	56 4E	77.2	191.3	2.037	-15.40	51.7	SO312	.04000	9.4177	0.6	A
5003	27227.64	53 43N	55 59E	75.2	191.1	2.181	-7.35	52.7	SO312	.04000	9.6324	0.8	F
5004	27232.84	53 44N	55 59E	75.2	191.0	2.181	-6.65	52.7	SO312	.04000	9.6654	1.0	A
9001	27016.84	67 59N	64 44E	76.6	197.6	1.338	2.80	39.6	SO409	.07180	9.5819	0.4	V
9002	27021.44	67 30N	64 21E	77.5	197.3	1.338	3.50	40.0	SO409	.07180	9.3508	1.0	F
9003	27027.04	67 30N	64 21E	77.5	197.1	1.338	3.85	40.0	SO409	.07180	9.3673	1.0	A
9004	27154.84	58 52N	57 47E	77.1	192.6	1.690	-16.10	48.0	SO409	.07180	9.5241	0.6	V
9005	27159.64	58 20N	57 50E	76.2	192.5	1.690	-9.45	48.6	SO409	.05390	9.5076	0.4	F
9006	27168.44	58 2N	56 34E	87.3	192.3	1.484	-32.55	48.7	SO409	.07180	8.4182	0.6	V
9007	27171.64	58 2N	56 35E	87.8	192.2	1.690	-32.20	48.7	SO409	.07180	8.2862	0.6	A
9008	27214.64	54 49N	56 4E	76.4	191.3	2.037	-15.75	51.7	SO409	.07180	9.6067	0.4	V
9009	27217.44	54 49N	56 4E	77.2	191.3	2.037	-15.40	51.7	SO409	.07180	9.4168	0.4	A
9010	27227.44	53 44N	55 59E	75.3	191.1	2.181	-7.35	52.7	SO409	.07180	9.6314	0.8	F
9011	27232.84	53 44N	55 59E	75.1	191.0	2.181	-6.65	52.7	SO409	.07180	9.6644	0.8	A
9012	27243.44	52 48N	55 47E	73.9	190.8	2.181	-2.80	53.5	SO409	.07180	9.9368	0.6	V
9013	27246.24	52 48N	55 47E	74.8	190.7	2.181	-2.45	53.6	SO409	.07180	9.7140	0.6	A
9014	27258.84	51 39N	54 36E	80.4	190.5	2.037	-23.45	54.4	SO409	.07180	8.9959	1.2	F
9015	27264.64	51 39N	54 37E	79.9	190.4	2.181	-22.75	54.4	SO409	.07180	9.0950	1.0	A
9016	27810.44	13 59N	45 41E	90.6	186.7	3.092	-32.55	70.5	SO409	.05390	8.0799	0.8	V
9017	27813.84	13 58N	45 41E	91.5	186.7	3.092	-32.20	70.5	SO409	.05390	7.9396	0.8	A
1784 5001	32371.64	64 36N	39 50E	76.6	195.4	1.484	1.05	42.8	SO312	.05370	9.4590	0.6	F
5002	32377.24	64 36N	39 49E	76.6	195.2	1.484	1.40	42.8	SO312	.05370	9.4755	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1784 5003	32580.04	50 37N	32 20E	77.9	190.3	2.181	-18.90	55.3	SO312	.03080	9.2774	0.8	F
5004	32585.64	50 36N	32 20E	77.7	190.2	2.181	-18.70	55.3	SO312	.03080	9.3517	0.8	A
9001	32325.24	67 50N	40 33E	85.8	197.5	0.995	-26.60	39.6	SO409	.07180	8.4265	0.8	F
9002	32328.24	67 51N	40 33E	84.8	197.3	0.995	-26.60	39.6	SO409	.07180	8.6493	0.8	V
9003	32332.64	67 45N	40 32E	84.9	197.1	0.995	-25.55	39.7	SO409	.07180	8.5503	0.4	A
9004	32371.84	64 35N	39 49E	76.7	195.4	1.484	1.05	42.8	SO409	.07180	9.4581	0.8	F
9005	32373.24	64 30N	39 45E	76.6	195.3	1.484	1.05	42.9	SO409	.07180	9.4664	0.4	F
9006	32377.24	64 36N	39 49E	76.6	195.2	1.484	1.40	42.8	SO409	.07180	9.4746	0.8	A
9007	32378.64	64 30N	39 45E	76.6	195.1	1.484	1.40	42.9	SO409	.07180	9.4746	0.4	A
9008	32386.84	63 23N	40 31E	87.9	194.8	1.690	27.65	44.0	SO409	.07180	8.2697	0.6	F
9009	32393.24	63 23N	40 31E	88.3	194.6	1.484	28.35	44.0	SO409	.07180	8.2202	0.6	A
9010	32472.24	57 45N	36 40E	80.3	192.3	2.037	17.85	49.2	SO409	.07180	9.0620	0.8	F
9011	32477.84	57 46N	36 41E	80.7	192.2	1.826	18.90	49.2	SO409	.07180	8.9959	1.0	A
9012	32485.44	56 47N	36 46E	88.4	192.0	1.826	29.40	50.2	SO409	.05390	8.2449	0.4	F
9013	32491.84	56 47N	36 45E	88.5	191.9	1.690	29.75	50.2	SO409	.05390	8.1789	0.4	A
9014	32497.24	56 11N	36 31E	88.2	191.8	1.826	30.45	50.8	SO409	.05390	8.3440	1.0	V
9015	32500.64	56 11N	36 31E	89.6	191.7	1.826	30.80	50.8	SO409	.05390	8.0964	0.8	A
9016	32507.84	55 31N	35 51E	82.4	191.6	2.037	23.45	51.3	SO409	.07180	8.9217	0.6	V
9017	32510.84	55 31N	35 52E	83.7	191.5	1.826	24.15	51.3	SO409	.07180	8.6658	0.6	A
9018	32515.44	54 49N	35 27E	81.7	191.4	2.037	21.00	51.9	SO409	.07180	8.9134	0.4	F
9019	32519.84	54 29N	35 33E	85.4	191.3	2.037	26.25	52.3	SO409	.07180	8.5255	0.4	F
9020	32528.04	54 15N	34 23E	74.1	191.2	2.181	1.05	52.3	SO409	.07180	9.9120	0.6	V
9021	32530.84	54 15N	34 23E	75.0	191.1	2.181	1.40	52.3	SO409	.07180	9.6727	0.6	A
9022	32538.44	53 19N	34 25E	77.0	191.0	2.181	11.20	53.2	SO409	.07180	9.4499	1.4	F
9023	32544.04	53 19N	34 25E	77.2	190.9	2.181	11.90	53.2	SO409	.07180	9.4003	1.4	A
9024	32559.84	51 55N	33 29E	74.8	190.6	2.390	0.00	54.3	SO409	.07180	9.7140	0.8	F
9025	32565.04	51 55N	33 32E	75.0	190.5	2.390	2.45	54.3	SO409	.07180	9.6727	1.0	A
9026	32569.04	51 38N	33 30E	75.2	190.5	2.390	4.20	54.6	SO409	.07180	9.6479	0.6	A
9027	32580.04	50 36N	32 20E	78.0	190.3	2.181	-18.90	55.3	SO409	.07180	9.2765	0.8	F
9028	32585.64	50 36N	32 20E	77.7	190.2	2.181	-18.20	55.3	SO409	.07180	9.3508	0.8	A
9029	32591.84	49 48N	32 8E	77.2	190.1	2.181	-17.15	56.0	SO409	.07180	9.3673	0.8	F
9030	32597.24	49 48N	32 8E	77.0	190.1	2.390	-16.80	56.0	SO409	.07180	9.4416	1.0	A
9031	32608.84	48 33N	32 29E	75.1	189.9	2.530	4.55	57.3	SO409	.07180	9.6809	0.4	F
9032	32614.24	48 33N	32 28E	75.2	189.8	2.390	5.25	57.3	SO409	.07180	9.6479	0.4	A
9033	32621.44	48 9N	31 37E	76.8	189.7	2.390	-16.45	57.4	SO409	.07180	9.4664	1.2	A
9034	32630.44	47 3N	32 12E	76.6	189.6	2.530	10.50	58.6	SO409	.07180	9.4911	0.4	F
9035	32635.84	47 4N	32 12E	76.9	189.5	2.390	11.55	58.6	SO409	.07180	9.4334	0.4	A
9036	32646.84	46 29N	30 38E	84.0	189.4	2.390	-29.75	58.6	SO409	.05390	8.6823	0.6	A
1785 5001	37823.44	54 38N	13 18E	82.2	191.4	2.181	21.70	52.1	SO312	.04000	8.8647	0.4	F
5002	37826.24	54 39N	13 18E	81.3	191.3	2.181	21.70	52.1	SO312	.04000	9.0546	0.6	V
9001	37830.24	54 23N	13 6E	80.2	191.2	2.181	19.95	52.3	SO409	.09620	9.1775	0.4	V
9002	37833.24	54 23N	13 6E	81.3	191.2	2.181	20.30	52.3	SO409	.07180	8.9217	0.4	A
9003	37845.43	53 27N	11 51E	74.0	191.0	2.181	-2.45	53.0	SO409	.07180	9.9285	0.6	V
9004	37848.43	53 26N	11 51E	74.8	190.9	2.181	-1.75	53.0	SO409	.07180	9.6974	0.4	A
9005	37855.04	52 45N	12 1E	75.5	190.8	2.181	9.45	53.7	SO409	.07180	9.7305	0.6	V
9006	37864.24	51 52N	12 13E	82.7	190.6	2.181	22.75	54.5	SO409	.07180	8.8226	0.8	F
9007	37867.24	51 51N	12 13E	81.9	190.6	2.181	23.10	54.6	SO409	.07180	8.9877	1.0	V
9008	37870.84	51 49N	12 12E	83.1	190.5	2.181	23.45	54.6	SO409	.07180	8.7236	0.4	A
1787 5001	49544.03	21 49S	46 34W	141.9	187.0	2.037	41.65	45.3	SO312	.02210	5.0679	1.0	F
5002	49549.23	21 49S	46 33W	143.0	187.0	1.826	42.35	45.3	SO312	.02210	5.0596	2.2	V
5003	49554.63	21 49S	46 34W	145.4	187.0	1.484	42.70	45.3	SO130	.02210	4.8863	2.2	A
9001	49572.43	22 53S	49 5W	106.9	187.1	3.439	-18.55	43.2	SO409	.05390	6.6686	0.6	A
9002	49605.43	25 31S	48 31W	108.5	187.2	2.881	13.30	41.3	SO409	.05390	6.6521	1.0	V
9003	49635.83	27 37S	48 32W	117.9	187.3	2.390	23.45	39.5	SO409	.05390	6.1074	1.6	V
9004	49645.23	28 15S	48 41W	117.7	187.4	2.390	22.75	38.9	SO409	.05390	6.1156	1.0	V
1788 9001	54378.43	10 57N	63 57W	90.3	186.6	2.881	22.05	70.5	SO409	.07180	7.9561	1.4	A
9002	54391.03	10 8N	64 41W	82.2	186.6	3.439	-1.05	69.6	SO409	.07180	8.7649	0.8	A
9003	54403.43	8 59N	64 8W	94.1	186.6	2.738	26.95	69.7	SO409	.05390	7.7580	1.4	V
9004	54748.43	14 24S	67 30W	134.5	186.7	1.690	41.65	52.0	SO409	.04070	5.2573	1.0	A
9005	54796.23	18 1S	70 17W	104.1	186.8	3.439	-21.35	47.6	SO409	.03070	6.8749	1.4	F
9006	54803.43	18 13S	70 33W	108.0	186.9	3.439	-27.30	47.3	SO409	.05390	6.7099	0.6	V
9007	54808.23	18 19S	70 20W	104.5	186.9	3.439	-20.30	47.3	SO409	.05390	6.8502	1.2	A
9008	54829.43	20 7S	69 45W	101.3	186.9	3.092	8.75	46.2	SO409	.04070	7.1308	0.6	V
9009	54833.23	20 7S	69 45W	103.1	186.9	3.092	9.45	46.2	SO409	.04070	6.8997	0.6	A
9010	55014.83	32 45S	71 31W	125.3	187.7	2.181	26.25	34.8	SO409	.05390	5.7360	1.2	V
9011	55022.63	33 22S	70 46W	152.1	187.8	1.484	41.30	34.5	SO409	.03070	4.7291	1.0	V
9012	55052.63	35 32S	72 35W	118.7	188.0	2.530	15.05	32.0	SO409	.05390	6.0166	0.6	F
1789 9001	59519.83	22 3N	84 16W	80.5	187.0	3.092	11.90	72.7	SO409	.05390	8.9629	0.4	A
9002	59643.43	13 34N	85 58W	81.8	186.7	3.092	7.35	71.3	SO409	.05390	8.8061	1.4	A
1793 9001	81702.83	43 33S	172 41E	137.4	189.1	2.881	-29.40	23.7	SO409	.07180	5.1583	0.8	A
9002	82100.03	69 28S	159 26E	146.3	199.3	1.484	-13.65	-1.4	SO409	.29610	4.7704	1.2	A
1794 9001	85416.23	64 48N	177 54E	80.7	195.5	1.338	-17.85	42.4	SO409	.07180	8.9712	0.6	F
9002	85422.03	64 48N	177 54E	80.4	195.2	1.338	-17.50	42.4	SO409	.07180	9.0290	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1794 9003	85454.83	62 33N	176 57E	77.4	194.1	1.484	-8.75	44.5	S0409	.05390	9.3756	0.8	A
1795 9001	4625.43	44 34N	146 57E	84.8	189.2	2.181	-30.45	60.0	S0409	.04070	8.5173	0.4	F
9002	4631.43	44 34N	146 57E	84.4	189.1	2.390	-30.10	60.0	S0409	.04070	8.6328	0.4	A
9003	4639.03	43 39N	146 19E	94.3	189.0	1.826	-39.20	60.6	S0409	.07180	7.8425	0.4	F
9004	4645.63	43 40N	146 19E	93.6	189.0	2.037	-38.85	60.6	S0409	.07180	7.7628	0.4	A
1796 9001	9829.23	51 46N	127 49E	75.5	190.6	2.181	-9.45	54.2	S0409	.07180	9.5984	0.4	F
9002	9836.03	51 16N	128 1E	75.0	190.5	2.181	1.05	54.7	S0409	.07180	9.6809	0.8	F
9003	9841.23	51 17N	128 1E	75.0	190.4	2.181	1.75	54.7	S0409	.07180	9.6809	1.0	A
9004	9846.63	50 42N	128 4E	75.3	190.3	2.181	8.40	55.3	S0409	.05390	9.7717	1.2	V
9005	9851.63	50 34N	127 52E	75.3	190.2	2.181	4.55	55.4	S0409	.07180	9.6397	0.6	A
9006	9853.83	50 25N	127 49E	75.4	190.2	2.181	4.55	55.5	S0409	.07180	9.6397	0.6	A
9007	9859.43	49 53N	127 20E	73.9	190.1	2.181	-4.20	55.9	S0409	.05390	9.9450	0.6	V
9008	9862.23	49 52N	127 20E	74.7	190.1	2.390	-4.20	55.9	S0409	.05390	9.7222	0.6	A
9009	9960.83	42 41N	125 50E	78.7	188.9	2.738	16.10	62.0	S0409	.05390	9.2518	0.8	F
9010	9964.03	42 39N	125 47E	77.5	188.9	2.530	15.75	62.0	S0409	.05390	9.4911	0.4	V
9011	9967.63	42 12N	125 47E	79.7	188.8	2.738	18.90	62.4	S0409	.05390	9.1362	0.4	F
9012	9969.23	42 6N	125 45E	80.2	188.8	2.738	18.90	62.5	S0409	.05390	9.0867	0.6	F
9013	9975.03	41 39N	125 57E	86.3	188.8	2.530	27.65	63.0	S0409	.05390	8.4595	1.2	F
9014	9980.43	41 28N	126 5E	90.2	188.7	2.181	32.90	63.2	S0409	.05390	8.1624	0.8	V
9015	9983.63	41 28N	126 5E	91.7	188.7	2.181	33.25	63.2	S0409	.05390	7.8983	1.0	A
9016	9998.43	40 11N	124 31E	74.7	188.6	2.881	-5.60	63.6	S0409	.05390	9.7222	1.0	F
9017	10001.43	39 59N	124 28E	74.7	188.5	2.881	-5.25	63.8	S0409	.07180	9.7222	0.6	F
9018	10003.03	39 52N	124 26E	74.7	188.5	2.881	-5.25	63.9	S0409	.07180	9.7222	1.0	F
9019	10008.43	39 52N	124 26E	74.7	188.5	2.881	-4.55	63.9	S0409	.07180	9.7222	1.0	A
9020	10020.63	38 34N	124 52E	81.6	188.4	2.738	20.65	65.2	S0409	.07180	8.9299	0.6	F
9021	10023.63	38 33N	124 52E	80.9	188.3	2.530	21.35	65.2	S0409	.07180	9.0867	0.8	V
9022	10026.83	38 32N	124 52E	82.1	188.3	2.530	21.70	65.2	S0409	.07180	8.8226	0.6	A
9023	10031.63	37 58N	124 60E	87.0	188.3	2.530	29.05	65.7	S0409	.04070	8.4595	0.6	V
9024	10034.83	37 58N	124 60E	88.4	188.3	2.530	29.40	65.7	S0409	.04070	8.1871	0.6	A
9025	10126.03	31 26N	122 15E	76.8	187.7	3.092	-14.00	69.1	S0409	.05390	9.4416	0.4	F
9026	10131.63	31 26N	122 15E	76.6	187.6	3.092	-12.95	69.1	S0409	.05390	9.4829	0.4	A
9027	10138.43	30 44N	122 27E	74.7	187.6	3.092	0.35	69.7	S0409	.07180	9.8295	0.6	V
9028	10146.23	30 2N	122 6E	75.9	187.5	3.092	-8.40	69.9	S0409	.05390	9.5654	0.4	F
9029	10148.83	30 2N	122 6E	75.1	187.5	3.092	-8.05	69.9	S0409	.07180	9.7800	0.6	V
9030	10151.63	30 2N	122 5E	76.0	187.5	3.092	-7.70	69.9	S0409	.07180	9.5571	0.6	A
9031	10160.03	29 26N	122 12E	76.1	187.5	3.092	1.40	70.4	S0409	.05390	9.5324	0.4	A
9032	10168.43	28 32N	121 27E	79.8	187.4	2.881	-20.65	70.3	S0409	.05390	9.0702	0.4	F
9033	10174.43	28 8N	120 60E	88.2	187.4	2.738	-32.90	70.2	S0409	.05390	8.1871	0.4	F
9034	10181.43	27 51N	121 8E	82.2	187.4	2.881	-26.60	70.4	S0409	.05390	8.9217	0.4	V
9035	10223.83	24 51N	121 13E	75.8	187.2	3.232	-0.35	71.9	S0409	.05390	9.6809	0.6	V
9036	10226.63	24 51N	121 13E	76.8	187.2	3.232	0.00	71.9	S0409	.05390	9.4334	0.6	A
9037	10248.43	23 2N	120 14E	83.6	187.1	3.092	-25.55	71.7	S0409	.05390	8.6411	0.6	F
9038	10254.43	23 2N	120 14E	83.3	187.1	3.232	-24.85	71.7	S0409	.05390	8.7153	0.6	A
9039	10495.23	5 55N	118 4E	87.0	186.6	3.232	12.25	67.6	S0409	.05390	8.3357	0.6	F
9040	10498.23	5 56N	118 4E	86.3	186.6	3.232	12.60	67.6	S0409	.05390	8.4760	0.6	V
9041	10598.83	1 13S	116 50E	91.1	186.5	3.232	12.25	62.5	S0409	.05390	7.9478	0.6	F
9042	10602.03	1 12S	116 50E	90.4	186.5	3.232	12.60	62.5	S0409	.05390	8.0716	1.2	V
9043	10606.03	1 15S	116 50E	91.9	186.5	3.232	12.95	62.5	S0409	.05390	7.8075	0.6	A
1797 5001	15496.03	27 19N	98 28E	94.5	187.3	2.390	-39.55	70.3	S0130	.01660	7.6431	0.8	F
5002	15500.63	26 60N	98 13E	101.6	187.3	2.181	-43.75	70.2	S0130	.01660	7.0819	0.8	F
5003	15507.03	26 59N	98 38E	87.6	187.3	2.738	-32.90	70.6	S0130	.02210	8.3200	0.8	A
5004	15513.23	26 38N	98 9E	100.9	187.3	2.530	-43.40	70.4	S0130	.01660	7.2139	0.8	A
5005	15516.43	26 25N	98 5E	101.5	187.2	2.530	-43.75	70.4	S0130	.01660	7.1644	1.0	A
5006	15521.23	26 6N	97 59E	103.4	187.2	2.530	-44.80	70.5	S0130	.01660	7.0406	0.8	A
5007	15523.43	25 57N	97 57E	103.4	187.2	2.530	-44.80	70.5	S0130	.01660	7.0323	0.8	A
5008	15530.63	25 26N	97 56E	100.0	187.2	2.738	-43.05	70.7	S0130	.01660	7.2965	0.8	A
5009	15541.83	24 7N	98 40E	77.1	187.1	3.232	-12.95	71.8	S0130	.02210	9.4012	0.8	F
5010	15546.83	23 58N	98 35E	77.0	187.1	3.232	-14.00	71.8	S0130	.02210	9.5250	0.8	V
5011	15557.43	22 55N	99 20E	85.0	187.1	2.881	22.75	72.8	S0130	.02210	8.5593	0.8	F
5012	15563.03	22 57N	99 27E	89.0	187.1	2.738	27.30	72.9	S0130	.02210	8.1219	0.8	A
5013	15569.23	22 31N	99 29E	92.7	187.0	2.530	30.80	73.1	S0130	.01660	7.8000	0.8	A
5014	15574.03	21 57N	99 26E	93.4	187.0	2.530	31.85	73.2	S0130	.01660	7.8860	0.8	V
5015	15578.03	21 55N	99 24E	94.3	187.0	2.530	31.85	73.2	S0130	.01660	7.6762	0.8	A
5016	15582.43	21 36N	99 25E	96.2	187.0	2.530	34.30	73.3	S0130	.01660	7.5193	1.0	A
5017	15586.83	21 4N	99 17E	94.2	187.0	2.530	33.25	73.3	S0130	.01660	7.8082	0.8	V
5018	15590.63	21 3N	99 16E	96.1	187.0	2.530	32.90	73.3	S0130	.01660	7.5276	0.8	A
5019	15597.43	20 34N	99 39E	113.6	187.0	1.826	44.45	73.7	S0130	.01660	6.3555	1.0	A
5020	15614.03	19 29N	98 11E	78.6	186.9	3.232	5.25	72.6	S0130	.02210	9.2114	1.2	A
5021	15621.23	18 34N	98 14E	81.0	186.9	3.232	12.95	72.7	S0130	.02210	8.9638	0.8	F
9001	15142.83	51 22N	106 34E	79.9	190.5	2.390	18.20	54.8	S0409	.07180	9.1032	1.4	F
9002	15148.63	51 22N	106 30E	79.4	190.4	2.181	17.50	54.8	S0409	.07180	9.1362	1.4	A
9003	15159.23	50 25N	106 24E	81.6	190.3	2.181	23.10	55.6	S0409	.07180	9.0207	0.4	V
9004	15162.23	50 25N	106 24E	82.8	190.2	2.181	23.45	55.6	S0409	.07180	8.7649	0.4	A
9005	15357.43	36 57N	101 43E	72.7	188.2	2.881	-0.35	66.0	S0409	.07180	10.1101	0.4	V
9006	15361.23	36 40N	101 46E	73.2	188.1	2.881	3.85	66.2	S0409	.07180	10.0358	0.4	V
9007	15364.03	36 40N	101 47E	75.5	188.1	2.881	4.55	66.3	S0409	.07180	9.5984	1.2	A
1798 9001	20376.43	56 39N	84 54E	81.1	191.9	1.690	-22.75	49.8	S0409	.07180	8.9299	0.6	F
9002	20379.43	56 38N	84 54E	79.9	191.8	1.690	-22.40	49.8	S0409	.07180	9.1858	0.6	V
9003	20383.63	56 31N	85 4E	78.3	191.7	1.690	-17.15	49.9	S0409	.07180	9.2848	1.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1798	9004	20389.03	55 45N	84 55E	77.2	191.6	1.690	-14.00	50.6	S0409	.07180	9.3838	0.6	F
	9005	20394.43	55 46N	84 55E	76.9	191.5	2.037	-13.65	50.6	S0409	.07180	9.4499	0.8	A
	9006	20404.23	54 49N	83 8E	99.5	191.3	1.338	-41.65	51.2	S0409	.04070	7.2546	0.4	F
	9007	20411.23	54 49N	83 8E	98.8	191.2	1.690	-41.65	51.2	S0409	.04070	7.3618	0.6	A
	9008	20434.03	52 31N	85 8E	83.7	190.8	2.181	23.80	53.8	S0409	.07180	8.7071	1.0	F
	9009	20440.03	52 31N	85 8E	84.1	190.7	2.037	24.50	53.8	S0409	.07180	8.6246	1.0	A
	9010	20484.63	49 18N	81 54E	86.1	190.0	1.826	-31.50	56.1	S0409	.05390	8.3935	0.6	F
	9011	20487.63	49 18N	81 53E	84.8	190.0	2.037	-31.50	56.1	S0409	.05390	8.6493	0.6	V
	9012	20491.63	49 16N	81 42E	89.2	189.9	2.037	-35.00	56.1	S0409	.05390	8.1624	0.6	A
	9013	20532.83	46 13N	80 50E	88.1	189.4	2.037	-35.00	58.6	S0409	.04070	8.3357	0.8	V
	9014	20536.03	46 13N	80 50E	88.7	189.4	2.037	-34.65	58.6	S0409	.04070	8.2119	0.8	A
	9015	20763.43	30 24N	76 49E	98.2	187.5	2.390	-42.35	68.9	S0409	.04070	7.4691	1.0	V
	9016	20767.03	30 24N	76 49E	98.9	187.5	2.390	-42.00	69.0	S0409	.04070	7.3618	1.0	A
1799	5001	25852.43	45 10N	59 19E	75.5	189.3	2.530	-11.20	59.7	S0130	.02210	9.6076	1.4	F
	5002	25857.83	45 10N	59 19E	75.4	189.2	2.530	-10.50	59.7	S0130	.02210	9.6489	1.4	A
	9001	25706.23	55 25N	61 50E	86.3	191.5	1.690	-31.85	50.8	S0409	.07180	8.5008	0.4	V
	9002	25709.43	55 24N	61 50E	86.9	191.4	1.690	-31.50	50.8	S0409	.07180	8.3605	0.4	A
	9003	25730.03	53 17N	63 40E	89.9	191.0	2.037	30.80	53.1	S0409	.05390	8.1046	2.6	F
	9004	25736.23	53 18N	63 37E	89.2	190.9	1.826	30.45	53.1	S0409	.05390	8.1046	2.8	A
	9005	25852.23	45 10N	59 19E	75.5	189.3	2.530	-11.20	59.7	S0409	.07180	9.6067	1.4	F
	9006	25857.63	45 10N	59 19E	75.4	189.2	2.530	-10.50	59.7	S0409	.07180	9.6479	1.4	A
	9007	25953.23	38 8N	58 23E	81.2	188.3	2.738	19.95	65.4	S0409	.05390	8.9712	0.8	F
	9008	25959.03	38 8N	58 23E	81.8	188.3	2.530	21.00	65.5	S0409	.05390	8.8556	0.8	A
1800	5001	31085.83	50 25N	40 57E	102.9	190.2	1.690	41.30	55.8	S0130	.01660	7.0241	3.6	A
	5002	31099.23	49 25N	39 14E	75.7	190.0	2.390	10.50	56.3	S0130	.02210	9.6984	3.6	V
	5003	31105.03	49 13N	39 8E	76.5	189.9	2.390	10.15	56.5	S0130	.02210	9.4920	3.6	A
	5004	31138.83	46 34N	39 30E	99.1	189.5	1.826	39.55	59.1	S0130	.02210	7.4285	0.6	V
	5005	31143.03	46 1N	39 26E	102.9	189.5	2.037	40.95	59.6	S0130	.01660	7.0901	0.6	F
	9001	30969.83	58 7N	41 41E	77.7	192.4	1.690	-14.70	48.5	S0409	.07180	9.3261	0.6	F
	9002	30972.63	58 7N	41 40E	76.7	192.3	1.690	-14.70	48.5	S0409	.07180	9.5654	0.6	V
	9003	30976.62	57 39N	41 35E	76.8	192.3	1.690	-11.90	48.9	S0409	.07180	9.4334	0.4	F
	9004	30978.03	57 33N	41 33E	76.8	192.2	1.690	-11.90	49.0	S0409	.07180	9.4334	0.4	F
	9005	30980.63	57 33N	41 33E	75.8	192.2	1.690	-11.55	49.0	S0409	.07180	9.6892	1.2	V
	9006	30984.23	57 30N	41 32E	76.5	192.1	1.690	-11.20	49.0	S0409	.07180	9.4911	0.4	A
	9007	30989.23	57 7N	41 44E	75.4	192.0	1.826	-2.45	49.4	S0409	.07180	9.6232	0.8	A
	9008	30994.63	56 24N	41 21E	75.5	191.8	1.826	-4.55	50.1	S0409	.07180	9.6067	0.8	F
	9009	31000.03	56 24N	41 21E	75.4	191.7	2.037	-4.20	50.1	S0409	.07180	9.6314	0.6	A
	9010	31006.62	55 36N	40 53E	75.7	191.6	2.037	-7.70	50.8	S0409	.07180	9.5819	0.4	F
	9011	31012.03	55 36N	40 53E	75.5	191.5	2.037	-7.00	50.8	S0409	.07180	9.6149	0.4	A
	9012	31024.43	54 40N	39 35E	83.8	191.2	1.690	-29.05	51.4	S0409	.07180	8.7566	0.6	V
	9013	31027.43	54 40N	39 35E	84.5	191.2	1.690	-28.70	51.4	S0409	.07180	8.6081	0.6	A
	9014	31050.23	52 39N	39 36E	76.0	190.8	2.037	-11.20	53.4	S0409	.07180	9.5406	1.0	F
	9015	31054.63	52 31N	39 42E	74.3	190.7	2.037	-7.00	53.5	S0409	.07180	9.8790	0.4	V
	9016	31057.43	52 30N	39 42E	75.1	190.7	2.037	-6.65	53.5	S0409	.07180	9.6644	0.4	A
	9017	31065.43	51 38N	39 0E	77.7	190.5	2.037	-17.50	54.2	S0409	.07180	9.3178	0.4	F
	9018	31071.03	51 38N	39 1E	77.4	190.4	2.181	-16.80	54.2	S0409	.07180	9.3838	0.4	A
	9019	31115.03	48 20N	38 53E	75.8	189.8	2.390	11.20	57.3	S0409	.07180	9.6809	0.4	V
	9020	31117.83	48 20N	38 53E	76.8	189.8	2.390	11.55	57.3	S0409	.07180	9.4334	0.4	A
	9021	31129.83	46 59N	39 21E	92.1	189.6	2.181	33.25	58.6	S0409	.05390	7.9231	0.6	F
	9022	31133.03	46 60N	39 21E	91.4	189.6	2.181	33.60	58.6	S0409	.05390	8.0468	0.6	V
	9023	31161.83	45 5N	36 23E	87.6	189.2	2.037	-33.25	59.5	S0409	.05390	8.2532	0.4	F
	9024	31168.23	45 4N	36 22E	87.2	189.2	2.181	-32.90	59.5	S0409	.05390	8.3440	0.4	A
	9025	31321.62	33 54N	35 31E	87.8	187.9	2.738	28.00	68.4	S0409	.05390	8.3027	0.6	F
	9026	31325.23	33 52N	35 34E	88.7	187.9	2.530	30.10	68.5	S0409	.05390	8.2944	0.6	V
	9027	31328.43	33 52N	35 34E	90.1	187.8	2.530	30.45	68.5	S0409	.05390	8.0221	0.6	A
	9028	31336.03	32 57N	35 6E	83.2	187.8	2.881	22.05	68.9	S0409	.07180	8.7649	0.6	F
	9029	31339.03	32 57N	35 6E	82.6	187.8	2.881	22.40	68.9	S0409	.04070	8.8969	1.2	V
	9030	31342.83	32 54N	35 6E	84.2	187.7	2.881	23.10	68.9	S0409	.03070	8.5998	0.6	A
	9031	31349.03	32 3N	34 54E	83.4	187.7	2.881	22.05	69.4	S0409	.03070	8.7401	0.6	F
	9032	31352.03	32 3N	34 54E	82.7	187.7	2.881	22.40	69.4	S0409	.04070	8.8804	0.6	V
	9033	31353.62	31 56N	34 52E	82.8	187.7	2.881	22.40	69.5	S0409	.04070	8.8804	0.8	V
	9034	31356.83	31 56N	34 52E	84.1	187.7	2.881	22.75	69.5	S0409	.03070	8.6081	0.6	A
	9035	31361.83	31 9N	34 48E	86.2	187.6	2.881	25.55	69.9	S0409	.05390	8.4678	0.8	F
	9036	31364.83	31 9N	34 48E	85.5	187.6	2.881	25.90	70.0	S0409	.05390	8.5915	0.8	V
	9037	31382.03	29 57N	32 34E	98.1	187.5	2.390	-41.30	69.2	S0409	.05390	7.3453	0.6	F
	9038	31389.03	29 57N	32 35E	96.8	187.5	2.738	-40.60	69.2	S0409	.05390	7.5187	0.4	A
	9039	31410.23	28 0N	34 23E	94.0	187.4	2.390	33.95	71.6	S0409	.03070	7.7910	0.6	V
	9040	31413.83	27 60N	34 23E	95.6	187.4	2.390	34.30	71.7	S0409	.03070	7.5269	0.6	A
	9041	32228.63	27 45S	21 29E	134.5	187.4	2.881	-40.25	38.5	S0409	.04070	5.3481	0.6	V
	9042	32233.63	27 44S	21 28E	136.2	187.4	3.092	-40.25	38.5	S0409	.04070	5.2491	0.6	A
1801	5001	36649.02	32 55N	13 12E	89.3	187.8	2.530	29.40	69.0	S0130	.02210	8.1136	0.4	A
	9001	36400.22	49 36N	17 16E	77.3	190.1	2.390	12.60	56.2	S0409	.07180	9.4086	0.6	F
	9002	36405.82	49 36N	17 16E	77.6	190.0	2.390	13.30	56.2	S0409	.07180	9.3426	0.4	A
	9003	36477.22	44 34N	15 22E	73.9	189.2	2.530	3.50	60.3	S0409	.07180	9.9450	0.6	V
	9004	36480.02	44 34N	15 22E	74.8	189.1	2.530	3.85	60.3	S0409	.07180	9.7057	0.4	A
	9005	36489.82	43 34N	16 18E	95.2	189.0	2.037	36.75	61.5	S0409	.03070	7.7167	0.8	V
	9006	36493.22	43 34N	16 19E	97.1	189.0	1.826	37.45	61.5	S0409	.03070	7.4609	0.8	A
	9007	36642.62	32 55N	13 12E	88.3	187.8	2.738	28.35	69.0	S0409	.07180	8.2532	1.0	F
	9008	36646.22	32 53N	13 11E	87.8	187.8	2.530	29.05	69.0	S0409	.05390	8.3770	0.4	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1803 9001	47831.62	6 19S	37 45W	129.7	186.6	1.690	43.05	59.2	S0409	.04070	5.4719	1.2	A
9002	47866.82	8 42S	38 58W	102.7	186.6	2.738	22.40	56.7	S0409	.05390	6.9409	1.2	A
9003	48029.62	19 41S	42 6W	103.2	186.9	3.439	-16.10	46.4	S0409	.05390	6.9244	1.0	A
9004	48041.82	20 42S	42 50W	113.5	187.0	3.232	-31.15	45.2	S0409	.05390	6.3797	0.8	V
9005	48055.82	21 25S	42 43W	109.2	187.0	3.439	-23.80	44.7	S0409	.05390	6.5448	1.4	A
9006	48070.22	22 54S	43 43W	130.6	187.1	2.881	-40.25	43.0	S0409	.04070	5.4637	1.6	F
9007	48079.82	22 55S	43 42W	129.0	187.1	3.232	-39.20	43.0	S0409	.04070	5.5379	0.8	A
1804 9001	52942.02	6 31N	58 15W	98.0	186.6	2.881	28.35	68.4	S0409	.05390	7.4196	0.6	F
9002	53295.02	17 1S	63 38W	100.6	186.8	3.587	-14.70	48.8	S0409	.05390	7.1060	1.4	A
9003	53329.22	19 50S	62 5W	139.3	186.9	1.826	42.00	47.4	S0409	.04070	5.1913	1.6	V
9004	53361.62	21 31S	64 42W	105.9	187.0	3.439	-20.30	44.7	S0409	.05390	6.7429	1.4	A
9005	53372.62	22 4S	65 50W	134.5	187.1	3.232	-44.10	43.7	S0409	.04070	5.3399	1.4	A
9006	53380.42	22 39S	65 41W	125.5	187.1	3.232	-38.85	43.3	S0409	.05390	5.7195	1.4	A
9007	53395.42	24 21S	65 5W	105.9	187.1	3.232	-15.40	42.2	S0409	.05390	6.7511	1.4	F
9008	53411.42	25 4S	66 9W	125.2	187.2	3.092	-37.80	41.1	S0409	.05390	5.7608	1.2	V
9009	53428.22	26 32S	65 56W	113.7	187.3	3.092	-25.90	40.0	S0409	.05390	6.2642	1.0	F
9010	53438.82	26 49S	65 11W	106.3	187.3	3.232	-2.45	40.1	S0409	.05390	6.6851	1.4	A
9011	53450.82	27 31S	66 2W	112.5	187.4	3.439	-22.40	39.1	S0409	.05390	6.3302	1.4	A
9012	53464.62	28 15S	65 6W	110.6	187.4	2.738	10.15	38.7	S0409	.05390	6.4045	1.2	A
9013	53483.62	30 20S	66 16W	110.3	187.5	3.092	-12.95	36.7	S0409	.05390	6.4705	0.4	F
9014	53487.42	30 19S	66 16W	109.0	187.5	3.092	-12.25	36.7	S0409	.05390	6.6108	0.6	V
9015	53525.62	33 14S	66 20W	111.3	187.8	2.881	2.45	34.2	S0409	.05390	6.4128	1.4	F
9016	53684.62	43 37S	68 57W	118.8	189.0	2.530	1.75	24.3	S0409	.07180	6.0249	0.8	V
9017	53689.22	43 38S	68 56W	120.8	189.0	2.530	2.45	24.3	S0409	.07180	5.8350	0.6	A
9018	53731.62	46 31S	68 57W	130.7	189.5	1.826	17.85	21.8	S0409	.05390	5.3729	1.0	A
9019	53781.82	50 18S	71 52W	127.9	190.2	2.390	-13.65	17.7	S0409	.07180	5.5297	1.0	F
9020	53787.42	50 19S	72 14W	130.1	190.2	2.390	-19.25	17.5	S0409	.07180	5.4884	1.2	V
9021	53791.82	50 56S	72 24W	131.3	190.3	2.390	-18.55	17.0	S0409	.07180	5.3729	1.0	F
9022	53801.82	51 2S	71 48W	127.1	190.4	2.390	-7.35	17.1	S0409	.07180	5.5297	0.8	A
9023	53837.42	53 34S	70 26W	147.5	191.0	1.135	27.65	15.3	S0409	.05390	4.7456	1.4	A
1805 9001	58028.42	21 34N	77 50W	85.3	187.0	2.881	21.35	72.9	S0409	.05390	8.5503	0.8	F
9002	58031.42	21 34N	77 51W	84.4	187.0	2.881	21.35	72.9	S0409	.05390	8.6988	0.6	V
9003	58036.42	21 26N	77 50W	86.5	187.0	2.881	22.75	73.0	S0409	.07180	8.3440	0.6	A
1806 5001	63390.02	18 3N	101 11W	78.0	186.8	3.439	-0.35	72.3	S0130	.02210	9.2939	0.8	A
9001	63131.82	35 25N	97 35W	74.8	188.0	2.881	0.00	66.9	S0409	.05390	9.7140	0.6	F
9002	63137.22	35 25N	97 35W	74.9	188.0	2.881	0.70	66.9	S0409	.05390	9.6809	0.6	A
9003	63378.02	18 30N	101 19W	79.1	186.9	3.439	-10.50	72.1	S0409	.05390	9.1527	0.8	F
9004	63383.82	18 29N	101 19W	79.1	186.9	3.439	-9.45	72.2	S0409	.05390	9.1610	0.8	A
1811 9001	2796.02	68 5N	166 34E	81.3	197.6	1.338	14.70	39.1	S0409	.07180	8.9134	0.8	A
9002	3016.42	52 53N	157 50E	83.6	190.9	2.037	23.45	53.3	S0409	.07180	8.7153	0.4	F
9003	3022.42	52 53N	157 51E	84.1	190.8	1.826	24.50	53.3	S0409	.07180	8.6246	0.4	A
9004	3047.02	50 54N	156 29E	76.4	190.4	2.390	8.40	54.9	S0409	.05390	9.5159	0.4	F
9005	3052.42	50 54N	156 30E	76.6	190.3	2.181	9.45	54.9	S0409	.05390	9.4746	0.4	A
9006	3061.02	50 1N	155 25E	76.4	190.2	2.181	-13.65	55.4	S0409	.05390	9.4746	0.4	F
9007	3066.62	50 1N	155 25E	76.2	190.1	2.181	-12.95	55.5	S0409	.05390	9.5324	0.4	A
9008	3073.42	49 24N	154 48E	79.8	190.0	2.037	-24.50	55.9	S0409	.07180	9.2023	0.4	V
9009	3076.42	49 24N	154 47E	80.7	190.0	2.037	-24.50	55.9	S0409	.07180	9.0124	0.4	A
1812 9001	8419.62	46 35N	133 39E	86.9	189.5	2.390	28.00	58.7	S0409	.05390	8.3852	0.8	F
9002	8449.02	44 37N	132 50E	82.7	189.2	2.530	22.75	60.3	S0409	.05390	8.8226	0.8	F
9003	8454.82	44 13N	132 43E	82.9	189.1	2.530	23.10	60.6	S0409	.07180	8.8061	0.6	F
9004	8457.62	44 14N	132 43E	82.1	189.1	2.530	23.45	60.6	S0409	.07180	8.9629	0.6	V
9005	8460.82	44 13N	132 43E	83.4	189.1	2.530	23.80	60.6	S0409	.07180	8.6906	0.4	A
9006	8463.42	44 2N	132 39E	83.1	189.0	2.530	23.45	60.8	S0409	.05390	8.7236	0.6	A
9007	8467.62	43 22N	132 22E	81.0	189.0	2.530	20.30	61.3	S0409	.05390	8.9959	2.2	F
9008	8473.42	43 22N	132 22E	81.5	188.9	2.530	21.00	61.3	S0409	.05390	8.8969	0.8	A
9009	8478.62	42 47N	132 21E	83.3	188.9	2.530	24.85	61.8	S0409	.07180	8.8309	0.6	V
9010	8481.62	42 47N	132 22E	84.9	188.9	2.530	25.55	61.8	S0409	.07180	8.5420	0.6	A
9011	8510.42	41 5N	129 42E	95.3	188.6	2.390	-40.60	62.3	S0409	.04070	7.6590	0.6	A
1813 5001	13658.02	51 32N	113 2E	82.7	190.6	2.037	23.10	54.4	S0130	.02210	8.7987	0.4	F
5002	13662.82	51 25N	112 52E	80.2	190.5	2.037	20.65	54.5	S0130	.02210	9.1701	0.6	V
5003	13665.82	51 25N	112 51E	81.1	190.4	2.037	20.65	54.5	S0130	.02210	8.9390	0.8	A
5004	14122.42	19 49N	103 54E	80.4	186.9	3.232	-18.55	72.0	S0130	.02210	9.0050	0.8	F
5005	14130.22	19 17N	103 36E	84.4	186.9	3.092	-25.90	71.8	S0130	.02210	8.5676	0.8	F
5006	14134.02	19 2N	103 36E	83.8	186.9	3.092	-24.15	71.8	S0130	.02210	8.6336	1.0	F
5007	14139.42	18 53N	103 24E	86.3	186.9	3.092	-29.75	71.7	S0130	.02210	8.4933	1.0	V
9001	13640.62	52 54N	113 39E	83.3	190.8	2.037	25.20	53.2	S0409	.07180	8.8309	0.8	V
9002	13643.82	52 53N	113 39E	84.5	190.8	2.037	25.55	53.2	S0409	.07180	8.5750	0.8	A
9003	13650.02	52 1N	113 36E	89.9	190.7	2.037	31.15	54.1	S0409	.05390	8.1129	0.6	F
9004	13653.22	52 1N	113 35E	88.8	190.6	2.037	31.15	54.1	S0409	.05390	8.2779	0.6	V
9005	13658.02	51 32N	113 2E	82.8	190.6	2.037	23.10	54.4	S0409	.07180	8.7979	1.0	F
9006	13662.62	51 26N	112 53E	80.2	190.5	2.037	20.65	54.5	S0409	.07180	9.1693	0.6	V
9007	13665.62	51 26N	112 52E	81.1	190.4	2.037	20.65	54.5	S0409	.07180	8.9382	1.0	A
9008	13912.22	34 11N	107 46E	79.5	187.9	2.881	16.80	67.9	S0409	.05390	9.1693	0.4	F
9009	13917.82	34 11N	107 46E	80.1	187.9	2.738	17.85	67.9	S0409	.05390	9.0372	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1813 9010	13927.62	33 10N	107 12E	75.7	187.8	3.092	4.90	68.3	S0409	.05390	9.6067	0.4	F
9011	13933.02	33 10N	107 12E	76.0	187.8	2.881	5.95	68.3	S0409	.05390	9.5489	0.4	A
9012	13980.22	29 32N	106 31E	77.5	187.5	3.092	9.10	70.3	S0409	.05390	9.3921	0.4	F
9013	13983.02	29 32N	106 31E	76.7	187.5	3.092	9.45	70.3	S0409	.05390	9.5737	0.4	V
9014	13985.82	29 32N	106 31E	77.8	187.5	3.092	9.80	70.3	S0409	.05390	9.3096	0.4	A
9015	14009.42	27 55N	106 9E	77.2	187.4	3.092	9.10	71.0	S0409	.05390	9.3756	0.4	A
9016	14020.02	26 54N	106 38E	91.5	187.3	2.530	32.20	71.9	S0409	.05390	8.0386	0.6	V
9017	14027.42	26 17N	105 53E	77.8	187.3	3.092	10.50	71.6	S0409	.05390	9.3508	0.4	F
9018	14032.82	26 18N	105 53E	78.3	187.3	3.092	11.55	71.7	S0409	.05390	9.2353	0.6	A
9019	14048.62	25 14N	105 27E	76.7	187.2	3.232	3.15	71.8	S0409	.05390	9.4499	0.4	A
9020	14096.42	21 29N	105 12E	84.8	187.0	3.092	20.30	72.9	S0409	.05390	8.5833	0.6	F
9021	14099.42	21 29N	105 12E	84.2	187.0	2.881	21.00	72.9	S0409	.05390	8.7153	0.6	V
9022	14102.42	21 29N	105 10E	84.8	187.0	2.881	20.30	72.9	S0409	.05390	8.5173	0.4	A
9023	14111.82	20 52N	104 44E	78.9	187.0	3.232	8.05	72.6	S0409	.05390	9.1693	0.6	A
1814 9001	18871.02	58 28N	92 16E	77.9	192.5	1.690	-14.35	47.9	S0409	.05390	9.5406	0.4	V
9002	18873.82	58 28N	92 16E	77.7	192.4	1.690	-14.00	47.9	S0409	.05390	9.3508	0.4	A
9003	18893.02	56 34N	93 12E	85.9	192.0	2.037	25.90	49.9	S0409	.07180	8.4760	1.2	F
9004	18896.42	56 21N	93 4E	85.6	191.9	2.037	25.55	50.1	S0409	.07180	8.5090	1.4	F
9005	18900.42	56 5N	92 54E	84.6	191.8	2.037	24.50	50.3	S0409	.05390	8.6081	0.4	F
9006	18906.42	56 5N	92 53E	84.9	191.7	1.826	25.20	50.3	S0409	.05390	8.5503	0.6	A
9007	18917.82	55 17N	90 56E	76.1	191.4	2.037	-14.00	50.8	S0409	.07180	9.6562	0.4	V
9008	18920.62	55 17N	90 56E	76.9	191.4	2.037	-13.65	50.8	S0409	.07180	9.4581	0.4	A
9009	19082.42	44 2N	87 31E	73.7	189.1	2.530	-4.55	60.5	S0409	.07180	9.9780	0.6	V
9010	19085.22	44 1N	87 30E	74.5	189.0	2.738	-4.55	60.5	S0409	.07180	9.7552	0.6	A
9011	19090.82	43 27N	87 21E	73.0	189.0	2.738	-4.55	60.9	S0409	.07180	10.0771	0.4	V
9012	19093.62	43 26N	87 21E	73.8	188.9	2.738	-4.20	60.9	S0409	.07180	9.8460	0.4	A
9013	19105.42	42 14N	87 21E	75.0	188.8	2.738	5.95	62.0	S0409	.05390	9.7057	1.0	F
9014	19110.62	42 15N	87 21E	75.1	188.8	2.738	6.65	62.0	S0409	.05390	9.6562	1.2	A
1815 9001	24231.62	54 56N	69 11E	74.5	191.4	2.037	-0.70	51.2	S0409	.07180	9.8543	0.6	V
9002	24234.42	54 56N	69 11E	75.4	191.3	2.037	-0.35	51.2	S0409	.07180	9.6314	0.6	A
9003	24274.02	51 56N	67 22E	78.4	190.6	2.037	-18.90	53.7	S0409	.05390	9.2435	0.8	F
9004	24279.62	51 56N	67 22E	78.0	190.5	2.181	-18.20	53.7	S0409	.05390	9.3178	0.8	A
9005	24286.22	51 8N	66 42E	83.9	190.4	1.826	-28.35	54.3	S0409	.05390	8.6081	0.6	F
9006	24333.62	47 53N	67 37E	84.2	189.7	2.181	26.25	57.6	S0409	.05390	8.7484	0.6	V
9007	24336.82	47 52N	67 37E	85.4	189.7	2.181	26.60	57.6	S0409	.05390	8.4843	0.6	A
9008	24380.22	44 32N	66 15E	79.5	189.2	2.530	17.50	60.3	S0409	.05390	9.1693	1.0	F
9009	24386.02	44 32N	66 15E	79.8	189.1	2.390	18.20	60.3	S0409	.05390	9.0785	1.0	A
9010	24451.02	39 49N	65 33E	92.7	188.5	2.181	34.65	64.2	S0409	.04070	7.9478	0.4	V
9011	24454.42	39 49N	65 33E	94.3	188.5	2.181	35.00	64.2	S0409	.04070	7.6837	0.4	A
9012	24461.22	38 57N	65 2E	86.3	188.4	2.390	27.30	64.8	S0409	.04070	8.4512	0.8	F
9013	24464.22	38 57N	65 2E	85.6	188.4	2.390	27.65	64.8	S0409	.04070	8.5833	0.8	V
1816 5001	29473.01	59 12N	49 48E	80.1	192.9	1.826	16.45	47.4	S0130	.03080	9.0711	0.6	F
5002	29475.81	59 12N	49 47E	79.2	192.8	1.826	16.45	47.4	S0130	.03080	9.2857	0.6	V
5003	29572.21	53 7N	45 2E	87.4	190.8	1.690	-32.20	52.5	S0130	.02210	8.3282	0.6	A
5004	29603.01	50 43N	47 19E	104.6	190.3	1.690	42.00	55.3	S0130	.01660	6.9168	0.6	A
5005	29612.81	50 7N	46 7E	82.9	190.1	2.181	22.75	55.6	S0130	.02210	8.7657	0.6	A
5006	29617.61	49 20N	46 6E	86.9	190.1	2.181	28.00	56.3	S0130	.02210	8.3943	0.6	F
5007	29652.61	47 39N	43 6E	91.5	189.6	2.181	-37.10	57.1	S0130	.02210	7.9733	0.8	A
5008	29658.81	47 10N	43 20E	83.8	189.5	2.390	-29.05	57.6	S0130	.02210	8.6996	0.4	A
5009	29668.41	46 8N	42 17E	102.4	189.4	1.690	-44.45	58.2	S0130	.01660	7.0323	0.6	F
5010	29677.21	45 41N	43 7E	79.1	189.3	2.390	-23.45	58.9	S0130	.02210	9.2774	0.6	V
5011	29686.01	44 59N	43 52E	74.5	189.2	2.530	5.60	59.8	S0130	.02210	9.8635	3.6	V
5012	29695.81	44 28N	44 4E	79.4	189.1	2.530	17.15	60.3	S0130	.02210	9.1536	0.6	A
9001	29472.81	59 13N	49 48E	80.2	192.9	1.826	16.45	47.4	S0409	.07180	9.0702	0.8	F
9002	29480.81	58 39N	49 38E	81.3	192.7	1.826	16.90	47.9	S0409	.07180	8.9464	0.6	F
9003	29483.61	58 40N	49 38E	80.5	192.6	1.826	19.25	47.9	S0409	.07180	9.1280	0.6	V
9004	29487.61	58 36N	49 26E	79.7	192.5	1.826	15.75	47.9	S0409	.07180	9.1115	0.8	A
9005	29506.21	56 60N	48 25E	77.4	192.1	2.037	10.15	49.4	S0409	.07180	9.3838	0.4	F
9006	29508.21	56 52N	48 22E	77.4	192.0	2.037	10.15	49.5	S0409	.07180	9.3838	1.2	F
9007	29510.61	56 42N	48 17E	77.4	192.0	2.037	10.15	49.7	S0409	.07180	9.3838	0.4	F
9008	29512.61	56 34N	48 13E	77.4	191.9	2.037	10.15	49.8	S0409	.07180	9.3838	0.4	F
9009	29513.81	56 29N	48 11E	77.4	191.9	2.037	10.15	49.8	S0409	.07180	9.3838	1.0	F
9010	29519.41	56 29N	48 10E	77.4	191.8	2.037	10.50	49.9	S0409	.09620	9.3673	0.8	A
9011	29525.81	55 60N	48 37E	85.0	191.6	1.826	25.20	50.4	S0409	.07180	8.5338	0.4	A
9012	29542.81	54 21N	48 21E	92.8	191.3	2.037	33.25	51.9	S0409	.05390	7.8488	0.4	F
9013	29549.41	54 22N	48 22E	93.7	191.2	1.826	34.30	51.9	S0409	.05390	7.7332	0.4	A
9014	29567.21	53 14N	45 5E	86.7	190.9	1.690	-32.55	52.4	S0409	.05390	8.4512	0.6	V
9015	29570.41	53 14N	45 5E	87.4	190.8	1.690	-32.20	52.4	S0409	.05390	8.3192	0.6	A
9016	29581.21	51 58N	45 51E	75.0	190.6	2.181	-3.15	53.8	S0409	.07180	9.6809	1.2	F
9017	29585.21	51 42N	45 41E	75.0	190.6	2.181	-4.90	54.0	S0409	.07180	9.6644	0.6	F
9018	29589.81	51 46N	45 42E	75.0	190.5	2.181	-4.55	53.9	S0409	.07180	9.6809	1.4	A
9019	29625.61	48 49N	45 47E	84.4	190.0	2.390	24.85	56.8	S0409	.05390	8.6246	3.0	F
9020	29632.61	48 45N	45 45E	84.8	189.9	2.181	25.55	56.8	S0409	.05390	8.5420	2.0	A
9021	29704.21	43 31N	43 39E	76.9	189.0	2.738	11.55	61.0	S0409	.07180	9.4581	0.6	F
9022	29709.81	43 31N	43 39E	77.3	189.0	2.530	12.95	61.0	S0409	.07180	9.3756	0.6	A
9023	29723.41	42 16N	42 43E	74.9	188.8	2.738	-7.70	61.8	S0409	.07180	9.6892	1.0	F
9024	29726.81	42 16N	42 43E	74.8	188.8	2.738	-7.00	61.8	S0409	.07180	9.7057	1.0	A
9025	29737.01	41 40N	43 0E	75.7	188.7	2.738	8.40	62.4	S0409	.07180	9.5819	0.8	A
9026	30715.61	25 44S	28 1E	138.6	187.2	2.738	-42.70	40.5	S0409	.04070	5.1335	0.8	F
9027	30720.61	25 44S	28 2E	135.9	187.2	2.738	-42.00	40.5	S0409	.04070	5.3151	0.6	V
9028	30725.81	26 8S	28 16E	125.6	187.3	3.092	-36.40	40.3	S0409	.05390	5.7525	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1816 9029	30730.41	26 7S	28 16E	127.0	187.3	3.092	-36.05	40.3	SO409	.05390	5.6370	0.8	A
1817 9001	34632.61	69 12N	33 32E	78.5	198.7	1.135	-6.65	37.8	SO409	.07180	9.2188	0.4	F
9002	34635.41	69 12N	33 33E	77.5	198.5	1.135	-6.30	37.8	SO409	.07180	9.4581	0.4	V
9003	34636.61	69 8N	33 28E	77.5	198.5	1.135	-6.30	37.9	SO409	.07180	9.4664	0.8	V
9004	34640.01	68 55N	33 11E	77.5	198.3	1.135	-7.35	38.1	SO409	.07180	9.4581	0.4	V
9005	34642.81	68 55N	33 11E	78.3	198.1	1.338	-7.35	38.1	SO409	.07180	9.2600	1.0	A
9006	34645.01	68 46N	33 3E	78.3	198.0	1.338	-7.35	38.2	SO409	.07180	9.2683	0.4	A
9007	34651.61	68 5N	33 1E	76.9	197.7	1.338	1.75	38.4	SO409	.07180	9.5324	0.4	V
9008	34654.41	68 5N	32 60E	77.8	197.5	1.338	1.75	38.9	SO409	.07180	9.3261	0.4	A
9009	34763.61	60 11N	29 22E	96.6	193.3	1.690	35.70	46.6	SO409	.05390	7.5352	0.4	F
9010	34770.61	60 11N	29 22E	97.2	193.1	1.484	36.40	46.6	SO409	.05390	7.4609	0.4	A
9011	34775.61	59 40N	28 36E	87.8	193.0	1.690	29.05	47.0	SO409	.07180	8.3605	0.4	V
9012	34778.81	59 40N	28 37E	89.2	192.9	1.690	29.40	47.0	SO409	.07180	8.1211	0.4	A
9013	34793.21	58 25N	26 56E	77.2	192.6	2.037	8.75	48.1	SO409	.07180	9.4003	1.0	F
9014	34798.81	58 25N	26 56E	77.4	192.4	2.037	9.45	48.1	SO409	.07180	9.3673	0.8	A
9015	34803.81	57 51N	27 3E	79.7	192.3	2.037	17.85	48.6	SO409	.07180	9.2188	0.4	V
9016	34806.81	57 50N	27 3E	80.9	192.2	1.826	18.55	48.6	SO409	.07180	8.9712	0.4	A
9017	34812.81	57 26N	26 51E	80.8	192.1	1.826	18.55	49.0	SO409	.07180	8.9794	0.4	A
9018	34825.81	56 35N	24 21E	85.1	191.8	1.690	-30.10	49.5	SO409	.07180	8.6163	0.6	V
9019	34829.01	56 35N	24 21E	85.8	191.7	1.690	-29.75	49.5	SO409	.07180	8.4760	0.6	A
9020	34847.01	55 5N	24 23E	76.9	191.4	2.037	-16.45	50.9	SO409	.07180	9.5406	0.6	V
9021	34849.81	55 5N	24 23E	77.7	191.3	2.037	-16.10	50.9	SO409	.07180	9.3591	0.6	A
9022	34961.21	47 5N	21 56E	75.1	189.6	2.390	-8.75	57.9	SO409	.07180	9.6479	0.6	F
9023	34966.61	47 5N	21 56E	75.0	189.5	2.530	-8.05	57.9	SO409	.07180	9.6809	0.6	A
9024	34974.61	46 11N	21 20E	77.8	189.4	2.390	-18.55	58.5	SO409	.07180	9.3096	0.4	F
9025	34977.41	46 11N	21 20E	76.7	189.4	2.390	-18.20	58.5	SO409	.07180	9.5737	0.4	V
9026	34984.21	45 41N	21 37E	73.8	189.3	2.530	-4.90	59.1	SO409	.07180	9.9450	0.4	V
9027	34987.01	45 40N	21 37E	74.7	189.3	2.530	-4.55	59.1	SO409	.07180	9.7222	0.4	A
9028	34995.61	44 47N	20 29E	85.3	189.2	2.037	-30.80	59.5	SO409	.05390	8.4678	0.4	F
9029	34998.61	44 47N	20 29E	84.0	189.2	2.037	-30.45	59.5	SO409	.05390	8.7318	0.4	V
9030	35001.81	44 47N	20 29E	84.7	189.1	2.390	-30.45	59.5	SO409	.05390	8.5915	0.4	A
9031	35016.81	43 20N	21 57E	83.9	189.0	2.390	25.90	61.3	SO409	.05390	8.7484	0.6	V
9032	35019.81	43 20N	21 57E	85.3	188.9	2.181	26.60	61.3	SO409	.05390	8.4925	0.6	A
9033	35033.41	42 2N	21 22E	80.6	188.8	2.530	19.60	62.3	SO409	.05390	9.0372	0.4	F
9034	35036.21	42 2N	21 22E	79.9	188.8	2.530	19.95	62.3	SO409	.05390	8.9203	0.4	V
9035	35048.21	41 8N	20 7E	76.1	188.7	2.530	-13.65	62.6	SO409	.07160	9.5159	0.4	F
9036	35051.01	41 8N	20 7E	75.1	188.6	2.530	-13.30	62.6	SO409	.07180	9.7635	0.4	V
9037	35061.01	40 21N	20 42E	76.3	188.6	2.530	13.30	63.5	SO409	.07180	9.6232	0.4	V
9038	35063.81	40 21N	20 41E	77.4	188.5	2.530	13.65	63.5	SO409	.07180	9.3591	0.4	A
1818 9001	40308.01	44 24N	1 15W	77.4	189.1	2.390	-17.50	60.0	SO409	.07180	9.3591	1.0	F
9002	40313.61	44 24N	1 14W	76.9	189.1	2.530	-16.45	60.0	SO409	.07180	9.4416	1.0	A
1820 9001	51489.01	5 11N	52 39W	89.9	186.5	3.232	17.15	67.5	SO409	.05390	8.0799	0.8	F
9002	51492.21	5 11N	52 38W	89.4	186.5	3.232	17.85	67.5	SO409	.05390	8.1706	0.8	V
9003	51496.01	5 9N	52 37W	91.6	186.5	2.881	19.60	67.5	SO409	.05390	7.8405	0.6	A
9004	51907.81	22 48S	59 0W	112.2	187.1	3.439	-25.90	43.7	SO409	.05390	6.3715	1.0	A
9005	51928.01	24 44S	59 12W	109.8	187.2	3.232	-21.00	42.0	SO409	.05390	6.4870	0.8	F
9006	51936.61	25 18S	59 42W	118.6	187.2	3.092	-30.45	41.3	SO409	.05390	6.0001	1.0	F
9007	51948.41	25 22S	60 25W	139.9	187.2	3.232	-43.40	40.9	SO409	.04070	5.1088	1.0	A
9008	51983.61	28 30S	60 4W	114.2	187.4	3.092	-22.40	38.5	SO409	.05390	6.2394	1.2	F
9009	51993.81	29 14S	59 44W	108.8	187.4	3.092	-9.45	38.0	SO409	.05390	6.5531	0.8	F
9010	52000.61	29 9S	59 41W	109.0	187.5	3.232	-7.70	38.1	SO409	.05390	6.5200	1.0	A
9011	52028.61	30 55S	60 53W	121.5	187.6	3.232	-27.65	36.1	SO409	.05390	5.8681	1.0	A
9012	52063.61	33 53S	61 33W	123.5	187.8	2.881	-27.30	33.3	SO409	.05390	5.7443	0.6	F
9013	52066.81	33 48S	61 31W	121.8	187.9	3.092	-26.95	33.4	SO409	.05390	5.9093	0.6	V
9014	52076.01	34 34S	60 24W	112.5	187.9	2.738	4.55	33.2	SO409	.05390	6.3880	1.2	V
9015	52083.61	34 51S	59 38W	127.0	188.0	2.181	24.15	33.3	SO409	.05390	5.5544	1.4	A
9016	52096.81	35 35S	61 23W	116.2	188.0	3.092	-13.65	32.0	SO409	.05390	6.1074	1.2	A
9017	52131.01	38 14S	61 27W	114.7	188.3	2.738	0.00	29.7	SO409	.05390	6.2559	0.8	V
9018	52136.81	38 51S	62 5W	117.7	188.3	2.881	-11.55	28.9	SO409	.07180	6.0331	1.0	F
9019	52141.01	38 51S	62 5W	116.5	188.4	2.881	-11.20	28.9	SO409	.07180	6.1569	1.0	V
9020	52165.21	40 44S	62 57W	123.1	188.6	2.738	-19.25	27.0	SO409	.05390	5.7608	1.4	F
1821 9001	56714.01	10 59N	74 0W	81.6	186.6	3.232	7.35	70.4	SO409	.05390	8.9712	0.8	V
9002	56983.21	7 5S	78 29W	109.9	186.6	3.439	-37.45	57.2	SO409	.03070	6.5696	1.4	A
9003	57043.41	12 2S	77 0W	122.0	186.7	2.390	36.05	54.4	SO409	.04070	5.9258	0.4	F
9004	57047.61	12 1S	77 8W	116.4	186.7	2.390	33.25	54.4	SO409	.05390	6.2394	0.6	V
9005	57052.01	12 1S	77 8W	118.8	186.7	2.181	33.95	54.4	SO409	.05390	6.0001	0.6	A
1823 9001	67004.41	32 43N	113 57W	76.4	187.8	3.092	6.65	68.5	SO409	.05390	9.5076	0.6	F
9002	67009.81	32 44N	113 57W	76.8	187.7	2.881	8.05	68.5	SO409	.05390	9.4334	0.8	A
1828 9001	6875.01	51 46N	141 41E	87.3	190.6	2.037	29.40	54.0	SO409	.05390	8.4182	0.6	V
9002	6878.21	51 46N	141 42E	88.7	190.5	1.826	30.10	54.0	SO409	.05390	8.1706	1.0	A
9003	6912.81	49 3N	140 15E	80.2	190.0	2.390	18.55	56.3	SO409	.07180	9.0702	0.8	F
9004	6915.81	49 2N	140 15E	79.4	190.0	2.390	18.90	56.3	SO409	.07180	9.2518	0.8	V
9005	6919.01	49 1N	140 15E	80.7	189.9	2.181	19.60	56.3	SO409	.07180	8.9959	0.6	A
9006	7124.01	34 41N	135 30E	75.3	187.9	2.881	-7.70	67.0	SO409	.07180	9.6397	1.4	F
9007	7130.01	34 39N	135 28E	75.4	187.9	2.881	-8.05	67.0	SO409	.07180	9.6314	1.2	A
1829 9001	12212.20	50 8N	116 41E	84.2	190.2	2.037	-30.80	54.9	SO409	.07180	8.7236	0.8	V

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1829 9002	12215.20	50 8N	116 41E	84.8	190.1	2.037	-30.45	54.9	SO409	.05390	8.5750	0.8	A
9003	12336.20	41 41N	115 41E	77.0	188.7	2.530	13.65	62.3	SO409	.07180	9.4168	0.4	A
9004	12342.00	41 4N	115 48E	80.7	188.7	2.530	22.05	62.9	SO409	.05390	9.1115	0.4	V
9005	12349.00	40 17N	116 10E	95.4	188.6	2.390	35.70	63.7	SO409	.04070	7.6425	0.6	F
9006	12350.20	40 12N	116 8E	95.5	188.6	2.390	35.70	63.8	SO409	.04070	7.6342	1.2	F
9007	12356.00	40 17N	116 9E	96.2	188.5	2.181	36.40	63.7	SO409	.04070	7.5269	0.8	A
9008	12358.00	40 8N	116 7E	96.2	188.5	2.181	36.40	63.8	SO409	.05390	7.5187	0.4	A
9009	12363.00	39 49N	115 36E	84.7	188.5	2.390	26.25	63.9	SO409	.05390	8.5420	0.6	A
9010	12366.00	39 24N	115 32E	85.0	188.4	2.390	26.95	64.2	SO409	.04070	8.6411	0.4	V
9011	12369.20	39 24N	115 32E	86.3	188.4	2.390	27.30	64.2	SO409	.04070	8.3770	0.4	A
9012	12373.40	38 54N	115 20E	83.4	188.4	2.390	24.85	64.6	SO409	.04070	8.8144	0.8	V
9013	12384.40	38 3N	114 23E	74.8	188.3	2.881	0.00	64.8	SO409	.07180	9.7057	0.4	F
9014	12389.60	38 4N	114 23E	75.0	188.3	2.881	1.05	64.9	SO409	.07180	9.6809	0.4	A
9015	12405.00	36 42N	113 23E	79.7	188.1	2.738	-23.80	65.4	SO409	.07180	9.0785	0.8	F
9016	12410.60	36 42N	113 23E	79.4	188.1	2.738	-23.10	65.5	SO409	.07180	9.1010	1.0	A
9017	12434.60	34 41N	112 20E	94.8	187.9	2.181	-39.55	66.4	SO409	.04070	7.5929	1.0	F
9018	12437.80	34 42N	112 20E	93.5	187.9	2.390	-39.55	66.4	SO409	.04070	7.8405	1.2	V
9019	12442.80	34 34N	112 28E	89.9	187.9	2.390	-35.35	66.6	SO409	.05390	8.1046	0.4	A
9020	12451.60	33 30N	112 30E	83.9	187.8	2.530	-28.70	67.4	SO409	.05390	8.6081	0.4	F
9021	12454.40	33 30N	112 30E	82.8	187.8	2.738	-28.70	67.4	SO409	.05390	8.8721	0.4	V
9022	12461.00	33 1N	112 40E	77.8	187.8	2.881	-19.60	67.8	SO409	.05390	9.4334	0.4	V
9023	12468.00	32 43N	112 48E	76.3	187.7	3.092	-11.90	68.1	SO409	.05390	9.5241	0.4	A
9024	12475.00	32 6N	112 8E	83.6	187.7	2.736	-30.45	68.1	SO409	.05390	8.7814	0.4	V
9025	12478.20	32 5N	112 8E	84.3	187.7	2.738	-30.10	68.1	SO409	.05390	8.8328	0.4	A
9026	12487.60	31 1N	112 4E	82.1	187.6	2.738	-25.55	68.8	SO409	.04070	8.8061	0.6	F
9027	12490.80	31 0N	112 4E	81.0	187.6	2.738	-25.20	68.8	SO409	.04070	9.0620	0.6	V
9028	12496.80	30 21N	112 14E	77.5	187.6	3.092	-15.40	69.3	SO409	.05390	9.3426	0.6	F
9029	12499.60	30 21N	112 14E	76.5	187.5	3.092	-15.05	69.3	SO409	.05390	9.5902	0.6	V
9030	12520.80	28 54N	111 56E	76.7	187.4	3.092	-14.70	70.0	SO409	.05390	9.5737	0.4	V
9031	12526.00	28 43N	111 58E	77.0	187.4	3.092	-12.60	70.1	SO409	.05390	9.4251	0.4	A
9032	12534.60	27 47N	111 16E	85.8	187.4	2.738	-30.10	70.2	SO409	.05390	8.4182	0.4	F
9033	12537.60	27 47N	111 16E	84.6	187.4	2.738	-29.75	70.2	SO409	.05390	8.6658	0.4	V
9034	12544.40	27 15N	111 43E	75.9	187.3	3.092	-9.80	70.8	SO409	.05390	9.6727	0.4	V
9035	12547.20	27 15N	111 43E	76.7	187.3	3.092	-9.45	70.8	SO409	.05390	9.4581	0.4	A
9036	12555.00	26 22N	111 11E	81.8	187.3	2.881	-23.80	70.8	SO409	.05390	8.8226	0.4	F
9037	12579.00	25 14N	110 20E	98.9	187.2	2.738	-41.30	70.7	SO409	.04070	7.3618	1.0	A
9038	12598.20	23 31N	111 19E	77.0	187.1	3.232	4.20	72.2	SO409	.07180	9.5324	0.4	V
9039	12601.00	23 31N	111 20E	78.0	187.1	3.232	4.90	72.2	SO409	.07180	9.2683	0.4	A
9040	12628.60	21 17N	110 26E	79.5	187.0	3.232	-15.05	72.1	SO409	.07180	9.0950	1.6	F
9041	12634.40	21 16N	110 26E	79.4	187.0	3.232	-14.00	72.1	SO409	.07180	9.1240	1.2	A
9042	12649.00	20 3N	110 17E	78.1	186.9	3.232	-11.20	72.2	SO409	.05390	9.3756	0.8	V
9043	12652.20	20 2N	110 17E	79.0	186.9	3.439	-10.85	72.2	SO409	.05390	9.1693	0.6	A
9044	12664.20	18 51N	109 32E	88.4	186.9	2.881	-30.45	71.7	SO409	.05390	8.1459	0.6	F
9045	12672.00	18 19N	109 28E	88.3	186.9	3.092	-29.75	71.6	SO409	.04070	8.1624	0.6	F
9046	12675.20	18 18N	109 28E	86.9	186.9	3.092	-29.05	71.7	SO409	.04070	8.4265	0.6	V
9047	12678.40	18 18N	109 28E	87.7	186.9	3.092	-28.70	71.7	SO409	.04070	8.2779	0.6	A
9048	12785.20	10 58N	108 6E	91.7	186.6	3.232	-29.75	69.6	SO409	.05390	7.8983	0.6	A
1830 9001	17816.80	29 40N	91 5E	84.5	187.5	2.530	27.30	70.5	SO409	.05390	8.6988	0.4	V
9002	17820.00	29 39N	91 5E	85.9	187.5	2.530	27.65	70.5	SO409	.05390	8.4182	0.4	A
9003	17854.40	27 30N	88 53E	89.5	187.3	2.881	-36.05	70.1	SO409	.05390	8.1376	0.4	A
9004	18801.80	37 51S	77 33E	116.2	188.2	2.738	1.05	30.2	SO409	.05390	6.1156	0.4	F
9005	18806.00	37 51S	77 33E	115.3	188.2	2.738	1.40	30.2	SO409	.05390	6.2229	0.4	V
1831 9001	22544.40	69 14N	81 28E	98.0	198.5	0.636	-37.45	37.5	SO409	.05390	7.3701	0.4	F
9002	22551.40	69 14N	81 29E	97.4	198.1	0.995	-37.45	37.5	SO409	.05390	7.4526	0.4	A
9003	22873.40	46 54N	71 53E	78.4	189.6	2.181	-20.30	57.7	SO409	.05390	9.2270	0.6	F
9004	22882.80	46 12N	72 23E	74.6	189.4	2.530	1.05	58.5	SO409	.05390	9.7387	0.4	F
9005	22885.40	46 12N	72 23E	73.8	189.4	2.530	1.40	58.5	SO409	.05390	9.9615	0.4	V
9006	22888.00	46 12N	72 23E	74.7	189.4	2.530	1.75	58.5	SO409	.05390	9.7305	0.4	A
9007	22893.00	45 38N	72 34E	76.2	189.3	2.530	12.25	59.1	SO409	.07180	9.6562	0.4	V
9008	22895.80	45 38N	72 34E	77.2	189.3	2.530	12.60	59.1	SO409	.07180	9.4003	0.6	A
9009	22926.60	43 17N	70 27E	85.8	189.0	2.181	-31.85	60.5	SO409	.05390	8.4100	2.0	F
9010	22932.60	43 17N	70 31E	83.9	188.9	2.390	-29.75	60.5	SO409	.05390	8.6741	1.4	A
9011	22959.20	41 2N	70 11E	79.8	188.7	2.390	-23.80	62.3	SO409	.05390	9.0702	1.0	F
9012	22964.80	41 2N	70 11E	79.3	188.6	2.530	-23.10	62.3	SO409	.05390	9.1610	1.0	A
9013	22973.80	40 15N	69 41E	84.9	188.5	2.390	-31.85	62.8	SO409	.04070	8.6493	0.4	V
9014	22976.80	40 16N	69 41E	85.6	188.5	2.390	-31.50	62.8	SO409	.04070	8.5090	0.4	A
1832 5001	27992.80	59 27N	56 46E	88.5	193.0	1.826	28.70	47.0	SO130	.02210	8.2374	1.0	F
5002	27999.20	59 27N	56 46E	89.1	192.8	1.690	29.40	47.0	SO130	.02210	8.1466	1.2	A
5003	28099.00	52 50N	52 14E	75.2	190.7	2.181	-5.60	52.7	SO130	.03080	9.6736	0.8	A
9001	27914.20	65 14N	57 17E	84.4	195.6	1.135	-26.60	41.3	SO409	.07180	8.6988	0.8	V
9002	27917.20	65 15N	57 19E	84.9	195.5	1.338	-26.25	41.3	SO409	.07180	8.5503	1.0	A
9003	27970.00	61 19N	56 37E	75.9	193.6	1.826	5.60	45.1	SO409	.07180	9.6727	0.6	V
9004	27972.80	61 19N	56 37E	76.9	193.6	1.826	5.95	45.1	SO409	.07180	9.4416	0.6	A
9005	27992.20	59 29N	56 47E	88.6	193.0	1.826	28.70	46.9	SO409	.07180	8.2367	1.6	F
9006	27999.20	59 26N	56 46E	89.0	192.8	1.690	29.40	47.0	SO409	.07180	8.1459	0.8	A
9007	28012.80	58 8N	55 51E	85.2	192.5	2.037	24.85	48.2	SO409	.07180	8.5420	1.4	F
9008	28017.20	58 2N	55 54E	85.9	192.4	1.826	27.30	48.3	SO409	.07180	8.5585	1.0	V
9009	28020.40	58 1N	55 55E	87.2	192.3	1.826	27.65	48.3	SO409	.07180	8.3109	0.8	A
9010	28023.60	57 49N	55 46E	86.5	192.2	1.826	26.95	48.5	SO409	.07180	8.3852	1.0	A
9011	28037.80	56 53N	53 10E	79.6	191.9	1.826	-22.05	49.0	SO409	.07180	9.2353	0.4	V
9012	28040.80	56 52N	53 10E	80.3	191.9	1.826	-21.70	49.0	SO409	.07180	9.0620	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1832 9013	28063.20	54 57N	52 24E	80.4	191.4	1.826	-22.05	50.7	S0409	.07180	8.9959	1.4	F
9014	28069.20	54 57N	52 20E	80.7	191.3	2.037	-23.10	50.7	S0409	.07180	9.0042	1.2	A
9015	28110.00	51 40N	52 18E	76.0	190.6	2.390	7.70	53.9	S0409	.07180	9.5571	0.8	F
9016	28115.40	51 40N	52 19E	76.2	190.5	2.181	8.75	53.9	S0409	.07180	9.5241	0.8	A
9017	28160.80	48 33N	49 44E	86.4	189.8	2.037	-32.90	56.2	S0409	.05390	8.4925	0.8	V
9018	28164.00	48 32N	49 44E	87.1	189.8	2.037	-32.55	56.2	S0409	.05390	8.3605	0.8	A
9019	28213.40	44 34N	50 16E	78.9	189.2	2.530	16.10	60.0	S0409	.07180	9.2270	1.2	F
9020	28219.20	44 33N	50 19E	80.0	189.1	2.390	18.55	60.0	S0409	.05390	9.0455	1.4	A
9021	28245.80	42 46N	47 40E	98.8	188.9	1.826	-43.05	60.7	S0409	.03070	7.4444	0.6	V
9022	28249.40	42 46N	47 41E	99.1	188.8	2.037	-42.70	60.7	S0409	.03070	7.3453	0.6	A
9023	28272.20	40 54N	47 49E	83.0	188.6	2.390	-29.75	62.3	S0409	.05390	8.8391	0.6	V
9024	28275.20	40 54N	47 49E	83.7	188.6	2.390	-29.40	62.3	S0409	.05390	8.6906	0.6	A
9025	28963.60	6 55S	39 2E	93.5	186.6	3.587	-14.70	58.0	S0409	.05390	7.6837	1.2	F
9026	28970.40	6 55S	39 2E	93.6	186.6	3.587	-13.65	58.0	S0409	.05390	7.6672	1.2	A
1833 5001	33495.60	46 26N	29 2E	83.1	189.5	2.181	24.85	58.5	S0130	.02210	8.8400	0.4	V
9001	33172.20	68 6N	39 32E	78.4	197.8	1.338	6.65	38.7	S0409	.07180	9.2435	1.0	F
9002	33177.80	68 6N	39 32E	78.4	197.5	1.338	7.00	38.7	S0409	.07180	9.2518	1.0	A
9003	33222.00	65 11N	37 3E	77.6	195.5	1.484	6.30	41.5	S0409	.07180	9.3508	0.6	A
9004	33270.80	61 47N	34 28E	75.4	193.8	1.690	-0.70	44.6	S0409	.07180	9.7387	0.4	V
9005	33273.60	61 47N	34 28E	76.2	193.8	1.690	-0.35	44.7	S0409	.07180	9.5241	0.4	A
9006	33286.00	61 5N	32 56E	82.0	193.4	1.690	-23.45	45.2	S0409	.07180	8.8639	0.4	A
9007	33294.60	60 6N	32 19E	83.8	193.2	1.484	-26.25	46.1	S0409	.07180	8.8411	0.6	F
9008	33297.40	60 7N	32 19E	82.6	193.1	1.484	-25.90	46.0	S0409	.07180	8.8969	0.6	V
9009	33302.60	59 58N	32 20E	82.2	192.9	1.690	-24.15	46.2	S0409	.07180	8.8391	0.4	A
9010	33318.00	58 52N	32 14E	77.9	192.5	1.826	-15.40	47.3	S0409	.07180	9.3261	0.4	A
9011	33331.00	58 0N	31 41E	79.1	192.2	1.826	-18.90	48.0	S0409	.07180	9.1775	0.6	A
9012	33350.20	56 26N	31 37E	74.5	191.8	2.037	-4.55	49.5	S0409	.07180	9.8543	0.6	V
9013	33353.00	56 26N	31 37E	75.4	191.8	2.037	-4.20	49.5	S0409	.07180	9.6397	0.6	A
9014	33360.00	55 36N	31 18E	75.4	191.6	2.037	-3.85	50.3	S0409	.07180	9.6232	0.4	F
9015	33369.00	54 51N	32 3E	82.6	191.4	2.181	22.05	51.1	S0409	.07180	8.8226	0.8	F
9016	33374.80	54 51N	32 3E	82.9	191.3	2.037	22.75	51.1	S0409	.07180	8.7401	0.8	A
9017	33377.40	54 41N	31 59E	83.0	191.3	2.037	22.75	51.3	S0409	.07180	8.7401	0.4	A
9018	33384.60	53 45N	31 51E	86.8	191.1	2.037	27.65	52.2	S0409	.05390	8.3935	0.4	F
9019	33387.60	53 45N	31 50E	85.7	191.1	2.037	27.65	52.2	S0409	.07180	8.5750	0.4	V
9020	33395.40	53 30N	31 1E	77.3	190.9	2.181	11.55	52.3	S0409	.07180	9.3838	0.6	A
9021	33402.80	52 29N	31 34E	91.3	190.8	2.037	32.20	53.3	S0409	.05390	7.9891	0.6	F
9022	33406.00	52 29N	31 33E	90.3	190.8	1.826	32.55	53.3	S0409	.05390	8.1211	0.6	V
9023	33423.40	51 25N	30 7E	75.3	190.5	2.181	8.40	54.1	S0409	.07180	9.7552	0.8	V
9024	33432.60	50 30N	30 30E	85.5	190.3	2.181	26.25	55.0	S0409	.07180	8.5090	0.8	F
9025	33436.00	50 29N	30 30E	84.7	190.3	2.181	26.60	55.1	S0409	.05390	8.6658	0.4	V
9026	33438.80	50 30N	30 31E	86.0	190.2	2.181	26.95	55.0	S0409	.07180	8.4017	0.4	A
9027	33442.00	50 17N	30 21E	84.5	190.2	2.181	25.20	55.2	S0409	.05390	8.5585	0.4	A
9028	33459.80	49 7N	27 43E	88.0	189.9	1.826	-34.65	55.7	S0409	.05390	8.3522	0.4	V
9029	33463.00	49 7N	27 44E	88.5	189.9	2.037	-34.30	55.7	S0409	.05390	8.2202	0.4	A
9030	33483.80	47 7N	28 44E	76.6	189.6	2.530	10.15	57.8	S0409	.09620	9.4911	0.8	F
9031	33489.20	47 7N	28 45E	76.9	189.6	2.390	11.20	57.8	S0409	.07180	9.4334	0.8	A
9032	33501.40	45 58N	29 23E	94.5	189.4	2.037	36.05	59.0	S0409	.05390	7.7910	0.6	V
9033	33504.80	45 59N	29 23E	95.8	189.4	1.826	36.40	59.0	S0409	.05390	7.5352	0.8	A
9034	33545.20	43 16N	26 1E	89.7	188.9	2.037	-36.40	60.4	S0409	.05390	8.1789	0.6	V
9035	33548.40	43 16N	26 1E	90.4	188.9	2.037	-36.05	60.4	S0409	.05390	8.0551	0.6	A
1834 9001	38810.80	45 48N	5 29E	75.9	189.4	2.390	-12.95	58.7	S0409	.07180	9.5489	1.0	F
9002	38816.20	45 48N	5 29E	75.8	189.3	2.390	-12.25	58.7	S0409	.07180	9.5984	1.0	A
9003	38832.00	44 22N	4 44E	79.9	189.1	2.390	-23.10	59.7	S0409	.05390	8.0620	0.8	F
9004	38837.60	44 23N	4 45E	79.4	189.1	2.530	-22.40	59.7	S0409	.07180	9.1527	1.0	A
9005	38850.20	43 9N	5 56E	83.2	188.9	2.390	24.85	61.2	S0409	.07180	8.8309	0.8	V
9006	38853.40	43 8N	5 56E	84.6	188.9	2.181	25.55	61.2	S0409	.07180	8.5668	0.6	A
9007	38945.00	36 47N	3 4E	76.1	188.1	2.738	-15.40	65.5	S0409	.07180	9.6562	0.6	V
9008	38947.80	36 47N	3 4E	76.9	188.1	2.738	-15.05	65.5	S0409	.07180	9.4581	0.6	A
9009	38957.60	35 41N	3 15E	74.7	188.0	2.881	0.35	66.4	S0409	.07180	9.7305	0.6	F
9010	38963.00	35 41N	3 16E	74.8	188.0	2.881	1.40	66.4	S0409	.07180	9.6974	0.6	A
1836 9001	50301.00	14 15S	49 9W	123.2	186.7	2.037	35.70	52.7	S0409	.04070	5.7525	1.0	A
9002	50329.60	15 52S	52 14W	131.9	186.8	3.232	-44.45	49.7	S0409	.04070	5.4554	0.8	A
9003	50403.60	21 13S	58 39W	119.6	187.0	2.181	28.70	46.3	S0409	.05390	5.9258	1.2	A
9004	50432.40	23 3S	62 29W	105.9	187.1	3.439	-15.05	43.9	S0409	.05390	6.7346	1.2	A
9005	50441.60	24 10S	63 2W	112.1	187.1	3.232	-24.85	42.7	S0409	.05390	6.3715	1.2	F
9006	50456.00	25 21S	61 31W	117.9	187.2	2.530	24.50	42.4	S0409	.05390	6.0744	0.8	F
9007	50469.20	25 30S	63 10W	110.4	187.2	3.439	-20.30	41.5	S0409	.05390	6.4623	1.2	A
9008	50477.80	26 10S	62 41W	105.9	187.3	3.232	-2.45	41.2	S0409	.05390	6.7099	1.0	A
9009	50491.20	27 8S	62 3W	116.7	187.3	2.390	21.00	40.7	S0409	.05390	6.0661	1.0	A
9010	50504.40	28 16S	62 49W	107.5	187.4	2.881	5.95	39.4	S0409	.05390	6.6934	1.2	V
9011	50524.80	29 26S	61 57W	133.1	187.5	1.826	32.55	38.8	S0409	.04070	5.3069	1.2	A
9012	50599.40	34 48S	56 1W	135.1	187.9	2.738	-35.35	32.6	S0409	.05390	5.2491	1.4	F
9013	50607.40	34 50S	55 5W	116.3	188.0	3.092	-15.05	32.9	S0409	.04070	6.0991	1.0	A
9014	50847.00	51 24S	59 51W	129.0	190.4	2.390	-12.60	17.1	S0409	.07180	5.4637	9.2	F
9015	50860.40	51 38S	60 7W	131.0	190.6	2.390	-14.70	16.9	S0409	.07180	5.3646	8.2	A
1837 5001	55340.00	3 36N	69 48W	89.2	186.5	3.439	-20.65	65.8	S0130	.02210	8.0723	1.0	F
5002	55349.80	2 52N	69 20W	86.0	186.5	3.439	2.80	65.8	S0130	.02210	8.4025	1.2	F
9001	55238.80	10 30N	67 59W	82.3	186.6	3.439	2.80	70.3	S0409	.07180	8.7979	0.6	F

Handle via BYEMAN Channels BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1837 9002	55241.80	10 30N	67 60W	81.6	186.6	3.439	3.15	70.3	SO409	.07180	8.9629	1.0	V
9003	55245.20	10 28N	67 60W	82.8	186.6	3.439	3.85	70.3	SO409	.07180	8.6988	0.6	A
9004	55254.20	9 42N	68 34W	82.8	186.6	3.439	-14.35	69.5	SO409	.05390	8.8226	1.4	V
9005	55263.80	9 19N	69 5W	93.0	186.6	3.439	-30.45	68.9	SO409	.05390	7.7828	1.4	A
9006	55277.60	7 52N	68 46W	83.6	186.6	3.439	-10.15	68.6	SO409	.05390	8.6328	0.6	F
9007	55283.80	7 52N	68 53W	84.7	186.6	3.587	-14.00	68.6	SO409	.05390	8.5255	1.4	A
9008	55340.00	3 36N	69 48W	89.2	186.5	3.439	-20.65	65.8	SO409	.05390	8.0716	1.0	F
9009	55349.80	2 52N	69 20W	86.1	186.5	3.439	2.80	65.8	SO409	.05390	8.4017	1.0	F
9010	55362.40	2 17W	70 4W	89.6	186.5	3.439	-21.70	64.9	SO409	.05390	8.1376	1.0	V
9011	55414.40	1 8S	69 60W	89.1	186.5	3.439	4.90	63.0	SO409	.05390	8.0468	1.0	A
9012	55665.80	17 40S	71 21W	145.5	186.8	1.484	44.45	49.9	SO409	.03070	4.8694	0.8	A
1838 9001	60448.40	17 13N	89 1W	78.4	186.8	3.232	-2.80	72.2	SO409	.05390	9.3426	0.6	V
9002	60451.40	17 13N	89 2W	79.4	186.8	3.439	-2.80	72.2	SO409	.05390	9.1032	0.6	A
9003	60466.80	16 17N	90 1W	92.3	186.8	3.232	-33.25	71.3	SO409	.05390	7.8853	1.4	A
1839 9001	65503.80	34 6N	107 37W	74.1	187.9	2.881	0.35	67.4	SO409	.05390	9.8047	0.6	F
9002	65509.20	34 5N	107 37W	74.3	187.8	2.881	1.40	67.4	SO409	.05390	9.7635	0.6	A
1844 9001	6313.59	12 14S	133 21E	96.3	186.7	3.439	4.90	54.0	SO409	.05390	7.4774	1.2	F
9002	6317.19	12 15S	133 20E	95.5	186.7	3.232	5.60	54.0	SO409	.05390	7.6012	1.0	V
1845 9001	10757.99	47 21N	123 58E	82.0	189.6	2.390	23.10	57.5	SO409	.07180	8.9712	0.4	V
9002	10760.99	47 21N	123 59E	83.3	189.6	2.181	23.80	57.5	SO409	.05390	8.7071	0.4	A
9003	10776.79	46 0N	122 32E	74.8	189.4	2.530	-7.70	58.4	SO409	.07180	9.6974	0.4	F
9004	10781.99	46 1N	122 32E	74.8	189.4	2.530	-7.00	58.4	SO409	.07180	9.7222	0.6	A
9005	10840.99	41 40N	120 22E	90.0	188.7	2.037	-35.70	61.5	SO409	.04070	8.0303	0.6	F
9006	10844.19	41 40N	120 22E	88.6	188.7	2.037	-35.35	61.5	SO409	.04070	8.2862	0.6	V
9007	10854.19	40 43N	120 53E	76.3	188.6	2.738	-14.35	62.5	SO409	.07180	9.5076	0.8	F
9008	10859.59	40 43N	120 53E	76.1	188.6	2.738	-13.65	62.5	SO409	.07180	9.5571	0.8	A
9009	10865.99	40 20N	120 22E	82.0	188.5	2.530	-26.60	62.6	SO409	.05390	8.8969	1.0	A
9010	10880.39	38 49N	121 19E	79.5	188.4	2.738	16.80	64.3	SO409	.07180	9.1693	0.4	F
9011	10885.99	38 49N	121 18E	79.7	188.3	2.530	17.50	64.3	SO409	.07180	9.0785	0.4	A
9012	10896.19	37 43N	121 7E	81.0	188.3	2.738	19.60	65.1	SO409	.05390	8.9959	0.4	F
9013	10901.99	37 43N	121 7E	81.6	188.2	2.530	20.65	65.2	SO409	.05390	8.8887	0.4	A
9014	10916.99	36 40N	119 7E	90.4	188.1	2.390	-37.10	65.0	SO409	.04070	8.1046	0.4	V
9015	10920.39	36 40N	119 7E	91.2	188.1	2.390	-36.75	65.0	SO409	.04070	7.9891	0.4	A
9016	10941.19	34 45N	119 26E	75.9	187.9	2.881	-15.40	66.7	SO409	.07180	9.5571	0.6	F
9017	10949.59	34 37N	118 56E	84.6	187.9	2.738	-29.75	66.5	SO409	.05390	8.6081	0.6	A
9018	10983.39	32 18N	118 19E	87.9	187.7	2.738	-33.25	67.8	SO409	.04070	8.2862	0.6	A
9019	10990.59	31 22N	118 22E	82.8	187.6	2.738	-26.60	68.4	SO409	.07180	8.7401	0.4	F
9020	10993.59	31 22N	118 21E	81.6	187.6	2.738	-26.25	68.5	SO409	.07180	8.9959	0.4	V
9021	10997.19	31 7N	118 12E	83.9	187.6	2.738	-29.40	68.5	SO409	.05390	8.7566	0.4	V
9022	11000.19	31 8N	118 12E	84.6	187.6	2.738	-29.05	68.5	SO409	.05390	8.5498	0.6	A
9023	11005.19	30 22N	117 56E	88.3	187.6	2.530	-33.25	68.8	SO409	.05390	8.1706	0.4	F
9024	11008.19	30 23N	117 56E	87.0	187.5	2.530	-32.90	68.8	SO409	.05390	8.4182	0.8	V
9025	11011.79	30 21N	117 55E	87.9	187.5	2.738	-32.90	68.8	SO409	.05390	8.2862	0.4	A
9026	11015.79	29 52N	117 41E	91.0	187.5	2.530	-36.75	69.0	SO409	.05390	8.0799	0.6	V
9027	11019.19	29 52N	117 41E	91.5	187.5	2.738	-36.40	69.0	SO409	.05390	7.9561	0.6	A
9028	11032.39	28 29N	117 49E	82.3	187.4	2.881	-25.20	69.9	SO409	.05390	8.7814	0.4	F
9029	11035.39	28 29N	117 48E	81.2	187.4	2.881	-24.85	69.9	SO409	.05390	9.0372	0.4	V
9030	11045.79	27 43N	118 0E	76.4	187.4	3.092	-12.25	70.5	SO409	.05390	9.6149	0.6	V
9031	11054.59	27 10N	117 25E	83.5	187.3	2.881	-29.05	70.3	SO409	.05390	8.7814	0.6	V
9032	11061.99	26 25N	117 49E	77.0	187.3	3.092	-9.80	71.0	SO409	.05390	9.4168	0.6	F
9033	11067.39	26 25N	117 49E	76.9	187.3	3.232	-8.75	71.0	SO409	.05390	9.4334	0.6	A
9034	11074.19	25 56N	117 54E	76.4	187.2	3.232	-1.40	71.3	SO409	.05390	9.4994	0.4	A
9035	11080.39	25 28N	118 8E	78.7	187.2	3.092	11.55	71.7	SO409	.05390	9.1940	0.4	A
9036	11085.39	24 41N	118 17E	85.0	187.2	2.881	22.05	72.2	SO409	.05390	8.5750	0.6	F
9037	11090.39	24 47N	118 5E	80.9	187.2	3.092	14.70	72.0	SO409	.05390	8.9382	0.8	A
9038	11099.79	24 10N	117 34E	77.2	187.1	3.232	-0.70	71.9	SO409	.05390	9.3921	0.4	A
9039	11112.19	23 25N	116 44E	84.7	187.1	3.092	-26.95	71.4	SO409	.05390	8.5750	0.6	A
9040	11279.19	11 29N	114 25E	92.9	186.7	3.092	-31.50	69.9	SO409	.05390	7.7580	1.0	F
9041	11282.59	11 28N	114 24E	91.7	186.7	3.092	-31.15	69.9	SO409	.05390	7.9808	0.8	V
9042	11286.39	11 27N	114 20E	94.2	186.6	3.092	-32.55	69.9	SO409	.05390	7.7085	0.4	A
9043	11292.59	10 45N	114 32E	85.8	186.6	3.232	-22.40	69.9	SO409	.05390	8.5255	0.8	V
9044	11295.79	10 45N	114 32E	86.8	186.6	3.439	-22.40	69.9	SO409	.05390	8.3440	0.8	A
1846 5001	16210.19	37 32N	97 22E	85.6	188.2	2.390	-33.60	64.5	SO130	.01660	8.4520	0.8	F
5002	16216.39	37 31N	97 23E	85.0	188.2	2.530	-32.90	64.5	SO130	.01660	8.5758	1.0	A
5003	16353.19	27 27N	97 11E	96.3	187.4	2.530	35.00	71.6	SO130	.01660	7.5936	0.8	F
5004	16359.59	26 57N	97 20E	105.4	187.3	2.390	41.30	72.0	SO130	.01660	6.9250	2.2	F
5005	16362.99	26 43N	97 17E	105.3	187.3	2.390	41.30	72.1	SO130	.01660	6.9415	0.8	F
5006	16366.99	26 27N	97 14E	105.7	187.3	2.390	41.30	72.2	SO130	.01660	6.9085	0.8	F
5007	16369.39	26 17N	97 12E	105.8	187.3	2.390	41.30	72.2	SO130	.01660	6.9085	0.8	F
5008	16370.99	26 10N	97 10E	105.7	187.3	2.390	41.30	72.3	SO130	.01660	6.9168	0.8	F
5009	16373.39	26 0N	97 8E	105.7	187.3	2.390	41.30	72.3	SO130	.01660	6.9085	0.8	F
5010	16376.79	25 46N	97 6E	106.2	187.3	2.390	41.65	72.4	SO130	.01660	6.8755	1.0	F
5011	16382.19	25 41N	96 52E	98.0	187.2	2.390	36.75	72.3	SO130	.01660	7.4863	1.0	V
5012	16388.59	25 30N	96 33E	90.9	187.2	2.530	29.75	72.1	SO130	.01660	7.9650	1.0	A
5013	16393.19	25 11N	96 33E	93.3	187.2	2.530	31.85	72.3	SO130	.01660	7.7587	1.2	A
9001	15985.19	52 39N	104 5E	88.6	190.8	2.037	29.75	53.0	SO409	.05390	8.2284	0.6	F
9002	15988.19	52 40N	104 5E	87.8	190.8	2.037	30.10	53.0	SO409	.05390	8.3770	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1846 9003	15992.99	52 34N	103 58E	87.6	190.7	1.826	29.05	53.0	S0409	.05390	8.2862	0.6	A
9004	16147.39	41 41N	99 58E	79.2	188.8	2.738	17.50	62.1	S0409	.05390	9.2023	0.4	F
9005	16150.19	41 41N	99 59E	78.5	188.7	2.530	18.20	62.1	S0409	.07180	9.3673	0.4	V
9006	16154.59	41 8N	100 6E	84.3	188.7	2.530	25.55	62.6	S0409	.05390	8.6658	0.4	F
9007	16157.39	41 9N	100 6E	83.6	188.7	2.530	25.90	62.6	S0409	.05390	8.8061	0.6	V
9008	16160.59	41 9N	100 6E	84.9	188.6	2.530	26.25	62.6	S0409	.05390	8.5420	0.4	A
9009	16168.19	40 26N	99 48E	81.5	188.6	2.530	23.10	63.2	S0409	.05390	9.0290	0.8	V
9010	16171.19	40 26N	99 48E	82.7	188.5	2.530	23.45	63.2	S0409	.04070	8.7649	0.8	A
9011	16210.39	37 31N	97 22E	85.6	188.2	2.390	-33.60	64.5	S0409	.04070	8.4512	0.6	F
9012	16216.39	37 31N	97 23E	84.9	188.2	2.530	-32.90	64.5	S0409	.04070	8.5750	0.6	A
1847 5001	21305.19	52 3N	80 21E	75.0	190.6	2.181	-4.90	53.2	S0130	.02210	9.6819	0.8	F
9001	21212.39	58 21N	82 54E	76.0	192.5	1.826	-5.95	47.6	S0409	.05390	9.5406	0.4	F
9002	21214.99	58 21N	82 54E	75.1	192.4	1.826	-5.95	47.6	S0409	.05390	9.7800	0.6	V
9003	21259.99	54 57N	82 48E	86.4	191.5	2.037	26.95	50.9	S0409	.05390	8.4265	0.4	F
9004	21266.19	54 57N	82 49E	87.1	191.3	1.826	28.00	50.9	S0409	.05390	8.3274	0.4	A
9005	21313.99	51 31N	81 12E	82.2	190.5	2.037	23.45	53.9	S0409	.07180	8.9382	0.6	V
9006	21317.19	51 30N	81 12E	83.4	190.5	2.037	23.80	53.9	S0409	.07180	8.6823	0.4	A
9007	21334.19	50 9N	78 44E	84.8	190.2	1.826	-29.75	54.6	S0409	.05390	8.5173	0.6	F
9008	21337.19	50 9N	78 44E	83.7	190.2	2.037	-29.75	54.6	S0409	.07180	8.7731	0.6	V
9009	21342.79	49 49N	78 5E	95.3	190.1	1.826	-40.95	54.8	S0409	.05390	7.6837	1.0	V
9010	21346.19	49 50N	78 5E	95.9	190.0	1.826	-40.60	54.8	S0409	.05390	7.5764	1.2	A
9011	21407.39	45 2N	78 27E	75.3	189.3	2.530	6.65	59.3	S0409	.07180	9.6562	0.6	F
9012	21410.19	45 1N	78 27E	74.6	189.2	2.530	7.00	59.3	S0409	.07180	9.8625	0.6	V
9013	21418.19	44 33N	77 43E	74.5	189.1	2.530	-12.60	59.5	S0409	.07180	9.8543	0.6	V
9014	21420.99	44 32N	77 42E	75.3	189.1	2.530	-12.25	59.5	S0409	.07180	9.6479	0.6	A
9015	21427.99	43 55N	77 2E	81.5	189.0	2.390	-27.65	59.8	S0409	.05390	9.0124	0.6	V
9016	21430.99	43 55N	77 2E	82.2	189.0	2.390	-27.30	59.8	S0409	.05390	8.8556	0.6	A
9017	21436.19	43 21N	76 58E	80.2	188.9	2.390	-25.20	60.3	S0409	.07180	9.1527	0.4	V
9018	21439.19	43 21N	76 58E	80.9	188.9	2.390	-24.85	60.3	S0409	.05390	8.9959	0.4	A
9019	21490.39	39 25N	76 12E	77.1	188.4	2.738	-18.55	63.4	S0409	.07180	9.3921	0.8	F
9020	21495.79	39 26N	76 12E	76.9	188.4	2.738	-17.85	63.4	S0409	.07180	9.4581	1.0	A
9021	21576.39	33 47N	74 6E	94.1	187.8	2.181	-40.95	66.7	S0409	.04070	7.7828	0.6	V
9022	21579.79	33 47N	74 6E	94.9	187.8	2.390	-40.95	66.7	S0409	.04070	7.6755	0.6	A
9023	21736.79	22 24N	73 10E	78.6	187.1	3.232	5.25	72.4	S0409	.05390	9.2435	0.8	F
9024	21742.39	22 24N	73 10E	79.0	187.0	3.232	6.30	72.4	S0409	.05390	9.1610	1.0	A
1848 9001	26524.79	58 11N	60 57E	74.8	192.4	2.037	-0.35	47.7	S0409	.07180	9.8130	0.6	V
9002	26527.59	58 11N	60 57E	75.7	192.3	2.037	0.00	47.7	S0409	.07180	9.5902	0.6	A
9003	26537.99	57 5N	60 42E	76.2	192.1	2.037	5.95	48.8	S0409	.07180	9.5241	0.4	F
9004	26540.59	57 5N	60 43E	75.4	192.0	2.037	6.30	48.8	S0409	.07180	9.7387	0.4	V
9005	26543.39	56 54N	60 37E	75.4	192.0	2.037	6.30	48.9	S0409	.07180	9.7470	0.6	V
9006	26546.19	56 54N	60 37E	76.3	191.9	2.037	6.65	48.9	S0409	.07180	9.5076	0.6	A
9007	26556.39	55 44N	60 49E	83.0	191.7	2.037	22.40	50.1	S0409	.07180	8.7731	1.0	F
9008	26562.39	55 44N	60 50E	83.5	191.6	1.826	23.45	50.1	S0409	.07180	8.6906	1.6	A
9009	26568.99	55 8N	60 9E	77.3	191.4	2.037	13.65	50.6	S0409	.07180	9.5076	0.6	V
9010	26571.79	55 8N	60 9E	78.3	191.4	2.037	14.00	50.6	S0409	.07180	9.2600	0.6	A
9011	26584.39	54 2N	58 22E	79.2	191.1	2.037	-20.65	51.3	S0409	.07180	9.1445	1.8	F
9012	26600.19	52 42N	59 59E	90.8	190.9	2.037	31.85	52.9	S0409	.05390	8.0303	0.6	F
9013	26603.39	52 42N	59 59E	89.8	190.8	1.826	32.20	52.9	S0409	.05390	8.1954	0.6	V
9014	26607.99	52 37N	59 56E	90.8	190.7	1.826	32.20	53.0	S0409	.05390	7.9808	0.6	A
9015	26658.99	48 47N	58 3E	81.8	190.0	2.390	21.35	56.2	S0409	.07180	8.9052	0.4	F
9016	26661.99	48 47N	58 3E	81.2	189.9	2.181	22.05	56.3	S0409	.07180	9.0620	0.4	V
9017	26666.79	48 29N	57 43E	77.8	189.8	2.390	15.75	56.5	S0409	.07180	9.4499	0.6	V
9018	26669.79	48 28N	57 43E	78.9	189.8	2.181	16.45	56.5	S0409	.07180	9.1940	0.6	A
9019	26732.59	43 56N	54 48E	85.2	189.1	2.181	-30.80	59.7	S0409	.05390	8.4760	0.6	F
9020	26735.59	43 57N	54 48E	83.9	189.0	2.181	-30.45	59.7	S0409	.05390	8.7318	1.4	V
9021	26739.59	43 53N	54 47E	84.8	189.0	2.390	-30.45	59.8	S0409	.05390	8.5915	0.6	A
9022	26799.79	39 27N	54 26E	74.1	188.4	2.738	-6.30	63.5	S0409	.07180	9.9038	0.6	V
9023	26802.59	39 27N	54 26E	75.0	188.4	2.738	-5.95	63.5	S0409	.07180	9.6809	0.4	A
1849 5001	31868.19	55 42N	37 57E	75.1	191.6	2.037	5.60	50.0	S0130	.03080	9.7809	0.8	V
5002	31872.59	55 14N	37 38E	75.4	191.5	2.037	2.45	50.4	S0130	.03080	9.6241	1.0	F
5003	31878.19	55 13N	37 39E	75.6	191.4	2.181	3.15	50.4	S0130	.03080	9.6158	1.0	A
5004	31916.19	52 39N	36 29E	75.0	190.7	2.181	-0.35	52.7	S0130	.03080	9.7066	1.0	A
5005	31990.99	47 14N	34 13E	76.3	189.6	2.390	-14.35	57.2	S0130	.02210	9.5003	5.0	F
5006	32001.39	46 53N	34 13E	75.4	189.5	2.530	-10.50	57.6	S0130	.02210	9.6489	5.4	A
9001	31698.99	67 5N	44 17E	76.4	196.9	1.338	-2.80	39.4	S0409	.07180	9.6067	0.4	V
9002	31701.79	67 5N	44 17E	77.2	196.7	1.338	-2.45	39.4	S0409	.07180	9.3921	0.4	A
9003	31738.59	64 24N	40 47E	86.5	195.2	1.135	-28.35	41.8	S0409	.05390	8.3440	1.0	F
9004	31744.79	64 24N	40 46E	86.3	195.0	1.338	-28.35	41.8	S0409	.05390	8.4182	1.0	A
9005	31759.39	62 57N	40 32E	79.9	194.5	1.484	-18.20	43.2	S0409	.07180	9.0537	0.6	F
9006	31762.19	62 58N	40 32E	78.8	194.4	1.484	-17.85	43.2	S0409	.07180	9.3096	0.6	V
9007	31764.79	62 47N	40 25E	78.9	194.3	1.484	-18.20	43.4	S0409	.07180	9.2931	0.6	V
9008	31767.59	62 48N	40 25E	79.6	194.2	1.484	-17.85	43.4	S0409	.07180	9.1197	0.6	A
9009	31780.79	61 39N	40 18E	75.6	193.8	1.690	-7.70	44.5	S0409	.07180	9.7057	0.6	V
9010	31783.59	61 39N	40 18E	76.4	193.7	1.690	-7.35	44.5	S0409	.07180	9.4994	0.6	A
9011	31814.19	59 13N	39 8E	75.9	192.8	1.826	-5.25	46.7	S0409	.07180	9.5489	0.8	F
9012	31819.59	59 13N	39 9E	75.8	192.7	1.826	-4.55	46.7	S0409	.07180	9.5819	0.8	A
9013	31830.59	58 4N	38 54E	75.8	192.4	2.037	2.10	47.8	S0409	.07180	9.5737	0.8	F
9014	31833.59	58 3N	38 53E	74.9	192.4	2.037	2.10	47.8	S0409	.07180	9.8047	0.6	V
9015	31841.99	57 34N	39 48E	86.9	192.2	1.690	27.65	48.4	S0409	.07180	8.3357	0.4	A
9016	31847.39	57 13N	39 24E	83.4	192.0	1.826	23.10	48.7	S0409	.07180	8.6906	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	MORSE TIME SEC	MIRROR
1849 9017	31850.39	57 1N	39 16E	82.9	192.0	1.826	22.40	48.9	S0409	.07180	8.7484	0.4	A
9018	31856.59	56 17N	38 18E	76.5	191.8	2.037	7.70	49.5	S0409	.07180	9.4994	1.8	F
9019	31861.99	56 18N	38 19E	76.6	191.7	2.037	8.40	49.5	S0409	.07180	9.4664	2.0	A
9020	31867.19	55 46N	37 59E	75.1	191.6	2.037	5.60	49.9	S0409	.07180	9.7800	0.6	V
9021	31868.39	55 41N	37 57E	75.1	191.6	2.037	5.60	50.0	S0409	.07180	9.7800	0.6	V
9022	31872.79	55 13N	37 38E	75.5	191.5	2.037	2.45	50.4	S0409	.07180	9.6232	0.8	F
9023	31878.19	55 13N	37 38E	75.5	191.4	2.181	3.15	50.4	S0409	.07180	9.6149	0.8	A
9024	31882.99	54 44N	37 12E	74.2	191.3	2.181	-3.50	50.8	S0409	.07180	9.8955	0.4	V
9025	31885.79	54 44N	37 12E	75.1	191.2	2.181	-3.15	50.8	S0409	.07180	9.6727	0.4	A
9026	31891.79	54 16N	37 34E	77.3	191.1	2.181	11.55	51.3	S0409	.07180	9.3838	2.0	A
9027	31900.79	53 32N	36 33E	74.5	191.0	2.181	-8.05	51.8	S0409	.07180	9.8543	0.4	V
9028	31903.59	53 32N	36 33E	75.3	190.9	2.181	-7.70	51.8	S0409	.07180	9.6397	0.4	A
9029	31908.59	53 2N	36 9E	75.6	190.8	2.181	-13.65	52.2	S0409	.07180	9.7140	1.6	V
9030	31922.99	51 49N	36 16E	75.0	190.6	2.390	1.40	53.4	S0409	.07180	9.6727	1.4	F
9031	31928.99	51 46N	36 16E	75.1	190.5	2.181	2.45	53.5	S0409	.07180	9.6644	0.8	A
9032	31944.99	50 14N	36 17E	79.4	190.3	2.390	17.15	54.9	S0409	.07180	9.1610	0.4	F
9033	31947.99	50 2N	36 15E	80.0	190.2	2.390	18.20	55.1	S0409	.07180	9.0950	0.8	F
9034	31952.39	49 42N	36 18E	82.3	190.1	2.390	22.05	55.4	S0409	.07180	8.8391	0.4	F
9035	31958.39	49 42N	36 18E	82.9	190.1	2.181	23.10	55.5	S0409	.07180	8.7484	0.4	A
9036	31965.59	48 54N	35 20E	75.1	190.0	2.390	3.50	56.0	S0409	.07180	9.6727	0.4	F
9037	31971.99	48 31N	34 41E	75.8	189.9	2.390	-12.25	56.2	S0409	.07180	9.5571	0.8	F
9038	31977.39	48 31N	34 41E	75.7	189.8	2.390	-11.55	56.2	S0409	.07180	9.6067	0.8	A
9039	31985.99	47 33N	34 36E	74.8	189.7	2.390	-5.60	57.0	S0409	.07180	9.6974	0.8	F
9040	32017.79	45 21N	34 7E	74.7	189.3	2.530	-0.35	58.9	S0409	.07180	9.7222	1.4	F
9041	32023.19	45 21N	34 7E	74.7	189.2	2.530	0.70	58.9	S0409	.07180	9.7057	1.4	A
9042	32029.19	44 44N	34 2E	73.9	189.2	2.530	3.15	59.5	S0409	.07180	9.9450	0.6	V
9043	32031.99	44 44N	34 2E	74.8	189.1	2.530	3.50	59.5	S0409	.07180	9.6974	0.6	A
9044	32035.79	44 28N	34 3E	75.2	189.1	2.530	6.65	59.7	S0409	.07180	9.6562	0.4	A
9045	32227.19	31 2N	29 50E	83.0	187.6	2.738	-26.60	68.6	S0409	.07180	8.7071	0.4	F
9046	32230.19	31 2N	29 50E	81.9	187.6	2.738	-26.25	68.6	S0409	.07180	8.9547	0.4	V
9047	32244.79	29 51N	31 7E	88.4	187.5	2.530	29.05	70.2	S0409	.05390	8.3027	0.8	V
9048	32247.99	29 52N	31 7E	89.9	187.5	2.530	29.40	70.2	S0409	.05390	8.0386	1.0	A
9049	32253.59	29 15N	31 2E	89.7	187.5	2.530	30.10	70.6	S0409	.03070	8.1871	0.8	V
9050	32256.99	29 15N	31 2E	91.2	187.5	2.530	30.45	70.6	S0409	.03070	7.9148	0.8	A
1850 9001	37195.59	54 5N	15 17E	76.4	191.2	2.181	8.05	51.5	S0409	.07180	9.5159	0.6	F
9002	37198.39	54 4N	15 17E	75.6	191.1	2.181	8.40	51.5	S0409	.07180	9.7222	0.6	V
9003	37202.39	53 59N	15 19E	77.0	191.1	2.181	10.50	51.6	S0409	.07180	9.4168	0.6	A
9004	37207.79	53 36N	15 21E	78.7	191.0	2.037	15.40	51.9	S0409	.07180	9.2105	0.4	A
9005	37212.19	52 56N	14 54E	76.8	190.9	2.037	10.15	52.5	S0409	.07180	9.4664	0.4	F
9006	37217.19	52 37N	14 40E	76.0	190.8	2.181	7.00	52.8	S0409	.07180	9.5654	0.8	F
9007	37222.59	52 37N	14 40E	76.1	190.7	2.181	7.70	52.8	S0409	.07180	9.5324	1.0	A
9008	37232.59	51 19N	15 44E	102.8	190.5	2.037	40.60	54.2	S0409	.05390	7.0978	0.4	F
9009	37239.79	51 20N	15 45E	103.6	190.4	1.484	41.65	54.2	S0409	.05390	6.9987	0.4	A
9010	37257.59	50 9N	12 48E	77.4	190.2	2.181	-20.30	54.7	S0409	.07180	9.4911	0.6	V
9011	37260.39	50 9N	12 48E	78.2	190.1	2.181	-19.95	54.7	S0409	.07180	9.3096	0.6	A
9012	37269.19	49 15N	13 32E	75.3	190.0	2.390	9.45	55.7	S0409	.07180	9.7635	0.6	V
9013	37271.99	49 15N	13 32E	76.2	190.0	2.390	9.80	55.7	S0409	.07180	9.5159	0.6	A
9014	37407.59	39 43N	9 27E	86.6	188.5	2.181	-32.55	62.9	S0409	.03070	8.3357	0.8	F
9015	37413.79	39 43N	9 27E	86.1	188.4	2.390	-32.20	62.9	S0409	.04070	8.4512	1.0	A
9016	37890.19	6 27N	3 25E	85.8	186.6	3.439	-15.05	67.9	S0409	.05390	8.4100	0.4	F
9017	37893.19	6 27N	3 25E	84.8	186.6	3.439	-14.35	67.9	S0409	.05390	8.6246	0.4	V
9018	37896.39	6 27N	3 23E	86.1	186.6	3.439	-15.05	67.9	S0409	.07180	8.3852	0.4	A
1851 9001	42491.79	54 37N	5 55W	84.0	191.4	2.037	24.15	51.1	S0409	.07180	8.6658	0.6	F
9002	42494.79	54 37N	5 56W	83.0	191.3	2.037	24.15	51.1	S0409	.07180	8.8556	0.6	V
9003	42497.79	54 37N	5 55W	84.3	191.3	1.826	24.85	51.1	S0409	.07180	8.5998	0.6	A
9004	42509.99	53 21N	6 14W	87.6	191.0	2.037	28.70	52.2	S0409	.05390	8.3109	0.8	F
9005	42513.19	53 21N	6 14W	86.9	191.0	2.037	29.05	52.3	S0409	.07180	8.4595	0.6	V
1852 9001	48799.19	13 32S	44 16W	97.2	186.7	3.587	-11.20	52.7	S0409	.05390	7.3618	1.2	A
9002	48843.79	16 37S	44 21W	99.6	186.8	3.232	5.60	50.3	S0409	.05390	7.1638	1.2	A
9003	48918.59	21 49S	46 33W	115.0	187.0	3.232	-30.80	45.0	S0409	.05390	6.2807	2.2	V
9004	48922.99	21 50S	46 34W	116.4	187.0	3.439	-30.80	45.0	S0409	.05390	6.1404	2.2	A
9005	48931.99	22 18S	47 22W	139.4	187.1	3.232	-44.80	44.2	S0409	.04070	5.1583	1.2	A
9006	48944.59	23 37S	46 40W	110.2	187.1	3.232	-24.50	43.5	S0409	.05390	6.5531	0.6	V
9007	48948.59	23 36S	46 41W	111.7	187.1	3.439	-24.50	43.5	S0409	.05390	6.3962	0.6	A
1853 9001	53742.99	10 40N	61 31W	84.2	186.6	3.232	10.50	70.6	S0409	.05390	8.6163	0.4	F
9002	53745.99	10 40N	61 31W	83.6	186.6	3.232	11.20	70.7	S0409	.05390	8.7484	0.4	V
9003	53787.59	8 3N	62 20W	83.1	186.6	3.439	-2.80	69.1	S0409	.07180	8.6741	1.2	A
9004	54213.59	21 6S	66 45W	110.5	187.0	2.530	22.05	46.5	S0409	.05390	6.4210	1.4	A
9005	54221.79	21 40S	66 43W	114.0	187.0	2.390	25.55	46.1	S0409	.05390	6.2147	1.4	A
9006	54238.39	22 45S	67 41W	101.8	187.1	3.232	3.15	44.7	S0409	.04070	6.9905	1.2	A
9007	54289.19	26 17S	69 41W	120.2	187.3	3.232	-32.90	40.9	S0409	.04070	5.9919	1.2	V
9008	54294.99	26 17S	70 8W	135.4	187.3	3.232	-40.95	40.7	S0409	.04070	5.2903	1.4	A
9009	54315.39	28 1S	67 35W	129.9	187.4	1.826	32.20	40.4	S0409	.04070	5.4306	1.2	A
9010	54367.59	31 33S	71 5W	130.9	187.7	3.092	-36.05	35.9	S0409	.05390	5.5049	1.2	V
9011	54394.59	33 26S	70 55W	117.3	187.8	3.092	-23.45	34.4	S0409	.05390	6.1322	0.4	V
9012	54398.99	33 26S	70 56W	118.8	187.8	3.092	-23.10	34.4	S0409	.05390	5.9836	0.4	A
9013	54421.59	35 27S	69 35W	121.5	188.0	2.390	20.65	33.2	S0409	.03070	5.9093	0.4	V
9014	54426.19	35 27S	69 34W	123.8	188.0	2.181	21.35	33.2	S0409	.03070	5.6947	0.4	A
9015	54479.19	38 45S	72 37W	130.9	188.4	3.092	-29.40	29.3	S0409	.05390	5.4141	1.0	A
9016	54487.79	39 21S	72 36W	127.7	188.5	3.092	-25.90	28.8	S0409	.05390	5.5544	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1853 9017	54500.99	40 52S	72 53W	126.7	188.6	2.738	-23.80	27.3	SO409	.05390	5.5957	0.8	F
9018	54504.79	41 7S	73 3W	128.5	188.6	2.738	-25.55	27.1	SO409	.05390	5.5132	0.6	F
9019	54513.19	41 28S	72 18W	117.9	188.7	2.738	-8.05	27.1	SO409	.05390	6.0826	0.8	V
9020	54520.39	41 41S	71 59W	119.4	188.8	2.530	0.70	27.0	SO409	.05390	5.9093	0.6	A
9021	54577.39	45 34S	72 5W	131.7	189.3	1.826	19.60	23.6	SO409	.05390	5.3316	1.0	A
1854 9001	58866.99	23 10N	82 20W	86.5	187.1	2.881	-29.05	71.4	SO409	.05390	8.3440	0.4	F
9002	58869.59	22 59N	82 21W	86.2	187.1	2.881	-28.70	71.4	SO409	.05390	8.3770	1.0	F
9003	58872.79	22 58N	82 22W	85.4	187.1	3.092	-29.05	71.4	SO409	.05390	8.5915	0.4	V
9004	58875.79	22 59N	82 21W	85.7	187.1	3.092	-28.00	71.5	SO409	.05390	8.4843	1.4	A
9005	59027.79	12 2N	83 46W	81.3	186.7	3.439	-5.60	70.8	SO409	.07180	8.8969	1.2	F
9006	59033.59	12 2N	83 40W	81.6	186.7	3.439	-0.70	71.0	SO409	.07180	8.8391	1.0	A
1860 9001	3942.18	47 42N	152 60E	93.4	189.8	2.181	34.30	57.1	SO409	.04070	7.8240	0.8	F
9002	3945.58	47 42N	152 59E	92.3	189.7	2.181	34.30	57.1	SO409	.04070	7.9478	0.6	V
9003	3951.58	47 9N	152 16E	81.8	189.6	2.390	21.70	57.5	SO409	.05390	8.8969	0.6	F
9004	3957.18	46 60N	152 2E	78.5	189.6	2.390	17.50	57.6	SO409	.07180	9.3673	0.4	V
9005	3959.98	46 60N	152 2E	79.6	189.5	2.390	17.85	57.6	SO409	.07180	9.1115	0.4	A
1861 9001	9218.78	50 7N	129 56E	75.8	190.2	2.390	-12.25	54.6	SO409	.05390	9.5654	0.4	F
9002	9222.58	49 51N	129 52E	75.6	190.1	2.390	-11.55	54.8	SO409	.07180	9.5819	1.8	F
9003	9228.78	49 48N	129 47E	76.0	190.1	2.390	-12.95	54.9	SO409	.07180	9.5737	1.2	A
9004	9322.78	42 50N	129 4E	86.9	188.9	2.390	28.35	61.1	SO409	.04070	8.3935	0.6	F
9005	9335.18	42 28N	128 9E	74.8	188.6	2.738	4.55	61.1	SO409	.07180	9.6974	0.4	A
9006	9350.58	41 9N	126 22E	93.4	188.7	2.037	-36.85	61.6	SO409	.04070	7.7250	0.4	F
9007	9366.58	39 54N	127 48E	78.3	188.5	2.738	14.70	63.2	SO409	.05390	9.2931	0.4	F
9008	9369.38	39 54N	127 48E	77.7	188.5	2.738	15.40	63.2	SO409	.05390	9.4581	0.4	V
9009	9379.38	39 8N	126 44E	75.8	188.4	2.738	-15.40	63.4	SO409	.07180	9.5654	0.4	F
9010	9384.78	39 8N	126 44E	75.5	188.4	2.738	-14.35	63.5	SO409	.07180	9.6314	0.4	A
9011	9392.78	38 11N	126 42E	75.0	188.3	2.881	-8.40	64.2	SO409	.05390	9.6727	0.4	F
9012	9398.18	38 11N	126 42E	74.9	188.3	2.881	-7.70	64.2	SO409	.05390	9.6974	0.4	A
9013	9405.38	37 30N	126 38E	73.9	188.2	2.881	-4.55	64.8	SO409	.07180	9.9368	1.0	V
9014	9418.98	36 27N	127 23E	87.4	188.1	2.390	29.40	66.0	SO409	.04070	8.4017	0.8	V
9015	9422.18	36 27N	127 24E	88.8	188.1	2.390	29.75	66.0	SO409	.04070	8.1376	0.8	A
1862 5001	14945.38	21 31N	101 4E	76.1	187.0	3.232	-7.35	72.1	SO130	.02210	9.6324	1.2	V
5002	14955.18	20 35N	101 22E	80.3	187.0	3.232	11.90	72.7	SO130	.02210	9.0546	0.6	F
5003	14968.58	19 45N	102 11E	108.6	186.9	2.181	42.00	73.6	SO130	.01660	6.7517	1.2	V
5004	14978.38	19 23N	101 14E	82.7	186.9	3.092	16.80	72.8	SO130	.02210	8.7409	1.0	A
9001	14356.58	61 35N	113 1E	76.2	193.8	1.690	-5.25	44.3	SO409	.07180	9.5159	1.0	F
9002	14361.98	61 35N	113 1E	76.0	193.7	1.690	-4.55	44.3	SO409	.07180	9.5489	1.2	A
9003	14701.18	37 54N	106 2E	98.6	188.3	2.181	38.50	65.1	SO409	.04070	7.4196	0.6	F
9004	14714.98	37 33N	104 25E	74.2	188.2	2.881	-8.40	64.7	SO409	.07180	9.7800	0.4	A
9005	14721.98	36 40N	104 33E	74.4	188.1	2.881	3.15	65.4	SO409	.07180	9.7635	0.4	F
9006	14724.58	36 40N	104 32E	73.6	188.1	2.881	3.50	65.4	SO409	.07180	9.9698	0.4	V
9007	14732.38	35 60N	103 59E	74.8	188.1	2.881	-11.90	65.7	SO409	.07180	9.6892	1.0	F
9008	14737.58	36 0N	103 59E	74.8	188.0	2.881	-11.20	65.7	SO409	.07180	9.7140	1.2	A
9009	14804.18	30 58N	103 36E	79.8	187.6	2.881	16.45	69.3	SO409	.05390	9.1280	0.4	F
9010	14806.98	30 58N	103 37E	79.3	187.6	2.881	17.15	69.3	SO409	.05390	9.2683	0.4	V
9011	14809.78	30 58N	103 37E	80.4	187.6	2.881	17.50	69.3	SO409	.05390	8.9959	0.4	A
9012	14823.78	29 48N	103 29E	82.3	187.5	2.738	21.35	70.0	SO409	.04070	8.9217	0.6	V
9013	14826.98	29 47N	103 29E	83.5	187.5	2.738	21.70	70.0	SO409	.04070	8.6411	0.6	A
9014	14832.18	29 15N	103 4E	77.0	187.5	2.881	11.20	70.1	SO409	.05390	9.5406	0.4	V
9015	14835.18	29 14N	103 4E	78.1	187.5	2.881	11.55	70.1	SO409	.05390	9.2683	0.4	A
9016	14845.78	28 13N	102 4E	78.5	187.4	3.092	-20.30	70.0	SO409	.05390	9.2188	0.4	F
9017	14848.58	28 12N	102 4E	77.4	187.4	3.092	-19.60	70.0	SO409	.05390	9.4829	0.4	V
9018	14877.78	26 11N	101 47E	76.1	187.3	3.092	-15.05	70.9	SO409	.05390	9.6397	0.4	V
9019	14888.38	25 23N	102 14E	76.8	187.2	3.092	9.45	71.6	SO409	.05390	9.5571	0.4	V
9020	14891.18	25 23N	102 14E	77.8	187.2	3.092	9.80	71.6	SO409	.05390	9.2848	0.4	A
9021	14897.98	24 54N	102 32E	85.9	187.2	2.881	24.85	72.1	SO409	.05390	8.4017	0.4	A
9022	14904.98	23 57N	102 35E	92.1	187.1	2.738	31.15	72.6	SO409	.05390	7.9065	0.6	F
9023	14908.18	23 57N	102 35E	91.6	187.1	2.530	31.85	72.6	SO409	.05390	8.0138	0.8	V
9024	14930.18	22 23N	100 57E	80.0	187.1	3.232	-19.25	71.8	SO409	.05390	9.0372	0.6	F
9025	15200.78	3 36N	98 41E	96.5	186.5	2.881	24.85	67.1	SO409	.05390	7.5269	0.6	F
9026	15204.18	3 36N	98 42E	96.2	186.5	2.881	25.55	67.1	SO409	.04070	7.5847	1.4	V
9027	15207.78	3 36N	98 41E	97.9	186.5	2.881	25.90	67.1	SO409	.04070	7.3206	1.4	A
1863 9001	19749.38	55 35N	89 31E	88.7	191.7	2.037	29.75	50.0	SO409	.05390	8.2037	0.4	F
9002	19752.38	55 35N	89 32E	88.1	191.6	1.826	30.45	50.0	SO409	.07180	8.3522	0.4	V
9003	19756.38	55 19N	89 21E	88.9	191.5	1.826	29.40	50.3	SO409	.07180	8.4678	0.4	V
9004	19759.58	55 19N	89 20E	87.9	191.4	1.826	29.40	50.3	SO409	.05390	8.2532	0.4	A
9005	19776.98	53 58N	86 40E	80.1	191.1	1.826	-22.05	51.1	SO409	.07180	9.0290	1.2	F
9006	19782.58	53 59N	86 39E	79.9	191.0	2.037	-22.05	51.1	SO409	.07180	9.0950	1.4	A
9007	20253.78	21 7N	79 34E	84.4	187.0	3.092	19.60	72.8	SO409	.05390	8.6081	0.4	F
9008	20259.98	21 7N	79 34E	85.2	187.0	2.881	20.65	72.8	SO409	.05390	8.4678	0.4	A
9009	20309.38	17 20N	78 31E	79.9	186.8	3.232	6.30	72.5	SO409	.05390	9.0867	0.6	F
9010	20312.18	17 20N	78 30E	79.2	186.8	3.232	6.65	72.5	SO409	.05390	9.2518	0.6	V
9011	20418.78	10 6N	76 19E	89.6	186.6	3.232	-28.00	69.6	SO409	.05390	8.1376	0.6	V
9012	20422.18	10 6N	76 18E	90.7	186.6	3.439	-28.00	69.6	SO409	.05390	7.9808	0.6	A
1864 9001	25028.18	57 43N	65 43E	85.3	192.3	1.484	-29.05	47.7	SO409	.07180	8.4678	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1864 9002	25031.18	57 43N	65 42E	84.3	192.2	1.484	-29.05	47.7	SO409	.07180	8.6906	0.6	V
9003	25059.38	55 34N	65 17E	79.0	191.6	1.826	-19.60	49.7	SO409	.07180	9.1527	0.6	F
9004	25062.18	55 34N	65 17E	77.9	191.5	1.826	-19.25	49.7	SO409	.07180	9.4168	0.6	V
9005	25064.18	55 26N	65 14E	77.9	191.5	1.826	-19.25	49.8	SO409	.07180	9.4251	0.6	V
9006	25067.18	55 25N	65 14E	78.7	191.4	2.037	-19.25	49.8	SO409	.07180	9.2435	0.4	A
9007	25113.98	51 36N	65 48E	89.8	190.6	2.181	31.15	53.6	SO409	.05390	8.1211	0.4	F
9008	25117.78	51 22N	65 35E	87.0	190.5	2.181	28.35	53.8	SO409	.05390	8.3852	0.4	F
9009	25121.78	51 31N	65 49E	91.3	190.5	1.826	32.90	53.7	SO409	.05390	7.9396	0.4	A
9010	25124.98	51 18N	65 45E	91.7	190.4	1.826	33.25	53.9	SO409	.05390	7.9065	0.4	A
9011	25128.98	51 2N	65 32E	89.4	190.3	1.826	31.15	54.1	SO409	.05390	8.1129	0.4	A
9012	25197.78	45 59N	63 20E	80.0	189.4	2.530	18.55	58.4	SO409	.07180	9.1115	0.6	F
9013	25200.58	45 59N	63 20E	79.2	189.4	2.530	18.90	58.4	SO409	.07180	9.2648	0.6	V
9014	25203.58	45 59N	63 20E	80.6	189.4	2.530	19.60	58.4	SO409	.07180	8.9959	0.4	A
9015	25204.98	45 53N	63 18E	80.6	189.3	2.530	19.60	58.4	SO409	.07180	8.9959	0.4	A
9016	25205.98	45 49N	63 17E	80.6	189.3	2.530	19.60	58.5	SO409	.07180	8.9959	0.6	A
1865 5001	30409.58	52 50N	40 57E	99.4	190.7	1.484	-43.05	51.9	SO130	.01660	7.4038	3.4	V
5002	30416.78	52 34N	40 57E	98.1	190.6	1.690	-41.65	52.1	SO130	.01660	7.4285	3.4	A
5003	30434.78	50 51N	40 44E	90.7	190.3	1.690	-36.05	53.7	SO130	.02210	7.9650	0.8	F
5004	30440.18	50 40N	40 58E	83.7	190.3	2.037	-30.10	53.9	SO130	.02210	8.7739	3.8	V
5005	30446.58	50 27N	40 50E	85.6	190.2	2.037	-31.15	54.1	SO130	.01660	8.5181	3.4	A
5006	30464.18	49 22N	39 46E	102.7	189.9	1.826	-44.80	54.8	SO130	.02210	7.0819	1.0	A
5007	30487.58	47 27N	41 32E	78.3	189.6	2.390	15.40	57.1	SO130	.02210	9.2609	0.8	A
5008	30496.78	46 54N	40 37E	74.8	189.5	2.530	-7.35	57.3	SO130	.03080	9.7314	0.8	A
5009	30502.18	46 30N	40 46E	74.6	189.4	2.530	0.70	57.7	SO130	.02210	9.7479	0.8	A
5010	30509.58	45 58N	40 51E	75.9	189.4	2.530	8.40	58.3	SO130	.02210	9.5828	0.8	A
5011	30515.78	45 31N	41 4E	80.2	189.3	2.390	19.25	58.7	SO130	.02210	9.0463	1.0	A
9001	30342.58	57 7N	45 9E	76.7	192.0	1.826	12.25	48.5	SO409	.07180	9.5819	0.6	V
9002	30352.18	56 23N	43 53E	76.1	191.8	1.826	-10.85	49.0	SO409	.07180	9.5159	1.4	F
9003	30357.58	56 23N	43 53E	76.0	191.7	2.037	-10.50	49.0	SO409	.07180	9.5654	1.6	A
9004	30359.78	56 14N	43 50E	76.0	191.7	2.037	-10.50	49.2	SO409	.07180	9.5654	0.4	A
9005	30370.18	55 28N	42 19E	90.4	191.5	1.484	-36.05	49.6	SO409	.05390	8.1294	0.8	V
9006	30373.38	55 28N	42 20E	90.9	191.4	1.690	-35.70	49.6	SO409	.05390	8.0056	1.0	A
9007	30395.58	53 31N	43 41E	77.0	191.0	2.181	14.00	51.8	SO409	.07180	9.5406	0.6	V
9008	30471.38	48 19N	40 11E	85.8	189.8	2.037	-31.50	55.9	SO409	.05390	8.4182	0.8	F
9009	30474.38	48 20N	40 12E	84.5	189.8	2.037	-31.15	55.9	SO409	.05390	8.6823	1.0	V
9010	30527.98	44 32N	40 18E	73.9	189.1	2.530	4.55	59.4	SO409	.07180	9.9368	0.6	V
9011	30544.38	43 7N	40 36E	84.1	189.0	2.530	24.85	60.8	SO409	.04070	8.6658	0.8	F
9012	30547.38	43 1N	40 36E	83.4	188.9	2.530	25.20	60.8	SO409	.04070	8.8144	0.8	V
9013	30670.98	34 33N	37 39E	74.9	187.9	2.881	0.00	66.8	SO409	.04070	9.6974	1.0	F
9014	30676.38	34 33N	37 39E	75.0	187.9	2.881	1.05	66.8	SO409	.04070	9.6644	1.0	A
9015	30686.98	33 41N	36 59E	76.8	187.8	2.881	-17.15	67.1	SO409	.05390	9.5489	0.8	V
9016	30699.18	32 40N	36 38E	78.9	187.8	2.881	-21.70	67.6	SO409	.05390	9.1527	0.6	F
9017	30701.98	32 40N	36 38E	77.9	187.7	2.881	-21.35	67.6	SO409	.05390	9.4086	0.6	V
9018	30710.38	32 8N	36 9E	86.1	187.7	2.530	-32.55	67.7	SO409	.05390	8.5338	1.0	V
9019	30713.58	32 8N	36 10E	86.6	187.7	2.738	-32.20	67.7	SO409	.05390	8.3935	1.0	A
9020	31166.98	0 35N	31 23E	87.2	186.5	3.232	9.10	64.7	SO409	.05390	8.3605	1.0	V
9021	31170.18	0 36N	31 23E	88.6	186.5	3.232	9.45	64.7	SO409	.05390	8.1046	1.0	A
9022	31293.18	7 54S	28 33E	110.0	186.6	3.232	-37.10	57.1	SO409	.04070	6.5943	1.0	V
9023	31297.18	7 54S	28 33E	110.8	186.6	3.439	-36.75	57.2	SO409	.04070	6.4953	1.0	A
9024	31546.38	25 47S	27 57E	139.1	187.2	2.037	38.50	42.8	SO409	.04070	5.1500	0.6	F
9025	31551.38	25 47S	27 57E	139.0	187.2	1.826	39.20	42.8	SO409	.04070	5.1831	0.6	V
9026	31558.98	26 17S	27 46E	135.6	187.3	1.826	37.45	42.3	SO409	.04070	5.3151	0.6	V
9027	31564.18	26 17S	27 45E	138.2	187.3	1.690	37.80	42.3	SO409	.04070	5.1005	0.6	A
1866 9001	35276.58	80 38N	58 3E	80.1	224.3	0.438	2.45	24.8	SO409	.09620	9.1445	0.6	V
9002	35279.58	80 38N	58 2E	80.9	223.4	0.438	2.45	24.8	SO409	.09620	8.9464	0.6	A
9003	35459.98	69 1N	33 41E	103.5	199.0	1.336	39.55	37.2	SO409	.07180	7.0235	0.4	F
9004	35467.38	69 2N	33 41E	103.9	198.5	0.995	40.25	37.2	SO409	.05390	6.9657	0.4	A
9005	35610.78	59 22N	24 8E	77.5	192.9	2.037	10.50	46.4	SO409	.07180	9.3756	0.4	F
9006	35613.38	59 23N	24 7E	76.6	192.9	1.826	10.85	46.4	SO409	.07180	9.5984	0.4	V
9007	35615.38	59 15N	24 3E	76.6	192.8	1.826	10.85	46.5	SO409	.07180	9.5984	0.6	V
9008	35618.18	59 15N	24 3E	77.6	192.7	1.826	11.20	46.5	SO409	.07180	9.3591	0.6	A
9009	35642.18	57 35N	21 53E	78.7	192.2	1.826	-20.65	47.9	SO409	.07180	9.3178	0.6	V
9010	35645.18	57 35N	21 53E	79.4	192.1	1.826	-20.30	47.9	SO409	.07180	9.1445	0.6	A
9011	35651.38	56 44N	21 57E	76.1	192.0	2.037	-10.85	48.7	SO409	.07180	9.5241	0.6	F
9012	35656.78	56 44N	21 57E	75.9	191.8	2.037	-10.15	48.7	SO409	.07180	9.5737	0.6	A
9013	35663.78	56 1N	22 7E	74.3	191.7	2.037	1.05	49.4	SO409	.07180	9.8873	0.4	V
9014	35666.58	56 1N	22 7E	75.1	191.6	2.037	1.40	49.4	SO409	.07180	9.6562	0.4	A
9015	35671.38	55 21N	21 35E	75.2	191.5	2.037	-5.60	50.0	SO409	.07180	9.6479	0.6	F
9016	35674.18	55 21N	21 35E	74.3	191.5	2.037	-5.25	50.0	SO409	.07180	9.8873	0.4	V
9017	35681.18	54 46N	20 29E	82.5	191.3	1.826	-26.25	50.3	SO409	.07180	8.7649	1.4	F
9018	35687.18	54 46N	20 28E	82.3	191.2	2.037	-26.25	50.3	SO409	.07180	8.8391	1.2	A
9019	35692.78	54 11N	20 8E	83.1	191.1	1.826	-28.70	50.8	SO409	.07180	8.8144	0.6	V
9020	35695.78	54 11N	20 8E	83.9	191.1	2.037	-28.70	50.8	SO409	.07180	8.6658	0.6	A
9021	35713.98	52 22N	21 12E	78.5	190.7	2.181	15.40	52.8	SO409	.07180	9.2765	0.4	F
9022	35716.78	52 22N	21 12E	77.7	190.7	2.181	15.75	52.8	SO409	.07180	9.4664	2.0	V
9023	35721.18	52 16N	21 9E	78.8	190.6	2.181	16.10	52.9	SO409	.07180	9.2023	0.4	A
9024	35746.18	50 21N	18 40E	86.9	190.2	1.826	-32.55	54.1	SO409	.05390	8.3027	1.0	F
9025	35749.58	50 20N	18 39E	85.6	190.2	1.826	-32.20	54.2	SO409	.05390	8.5585	0.6	V
9026	35752.38	50 21N	18 40E	86.1	190.1	2.037	-31.85	54.1	SO409	.05390	8.4595	1.2	A
9027	35769.18	48 50N	19 38E	74.6	189.9	2.390	7.70	55.8	SO409	.07180	9.8543	0.6	V
9028	35771.98	48 50N	19 38E	75.5	189.9	2.390	8.05	55.8	SO409	.07180	9.6067	0.6	A
9029	35777.38	48 6N	19 19E	75.0	189.8	2.530	4.90	56.4	SO409	.07180	9.6892	0.6	F
9030	35782.78	48 6N	19 19E	75.1	189.7	2.390	5.60	56.4	SO409	.07180	9.6562	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1866	9031	35790.98	47 7N	19 28E	79.6	189.6	2.390	18.20	57.4	SO409	.07180	9.1362	0.6	F
	9032	35793.78	47 7N	19 28E	78.9	189.6	2.390	18.55	57.4	SO409	.07180	9.3178	0.6	V
	9033	35798.18	46 49N	19 19E	78.2	189.5	2.390	17.15	57.6	SO409	.07180	9.4003	0.6	V
	9034	35800.98	46 49N	19 19E	79.2	189.5	2.390	17.50	57.6	SO409	.07180	9.1362	0.6	A
	9035	35805.38	46 18N	19 19E	80.5	189.5	2.390	21.35	58.1	SO409	.07180	9.1280	0.6	V
	9036	35808.38	46 18N	19 19E	81.8	189.4	2.181	22.05	58.1	SO409	.05390	8.8639	0.6	A
	9037	35828.98	44 30N	18 45E	81.0	189.2	2.530	20.65	59.6	SO409	.05390	8.9959	1.2	F
	9038	35834.78	44 30N	18 45E	81.4	189.1	2.390	21.35	59.6	SO409	.05390	8.8969	1.4	A
	9039	35857.58	42 44N	18 21E	82.6	188.9	2.390	24.50	61.1	SO409	.05390	8.8969	0.4	V
	9040	35860.78	42 43N	18 21E	83.9	188.9	2.390	24.85	61.1	SO409	.05390	8.6246	0.4	A
	9041	36092.18	26 34N	13 10E	82.6	187.3	2.881	-25.20	70.5	SO409	.03070	8.7401	0.6	F
	9042	36095.18	26 34N	13 11E	81.3	187.3	2.881	-24.50	70.5	SO409	.04070	9.0124	0.4	V
1867	9001	41059.58	49 40N	1 38W	81.1	190.1	2.037	22.40	55.2	SO409	.07180	9.0620	0.6	V
	9002	41062.58	49 40N	1 38W	82.3	190.1	2.037	22.75	55.2	SO409	.07180	8.7979	0.6	A
1869	9001	52717.38	21 58S	62 49W	130.0	187.1	3.232	-40.95	44.9	SO409	.04070	5.5214	0.8	A
	9002	52791.78	27 19S	61 16W	124.3	187.1	2.037	28.70	41.2	SO409	.05390	5.6782	0.6	A
	9003	52828.98	29 49S	61 53W	122.9	187.5	2.181	25.55	38.8	SO409	.05390	5.7525	1.2	A
	9004	52893.78	34 12S	62 30W	133.7	187.9	1.826	30.80	34.9	SO409	.05390	5.2738	1.4	A
	9005	53029.58	43 52S	65 40W	122.7	189.0	2.390	11.55	25.4	SO409	.05390	5.7855	1.0	F
	9006	53068.98	45 45S	67 27W	123.4	189.4	2.738	-12.60	23.2	SO409	.07180	5.7112	1.2	A
	9007	53123.18	49 57S	68 55W	127.0	190.1	2.390	-14.35	19.1	SO409	.04070	5.5627	1.4	F
	9008	53147.98	51 37S	69 13W	124.9	190.4	2.181	-8.75	17.6	SO409	.07180	5.6535	1.2	F
	9009	53151.98	51 34S	69 17W	125.5	190.5	2.390	-10.15	17.6	SO409	.07180	5.6865	1.2	V
	9010	53157.38	51 38S	69 13W	125.5	190.6	2.390	-8.40	17.6	SO409	.07180	5.6040	0.6	A
	9011	53164.18	52 22S	69 41W	126.7	190.7	2.181	-11.55	16.8	SO409	.07180	5.6287	1.4	V
	9012	53173.78	52 50S	68 23W	131.5	190.9	1.826	12.95	16.8	SO409	.07180	5.3234	1.6	A
	9013	53188.38	53 46S	69 7W	129.3	191.1	1.826	7.00	15.8	SO409	.07180	5.4224	1.0	A
1870	5001	57565.78	8 9N	77 4W	101.5	186.6	2.738	32.55	70.1	SO130	.01660	7.1644	1.2	F
	5002	57573.18	8 9N	77 9W	100.0	186.6	2.530	31.15	70.1	SO130	.01660	7.1892	1.4	A
	5003	57584.58	7 23N	77 19W	99.2	186.6	2.530	30.10	69.6	SO130	.01660	7.2469	1.0	A
	9001	57386.38	20 39N	75 41W	77.8	187.0	3.232	0.35	72.4	SO409	.05390	9.3261	0.8	F
	9002	57394.38	20 0N	75 11W	88.1	186.9	2.881	24.50	73.0	SO409	.05390	8.2779	0.4	F
	9003	57397.38	20 1N	75 11W	87.4	186.9	2.881	24.85	73.0	SO409	.05390	8.3935	0.4	V
	9004	57401.58	19 57N	75 4W	92.4	186.9	2.530	29.40	73.1	SO409	.05390	7.7993	0.4	A
	9005	57704.58	1 9S	78 34W	109.0	186.5	2.390	35.70	64.1	SO409	.04070	6.6651	1.4	V
	9006	57721.58	2 12S	79 51W	87.1	186.5	3.587	-2.80	62.5	SO409	.07180	8.3687	0.4	V
	9007	57734.18	2 54S	78 60W	107.2	186.5	2.390	32.55	62.6	SO409	.03070	6.6521	0.6	A
1871	9001	62446.98	37 11N	94 29W	74.6	188.2	2.881	-7.35	64.8	SO409	.05390	9.7222	0.8	F
	9002	62452.38	37 11N	94 29W	74.5	188.2	2.881	-6.30	64.8	SO409	.05390	9.7387	0.6	A
	9003	62611.38	25 55N	97 30W	84.5	187.2	2.881	-28.00	70.6	SO409	.05390	8.5420	0.6	F
	9004	62614.38	25 55N	97 29W	83.1	187.2	2.881	-27.30	70.6	SO409	.05390	8.8144	0.6	V
	9005	62714.78	18 57N	98 25W	77.6	186.9	3.092	-12.60	72.1	SO409	.05390	9.4499	0.6	V
	9006	62717.58	18 58N	98 25W	78.5	186.9	3.439	-12.60	72.2	SO409	.05390	9.2353	0.6	A
1876	5001	2303.17	56 20N	160 52E	76.1	191.8	2.037	-8.75	48.9	SO130	.02210	9.5168	0.8	F
	5002	2308.77	56 20N	160 51E	76.1	191.7	2.037	-8.40	48.9	SO130	.02210	9.5498	0.8	A
	9001	2281.17	57 57N	162 2E	75.3	192.3	2.037	2.10	47.5	SO409	.05390	9.7470	0.6	V
	9002	2283.97	57 57N	162 2E	76.2	192.3	2.037	2.45	47.5	SO409	.05390	9.5241	0.6	A
	9003	2289.17	57 15N	161 33E	75.7	192.1	2.037	-1.75	48.1	SO409	.05390	9.5902	0.6	F
	9004	2290.57	57 9N	161 31E	75.9	192.1	2.037	-1.75	48.2	SO409	.05390	9.5654	0.4	F
	9005	2293.37	57 9N	161 31E	74.9	192.0	2.037	-1.40	48.2	SO409	.05390	9.8047	0.4	V
	9006	2295.97	57 10N	161 31E	75.8	192.0	2.037	-1.05	48.2	SO409	.05390	9.5819	0.4	A
	9007	2303.37	56 19N	160 51E	76.2	191.8	2.037	-8.75	48.9	SO409	.05390	9.5159	0.6	F
	9008	2308.77	56 20N	160 51E	76.1	191.7	2.037	-8.40	48.9	SO409	.05390	9.5489	0.6	A
	9009	2351.97	53 6N	158 23E	91.4	190.9	1.484	-35.70	51.5	SO409	.04070	7.8900	0.6	F
	9010	2358.57	53 6N	158 23E	90.7	190.8	1.690	-35.35	51.6	SO409	.05390	8.0303	0.4	A
1877	9001	7696.57	50 55N	136 52E	74.1	190.3	2.181	-2.45	53.7	SO409	.05390	9.9203	0.6	V
	9002	7699.37	50 55N	136 51E	74.9	190.3	2.390	-2.45	53.7	SO409	.05390	9.6974	0.6	A
	9003	7703.57	50 36N	136 56E	75.2	190.2	2.390	2.80	54.1	SO409	.07180	9.6479	0.6	A
	9004	7709.77	50 2N	136 27E	74.1	190.2	2.390	-5.60	54.5	SO409	.07180	9.9203	0.4	V
	9005	7712.37	50 2N	136 28E	74.9	190.1	2.390	-5.25	54.5	SO409	.07180	9.6974	0.6	A
	9006	7725.97	48 46N	135 48E	76.2	189.9	2.390	-13.30	55.5	SO409	.07180	9.5159	0.4	F
	9007	7728.57	48 46N	135 48E	75.2	189.9	2.390	-12.95	55.5	SO409	.07180	9.7717	0.4	V
	9008	7733.37	48 29N	135 22E	78.6	189.8	2.181	-22.05	55.7	SO409	.05390	9.3343	0.6	V
	9009	7736.17	48 29N	135 22E	79.4	189.8	2.390	-22.05	55.7	SO409	.05390	9.1610	0.8	A
	9010	7740.37	48 1N	135 6E	80.5	189.7	2.181	-25.55	56.0	SO409	.05390	9.1362	0.6	V
	9011	7743.17	48 2N	135 6E	81.2	189.7	2.181	-25.20	56.0	SO409	.05390	8.9712	0.8	A
	9012	7792.97	44 14N	133 27E	94.2	189.1	1.826	-39.20	58.9	SO409	.05390	7.6507	0.4	F
	9013	7799.57	44 15N	133 27E	93.5	189.0	2.037	-38.85	58.9	SO409	.05390	7.7493	0.4	A
	9014	7808.37	43 7N	134 18E	74.9	189.0	2.738	-8.40	60.2	SO409	.07180	9.6892	0.4	F
	9015	7813.57	43 7N	134 18E	74.8	188.9	2.738	-7.70	60.2	SO409	.07180	9.7222	0.4	A
	9016	8836.77	27 9S	119 55E	114.9	187.3	3.232	-25.20	40.6	SO409	.05390	6.3220	0.6	V
	9017	8841.17	27 10S	119 55E	115.5	187.4	3.232	-24.85	40.6	SO409	.05390	6.1734	0.6	A
1878	9001	12992.97	51 48N	113 48E	88.4	190.6	1.690	-33.60	52.7	SO409	.05390	8.1789	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887
~~Top Secret GAMBIT~~

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	ERROR
1878	9002	12997.17	51 42N	113 60E	83.1	190.5	1.690	-28.70	52.8	S0409	.07180	8.8309	0.6	V
	9003	13000.17	51 43N	113 60E	83.8	190.5	2.037	-28.70	52.8	S0409	.07180	8.6906	0.6	A
	9004	13049.77	48 7N	114 43E	82.9	189.7	2.181	23.80	56.4	S0409	.05390	8.7484	0.6	A
	9005	13152.37	40 47N	111 59E	74.9	188.6	2.738	6.30	62.2	S0409	.07180	9.7140	1.2	F
	9006	13157.77	40 47N	111 59E	75.1	188.6	2.738	7.00	62.2	S0409	.07180	9.6644	1.0	A
	9007	13176.77	39 7N	111 31E	74.6	188.4	2.881	5.25	63.5	S0409	.07180	9.7552	0.4	F
	9008	13179.37	39 7N	111 31E	73.8	188.4	2.881	5.60	63.5	S0409	.07180	9.9615	0.4	V
	9009	13181.97	39 7N	111 31E	74.8	188.4	2.881	5.95	63.5	S0409	.07180	9.7057	0.4	A
	9010	13190.77	38 10N	111 11E	74.1	188.3	2.881	1.40	64.1	S0409	.07180	9.8130	0.4	F
	9011	13195.97	38 10N	111 11E	74.2	188.3	2.881	2.10	64.1	S0409	.07180	9.7800	0.4	A
	9012	13240.37	35 2N	109 31E	83.0	188.0	2.530	-29.75	65.8	S0409	.05390	8.8309	0.4	V
	9013	13243.37	35 2N	109 31E	83.9	187.9	2.738	-29.75	65.8	S0409	.05390	8.6823	0.4	A
	9014	13249.17	34 14N	108 52E	97.9	187.9	2.181	-42.00	66.1	S0409	.04070	7.3866	0.6	F
	9015	13251.77	34 4N	108 49E	98.4	187.9	2.181	-42.35	66.2	S0409	.05390	7.3453	0.4	F
	9016	13256.17	34 14N	108 53E	96.7	187.8	2.390	-41.30	66.1	S0409	.04070	7.5352	0.4	A
	9017	13258.77	34 4N	108 50E	97.2	187.8	2.390	-41.65	66.2	S0409	.05390	7.4939	0.4	A
	9018	13358.17	27 2N	108 34E	75.6	187.3	3.232	-3.15	70.7	S0409	.05390	9.5984	0.6	A
	9019	13368.37	26 14N	107 36E	86.5	187.3	2.738	-32.55	70.3	S0409	.05390	8.4760	0.6	V
	9020	13371.57	26 14N	107 36E	87.3	187.2	2.738	-32.20	70.3	S0409	.05390	8.3357	0.6	A
	9021	13376.37	25 53N	107 39E	83.9	187.2	3.092	-28.70	70.6	S0409	.05390	8.6741	0.4	A
	9022	13384.97	25 12N	108 11E	76.4	187.2	3.232	-3.50	71.3	S0409	.05390	9.4911	0.4	A
	9023	13388.57	24 45N	108 6E	75.5	187.2	3.232	-3.85	71.5	S0409	.05390	9.7222	0.6	V
	9024	13391.57	24 21N	108 2E	76.4	187.2	3.232	-3.85	71.6	S0409	.05390	9.4994	0.4	F
	9025	13397.17	23 57N	108 5E	76.8	187.1	3.232	1.40	71.8	S0409	.05390	9.4581	0.4	F
	9026	13403.57	23 41N	108 11E	77.3	187.1	3.092	8.40	72.0	S0409	.05390	9.4911	0.4	V
	9027	13410.57	22 57N	108 28E	86.1	187.1	2.881	23.45	72.5	S0409	.05390	8.4760	0.6	F
	9028	13413.57	22 57N	108 28E	85.4	187.1	2.881	23.80	72.5	S0409	.05390	8.5998	0.6	V
	9029	13418.17	22 52N	108 15E	82.5	187.1	2.881	17.85	72.4	S0409	.05390	8.7649	0.4	A
	9030	13420.57	22 42N	108 13E	82.3	187.1	2.881	17.50	72.4	S0409	.05390	8.7896	0.4	A
	9031	13433.17	21 53N	107 23E	77.5	187.0	3.439	-9.80	72.0	S0409	.05390	9.3673	0.4	A
	9032	13440.97	20 58N	107 9E	78.7	187.0	3.232	-13.30	72.0	S0409	.07180	9.2023	0.8	F
	9033	13446.57	20 59N	107 9E	78.6	187.0	3.439	-12.25	72.1	S0409	.07180	9.2270	1.0	A
	9034	13497.97	17 12N	106 51E	78.5	186.8	3.232	4.20	72.4	S0409	.05390	9.3343	0.6	V
	9035	13500.77	17 12N	106 51E	79.6	186.8	3.232	4.55	72.5	S0409	.05390	9.0867	0.6	A
	9036	13610.37	9 38N	105 60E	92.2	186.6	2.881	24.15	70.7	S0409	.05390	7.7993	0.6	A
1879	5001	18235.17	56 24N	95 30E	78.4	191.8	2.037	15.40	48.9	S0130	.03080	9.3765	0.8	V
	5002	18238.17	56 24N	95 29E	79.4	191.8	1.826	15.75	48.9	S0130	.03080	9.1619	0.8	A
	9001	18117.57	64 8N	99 34E	78.5	195.2	1.690	9.45	41.7	S0409	.07180	9.2435	0.8	F
	9002	18123.17	64 8N	99 35E	78.6	195.0	1.484	10.50	41.7	S0409	.07180	9.2270	0.8	A
	9003	18167.17	60 50N	97 28E	78.0	193.5	1.826	9.10	44.8	S0409	.07180	9.3096	0.8	F
	9004	18172.77	60 50N	97 27E	78.0	193.4	1.690	9.45	44.8	S0409	.07180	9.3013	0.8	A
	9005	18232.57	56 23N	95 29E	79.2	191.9	2.037	15.05	48.9	S0409	.07180	9.1858	0.4	F
	9006	18235.37	56 23N	95 29E	78.4	191.8	2.037	15.40	48.9	S0409	.07180	9.3756	0.4	V
	9007	18451.97	41 36N	88 28E	95.8	188.7	1.826	-40.95	60.9	S0409	.04070	7.5187	0.4	F
	9008	18455.37	41 36N	88 28E	94.4	188.7	2.037	-40.95	60.9	S0409	.04070	7.7745	0.4	V
	9009	18465.37	40 48N	89 24E	73.7	188.6	2.738	-9.45	62.0	S0409	.05390	9.9698	0.6	V
	9010	18468.17	40 48N	89 24E	74.5	188.6	2.738	-9.10	62.0	S0409	.05390	9.7552	0.4	A
	9011	18727.37	22 41N	86 21E	87.2	187.1	2.738	25.90	72.7	S0409	.05390	8.4182	0.6	V
	9012	18730.57	22 41N	86 22E	88.9	187.1	2.738	26.60	72.7	S0409	.05390	8.1129	0.6	A
	9013	18754.17	20 56N	85 10E	76.8	187.0	3.439	-6.65	72.2	S0409	.05390	9.5489	0.6	V
	9014	18757.17	20 55N	85 10E	77.8	187.0	3.439	-5.95	72.2	S0409	.05390	9.3178	0.4	A
1880	5001	23625.77	51 4N	71 29E	82.9	190.4	2.037	23.10	53.8	S0130	.02210	8.7574	1.0	A
	9001	23349.97	69 14N	81 29E	78.9	198.8	1.338	4.90	36.8	S0409	.07180	9.1775	0.4	F
	9002	23355.57	69 14N	81 29E	78.9	198.5	1.135	5.60	36.7	S0409	.07180	9.1940	0.4	A
	9003	23559.97	55 6N	73 14E	84.8	191.5	2.037	24.85	50.2	S0409	.07180	8.5750	0.4	F
	9004	23564.17	54 60N	73 22E	86.9	191.4	1.826	28.70	50.3	S0409	.05390	8.4678	0.4	V
	9005	23567.37	54 60N	73 22E	88.2	191.4	1.826	29.05	50.3	S0409	.05390	8.2202	0.4	A
	9006	23699.97	45 47N	67 50E	86.4	189.4	2.037	-32.20	57.7	S0409	.05390	8.3687	1.2	F
	9007	23706.17	45 47N	67 50E	85.7	189.3	2.181	-31.50	57.8	S0409	.05390	8.4925	1.0	A
	9008	23743.17	42 48N	67 26E	78.9	188.9	2.390	-21.35	60.3	S0409	.05390	9.1775	1.0	F
	9009	23748.77	42 48N	67 26E	78.5	188.8	2.530	-20.65	60.3	S0409	.05390	9.2600	1.0	A
	9010	23786.17	39 53N	66 15E	87.5	188.5	2.181	-33.60	62.4	S0409	.05390	8.2449	0.6	F
	9011	23791.77	39 55N	66 16E	87.0	188.5	2.390	-33.25	62.3	S0409	.05390	8.3770	1.2	A
	9012	23945.77	28 49N	64 55E	76.0	187.5	3.092	5.25	70.0	S0409	.05390	9.5654	0.6	F
	9013	23948.57	28 48N	64 55E	75.1	187.4	3.092	5.60	70.0	S0409	.05390	9.7800	0.6	V
	9014	23951.57	28 47N	64 55E	76.1	187.4	3.092	5.95	70.0	S0409	.05390	9.5159	0.4	A
1881	5001	28899.97	53 3N	49 43E	77.6	190.9	2.181	12.25	51.9	S0130	.03080	9.3600	1.2	F
	5002	28905.57	53 3N	49 43E	77.9	190.8	2.181	12.95	51.9	S0130	.03080	9.3187	1.4	A
	5003	28928.97	51 38N	47 40E	83.0	190.4	2.037	-27.30	52.8	S0130	.02210	8.7749	0.6	A
	5004	28939.17	50 44N	47 21E	82.7	190.3	2.037	-28.35	53.6	S0130	.02210	8.8730	0.6	V
	5005	28949.37	49 54N	48 17E	74.5	190.1	2.390	4.55	54.6	S0130	.03080	9.8552	1.0	V
	5006	28988.57	47 34N	46 24E	82.7	189.6	2.181	-27.30	56.3	S0130	.02210	8.8070	1.0	A
	9001	28719.37	65 15N	57 18E	88.0	195.8	1.338	28.00	40.7	S0409	.07180	8.3440	1.0	V
	9002	28722.57	65 15N	57 19E	89.3	195.7	1.338	28.35	40.7	S0409	.07180	8.1129	1.0	A
	9003	28734.57	64 12N	55 17E	78.1	195.2	1.690	7.70	41.6	S0409	.07180	9.2848	0.8	F
	9004	28740.17	64 12N	55 18E	78.2	195.0	1.484	8.75	41.6	S0409	.07180	9.2765	0.8	A
	9005	28750.97	63 37N	53 41E	78.8	194.6	1.484	-14.35	42.1	S0409	.07180	9.2188	1.2	A
	9006	28822.97	58 22N	52 40E	84.1	192.5	1.826	24.85	47.1	S0409	.07180	8.7484	0.6	V
	9007	28825.97	58 23N	52 41E	85.3	192.4	1.826	25.20	47.1	S0409	.07180	8.5008	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLF RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1881 9008	28854.37	56 13N	50 25E	75.5	191.8	2.037	-3.15	49.0	SO409	.07180	9.6067	0.4	F
9009	28863.77	55 53N	49 3E	85.6	191.6	1.690	-30.80	49.1	SO409	.07180	8.5750	0.6	V
9010	28866.97	55 53N	49 3E	86.2	191.5	1.690	-30.45	49.1	SO409	.07180	8.4347	0.6	A
9011	28882.37	54 24N	48 38E	84.2	191.2	1.690	-28.00	50.4	SO409	.07180	8.5915	0.8	F
9012	28888.37	54 24N	48 38E	83.5	191.1	1.826	-27.30	50.4	SO409	.07180	8.6988	0.8	A
9013	28900.17	53 2N	49 43E	77.7	190.9	2.181	12.25	51.9	SO409	.07180	9.3591	1.0	F
9014	28905.77	53 2N	49 43E	77.9	190.8	2.181	12.95	51.9	SO409	.07180	9.3178	0.8	A
9015	28918.57	52 7N	47 57E	80.5	190.6	2.037	-24.85	52.4	SO409	.07180	9.1115	0.6	V
9016	28921.57	52 7N	47 57E	81.2	190.6	2.037	-24.50	52.4	SO409	.07180	8.9547	0.6	A
9017	28967.57	48 32N	47 18E	75.7	189.9	2.390	-11.55	55.7	SO409	.07180	9.5737	0.6	F
9018	28970.37	48 32N	47 18E	74.8	189.8	2.390	-11.20	55.7	SO409	.07180	9.8212	0.4	V
9019	28975.97	48 12N	46 43E	79.9	189.8	2.181	-24.50	55.8	SO409	.07180	9.1775	0.4	V
9020	28978.77	48 12N	46 43E	80.7	189.7	2.181	-24.15	55.8	SO409	.07180	9.0124	0.4	A
9021	29039.57	43 38N	45 32E	78.9	189.0	2.390	-21.35	59.6	SO409	.04070	9.1775	1.0	F
9022	29044.37	43 19N	45 19E	81.1	189.0	2.390	-25.55	59.8	SO409	.05390	8.9217	0.4	F
9023	29049.17	43 12N	45 11E	81.7	188.9	2.390	-28.00	59.9	SO409	.04070	8.9877	0.6	V
9024	29052.17	43 12N	45 11E	82.4	188.9	2.390	-27.65	59.9	SO409	.04070	8.8309	0.6	A
9025	29064.97	42 5N	45 13E	76.4	188.8	2.530	-18.55	60.9	SO409	.07180	9.5984	0.6	V
9026	29069.57	41 34N	45 9E	76.8	188.7	2.530	-18.80	61.3	SO409	.07180	9.4251	1.0	F
9027	29072.97	41 31N	45 8E	75.8	188.7	2.530	-18.45	61.3	SO409	.07180	9.6809	0.4	V
9028	29075.77	41 31N	45 8E	76.6	188.7	2.738	-16.45	61.3	SO409	.07180	9.4911	0.4	A
9029	29077.17	41 26N	45 6E	76.6	188.7	2.738	-16.45	61.4	SO409	.07180	9.4829	0.4	A
9030	29088.97	40 27N	44 39E	77.9	188.6	2.530	-23.10	62.1	SO409	.07180	9.4168	0.6	V
9031	29096.17	40 13N	44 9E	88.3	188.5	2.390	-35.00	62.1	SO409	.05390	8.2449	1.0	A
9032	29148.37	33 22N	43 36E	75.1	187.8	3.092	-2.45	67.3	SO409	.04070	9.6644	0.8	F
9033	29193.77	33 22N	43 36E	75.2	187.8	3.092	-1.40	67.3	SO409	.04070	9.6479	0.8	A
9034	29444.57	15 44N	39 58E	79.6	186.8	3.439	-7.35	72.0	SO409	.05390	9.1032	0.6	F
9035	29447.37	15 44N	39 57E	78.7	186.8	3.439	-7.00	72.0	SO409	.05390	9.3096	0.6	V
1882 5001	34150.57	57 26N	28 14E	78.4	192.0	2.037	-17.15	47.7	SO130	.03080	9.2774	0.8	A
5002	34200.37	53 27N	28 30E	87.8	191.0	2.037	28.70	51.7	SO130	.02210	8.3035	0.8	F
5003	34206.77	53 26N	28 29E	88.3	190.9	1.826	29.40	51.7	SO130	.02210	8.1962	1.0	A
5004	34236.97	51 31N	26 15E	75.4	190.4	2.390	-9.10	53.1	SO130	.03080	9.6571	0.8	A
9001	33981.17	68 32N	33 17E	99.3	196.0	0.636	-38.50	37.3	SO409	.05390	7.2711	0.4	F
9002	33988.37	68 32N	33 17E	98.6	197.6	0.995	-38.50	37.3	SO409	.05390	7.3618	0.4	A
9003	34006.17	66 41N	34 19E	77.7	196.7	1.338	-4.55	39.2	SO409	.09620	9.3178	0.4	F
9004	34007.17	66 37N	34 16E	77.7	196.7	1.338	-4.55	39.2	SO409	.09620	9.3261	0.8	F
9005	34011.77	66 41N	34 19E	77.6	196.5	1.338	-4.20	39.2	SO409	.09620	9.3508	0.4	A
9006	34012.77	66 37N	34 16E	77.6	196.4	1.338	-4.20	39.2	SO409	.09620	9.3508	0.8	A
9007	34020.57	65 60N	34 42E	79.4	196.1	1.484	11.55	39.9	SO409	.07180	9.1280	0.4	A
9008	34100.77	60 18N	30 45E	77.3	193.3	1.826	7.70	45.2	SO409	.07180	9.3921	1.4	F
9009	34106.37	60 17N	30 45E	77.4	193.1	1.826	8.40	45.3	SO409	.07180	9.3756	1.4	A
9010	34112.17	59 45N	30 3E	75.1	193.0	1.826	-1.05	45.7	SO409	.07180	9.7717	0.6	V
9011	34114.97	59 45N	30 3E	76.0	192.9	1.826	-0.70	45.7	SO409	.07180	9.5489	0.4	A
9012	34130.77	58 11N	30 20E	83.0	192.5	2.037	21.70	47.3	SO409	.07180	8.7566	1.0	F
9013	34136.77	58 11N	30 20E	83.5	192.4	1.826	22.75	47.3	SO409	.07180	8.6823	1.0	A
9014	34150.77	57 25N	28 14E	78.3	192.0	2.037	-17.15	47.8	SO409	.07180	9.2765	0.4	A
9015	34154.77	57 8N	28 11E	77.7	192.0	2.037	-15.40	48.0	SO409	.07180	9.3508	0.4	A
9016	34161.57	56 15N	28 19E	75.4	191.8	2.037	-3.15	48.9	SO409	.07180	9.6149	0.8	F
9017	34166.97	56 15N	28 20E	75.4	191.7	2.037	-2.45	48.9	SO409	.07180	9.6314	0.8	A
9018	34178.57	55 11N	26 54E	82.8	191.5	1.826	-26.25	49.7	SO409	.07180	8.7236	1.0	F
9019	34181.97	55 9N	26 54E	81.6	191.4	1.826	-25.90	49.7	SO409	.07180	8.9794	0.6	V
9020	34192.77	54 3N	28 4E	78.2	191.2	2.181	13.65	51.0	SO409	.07180	9.2931	0.6	F
9021	34200.17	53 27N	28 30E	87.8	191.1	2.037	28.70	51.6	SO409	.05390	8.3027	1.0	F
9022	34206.37	53 27N	28 30E	88.2	190.9	1.826	29.40	51.6	SO409	.05390	8.1954	0.6	A
9023	34214.17	52 57N	27 55E	82.0	190.8	2.037	21.35	52.0	SO409	.07180	8.8474	0.6	A
9024	34218.97	52 12N	27 52E	85.5	190.7	2.037	26.25	52.8	SO409	.07180	8.5255	0.6	F
9025	34221.97	52 12N	27 52E	84.8	190.7	2.037	26.60	52.8	SO409	.07180	8.6741	0.6	V
9026	34230.37	51 55N	26 52E	75.4	190.5	2.181	4.55	52.8	SO409	.07180	9.6149	0.4	A
9027	34246.97	50 22N	26 40E	78.0	190.3	2.390	13.65	54.3	SO409	.07180	9.3343	0.8	F
9028	34252.77	50 22N	26 40E	78.1	190.2	2.181	14.35	54.3	SO409	.07180	9.2765	0.4	A
9029	34261.77	49 38N	25 42E	73.9	190.1	2.390	-6.65	54.7	SO409	.07180	9.9368	0.4	V
9030	34269.77	48 58N	24 45E	82.3	190.0	2.037	-26.95	55.1	SO409	.07180	8.7814	0.4	F
9031	34272.57	48 58N	24 45E	81.1	189.9	2.037	-26.60	55.1	SO409	.07180	9.0455	0.6	V
9032	34275.97	48 32N	24 36E	82.4	189.9	2.037	-27.30	55.5	SO409	.07180	8.7731	0.6	F
9033	34281.77	48 33N	24 36E	82.0	189.8	2.181	-26.95	55.5	SO409	.07180	8.8804	0.6	A
9034	34336.97	44 20N	23 50E	76.3	189.1	2.530	-15.05	59.1	SO409	.07180	9.4911	0.6	F
9035	34341.97	44 22N	23 50E	76.1	189.1	2.530	-14.35	59.1	SO409	.07180	9.5489	1.4	A
9036	34353.77	43 18N	24 9E	74.4	189.0	2.530	5.25	60.2	SO409	.07180	9.8790	0.6	V
9037	34361.97	42 47N	23 35E	73.7	188.9	2.530	-8.75	60.4	SO409	.07180	9.9615	0.4	V
9038	34364.57	42 48N	23 35E	74.6	188.9	2.738	-8.75	60.4	SO409	.07180	9.7470	0.6	A
9039	34374.97	41 55N	23 8E	75.7	188.8	2.530	-16.45	61.0	SO409	.07180	9.6892	0.6	V
9040	34377.77	41 55N	23 7E	76.5	188.7	2.530	-16.10	61.0	SO409	.07180	9.4911	0.6	A
9041	34508.37	32 35N	20 39E	82.1	187.7	2.738	-26.25	67.4	SO409	.05390	8.8061	0.4	F
9042	34511.17	32 35N	20 39E	80.8	187.7	2.738	-25.55	67.4	SO409	.05390	9.0867	0.6	V
9043	34518.77	32 5N	20 22E	84.8	187.7	2.530	-31.15	67.6	SO409	.05390	8.6328	0.4	V
9044	34521.77	32 6N	20 22E	85.4	187.7	2.738	-30.80	67.6	SO409	.05390	8.5173	0.4	A
9045	35065.77	5 47S	13 28E	98.9	186.6	3.439	-27.30	59.4	SO409	.05390	7.2546	1.0	F
9046	35072.97	5 48S	13 28E	98.5	186.6	3.587	-26.25	59.4	SO409	.05390	7.3123	1.0	A
9047	35113.97	8 53S	13 10E	94.7	186.6	3.439	-18.20	57.0	SO409	.05390	7.6755	0.8	V
9048	35117.37	8 52S	13 10E	95.8	186.6	3.439	-17.85	57.0	SO409	.05390	7.4939	1.0	A
1883 5001	39828.57	31 46N	0 32W	78.0	187.7	2.881	15.40	68.5	SO130	.02210	9.4177	1.0	V
5002	39831.77	31 45N	0 32W	79.2	187.7	2.881	15.75	68.6	SO130	.02210	9.1454	0.8	A
9001	39571.37	49 9N	4 27E	82.2	190.0	2.390	22.05	55.4	SO409	.07180	8.8556	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1883 9002	39577.17	49 9N	4 28E	82.7	190.0	2.181	23.10	55.4	S0409	.07180	8.7649	1.0	A
9003	39769.37	35 45N	0 41W	80.0	188.0	2.530	-23.10	65.4	S0409	.07180	9.0290	0.8	F
9004	39774.97	35 46N	0 41W	79.8	188.0	2.738	-22.75	65.4	S0409	.07180	9.1197	1.0	A
9005	39787.57	34 32N	1 25W	90.6	187.9	2.181	-36.75	66.0	S0409	.05390	7.9478	0.6	F
9006	39790.77	34 32N	1 26W	89.3	187.9	2.390	-36.75	66.0	S0409	.05390	8.2119	0.6	V
9007	39828.77	31 45N	0 32W	78.0	187.7	2.881	15.40	68.6	S0409	.05390	9.4168	0.6	V
9008	39831.77	31 45N	0 32W	79.1	187.7	2.881	15.75	68.6	S0409	.05390	9.1445	0.6	A
1885 9001	51222.97	22 8S	54 55W	102.5	187.0	3.232	4.90	45.9	S0409	.05390	6.9987	1.4	F
9002	51229.77	22 38S	54 49W	104.9	187.0	3.092	10.50	45.5	S0409	.05390	6.8502	0.6	F
9003	51238.57	22 44S	54 8W	122.4	187.1	2.181	30.45	45.8	S0409	.04070	5.7938	1.4	A
9004	51243.37	23 23S	54 10W	123.3	187.1	2.181	31.85	45.2	S0409	.05390	5.8681	1.2	V
9005	51253.17	23 58S	55 3W	105.5	187.1	2.738	11.90	44.3	S0409	.05390	6.8502	1.2	V
9006	51258.37	24 3S	54 57W	109.3	187.1	2.738	15.75	44.3	S0409	.05390	6.4870	1.2	A
9007	51261.37	24 15S	54 59W	109.5	187.2	2.738	15.75	44.1	S0409	.05390	6.4788	1.0	A
9008	51309.17	27 18S	57 7W	116.5	187.4	3.439	-26.95	40.6	S0409	.05390	6.1239	1.2	A
9009	51324.57	29 1S	56 31W	107.2	187.4	3.092	-2.10	39.4	S0409	.05390	6.6603	1.2	F
9010	51337.17	29 25S	58 0W	132.4	187.5	3.092	-38.85	38.4	S0409	.05390	5.4389	1.2	V
9011	51378.97	32 20S	58 3W	115.8	187.7	3.092	-22.40	36.0	S0409	.05390	6.2229	1.0	V
9012	51387.37	32 55S	57 58W	112.9	187.8	3.092	-16.80	35.5	S0409	.05390	6.3797	1.2	V
9013	51399.37	33 56S	59 12W	136.6	187.8	2.738	-37.45	34.2	S0409	.05390	5.1996	0.6	F
9014	51404.17	33 56S	59 12W	134.9	187.9	2.738	-37.10	34.2	S0409	.05390	5.3399	0.8	V
9015	51411.97	34 34S	58 22W	114.5	187.9	3.092	-17.15	34.0	S0409	.07180	6.2890	0.4	V
9016	51416.17	34 34S	58 22W	115.9	187.9	3.092	-16.45	34.0	S0409	.07180	6.1322	0.6	A
9017	51451.17	37 42S	57 25W	126.1	188.2	2.390	22.05	31.7	S0409	.05390	5.6535	0.6	F
9018	51455.77	37 42S	57 25W	125.5	188.2	2.181	22.75	31.7	S0409	.05390	5.7278	0.6	V
9019	51465.77	38 19S	58 5W	117.5	188.3	2.530	11.20	30.9	S0409	.05390	6.1156	1.0	V
9020	51471.57	38 23S	58 26W	116.6	188.3	2.738	3.85	30.7	S0409	.05390	6.0579	1.0	A
9021	51651.37	51 21S	59 18W	174.9	190.3	1.135	42.00	19.2	S0409	.05390	4.0524	4.4	F
9022	51665.37	51 25S	59 39W	168.5	190.5	0.787	39.55	19.0	S0409	.05390	4.1514	8.2	A
1886 5001	56047.17	11 11N	72 17W	97.8	186.6	3.092	-37.80	69.9	S0130	.01660	7.4781	1.0	V
5002	56054.17	11 0N	72 34W	107.7	186.6	3.092	-43.75	69.6	S0130	.01660	6.7517	1.4	A
5003	56176.97	2 28N	73 30W	93.5	186.5	3.587	-27.30	65.5	S0130	.02210	7.7587	1.4	A
9001	56071.57	9 7N	71 8W	88.2	186.6	3.092	18.55	70.4	S0409	.05390	8.2367	0.8	F
9002	56076.56	9 1N	71 22W	83.6	186.6	3.092	10.85	70.2	S0409	.05390	8.7566	0.6	V
9003	56091.56	8 17N	72 16W	86.1	186.6	3.587	-20.30	69.1	S0409	.04070	8.4017	1.4	A
9004	56097.97	7 50N	72 13W	84.4	186.6	3.587	-15.05	69.0	S0409	.04070	8.5668	1.2	A
9005	56109.56	6 58N	71 53W	83.9	186.6	3.439	4.90	69.0	S0409	.05390	8.5915	0.6	A
9006	56114.57	6 12N	71 56W	84.4	186.6	3.439	7.00	68.6	S0409	.05390	8.5915	0.8	F
9007	56129.37	5 44N	72 58W	91.6	186.5	3.439	-29.05	67.5	S0409	.04070	7.6983	1.4	A
9008	56139.97	4 32N	73 8W	92.9	186.5	3.232	-28.35	66.8	S0409	.05390	7.7662	1.4	F
9009	56170.16	2 26N	73 10W	87.1	186.5	3.439	-15.75	65.8	S0409	.05390	8.2862	0.8	F
9010	56177.17	2 27N	73 30W	93.5	186.5	3.587	-27.30	65.5	S0409	.05390	7.7580	0.8	A
9011	56201.16	0 32N	73 35W	88.3	186.5	3.439	-18.20	64.4	S0409	.05390	8.2697	1.0	V
9012	56215.56	0 8S	74 15W	103.2	186.5	3.439	-35.70	63.5	S0409	.04070	7.0070	1.0	A
9013	56412.97	13 42S	76 13W	100.0	186.7	3.587	-19.95	53.0	S0409	.04070	7.1803	1.0	A
9014	56430.97	15 4S	74 48W	118.9	186.8	2.181	33.25	52.7	S0409	.04070	5.9753	1.2	A
1887 9001	60900.36	42 13N	87 51W	84.1	188.8	2.181	-31.15	60.5	S0409	.05390	8.7153	7.4	V
1893 5001	6182.36	53 35N	143 6E	82.3	191.0	1.826	-25.55	50.9	S0130	.03080	8.7904	0.4	F
5002	6188.36	53 35N	143 5E	82.2	190.9	2.037	-25.55	51.0	S0130	.03080	8.8647	0.4	A
5003	6265.16	48 2N	142 12E	74.0	189.8	2.390	1.40	56.0	S0130	.03080	9.9377	0.8	V
5004	6437.76	35 57N	139 28E	81.0	188.1	2.738	19.95	65.8	S0130	.02210	8.9968	0.8	F
5005	6443.56	35 57N	139 29E	81.9	188.0	2.530	21.35	65.8	S0130	.02210	8.8647	0.8	A
9001	6182.36	53 35N	143 6E	82.4	191.0	1.826	-25.55	51.0	S0409	.07180	8.7896	0.4	F
9002	6185.16	53 35N	143 5E	81.4	191.0	1.826	-25.55	50.9	S0409	.09620	9.0124	0.4	V
9003	6236.76	49 46N	142 52E	75.3	190.1	2.390	3.85	54.5	S0409	.05390	9.6479	0.8	F
9004	6242.16	49 46N	142 52E	75.3	190.1	2.390	4.55	54.5	S0409	.05390	9.6314	0.8	A
9005	6274.96	47 3N	142 47E	84.9	189.6	2.390	25.90	57.1	S0409	.05390	8.5833	0.4	F
9006	6276.16	46 58N	142 45E	85.0	189.6	2.390	25.90	57.1	S0409	.05390	8.5750	0.4	F
9007	6279.36	46 58N	142 40E	82.6	189.6	2.390	24.15	57.1	S0409	.05390	8.9052	0.4	V
9008	6282.36	46 58N	142 40E	83.9	189.5	2.181	24.85	57.1	S0409	.05390	8.6411	0.4	A
9009	6286.36	46 41N	142 48E	88.6	189.5	2.181	30.10	57.4	S0409	.05390	8.1789	1.4	A
9010	6437.56	35 57N	139 28E	81.1	188.1	2.738	19.95	65.8	S0409	.05390	8.9959	1.0	F
9011	6443.56	35 57N	139 29E	81.9	188.0	2.530	21.35	65.8	S0409	.05390	8.8639	0.8	A
1894 5001	11807.56	31 47N	116 32E	84.8	187.7	2.738	24.50	68.6	S0312	.03080	8.6006	0.4	F
5002	11810.56	31 47N	116 31E	84.2	187.7	2.738	24.85	68.6	S0312	.03080	8.7327	0.4	V
5003	12146.56	8 40N	111 55E	88.9	186.6	3.092	20.65	70.3	S0312	.03080	8.2292	0.8	V
9001	11642.56	43 40N	118 2E	78.8	189.0	2.530	-22.40	59.4	S0409	.07180	9.2270	0.8	A
9002	11680.96	40 37N	117 30E	75.2	188.6	2.738	-15.40	61.9	S0409	.07180	9.6314	0.6	F
9003	11685.56	40 19N	117 13E	78.4	188.6	2.530	-21.70	62.0	S0409	.05390	9.2270	0.4	F
9004	11688.36	40 8N	117 8E	79.3	188.5	2.530	-22.40	62.1	S0409	.05390	9.1197	0.6	F
9005	11694.36	39 45N	116 29E	91.8	188.5	2.181	-37.45	62.2	S0409	.05390	7.8570	0.4	F
9006	11700.96	39 44N	116 29E	91.1	188.4	2.390	-37.10	62.2	S0409	.05390	7.9973	0.4	A
9007	11708.56	39 7N	117 1E	77.3	188.4	2.738	-17.85	63.0	S0409	.05390	9.4086	0.6	A
9008	11737.36	36 42N	117 0E	74.9	188.1	2.881	1.75	65.0	S0409	.07180	9.7057	0.6	F
9009	11738.56	36 37N	116 59E	74.8	188.1	2.881	1.75	65.0	S0409	.07180	9.7222	0.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1894 9010	11742.76	36 29N	117 9E	75.2	188.1	2.881	9.10	65.2	S0409	.07180	9.7717	0.4	V
9011	11745.56	36 29N	117 9E	76.2	188.1	2.881	9.45	65.2	S0409	.07180	9.5076	0.4	A
9012	11767.36	34 29N	117 27E	92.4	187.9	2.530	32.90	67.0	S0409	.04070	7.9065	0.6	F
9013	11770.56	34 29N	117 27E	91.7	187.9	2.530	33.25	67.0	S0409	.04070	8.0221	0.6	V
9014	11777.96	34 14N	117 6E	85.5	187.9	2.530	25.90	67.0	S0409	.05390	8.4760	0.6	A
9015	11827.96	30 33N	114 18E	98.0	187.6	2.390	-41.65	68.0	S0409	.05390	7.3618	0.6	F
9016	11834.96	30 33N	114 18E	97.0	187.5	2.530	-40.95	68.0	S0409	.05390	7.5021	0.6	A
9017	11855.16	28 28N	115 57E	89.4	187.4	2.738	29.05	70.5	S0409	.05390	8.1541	0.6	F
9018	11857.96	28 30N	115 56E	87.9	187.4	2.530	28.70	70.5	S0409	.05390	8.3687	0.4	V
9019	11861.36	28 29N	115 55E	89.3	187.4	2.530	29.05	70.5	S0409	.05390	8.0964	0.4	A
9020	11872.56	27 43N	115 54E	93.9	187.4	2.390	33.25	71.0	S0409	.05390	7.6755	1.2	A
9021	11904.76	25 31N	114 58E	81.6	187.2	2.881	18.20	71.5	S0409	.05390	8.8639	0.6	A
9022	11915.36	24 39N	114 14E	75.4	187.2	3.232	-4.55	71.4	S0409	.05390	9.7387	0.4	V
9023	11917.96	24 40N	114 14E	76.3	187.2	3.232	-4.20	71.4	S0409	.05390	9.5076	0.4	A
9024	11935.96	23 6N	113 16E	86.7	187.1	2.881	-30.10	71.2	S0409	.07180	8.3192	0.4	F
9025	11941.16	23 10N	113 16E	86.3	187.1	3.092	-29.75	71.2	S0409	.05390	8.4265	0.4	A
9026	11942.16	23 6N	113 15E	86.4	187.1	3.092	-29.75	71.2	S0409	.05390	8.4182	0.4	A
9027	11953.56	21 52N	113 11E	83.2	187.0	3.092	-24.85	71.6	S0409	.05390	8.6906	0.6	F
9028	12252.96	1 37N	110 12E	85.9	186.5	3.439	2.10	65.7	S0409	.05390	8.3770	0.6	A
1895 5001	17031.96	37 50N	95 28E	74.9	188.3	2.738	13.30	64.3	S0312	.03080	9.8139	0.8	V
5002	17034.96	37 49N	95 28E	76.0	188.2	2.738	13.65	64.3	S0312	.03080	9.5581	0.8	A
9001	16761.96	56 13N	101 40E	79.0	191.8	2.037	17.15	48.8	S0409	.07180	9.3096	0.4	V
9002	16764.96	56 13N	101 40E	80.1	191.7	1.826	17.85	48.8	S0409	.07180	9.0620	0.4	A
9003	17196.16	26 45N	92 48E	77.3	187.3	3.092	6.30	70.8	S0409	.05390	9.3673	1.0	A
9004	17256.36	22 25N	91 49E	76.5	187.0	3.232	1.05	72.1	S0409	.05390	9.5902	0.6	V
9005	17259.16	22 26N	91 49E	77.5	187.0	3.232	1.40	72.1	S0409	.05390	9.3426	0.6	A
1896 5001	21873.36	69 23N	88 7E	78.9	198.8	1.135	9.80	36.3	S0312	.04000	9.2939	0.4	V
5002	21876.16	69 23N	88 7E	79.9	198.6	1.135	9.80	36.3	S0312	.04000	9.0958	0.4	A
5003	21898.56	67 31N	86 35E	80.8	197.4	1.484	13.65	38.2	S0312	.04000	8.9885	1.4	F
5004	21904.76	67 28N	86 39E	81.7	197.1	1.484	15.75	38.2	S0312	.04000	8.8895	1.4	A
9001	21904.16	67 30N	86 41E	81.6	197.1	1.484	15.75	38.2	S0409	.07180	8.8887	1.4	A
9002	22162.56	49 50N	78 5E	99.9	190.1	1.826	40.25	54.8	S0409	.05390	7.3784	1.2	V
9003	22166.36	49 49N	78 5E	101.6	190.1	1.826	40.60	54.8	S0409	.05390	7.1308	1.0	A
9004	22213.76	46 37N	74 30E	80.4	189.5	2.390	-25.90	56.9	S0409	.05390	9.1362	0.6	V
9005	22216.76	46 37N	74 30E	81.1	189.4	2.390	-25.55	56.9	S0409	.05390	8.9712	0.6	A
9006	22253.96	43 40N	73 45E	80.3	189.0	2.390	-24.50	59.3	S0409	.05390	9.0042	1.4	F
9007	22260.36	43 37N	73 45E	79.5	189.0	2.530	-23.10	59.4	S0409	.07180	9.1445	1.4	A
9008	22267.96	42 50N	74 8E	73.3	188.9	2.738	-4.90	60.2	S0409	.05390	10.0193	0.4	V
9009	22270.76	42 50N	74 6E	74.2	188.9	2.738	-5.60	60.2	S0409	.05390	9.7882	0.4	A
9010	22292.76	41 0N	73 2E	80.6	188.6	2.390	-25.20	61.4	S0409	.05390	8.9794	1.4	F
9011	22300.36	40 45N	72 18E	95.3	188.6	2.181	-41.30	61.3	S0409	.04070	7.6837	0.6	V
9012	22303.96	40 45N	72 18E	95.9	188.5	2.181	-40.95	61.3	S0409	.04070	7.5764	0.6	A
9013	22398.76	33 45N	72 50E	85.8	187.8	2.530	27.65	67.4	S0409	.05390	8.5750	0.6	V
9014	22401.96	33 45N	72 50E	87.2	187.8	2.530	28.00	67.4	S0409	.05390	8.2944	0.6	A
9015	22420.16	32 24N	71 27E	74.9	187.7	3.092	-10.85	67.6	S0409	.05390	9.7965	0.4	V
9016	22422.96	32 24N	71 27E	75.7	187.7	3.092	-10.15	67.6	S0409	.05390	9.5902	0.4	A
1897 5001	27205.76	67 35N	64 11E	78.9	197.4	1.484	8.40	38.1	S0312	.04000	9.1866	0.8	F
5002	27208.76	67 34N	64 11E	78.1	197.3	1.484	8.75	38.1	S0312	.04000	9.4012	0.6	V
5003	27211.56	67 34N	64 11E	79.0	197.1	1.484	8.75	38.1	S0312	.04000	9.1949	0.6	A
5004	27325.76	59 47N	56 50E	88.3	193.0	1.338	-31.85	45.2	S0312	.04000	8.1796	1.6	F
5005	27349.36	58 7N	56 58E	77.6	192.4	1.826	-14.35	46.9	S0312	.03080	9.3352	0.4	F
5006	27353.36	57 51N	56 45E	78.4	192.3	1.826	-16.80	47.1	S0312	.04000	9.2362	0.4	F
5007	27355.16	57 44N	56 41E	78.3	192.3	1.826	-16.80	47.2	S0312	.04000	9.2279	0.6	F
5008	27357.76	57 33N	56 38E	78.2	192.2	1.826	-16.45	47.4	S0312	.04000	9.2444	0.6	F
5009	27358.76	57 29N	56 36E	78.2	192.2	1.826	-16.45	47.4	S0312	.04000	9.2527	0.6	F
5010	27361.36	57 18N	56 32E	78.0	192.1	1.826	-16.10	47.6	S0312	.04000	9.2692	0.6	F
5011	27364.16	57 18N	56 32E	77.0	192.1	1.826	-15.75	47.6	S0312	.04000	9.5250	0.4	V
5012	27366.76	57 19N	56 32E	77.8	192.0	2.037	-15.75	47.6	S0312	.04000	9.3517	0.8	A
5013	27396.96	54 50N	56 5E	75.3	191.4	2.181	-1.75	49.9	S0312	.04000	9.6324	0.8	F
5014	27402.36	54 50N	56 5E	75.3	191.3	2.181	-1.05	49.9	S0312	.04000	9.6489	0.8	A
5015	27412.36	53 45N	55 60E	76.2	191.1	2.181	7.35	51.0	S0312	.04000	9.5333	1.2	F
5016	27417.96	53 44N	55 60E	76.4	191.0	2.181	8.05	51.0	S0312	.04000	9.5085	1.0	A
5017	27425.76	52 49N	55 47E	77.2	190.9	2.181	11.55	51.8	S0312	.04000	9.4177	0.8	F
5018	27431.36	52 49N	55 47E	77.5	190.8	2.181	12.25	51.8	S0312	.04000	9.3682	1.0	A
5019	27494.56	48 12N	53 42E	74.7	189.8	2.390	-1.75	55.8	S0312	.04000	9.7149	0.8	F
5020	27499.96	48 11N	53 42E	74.8	189.7	2.390	-1.05	55.8	S0312	.04000	9.7231	0.8	A
5021	27605.16	40 26N	52 45E	94.9	188.6	2.390	35.35	62.6	S0312	.01660	7.6844	0.8	F
5022	27608.56	40 26N	52 45E	94.6	188.6	2.181	36.05	62.6	S0312	.01660	7.7917	0.8	V
5023	27611.96	40 26N	52 45E	96.2	188.5	2.181	36.40	62.6	S0312	.01660	7.5441	0.8	A
5024	28008.56	12 55N	45 1E	90.8	186.7	3.092	-30.45	70.8	S0312	.02210	7.9320	1.0	F
5025	28011.76	12 55N	45 1E	89.7	186.7	3.092	-30.10	70.8	S0312	.02210	8.1631	1.0	V
5026	28013.16	12 49N	44 60E	89.7	186.7	3.092	-30.10	70.8	S0312	.02210	8.1631	0.8	V
5027	28016.56	12 49N	44 59E	90.6	186.7	3.092	-29.75	70.8	S0312	.02210	8.0146	1.0	A
5028	28047.16	10 26N	44 59E	82.4	186.6	3.439	-15.05	70.3	S0312	.01660	8.8895	0.6	V
5029	28050.36	10 25N	44 59E	83.4	186.6	3.439	-14.70	70.3	S0312	.01660	8.6914	0.4	A
5030	28057.96	9 42N	44 42E	84.4	186.6	3.439	-21.00	69.9	S0312	.03080	8.6749	0.6	V
5031	28060.96	9 43N	44 42E	85.4	186.6	3.439	-20.65	69.9	S0312	.03080	8.4850	0.8	A
5032	28150.36	3 7N	43 44E	86.5	186.5	3.439	-14.35	66.4	S0312	.03080	8.3447	0.8	F
5033	28153.56	3 7N	43 44E	85.5	186.5	3.439	-13.65	66.4	S0312	.03080	8.5428	0.6	V
5034	28156.56	3 7N	43 44E	86.6	186.5	3.439	-13.30	66.4	S0312	.03080	8.3447	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1897	5035	28200.96	0 20S	42 34E	100.4	186.5	3.232	-32.90	63.6	SO312	.02210	7.1396	1.0	F
	5036	28208.16	0 19S	42 34E	100.0	186.5	3.439	-32.20	63.6	SO312	.02210	7.2304	1.2	A
	9001	27205.96	67 34N	64 10E	79.0	197.4	1.484	8.40	38.1	SO409	.07180	9.1858	0.6	F
	9002	27208.76	67 34N	64 11E	78.1	197.3	1.484	8.75	38.1	SO409	.07180	9.4003	0.6	V
	9003	27325.76	59 46N	56 50E	88.4	193.0	1.338	-31.85	45.3	SO409	.07180	8.1789	1.4	F
	9004	27331.96	59 33N	56 46E	86.7	192.8	1.484	-31.15	45.5	SO409	.07180	8.4512	0.6	V
	9005	27335.16	59 33N	56 46E	87.3	192.8	1.484	-30.80	45.5	SO409	.07180	8.3192	0.6	A
	9006	27354.16	57 47N	56 43E	78.4	192.3	1.826	-16.80	47.2	SO409	.07180	9.2270	1.6	F
	9007	27357.96	57 32N	56 37E	78.3	192.2	1.826	-16.45	47.4	SO409	.07180	9.2435	0.4	F
	9008	27358.96	57 28N	56 35E	78.2	192.2	1.826	-16.45	47.5	SO409	.07180	9.2518	0.4	F
	9009	27361.36	57 18N	56 32E	78.1	192.1	1.826	-16.10	47.6	SO409	.07180	9.2683	0.4	F
	9010	27364.16	57 18N	56 32E	77.0	192.1	1.826	-15.75	47.6	SO409	.07180	9.5241	0.4	V
	9011	27397.16	54 49N	56 5E	75.3	191.4	2.181	-1.75	50.0	SO409	.07180	9.6314	0.4	F
	9012	27402.56	54 49N	56 5E	75.3	191.3	2.181	-1.05	50.0	SO409	.07180	9.6479	0.4	A
	9013	27412.56	53 44N	55 59E	76.3	191.1	2.181	7.35	51.0	SO409	.07180	9.5324	0.6	F
	9014	27417.96	53 44N	55 59E	76.4	191.0	2.181	8.05	51.0	SO409	.07180	9.5076	1.0	A
	9015	27425.96	52 48N	55 47E	77.3	190.9	2.181	11.55	51.9	SO409	.07180	9.4168	0.6	F
	9016	27431.36	52 49N	55 47E	77.5	190.8	2.181	12.25	51.8	SO409	.07180	9.3673	0.6	A
	9017	27440.76	51 50N	55 9E	75.5	190.6	2.390	4.20	52.7	SO409	.07180	9.6232	0.6	F
	9018	27443.56	51 49N	55 8E	74.6	190.6	2.181	4.55	52.7	SO409	.07180	9.8543	0.4	V
	9019	27447.56	51 34N	54 57E	74.3	190.5	2.181	2.10	52.9	SO409	.07180	9.8955	0.6	V
	9020	27450.36	51 33N	54 57E	75.1	190.4	2.390	2.10	52.9	SO409	.07180	9.6644	0.6	A
	9021	27494.76	48 10N	53 42E	74.7	189.8	2.390	-1.75	55.8	SO409	.07180	9.7140	0.6	F
	9022	27500.16	48 10N	53 41E	74.7	189.7	2.390	-1.05	55.8	SO409	.07180	9.7222	0.4	A
	9023	27605.36	40 25N	52 44E	95.0	188.6	2.390	35.35	62.6	SO409	.03070	7.6837	0.6	F
	9024	27608.76	40 24N	52 45E	94.5	188.6	2.181	36.05	62.6	SO409	.03070	7.7910	0.6	V
	9025	28008.76	12 54N	45 1E	90.9	186.7	3.092	-30.45	70.8	SO409	.05390	7.9313	0.8	F
	9026	28011.96	12 54N	45 1E	89.7	186.7	3.092	-30.10	70.8	SO409	.05390	8.1624	0.8	V
	9027	28013.36	12 48N	44 59E	89.7	186.7	3.092	-30.10	70.8	SO409	.05390	8.1624	0.6	V
	9028	28016.76	12 48N	44 59E	90.6	186.7	3.092	-29.75	70.8	SO409	.05390	8.0138	0.4	A
	9029	28057.96	9 42N	44 42E	84.4	186.6	3.439	-21.00	69.9	SO409	.05390	8.6741	0.6	V
	9030	28061.16	9 42N	44 42E	85.3	186.6	3.439	-20.65	69.9	SO409	.05390	8.4843	0.4	A
	9031	28200.96	0 20S	42 34E	100.5	186.5	3.232	-32.90	63.6	SO409	.05390	7.1390	1.0	F
	9032	28208.16	0 20S	42 34E	100.0	186.5	3.439	-32.20	63.6	SO409	.05390	7.2298	1.0	A
1898	5001	32674.56	56 53N	35 57E	83.0	192.0	1.826	23.80	48.2	SO312	.04000	8.8565	0.8	V
	5002	32688.16	56 17N	34 25E	75.5	191.7	2.037	-5.25	48.6	SO312	.04000	9.6241	0.8	A
	5003	32716.76	54 12N	33 15E	75.8	191.1	2.037	-13.65	50.4	SO312	.04000	9.6901	0.8	V
	5004	32794.76	48 33N	32 28E	80.8	189.9	2.390	19.95	55.8	SO312	.03080	9.0050	0.6	F
	5005	32800.56	48 33N	32 28E	81.4	189.8	2.181	21.00	55.6	SO312	.03080	8.9225	0.6	A
	5006	32812.36	47 53N	30 56E	77.4	189.7	2.390	-17.85	55.9	SO312	.03080	9.4095	1.2	A
	5007	32822.96	46 40N	31 34E	77.1	189.5	2.530	11.90	57.2	SO312	.03080	9.4260	1.0	F
	5008	32828.56	46 40N	31 34E	77.5	189.5	2.390	12.95	57.2	SO312	.03080	9.3682	1.0	A
	9001	32515.56	67 42N	40 59E	77.8	197.3	1.338	-10.50	37.9	SO409	.07180	9.4251	0.4	V
	9002	32518.56	67 42N	40 58E	78.6	197.1	1.338	-10.50	37.9	SO409	.07180	9.2270	0.4	A
	9003	32558.36	64 24N	40 45E	89.1	195.4	1.690	28.00	41.2	SO409	.05390	8.1624	0.8	F
	9004	32561.36	64 24N	40 45E	88.1	195.3	1.484	28.35	41.2	SO409	.05390	8.3440	0.6	V
	9005	32565.16	64 22N	40 44E	89.4	195.1	1.484	28.70	41.2	SO409	.05390	8.1129	0.4	A
	9006	32658.56	57 56N	35 5E	76.0	192.4	2.037	-7.70	47.1	SO409	.07180	9.5324	0.6	F
	9007	32661.36	57 55N	35 4E	75.1	192.3	2.037	-7.70	47.1	SO409	.07180	9.7717	0.6	V
	9008	32671.16	56 54N	35 57E	83.7	192.1	2.037	23.10	48.2	SO409	.07180	8.6906	0.6	F
	9009	32674.16	56 54N	35 58E	83.0	192.0	1.826	23.80	48.2	SO409	.07180	8.8556	0.4	V
	9010	32685.16	56 18N	34 26E	74.6	191.8	2.037	-5.60	48.6	SO409	.07180	9.8377	0.8	V
	9011	32688.16	56 17N	34 25E	75.5	191.7	2.037	-5.25	48.6	SO409	.07180	9.6232	0.6	A
	9012	32703.96	55 6N	33 14E	79.3	191.4	1.826	-22.05	49.5	SO409	.07180	9.2683	0.4	V
	9013	32706.76	55 6N	33 15E	79.9	191.3	2.037	-21.70	49.5	SO409	.07180	9.1032	0.4	A
	9014	32714.16	54 11N	33 14E	76.8	191.2	2.037	-14.00	50.4	SO409	.07180	9.4334	0.4	F
	9015	32716.76	54 11N	33 15E	75.8	191.1	2.037	-13.65	50.4	SO409	.07180	9.6892	0.6	V
	9016	32725.56	53 29N	33 57E	76.6	191.0	2.181	11.90	51.2	SO409	.07180	9.5984	0.4	V
	9017	32728.36	53 29N	33 57E	77.6	190.9	2.181	12.25	51.2	SO409	.07180	9.3508	0.4	A
	9018	32738.36	52 46N	32 17E	80.2	190.8	2.037	-24.50	51.6	SO409	.07180	9.1445	0.6	V
	9019	32741.36	52 46N	32 16E	81.2	190.7	2.037	-24.50	51.6	SO409	.07180	8.9629	0.4	A
	9020	32759.56	51 7N	31 52E	79.0	190.4	2.037	-20.65	53.1	SO409	.07180	9.1610	0.8	F
	9021	32765.16	51 7N	31 53E	78.6	190.3	2.181	-19.95	53.1	SO409	.07180	9.2435	0.8	A
	9022	32777.56	50 5N	31 26E	79.1	190.1	2.037	-22.75	54.0	SO409	.07180	9.2848	0.8	V
	9023	32780.56	50 5N	31 26E	79.8	190.1	2.037	-22.40	54.0	SO409	.07180	9.1197	0.6	A
	9024	32794.76	48 33N	32 28E	80.9	189.9	2.390	19.95	55.6	SO409	.07180	9.0042	0.4	F
	9025	32800.56	48 33N	32 28E	81.3	189.8	2.181	21.00	55.7	SO409	.07180	8.9217	0.4	A
	9026	32822.96	46 40N	31 34E	77.1	189.5	2.530	11.90	57.2	SO409	.07180	9.4251	0.4	F
	9027	32828.56	46 40N	31 34E	77.4	189.5	2.390	12.95	57.2	SO409	.07180	9.3673	0.4	A
1899	5001	38035.16	53 27N	11 51E	77.9	190.9	2.181	12.95	51.2	SO312	.04000	9.3270	0.8	A
	5002	38041.96	52 45N	12 0E	82.1	190.8	2.037	23.10	51.9	SO312	.03080	8.9473	0.8	V
	5003	38056.76	51 29N	11 57E	91.0	190.6	2.037	32.20	53.2	SO312	.03080	8.0063	0.8	F
	5004	38059.96	51 29N	11 58E	90.4	190.5	2.037	32.55	53.2	SO312	.03080	8.1301	0.8	V
	5005	38065.16	50 56N	11 33E	86.9	190.4	2.037	28.35	53.6	SO312	.03080	8.3860	0.6	F
	5006	38068.16	50 57N	11 34E	86.2	190.4	2.037	28.70	53.6	SO312	.03080	8.5263	0.8	V
	9001	38013.76	54 29N	12 32E	80.6	191.3	2.181	18.55	50.4	SO409	.09620	9.0372	0.6	F
	9002	38016.56	54 29N	12 33E	79.8	191.3	2.181	18.90	50.4	SO409	.09620	9.2105	0.6	V
	9003	38021.56	54 11N	12 7E	76.7	191.2	2.181	11.90	50.6	SO409	.09620	9.5902	0.6	V
	9004	38026.36	53 40N	11 54E	77.3	191.1	2.181	11.20	51.0	SO409	.07180	9.4086	0.6	F
	9005	38029.16	53 40N	11 54E	76.5	191.0	2.181	11.55	51.0	SO409	.07180	9.6149	0.6	V
	9006	38032.36	53 27N	11 51E	76.8	191.0	2.181	12.60	51.2	SO409	.07180	9.5737	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1899 9007	38035.16	53 27N	11 51E	77.8	190.9	2.181	12.95	51.2	S0409	.07180	9.3261	0.8	A
9008	38041.96	52 45N	12 0E	82.1	190.8	2.037	23.10	52.0	S0409	.07180	8.9464	0.6	V
9009	38049.16	52 13N	12 11E	88.9	190.7	2.037	31.15	52.5	S0409	.05390	8.7614	0.6	V
9010	38052.56	52 12N	12 11E	90.5	190.6	1.826	31.85	52.5	S0409	.05390	8.0138	0.6	A
9011	38056.96	51 27N	11 57E	91.1	190.6	2.037	32.20	53.2	S0409	.05390	8.0056	0.6	F
9012	38060.16	51 27N	11 57E	90.4	190.5	2.037	32.55	53.2	S0409	.05390	8.1294	0.6	V
9013	38065.16	50 56N	11 33E	86.9	190.4	2.037	28.35	53.6	S0409	.05390	8.3852	0.6	F
9014	38068.36	50 55N	11 33E	86.2	190.4	2.037	28.70	53.6	S0409	.05390	8.5255	0.4	V
9015	38074.56	50 44N	11 19E	84.5	190.3	2.037	25.55	53.8	S0409	.05390	8.5668	0.6	A
1901 5001	49639.75	15 13S	47 5W	101.8	186.7	3.092	16.10	52.5	S0312	.03080	7.0654	1.6	F
5002	49752.15	22 18S	49 3W	102.0	187.1	3.439	-3.85	45.8	S0312	.03080	6.9993	1.4	A
9001	49639.75	15 14S	47 5W	101.9	186.7	3.092	16.10	52.5	S0409	.05390	7.0647	1.2	F
9002	49670.15	17 9S	49 6W	115.9	186.8	3.092	-35.35	49.9	S0409	.04070	6.1652	1.2	F
9003	49685.15	17 42S	48 36W	101.6	186.9	3.587	-17.85	49.7	S0409	.05390	7.0482	0.8	A
9004	49731.35	21 30S	48 5W	109.5	187.0	2.881	19.95	47.0	S0409	.05390	6.3613	1.4	F
9005	49735.15	21 46S	48 7W	110.0	187.0	2.881	20.30	46.7	S0409	.05390	6.5365	1.4	F
9006	49742.95	22 14S	48 36W	103.7	187.0	3.092	9.10	46.1	S0409	.05390	6.9162	1.2	F
9007	49752.35	22 19S	49 3W	101.9	187.1	3.439	-3.85	45.8	S0409	.05390	6.9987	0.8	A
9008	49775.15	23 54S	48 52W	106.5	187.1	2.881	11.55	44.6	S0409	.05390	6.6686	1.2	A
9009	49785.95	24 46S	50 15W	110.2	187.2	3.232	-24.85	43.2	S0409	.05390	6.5448	1.0	V
9010	49791.15	25 9S	50 8W	106.9	187.2	3.232	-19.25	43.0	S0409	.05390	6.7511	1.2	V
9011	49804.55	26 13S	48 47W	117.2	187.3	2.390	24.85	42.7	S0409	.05390	6.1487	1.0	V
9012	49820.15	26 45S	50 56W	118.3	187.3	3.439	-30.10	41.3	S0409	.05390	6.0331	1.2	A
9013	49827.15	27 7S	51 33W	134.8	187.4	3.232	-40.95	40.7	S0409	.04070	5.3069	1.2	A
9014	49848.35	29 15S	51 31W	122.0	187.5	3.092	-31.50	39.0	S0409	.05390	5.8268	1.2	F
9015	49859.55	29 52S	50 15W	108.0	187.5	2.881	5.60	39.0	S0409	.05390	6.6686	1.0	V
9016	49864.55	29 56S	50 9W	110.9	187.5	2.881	9.10	39.0	S0409	.05390	6.3797	1.2	A
9017	50183.15	51 39S	57 45W	135.6	190.5	2.181	-23.45	17.8	S0409	.07180	5.1996	0.8	F
9018	50187.35	51 35S	57 54W	136.7	190.5	2.390	-25.90	17.8	S0409	.07180	5.2243	2.6	V
9019	50192.95	51 35S	58 7W	141.7	190.6	2.390	-28.35	17.8	S0409	.07180	4.9767	3.2	A
1902 5001	54618.35	7 40N	66 9W	86.2	186.6	3.587	-19.60	69.0	S0312	.03080	8.3943	1.4	A
5002	55113.75	26 16S	70 6W	145.0	187.3	1.484	41.30	43.1	S0312	.02210	4.8863	2.0	A
5003	55259.15	36 40S	73 5W	124.6	188.1	2.390	22.05	33.0	S0312	.04000	5.7282	0.8	F
5004	55268.35	36 40S	73 5W	126.4	188.1	2.037	23.10	33.0	S0312	.04000	5.5879	1.0	A
5005	55281.75	37 53S	73 25W	123.8	188.2	2.181	21.35	31.8	S0312	.03080	5.8025	0.6	V
5006	55289.75	38 23S	73 53W	118.6	188.3	2.390	14.00	31.7	S0312	.03080	6.0501	0.6	V
9001	54580.95	10 8N	64 41W	90.1	186.6	2.881	22.05	71.1	S0409	.07180	7.9726	1.0	A
9002	54595.35	9 16N	65 59W	87.5	186.6	3.439	-23.80	69.6	S0409	.05390	8.2697	1.4	A
9003	54964.55	16 8S	69 5W	108.4	186.8	2.530	25.55	51.9	S0409	.05390	6.5613	1.6	A
9004	54984.95	17 35S	71 20W	116.3	186.8	3.232	-36.05	49.5	S0409	.05390	6.2477	0.6	V
9005	54986.35	17 41S	71 21W	116.4	186.8	3.232	-36.05	49.4	S0409	.05390	6.2394	0.8	V
9006	54996.55	18 13S	70 33W	99.6	186.9	3.587	-9.80	49.4	S0409	.05390	7.1720	0.6	A
9007	55018.95	20 8S	69 44W	112.2	186.9	2.530	25.90	48.3	S0409	.04070	6.4458	0.6	V
9008	55023.15	20 7S	69 44W	114.3	186.9	2.530	26.25	48.3	S0409	.04070	6.2064	0.6	A
9009	55152.75	28 55S	70 55W	135.4	187.5	1.690	35.35	40.5	S0409	.04070	5.2078	1.4	A
1903 5001	59827.95	13 34N	85 58W	92.9	186.7	2.881	27.65	72.5	S0312	.02210	7.8412	1.4	F
5002	59843.55	12 38N	87 8W	81.1	186.7	3.439	-11.55	71.2	S0312	.03080	8.9143	0.8	F
5003	59849.35	12 38N	87 8W	81.3	186.7	3.439	-10.50	71.3	S0312	.03080	8.9060	0.8	A
5004	59851.15	12 31N	87 10W	81.3	186.7	3.439	-10.50	71.2	S0312	.03080	8.8977	0.8	A
9001	59843.55	12 38N	87 8W	81.2	186.7	3.439	-11.55	71.2	S0409	.05390	8.9134	0.8	F
9002	59849.55	12 37N	87 9W	81.2	186.7	3.439	-10.50	71.3	S0409	.05390	8.9052	0.6	A
9003	59851.15	12 30N	87 10W	81.3	186.7	3.439	-10.50	71.2	S0409	.05390	8.8969	0.6	A
1904 5001	64821.95	34 58N	104 38W	73.9	188.0	2.881	-4.55	66.0	S0312	.02210	9.8139	0.8	F
5002	64827.15	34 59N	104 37W	74.0	187.9	2.881	-3.50	66.0	S0312	.02210	9.8139	1.2	A
9001	64821.95	34 58N	104 38W	73.9	188.0	2.881	-4.55	66.0	S0409	.05390	9.8130	0.8	F
9002	64827.35	34 58N	104 38W	74.0	187.9	2.881	-3.50	66.0	S0409	.05390	9.8130	0.6	A
1905 9001	70952.75	21 52S	138 57W	137.9	187.0	2.738	-44.80	45.5	S0409	.04070	5.1666	0.4	F
9002	70962.55	21 51S	138 56W	136.1	187.0	3.232	-44.10	45.5	S0409	.04070	5.2573	0.6	A
1907 5001	81895.35	43 31S	172 43E	126.5	189.1	2.881	-18.90	25.9	S0312	.04000	5.5961	2.0	A
1908 5001	85609.55	64 50N	177 57E	78.0	195.5	1.484	-7.35	40.5	S0312	.04000	9.2939	1.4	F
5002	85615.35	64 50N	177 56E	77.9	195.3	1.484	-7.00	40.5	S0312	.04000	9.3352	1.6	A
9001	85648.55	62 33N	176 57E	77.3	194.1	1.690	2.80	42.7	S0409	.05390	9.3921	0.8	A
1909 5001	4428.55	70 42N	162 27E	81.5	200.3	1.135	12.25	34.8	S0312	.03080	8.9060	1.2	F
5002	4431.95	70 40N	162 26E	80.6	200.1	1.135	12.60	34.8	S0312	.03080	9.1041	1.2	V
5003	4811.95	45 1N	147 36E	74.7	189.3	2.530	2.80	58.3	S0312	.03080	9.7397	0.4	F
5004	4813.15	44 56N	147 35E	74.7	189.2	2.530	2.80	58.4	S0312	.03080	9.7314	0.4	F
5005	4819.35	44 34N	146 58E	75.9	189.2	2.530	-13.65	58.5	S0312	.03080	9.5581	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL DAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1909 5006	4822.15	44 34N	146 58E	74.9	189.1	2.530	-13.30	58.5	SO312	.03080	9.7974	0.4	V
5007	4824.75	44 34N	146 58E	75.8	189.1	2.530	-12.95	58.5	SO312	.03080	9.6076	0.6	A
5008	4832.75	43 41N	146 20E	80.8	189.0	2.390	-25.20	59.1	SO312	.04000	8.9555	1.0	F
5009	4838.55	43 41N	146 20E	80.5	189.0	2.530	-24.50	59.1	SO312	.04000	9.0546	1.4	A
1910 5001	10021.15	51 50N	128 9E	78.6	190.6	2.181	15.05	52.5	SO312	.04000	9.2692	1.0	F
5002	10024.35	51 48N	128 8E	77.8	190.6	2.181	15.40	52.6	SO312	.04000	9.4508	1.2	V
5003	10026.75	51 38N	128 5E	77.8	190.5	2.181	15.40	52.7	SO312	.04000	9.4508	0.4	V
5004	10032.55	50 57N	128 30E	89.4	190.4	2.181	30.45	53.4	SO312	.02210	8.1714	1.2	F
5005	10035.95	50 56N	128 29E	88.7	190.4	2.181	30.80	53.5	SO312	.03080	8.3035	0.8	V
5006	10039.15	50 56N	128 30E	90.2	190.3	1.826	31.50	53.5	SO312	.02210	8.0641	1.2	A
5007	10044.95	50 33N	128 19E	89.6	190.2	2.037	30.80	53.8	SO312	.02210	8.0971	1.0	A
5008	10051.95	50 6N	127 41E	81.0	190.1	2.181	19.95	54.1	SO312	.03080	8.9473	1.2	A
5009	10107.75	45 50N	126 44E	89.5	189.4	2.390	30.80	57.9	SO312	.03080	8.1549	1.0	F
5010	10111.15	45 49N	126 44E	89.0	189.4	2.181	31.50	57.9	SO312	.03080	8.2704	1.0	V
5011	10115.55	45 31N	126 40E	89.7	189.3	2.181	32.20	58.2	SO312	.02210	8.2127	1.6	V
5012	10132.75	44 10N	125 58E	83.8	189.1	2.530	24.50	59.2	SO312	.03080	8.7162	1.2	F
5013	10139.15	43 47N	125 33E	78.7	189.1	2.530	16.45	59.5	SO312	.03080	9.2609	1.0	F
5014	10142.35	43 45N	125 33E	78.0	189.0	2.530	16.80	59.5	SO312	.03080	9.4260	0.8	V
5015	10148.35	43 34N	125 8E	75.1	189.0	2.738	5.60	59.5	SO312	.03080	9.6819	1.0	A
5016	10153.55	43 1N	125 5E	75.0	188.9	2.738	8.75	60.0	SO312	.03080	9.7974	1.2	V
5017	10159.95	42 26N	124 32E	74.2	188.9	2.738	-4.55	60.3	SO312	.03080	9.7892	0.4	F
5018	10167.35	41 59N	123 43E	81.7	188.8	2.390	-26.60	60.4	SO312	.03080	8.8647	1.2	F
5019	10170.75	41 57N	123 42E	80.6	188.8	2.390	-26.25	60.5	SO312	.03080	9.1123	1.6	V
5020	10174.55	41 54N	123 42E	81.4	188.7	2.390	-25.90	60.5	SO312	.03080	8.9555	1.2	A
5021	10200.55	39 58N	124 22E	77.3	188.5	2.738	12.60	62.5	SO312	.04000	9.4012	0.8	A
5022	10209.55	38 46N	125 14E	105.5	188.4	2.181	42.35	63.8	SO312	.03080	6.9250	0.8	F
5023	10212.95	38 47N	125 14E	105.0	188.4	2.181	42.70	63.8	SO312	.03080	7.0076	0.8	V
5024	10231.95	37 34N	122 8E	94.5	188.2	2.181	-39.55	63.5	SO312	.04000	7.6431	1.0	F
5025	10238.55	37 35N	122 9E	93.5	188.2	2.390	-38.85	63.5	SO312	.04000	7.7835	1.2	A
5026	10322.95	31 16N	121 31E	77.7	187.6	2.881	-17.50	68.0	SO312	.04000	9.3187	1.2	F
5027	10326.35	31 13N	121 31E	76.8	187.6	2.881	-17.15	68.0	SO312	.04000	9.5581	0.6	V
5028	10329.15	31 13N	121 31E	77.6	187.6	3.092	-16.80	68.0	SO312	.04000	9.3847	0.4	A
5029	10338.55	30 17N	122 12E	79.0	187.6	2.881	16.80	69.1	SO312	.03080	9.3022	1.0	V
5030	10360.35	28 38N	121 30E	76.0	187.4	3.092	3.15	69.8	SO312	.03080	9.5663	0.4	F
5031	10367.15	28 31N	121 54E	82.3	187.4	2.881	19.95	70.1	SO312	.03080	8.8070	0.4	A
5032	10392.15	26 57N	120 13E	86.3	187.3	2.881	-30.80	69.9	SO312	.03080	8.4603	0.8	A
5033	10408.75	25 36N	119 52E	88.0	187.2	2.738	-33.60	70.3	SO312	.03080	8.3200	1.2	V
5034	10412.15	25 35N	119 52E	88.9	187.2	2.738	-33.25	70.3	SO312	.03080	8.1962	1.0	A
5035	10455.35	22 12N	120 54E	89.6	187.0	2.738	28.70	72.7	SO312	.02210	8.1879	1.2	V
5036	10458.95	22 11N	120 54E	91.3	187.0	2.530	29.40	72.7	SO312	.02210	7.9238	1.6	A
5037	10691.95	6 4N	116 33E	87.4	186.6	3.439	-25.20	68.1	SO312	.03080	8.3612	0.6	V
5038	10695.15	6 4N	116 34E	88.2	186.6	3.439	-24.50	68.1	SO312	.03080	8.2209	0.8	A
5039	10794.75	1 10S	116 50E	105.0	186.5	2.530	31.85	64.5	SO312	.02210	6.9498	1.4	V
5040	10798.95	1 11S	116 50E	107.1	186.5	2.530	32.20	64.5	SO312	.02210	6.7022	1.4	A
9001	10120.15	45 25N	126 43E	92.8	189.3	2.181	33.95	58.3	SO409	.04070	7.8075	0.6	A
9002	10183.55	41 8N	122 51E	96.2	188.6	2.037	-41.65	60.8	SO409	.04070	7.6259	0.6	V
9003	10187.15	41 8N	122 51E	96.9	188.6	2.037	-41.30	60.8	SO409	.04070	7.5187	0.6	A
9004	10244.35	36 54N	122 25E	82.0	188.1	2.530	-28.00	64.2	SO409	.07180	8.9547	0.4	V
9005	10247.35	36 54N	122 26E	82.6	188.1	2.738	-27.65	64.2	SO409	.07180	8.7979	0.4	A
9006	10344.35	30 4N	122 14E	81.8	187.5	2.738	20.30	69.3	SO409	.05390	8.8391	1.0	A
1911 5001	15254.75	57 19N	106 34E	81.6	192.1	1.690	-25.90	47.3	SO312	.04000	8.9885	1.4	V
5002	15258.35	57 17N	106 33E	82.3	192.0	1.690	-25.55	47.3	SO312	.04000	8.8482	1.0	A
5003	15320.75	52 39N	104 33E	86.0	190.8	1.690	-30.45	51.4	SO312	.02210	8.4108	1.0	F
5004	15323.95	52 38N	104 33E	84.7	190.7	1.690	-30.10	51.4	SO312	.03080	8.6666	1.4	V
5005	15348.75	50 42N	106 5E	84.7	190.3	2.181	26.95	53.6	SO312	.02210	8.6831	0.4	V
5006	15351.95	50 42N	106 5E	86.0	190.3	2.181	27.30	53.6	SO312	.02210	8.4438	0.4	A
5007	15494.75	40 46N	100 32E	100.8	188.6	1.690	-44.10	61.0	SO312	.02210	7.1562	1.2	F
5008	15502.15	40 45N	100 32E	99.8	188.5	2.037	-43.75	61.1	SO312	.02210	7.3130	1.0	A
5009	15522.35	38 60N	101 9E	75.2	188.4	2.738	-17.50	62.8	SO312	.03080	9.7727	1.0	V
5010	15525.55	38 58N	101 8E	76.0	188.4	2.738	-17.15	62.8	SO312	.03080	9.5911	1.2	A
5011	15535.55	38 5N	100 59E	73.9	188.3	2.738	-16.10	63.5	SO312	.03080	9.9377	0.6	V
5012	15538.35	38 5N	100 58E	74.7	188.3	2.738	-15.75	63.5	SO312	.03080	9.7479	0.6	A
5013	15557.35	36 36N	100 30E	75.9	188.1	2.738	-20.65	64.5	SO312	.04000	9.6819	0.6	V
5014	15560.15	36 36N	100 30E	76.7	188.1	2.738	-20.30	64.5	SO312	.04000	9.5085	0.6	A
5015	15720.35	25 16N	99 6E	80.2	187.2	2.881	19.60	71.5	SO312	.03080	9.1701	0.4	V
5016	15727.75	25 1N	98 34E	75.5	187.2	3.232	0.70	71.3	SO312	.03080	9.6158	0.4	A
5017	15736.55	24 4N	97 55E	79.2	187.1	3.092	-18.90	71.2	SO312	.03080	9.1454	2.0	F
5018	15762.75	22 34N	98 25E	80.2	187.0	3.092	14.00	72.3	SO312	.03080	9.0216	2.0	A
9001	15328.95	52 18N	104 24E	84.9	190.6	1.690	-30.80	51.7	SO409	.05390	8.6411	0.8	V
9002	15331.95	52 18N	104 25E	85.6	190.6	2.037	-30.80	51.7	SO409	.05390	8.5008	0.8	A
9003	15747.35	23 30N	97 57E	76.3	187.1	3.232	-12.95	71.5	SO409	.05390	9.6067	1.2	V
9004	15752.55	22 58N	97 46E	78.6	187.1	3.232	-16.45	71.5	SO409	.05390	9.2105	0.8	F
9005	15756.95	22 17N	98 21E	79.8	187.0	3.092	14.00	72.3	SO409	.05390	9.0537	0.8	A
1912 5001	20569.35	56 37N	85 14E	75.6	191.9	2.037	-1.05	48.1	SO312	.04000	9.5993	1.2	F
5002	20574.15	56 30N	84 58E	74.9	191.8	2.037	-5.95	48.2	SO312	.04000	9.8057	0.8	V
5003	20577.15	56 29N	84 58E	75.8	191.8	2.037	-5.60	48.2	SO312	.04000	9.5993	0.8	A
5004	20594.35	55 4N	82 40E	99.0	191.4	1.338	-41.30	49.2	SO312	.02210	7.2965	1.2	F
5005	20601.55	55 3N	82 39E	98.5	191.3	1.690	-41.30	49.2	SO312	.02210	7.3955	1.0	A
5006	20614.15	53 36N	83 50E	75.2	191.0	2.181	-4.90	50.8	SO312	.04000	9.6489	1.0	F
5007	20619.55	53 36N	83 50E	75.2	190.9	2.181	-4.20	50.8	SO312	.04000	9.6736	1.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1912 5008	20625.35	52 50N	83 37E	75.0	190.8	2.181	-3.15	51.5	S0312	.04000	9.6736	1.0	F
5009	20630.35	52 28N	83 41E	75.3	190.8	2.390	2.45	51.8	S0312	.04000	9.6571	1.0	F
5010	20631.75	52 22N	83 39E	75.3	190.7	2.390	2.45	51.9	S0312	.04000	9.6489	1.0	F
5011	20635.55	52 14N	83 33E	74.2	190.7	2.181	1.05	52.0	S0312	.04000	9.8965	0.8	V
5012	20638.55	52 17N	83 33E	75.2	190.6	2.181	1.40	52.0	S0312	.04000	9.6819	0.6	A
5013	20672.95	49 40N	81 24E	86.7	190.1	1.826	-32.20	54.0	S0312	.03080	8.3365	1.2	F
5014	20676.35	49 39N	81 23E	85.4	190.0	1.826	-31.85	54.0	S0312	.03080	8.5841	0.6	V
5015	20759.95	43 42N	81 43E	85.6	189.0	2.390	28.35	59.6	S0312	.02210	8.5841	1.2	V
5016	20763.55	43 40N	81 43E	87.1	189.0	2.181	29.05	59.6	S0312	.02210	8.3365	1.4	A
5017	20852.55	37 9N	79 56E	86.0	188.2	2.530	28.00	64.8	S0312	.03080	8.4933	0.4	F
5018	20858.75	37 9N	79 56E	86.7	188.2	2.390	28.70	64.8	S0312	.03080	8.3530	0.4	A
5019	20978.95	28 36N	77 7E	75.6	187.4	3.092	-2.80	69.7	S0312	.02210	9.6158	0.6	F
5020	20984.35	28 36N	77 7E	75.8	187.4	3.092	-1.75	69.7	S0312	.02210	9.5911	0.8	A
5021	21035.75	24 57N	75 37E	85.3	187.2	2.881	-30.45	70.6	S0312	.03080	8.5841	1.4	V
5022	21039.35	24 55N	75 37E	86.0	187.2	3.092	-30.10	70.6	S0312	.03080	8.4685	1.2	A
9001	20679.95	49 12N	81 10E	88.3	190.0	1.826	-33.95	54.4	S0409	.05390	8.1624	0.6	F
9002	20682.75	49 13N	81 9E	87.7	190.0	1.826	-34.30	54.3	S0409	.05390	8.3605	0.4	V
9003	20685.95	49 13N	81 8E	88.5	189.9	2.037	-34.30	54.3	S0409	.05390	8.2284	0.4	A
9004	20688.55	49 3N	81 4E	88.7	189.9	2.037	-34.65	54.5	S0409	.05390	8.2037	0.4	A
9005	20722.95	46 13N	80 51E	78.4	189.4	2.181	-20.30	57.0	S0409	.05390	9.2270	0.8	F
9006	20726.55	46 13N	80 50E	78.1	189.4	2.390	-19.95	57.0	S0409	.05390	9.3178	0.8	A
1913 5001	25801.75	61 44N	67 5E	85.4	193.9	1.690	25.55	43.4	S0312	.04000	8.6006	0.4	V
5002	25804.75	61 44N	67 6E	86.8	193.8	1.484	26.25	43.4	S0312	.04000	8.3777	0.6	A
5003	25874.75	56 51N	62 31E	78.7	192.0	1.826	-17.85	47.7	S0312	.04000	9.1949	0.6	F
5004	25877.55	56 51N	62 31E	77.7	191.9	1.826	-17.50	47.7	S0312	.04000	9.4425	0.6	V
5005	25882.95	56 38N	62 47E	76.1	191.8	2.037	-8.75	48.0	S0312	.04000	9.5581	2.0	A
5006	25899.35	55 13N	61 30E	82.5	191.5	1.690	-25.55	49.2	S0312	.04000	8.7739	1.0	F
5007	25902.55	55 12N	61 29E	81.3	191.4	1.690	-25.20	49.2	S0312	.04000	9.0298	1.0	V
5008	25929.35	53 11N	60 35E	84.6	190.9	1.690	-29.05	50.9	S0312	.03080	8.5511	0.8	F
5009	25933.75	53 5N	60 36E	82.6	190.8	1.690	-27.65	51.0	S0312	.03080	8.8812	1.2	V
5010	25937.15	53 3N	60 35E	83.3	190.8	2.037	-27.65	51.1	S0312	.03080	8.7492	1.0	A
5011	25942.15	52 44N	60 17E	86.5	190.7	1.826	-31.50	51.3	S0312	.03080	8.4190	1.0	A
5012	25943.55	52 39N	60 15E	86.5	190.7	1.826	-31.50	51.4	S0312	.03080	8.4190	1.0	A
5013	25952.95	51 34N	60 0E	84.9	190.5	1.826	-29.75	52.3	S0312	.03080	8.5098	1.0	F
5014	25956.15	51 34N	59 60E	83.6	190.5	1.826	-29.40	52.4	S0312	.03080	8.7657	1.0	V
5015	25959.35	51 8N	59 51E	84.8	190.4	1.826	-29.75	52.7	S0312	.03080	8.5181	1.0	F
5016	25962.55	51 7N	59 51E	83.6	190.4	1.826	-29.40	52.7	S0312	.03080	8.7739	0.6	V
5017	25963.55	51 3N	59 50E	83.6	190.3	1.826	-29.40	52.8	S0312	.03080	8.7739	0.8	V
5018	25967.55	50 48N	59 37E	85.9	190.3	1.826	-32.20	53.0	S0312	.03080	8.5263	1.0	V
5019	25970.75	50 48N	59 37E	86.8	190.2	2.037	-32.20	53.0	S0312	.03080	8.4025	1.0	A
5020	26146.55	38 5N	58 13E	90.7	188.3	2.530	31.85	64.1	S0312	.01660	8.0558	1.4	F
5021	26150.15	38 3N	58 12E	90.2	188.3	2.530	32.20	64.2	S0312	.01660	8.1714	1.2	V
9001	25861.75	57 43N	63 8E	77.1	192.3	1.826	-12.25	47.0	S0409	.07180	9.3921	1.4	F
9002	25867.35	57 43N	63 4E	77.3	192.1	1.826	-13.30	47.0	S0409	.07180	9.3921	1.4	A
9003	25932.95	53 8N	60 37E	82.7	190.8	1.690	-27.65	51.0	S0409	.07180	8.8804	1.4	V
9004	26154.55	37 58N	58 18E	94.6	188.3	2.181	35.35	64.3	S0409	.05390	7.6507	0.8	A
1914 5001	30930.15	73 25N	54 48E	79.6	203.6	0.995	2.10	32.0	S0312	.05370	9.1041	1.0	F
5002	30935.95	73 25N	54 48E	79.6	203.1	0.995	2.45	32.0	S0312	.05370	9.1289	1.0	A
5003	30958.35	71 36N	52 27E	79.5	201.2	1.135	5.25	33.8	S0312	.05370	9.1123	1.4	F
5004	30964.15	71 35N	52 26E	79.5	200.8	1.135	5.60	33.8	S0312	.05370	9.1289	1.2	A
5005	31160.15	58 17N	41 37E	75.8	192.5	1.826	-4.55	46.5	S0312	.04000	9.5663	1.0	F
5006	31162.15	58 9N	41 33E	75.8	192.4	1.826	-4.55	46.6	S0312	.04000	9.5663	0.8	F
5007	31165.15	58 8N	41 33E	74.9	192.4	1.826	-4.20	46.6	S0312	.04000	9.7974	0.8	V
5008	31170.55	57 48N	40 60E	76.5	192.2	1.826	-13.65	46.9	S0312	.04000	9.5993	0.8	V
5009	31173.55	57 47N	40 60E	77.3	192.2	1.826	-13.30	46.9	S0312	.04000	9.4177	1.2	A
5010	31194.15	56 1N	40 18E	76.6	191.7	1.826	-11.90	48.5	S0312	.04000	9.4755	1.0	F
5011	31197.35	55 59N	40 17E	75.6	191.7	1.826	-11.55	48.6	S0312	.04000	9.7149	1.0	V
5012	31237.15	52 56N	40 22E	81.8	190.9	2.181	21.00	51.5	S0312	.03080	8.8812	0.6	F
5013	31239.95	52 57N	40 22E	81.1	190.9	2.181	21.35	51.5	S0312	.04000	9.0463	0.6	V
5014	31246.55	52 34N	39 35E	74.8	190.7	2.181	5.25	51.7	S0312	.04000	9.8222	0.6	V
5015	31249.35	52 34N	39 35E	75.8	190.7	2.181	5.60	51.7	S0312	.04000	9.5911	0.6	A
5016	31256.35	51 44N	39 11E	75.1	190.6	2.390	2.10	52.5	S0312	.04000	9.6736	2.2	F
5017	31261.95	51 43N	39 10E	75.2	190.5	2.181	2.80	52.5	S0312	.04000	9.6654	2.4	A
5018	31267.95	51 17N	39 12E	76.2	190.4	2.181	8.05	52.9	S0312	.04000	9.5416	0.4	A
5019	31287.95	49 42N	36 59E	90.8	190.1	1.690	-36.05	53.9	S0312	.03080	7.9568	1.2	F
5020	31294.75	49 41N	36 58E	90.5	190.0	2.037	-36.05	53.9	S0312	.03080	8.0558	0.8	A
5021	31304.95	48 37N	38 1E	73.8	189.9	2.390	0.00	55.2	S0312	.04000	9.9543	0.4	V
5022	31308.55	48 21N	38 2E	74.1	189.8	2.390	3.15	55.4	S0312	.04000	9.9130	0.4	V
5023	31312.95	48 13N	38 13E	76.5	189.8	2.390	10.15	55.6	S0312	.03080	9.4920	1.2	A
5024	31354.75	45 5N	36 15E	79.2	189.3	2.390	-22.05	57.9	S0312	.03080	9.1454	1.2	F
5025	31358.15	45 3N	36 13E	78.3	189.2	2.390	-22.05	58.0	S0312	.03080	9.3765	0.6	V
5026	31361.15	45 2N	36 14E	78.9	189.2	2.390	-21.35	58.0	S0312	.03080	9.2362	0.6	A
5027	31502.55	34 58N	33 23E	86.6	188.0	2.390	-32.55	65.4	S0312	.03080	8.3447	1.0	F
5028	31508.75	34 58N	33 24E	85.8	187.9	2.738	-31.85	65.4	S0312	.03080	8.4933	1.0	A
5029	31542.75	31 57N	34 43E	94.6	187.7	2.530	34.30	68.4	S0312	.01660	7.7257	1.4	F
5030	31546.35	31 56N	34 43E	94.0	187.7	2.530	34.65	68.5	S0312	.01660	7.8330	1.0	V
5031	31550.35	31 41N	34 33E	91.0	187.7	2.530	32.20	68.6	S0312	.03080	8.0806	1.0	V
5032	31553.55	31 41N	34 33E	92.6	187.6	2.530	32.55	68.6	S0312	.02210	7.8247	1.2	A
5033	31571.75	30 18N	33 21E	74.7	187.5	3.092	1.75	68.8	S0312	.03080	9.8304	1.0	V
5034	31574.95	30 17N	33 21E	75.7	187.5	3.092	2.10	68.8	S0312	.03080	9.5993	1.2	A
5035	32416.35	27 45S	21 38E	115.1	187.4	3.092	-25.90	40.7	S0312	.03080	6.1904	2.0	F
5036	32425.15	27 46S	21 38E	114.9	187.4	3.232	-24.85	40.7	S0312	.03080	6.2152	2.0	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1914 9001	30958.75	71 34N	52 24E	79.5	201.2	1.135	5.25	33.8	SO409	.09620	9.1115	0.8	F
9002	30964.35	71 34N	52 25E	79.4	200.8	1.135	5.60	33.8	SO409	.09620	9.1280	0.8	A
9003	31184.55	57 13N	39 23E	96.0	191.9	1.484	-39.20	47.2	SO409	.05390	7.5929	0.6	A
9004	31207.75	55 26N	38 20E	103.3	191.4	1.338	-44.80	48.7	SO409	.05390	7.0400	0.6	V
9005	31211.55	55 27N	38 19E	104.5	191.4	1.338	-44.80	48.7	SO409	.05390	6.9492	0.6	A
9006	31323.15	47 13N	38 53E	92.5	189.6	2.037	34.65	56.7	SO409	.05390	7.9396	0.6	V
9007	31326.55	47 13N	38 53E	94.0	189.6	2.037	35.00	56.7	SO409	.05390	7.6920	0.6	A
9008	31350.15	45 23N	36 30E	77.2	189.3	2.390	-17.15	57.7	SO409	.07180	9.3921	0.8	F
9009	31543.35	31 55N	34 42E	94.6	187.7	2.530	34.30	68.5	SO409	.05390	7.7250	0.4	F
9010	31546.75	31 54N	34 42E	94.0	187.7	2.530	34.65	68.5	SO409	.05390	7.8323	0.4	V
9011	31558.15	30 54N	34 28E	94.6	187.6	2.530	34.30	69.1	SO409	.05390	7.7250	0.6	F
9012	31561.55	30 53N	34 28E	94.0	187.6	2.530	34.65	69.1	SO409	.05390	7.8240	0.6	V
9013	31662.15	23 60N	32 49E	89.9	187.1	2.738	29.40	72.2	SO409	.03070	8.1541	0.8	V
9014	31665.55	23 59N	32 49E	91.6	187.1	2.530	30.10	72.2	SO409	.03070	7.8818	0.8	A
1915 5001	36518.55	54 40N	18 49E	80.1	191.4	2.181	17.50	49.9	SO312	.04000	9.0958	1.0	F
5002	36521.75	54 39N	18 49E	79.3	191.3	2.181	17.85	49.9	SO312	.04000	9.2692	0.6	V
5003	36527.75	54 26N	18 42E	80.1	191.2	2.181	17.50	50.1	SO312	.04000	9.0711	0.8	A
5004	36541.75	53 29N	16 35E	81.6	190.9	1.826	-26.25	50.7	SO312	.04000	9.0133	1.0	V
5005	36544.95	53 28N	16 35E	82.4	190.9	2.037	-26.25	50.7	SO312	.03080	8.8400	0.8	A
5006	36561.15	52 11N	15 49E	87.0	190.6	1.826	-33.25	51.7	SO312	.03080	8.4438	1.2	V
5007	36564.55	52 10N	15 49E	87.6	190.6	2.037	-32.90	51.8	SO312	.03080	8.3200	1.0	A
5008	36569.95	51 22N	15 44E	84.5	190.5	1.826	-29.40	52.5	SO312	.03080	8.5676	1.2	F
5009	36576.15	51 21N	15 44E	83.9	190.4	2.037	-28.70	52.5	SO312	.03080	8.6831	0.8	A
5010	36590.15	49 45N	17 19E	85.8	190.2	2.181	26.95	54.4	SO312	.03080	8.4850	1.4	F
5011	36596.15	49 46N	17 19E	86.4	190.1	2.181	27.65	54.4	SO312	.03080	8.3860	1.0	A
5012	36606.35	49 9N	16 10E	74.9	189.9	2.390	2.80	54.7	SO312	.04000	9.7149	1.8	A
5013	36628.55	47 19N	16 39E	88.6	189.6	2.181	31.15	56.5	SO312	.03080	8.2787	1.2	V
5014	36631.95	47 19N	16 38E	89.7	189.6	2.181	31.15	56.5	SO312	.03080	8.0723	1.4	A
5015	36647.95	45 51N	15 45E	80.8	189.4	2.390	20.30	57.7	SO312	.03080	9.0133	1.0	F
5016	36651.15	45 50N	15 44E	80.1	189.4	2.390	20.65	57.7	SO312	.03080	9.1701	0.8	V
5017	36660.55	45 18N	14 34E	74.4	189.3	2.530	-10.50	57.9	SO312	.04000	9.8800	0.6	V
5018	36663.35	45 18N	14 34E	75.2	189.2	2.530	-10.15	57.9	SO312	.04000	9.6819	1.2	A
9001	36524.75	54 26N	18 42E	78.9	191.2	2.181	17.15	50.1	SO409	.09620	9.3178	0.8	V
9002	36527.75	54 26N	18 42E	80.0	191.2	2.181	17.50	50.1	SO409	.09620	9.0702	0.8	A
9003	36570.15	51 21N	15 43E	84.6	190.5	1.826	-29.40	52.5	SO409	.07180	8.5668	0.8	F
9004	36576.15	51 21N	15 44E	83.8	190.4	2.037	-28.70	52.5	SO409	.07180	8.6823	0.8	A
9005	36592.15	49 36N	17 16E	85.8	190.1	2.181	26.95	54.5	SO409	.05390	8.4760	0.6	F
9006	36598.35	49 36N	17 16E	86.4	190.0	2.181	27.65	54.5	SO409	.05390	8.3687	0.6	A
9007	36616.95	48 9N	16 35E	82.0	189.8	2.181	23.45	55.7	SO409	.07180	8.9547	1.0	V
9008	36622.75	47 44N	16 36E	84.7	189.7	2.181	26.95	56.1	SO409	.05390	8.6658	1.4	V
9009	36638.55	46 24N	16 27E	91.6	189.5	2.181	32.90	57.4	SO409	.05390	7.9396	0.4	F
9010	36641.75	46 24N	16 27E	90.9	189.5	2.181	33.25	57.4	SO409	.05390	8.0634	0.4	V
9011	36840.95	32 46N	12 45E	92.3	187.8	2.390	33.60	67.9	SO409	.05390	7.9561	0.4	V
9012	36844.35	32 46N	12 45E	94.1	187.7	2.181	34.30	67.9	SO409	.05390	7.6837	0.4	A
9013	37247.95	4 48N	7 1E	93.2	186.5	2.881	23.80	68.5	SO409	.07180	7.8405	0.8	V
9014	37251.35	4 48N	7 1E	94.8	186.5	2.881	24.15	68.5	SO409	.05390	7.5682	0.8	A
1917 5001	48261.14	22 50S	43 9W	103.3	187.1	3.232	-12.25	45.5	SO312	.04000	6.9250	1.4	F
5002	48265.14	22 51S	43 9W	102.3	187.1	3.232	-11.90	45.5	SO312	.04000	7.0654	1.6	V
9001	48115.14	12 29S	40 17W	102.5	186.7	2.881	19.60	55.2	SO409	.05390	6.9575	1.2	A
1918 5001	53474.34	16 33S	62 9W	134.6	186.8	1.826	42.00	52.2	SO312	.02210	5.3898	2.4	V
5002	53562.14	21 55S	65 58W	119.3	187.0	3.439	-36.05	45.9	SO312	.02210	6.0171	2.0	A
5003	53610.14	25 34S	65 55W	104.0	187.2	3.232	-15.05	43.0	SO312	.03080	6.9498	1.2	V
5004	53613.94	25 34S	65 55W	105.4	187.2	3.439	-14.70	43.0	SO312	.03080	6.7765	1.6	A
5005	53643.94	27 43S	64 16W	140.7	187.4	1.690	38.50	41.9	SO312	.02210	5.0184	2.0	A
5006	53651.54	28 14S	64 10W	148.4	187.4	1.484	41.65	41.6	SO312	.02210	4.7707	1.8	A
5007	53681.54	30 37S	64 47W	141.4	187.6	1.690	38.50	39.3	SO312	.02210	5.0844	2.4	V
5008	53758.54	35 24S	69 33W	144.8	188.0	2.881	-42.35	33.3	SO312	.01660	4.9606	1.2	V
5009	53764.14	35 25S	69 33W	146.0	188.1	3.092	-42.00	33.3	SO312	.01660	4.8863	1.2	A
5010	53875.94	43 35S	68 56W	122.6	189.0	2.181	14.00	26.6	SO312	.03080	5.8438	1.4	V
5011	53880.74	43 35S	68 56W	124.8	189.0	2.181	14.35	26.6	SO312	.03080	5.6539	1.2	A
5012	53900.14	45 34S	69 1W	131.6	189.2	2.037	21.35	24.8	SO312	.03080	5.3980	1.4	F
5013	53912.94	46 28S	68 57W	138.3	189.4	1.826	26.60	24.1	SO312	.03080	5.1422	1.8	F
5014	53925.94	46 49S	70 42W	120.3	189.5	2.530	-3.15	23.2	SO312	.04000	5.9428	1.4	V
5015	53931.74	47 12S	70 52W	120.6	189.6	2.530	-3.85	22.8	SO312	.04000	5.9263	1.2	V
5016	53952.74	48 54S	71 24W	123.1	189.9	2.390	-3.85	21.2	SO312	.04000	5.7530	1.6	F
5017	53961.34	49 21S	72 46W	133.9	190.0	2.390	-24.50	20.4	SO312	.04000	5.2742	1.6	F
5018	53973.14	50 15S	71 51W	124.4	190.1	2.390	-3.85	19.9	SO312	.04000	5.6452	1.6	F
5019	53978.54	50 16S	72 13W	124.4	190.2	2.390	-9.80	19.8	SO312	.04000	5.7365	1.8	V
5020	53983.14	50 53S	72 24W	125.9	190.3	2.390	-9.45	19.2	SO312	.04000	5.6209	1.6	F
5021	53992.94	50 59S	71 46W	126.3	190.4	2.181	2.80	19.3	SO312	.04000	5.5714	1.6	A
5022	54004.14	51 40S	72 30W	126.7	190.6	2.390	-5.60	18.5	SO312	.04000	5.5549	1.8	A
9001	53159.54	5 20N	59 9W	96.0	186.5	2.738	26.25	68.9	SO409	.05390	7.4609	1.4	A
9002	53177.74	3 50N	59 20W	96.9	186.5	2.738	27.65	68.0	SO409	.05390	7.5269	1.4	V
9003	53184.54	3 24N	59 47W	88.0	186.5	3.092	15.05	67.4	SO409	.05390	8.2944	0.8	V
9004	53196.34	2 54N	60 41W	87.5	186.5	3.587	-17.15	66.4	SO409	.05390	8.2532	1.4	A
9005	53547.74	21 17S	65 35W	110.6	187.0	3.232	-30.45	46.6	SO409	.05390	6.5365	1.4	V
9006	53555.74	22 6S	65 33W	107.8	187.0	3.232	-25.55	46.0	SO409	.05390	6.6191	1.4	F
9007	53569.34	22 25S	66 5W	120.2	187.1	3.439	-36.40	45.5	SO409	.05390	5.9671	1.2	A
9008	53584.14	24 9S	64 49W	104.9	187.1	3.092	8.75	44.7	SO409	.05390	6.8337	1.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887
~~Top Secret GAMBIT~~

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1918 9009	53592.94	24 34S	64 15W	117.3	187.2	2.530	26.60	44.6	S0409	.05390	6.1569	1.2	V
9010	53598.14	25 13S	64 18W	120.8	187.2	2.530	28.00	44.0	S0409	.05390	5.9506	1.2	F
9011	53625.54	26 60S	65 10W	110.3	187.3	2.881	14.70	42.1	S0409	.05390	6.4870	1.2	F
9012	53630.54	26 47S	65 6W	111.6	187.3	2.881	16.10	42.4	S0409	.05390	6.3385	1.4	A
9013	53697.34	31 29S	66 57W	108.1	187.6	3.092	-8.40	37.6	S0409	.05390	6.6603	1.0	V
9014	53708.14	32 0S	66 26W	112.1	187.7	2.738	9.10	37.4	S0409	.05390	6.3137	1.4	A
9015	53904.14	45 31S	68 59W	131.3	189.3	1.826	22.40	24.9	S0409	.05390	5.4472	1.6	V
1919 5001	58217.94	21 53N	78 51W	77.5	187.0	3.232	2.45	72.1	S0312	.03080	9.3847	1.4	F
5002	58223.94	21 51N	78 47W	78.4	187.0	3.232	5.95	72.2	S0312	.03080	9.2527	1.0	A
5003	58416.34	8 10N	80 58W	88.0	186.6	3.232	17.50	70.2	S0312	.03080	8.2622	1.4	F
5004	58419.94	8 8N	80 59W	87.4	186.6	3.232	17.85	70.2	S0312	.03080	8.3777	1.2	V
9001	58226.94	21 39N	78 50W	78.3	187.0	3.232	5.60	72.2	S0409	.05390	9.2353	0.8	A
1920 5001	63300.14	37 9N	97 57W	74.5	188.2	2.881	-7.00	64.2	S0312	.02210	9.7314	1.4	F
5002	63305.74	37 8N	97 57W	74.6	188.1	2.881	-5.95	64.2	S0312	.02210	9.7479	1.6	A
9001	63300.74	37 6N	97 57W	74.6	188.2	2.881	-7.00	64.2	S0409	.05390	9.7305	0.6	F
9002	63305.94	37 7N	97 57W	74.5	188.1	2.881	-5.95	64.2	S0409	.05390	9.7470	0.8	A
1925 5001	2983.54	6N 5N	166 35E	85.0	197.8	1.338	22.40	37.1	S0312	.04000	8.6336	0.8	V
5002	3209.94	52 53N	156 17E	75.3	190.9	2.181	-1.40	51.2	S0312	.03080	9.6324	1.2	F
5003	3215.54	52 52N	156 17E	75.4	190.8	2.181	-0.70	51.2	S0312	.03080	9.6406	1.4	A
5004	3239.54	50 47N	156 12E	79.8	190.4	2.390	17.15	53.2	S0312	.04000	9.1289	1.0	F
5005	3242.94	50 45N	156 12E	79.1	190.3	2.181	17.85	53.3	S0312	.04000	9.3022	0.6	V
5006	3243.94	50 40N	156 10E	79.1	190.3	2.181	17.85	53.3	S0312	.04000	9.3022	1.0	V
5007	3247.14	50 39N	156 10E	80.2	190.3	2.181	18.20	53.3	S0312	.04000	9.0628	1.2	A
5008	3260.54	49 39N	154 52E	74.6	190.1	2.390	-9.10	54.0	S0312	.03080	9.8552	0.4	V
5009	3263.34	49 39N	154 52E	75.4	190.0	2.390	-8.75	54.0	S0312	.03080	9.6571	0.4	A
5010	3268.74	48 56N	154 16E	78.6	190.0	2.181	-19.95	54.5	S0312	.04000	9.2031	1.4	F
5011	3274.54	48 56N	154 14E	78.6	189.9	2.390	-19.95	54.5	S0312	.04000	9.2692	1.6	A
9001	3210.54	52 50N	156 16E	75.4	190.8	2.181	-1.40	51.3	S0409	.05390	9.6314	0.4	F
9002	3215.94	52 50N	156 16E	75.3	190.8	2.181	-0.70	51.3	S0409	.05390	9.6397	0.4	A
9003	3231.14	51 30N	156 49E	84.3	190.5	2.037	25.90	52.6	S0409	.07180	8.7153	1.0	V
9004	3234.34	51 30N	156 49E	85.6	190.5	2.037	26.25	52.7	S0409	.05390	8.4678	0.8	A
9005	3269.34	48 54N	154 15E	78.6	189.9	2.181	-19.95	54.6	S0409	.09620	9.2023	0.4	F
9006	3274.94	48 54N	154 14E	78.5	189.9	2.390	-19.95	54.6	S0409	.09620	9.2683	0.4	A
1926 5001	8636.94	44 53N	132 3E	78.3	189.2	2.530	15.05	58.3	S0312	.03080	9.3104	1.4	F
5002	8642.14	44 29N	132 8E	81.2	189.2	2.530	20.65	58.7	S0312	.02210	8.9803	1.0	F
5003	8645.34	44 28N	132 8E	80.6	189.1	2.530	21.00	58.7	S0312	.02210	9.1371	0.8	V
5004	8651.14	44 7N	131 41E	75.9	189.1	2.530	11.20	58.9	S0312	.03080	9.6901	0.8	V
5005	8654.14	44 6N	131 41E	77.0	189.1	2.530	11.55	58.9	S0312	.03080	9.4508	0.8	A
5006	8662.34	43 5N	131 54E	84.5	189.0	2.530	25.20	59.9	S0312	.03080	8.6419	1.0	F
5007	8665.54	43 4N	131 53E	83.8	188.9	2.530	25.55	59.9	S0312	.03080	8.7822	0.8	V
5008	8672.74	42 38N	131 11E	75.1	188.9	2.738	8.05	60.0	S0312	.03080	9.7892	0.8	V
5009	8675.94	42 37N	131 11E	76.2	188.8	2.738	8.75	60.1	S0312	.03080	9.5416	0.4	A
5010	8686.14	41 51N	129 48E	82.9	188.7	2.390	-29.40	60.2	S0312	.03080	8.8565	1.8	V
5011	8695.54	41 24N	129 48E	81.4	188.6	2.530	-25.90	60.7	S0312	.04000	8.9473	1.6	A
5012	8701.94	41 1N	129 17E	90.3	188.6	2.390	-37.10	60.8	S0312	.02210	8.0806	1.0	A
5013	8747.74	37 48N	128 58E	80.5	188.2	2.738	-24.50	63.4	S0312	.03080	9.0628	1.8	A
9001	8651.54	44 5N	131 41E	75.9	189.1	2.530	11.20	58.9	S0409	.05390	9.6892	0.4	V
9002	8654.34	44 5N	131 41E	76.9	189.0	2.530	11.55	58.9	S0409	.05390	9.4499	0.4	A
9003	8661.34	43 9N	131 55E	84.5	189.0	2.530	25.20	59.8	S0409	.04070	8.6411	1.8	F
9004	8665.74	43 3N	131 53E	83.8	188.9	2.530	25.55	59.9	S0409	.07180	8.7814	0.4	V
9005	8673.14	42 37N	131 10E	75.1	188.9	2.738	8.05	60.1	S0409	.09620	9.7882	0.4	V
9006	8675.94	42 36N	131 11E	76.1	188.8	2.738	8.75	60.1	S0409	.07180	9.5406	0.4	A
9007	8686.74	41 48N	129 47E	82.9	188.7	2.390	-29.40	60.3	S0409	.07180	8.8556	0.8	V
9008	8690.14	41 47N	129 46E	83.6	188.7	2.390	-29.05	60.3	S0409	.07180	8.7071	0.4	A
9009	8695.14	41 25N	129 48E	81.3	188.7	2.530	-25.90	60.6	S0409	.07180	8.9464	1.0	A
1927 5001	13840.34	52 1N	113 5E	91.0	190.7	2.037	32.20	52.2	S0312	.02210	8.0146	1.2	F
5002	13843.94	51 59N	113 5E	90.5	190.6	1.826	32.90	52.2	S0312	.02210	8.1384	1.2	V
5003	14083.94	35 34N	106 45E	74.6	188.0	2.881	-11.55	65.2	S0312	.02210	9.7149	1.8	F
5004	14097.94	34 27N	107 39E	87.7	187.9	2.738	28.70	66.5	S0312	.03080	8.3200	1.2	F
5005	14108.74	34 0N	106 44E	73.7	187.9	2.881	2.10	66.4	S0312	.03080	9.9625	1.0	V
5006	14111.94	33 58N	106 43E	74.7	187.8	2.881	2.45	66.4	S0312	.03080	9.7231	0.8	A
5007	14119.94	33 10N	107 12E	83.6	187.8	2.738	24.85	67.3	S0312	.03080	8.7904	1.0	V
5008	14125.54	33 0N	106 58E	80.3	187.8	2.738	19.25	67.3	S0312	.03080	9.0381	1.0	A
5009	14139.14	31 48N	105 21E	84.9	187.7	2.530	-30.45	67.3	S0312	.02210	8.4933	1.4	F
5010	14145.34	31 48N	105 20E	84.6	187.6	2.738	-30.10	67.3	S0312	.02210	8.6089	1.4	A
5011	14174.14	29 26N	106 27E	86.7	187.5	2.738	27.65	69.7	S0312	.02210	8.4603	1.2	V
5012	14177.74	29 24N	106 27E	88.3	187.5	2.530	28.35	69.7	S0312	.02210	8.2044	1.4	A
5013	14217.34	26 14N	105 49E	88.8	187.3	2.738	28.70	71.3	S0312	.03080	8.2292	0.6	F
5014	14220.54	26 14N	105 49E	88.2	187.3	2.738	29.05	71.3	S0312	.03080	8.3385	0.6	V
5015	14237.94	25 1N	103 38E	95.7	187.2	2.530	-40.25	70.2	S0312	.02210	7.5606	0.6	F
5016	14246.14	24 51N	103 59E	83.8	187.2	3.092	-28.70	70.6	S0312	.03080	8.6996	0.4	A
5017	14281.74	21 48N	104 52E	88.9	187.0	2.881	26.60	72.7	S0312	.02210	8.2044	1.4	F
5018	14285.34	21 46N	104 52E	88.3	187.0	2.881	26.95	72.7	S0312	.02210	8.3200	1.6	V
5019	14347.74	17 25N	102 48E	82.6	186.8	3.232	-21.70	71.9	S0312	.03080	8.7409	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

4353

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1927 5020	14353.74	17 25N	102 48E	82.5	186.8	3.439	-21.00	71.9	SO312	.03080	8.8070	0.6	A
9001	13858.94	50 59N	110 60E	75.5	190.4	2.181	-11.20	52.8	SO409	.07180	9.5984	0.8	F
9002	13864.34	50 59N	110 60E	75.4	190.3	2.181	-10.50	52.8	SO409	.07180	9.6479	0.8	A
9003	14096.94	34 30N	107 39E	87.5	187.9	2.738	28.70	66.5	SO409	.05390	8.3357	0.6	F
9004	14139.54	31 46N	105 20E	84.9	187.7	2.530	-30.45	67.3	SO409	.04070	8.4925	0.4	F
9005	14145.54	31 47N	105 20E	84.6	187.6	2.738	-30.10	67.3	SO409	.04070	8.6081	0.4	A
9006	14161.34	30 17N	106 49E	91.6	187.6	2.530	32.90	69.3	SO409	.05390	8.0221	1.2	V
9007	14164.74	30 17N	106 49E	93.2	187.5	2.530	33.25	69.3	SO409	.05390	7.7580	1.2	A
9008	14193.14	28 30N	104 41E	84.6	187.4	2.881	-29.40	69.1	SO409	.04070	8.6081	1.8	A
9009	14301.74	20 52N	104 43E	90.6	187.0	2.530	29.05	72.9	SO409	.05390	7.9643	0.8	A
9010	14317.74	19 29N	103 10E	81.8	186.9	3.232	-22.40	71.9	SO409	.04070	8.8226	0.8	F
9011	14323.54	19 29N	103 10E	81.6	186.9	3.439	-21.70	71.9	SO409	.04070	8.9052	0.8	A
1928 5001	19063.74	57 53N	93 8E	84.4	192.4	1.826	23.45	46.8	SO312	.03080	8.6336	0.8	F
5002	19069.74	57 53N	93 7E	84.6	192.3	1.690	23.80	46.8	SO312	.03080	8.5923	0.8	A
5003	19084.54	56 29N	92 31E	84.8	191.9	2.037	24.50	48.1	SO312	.04000	8.5841	0.4	F
5004	19087.74	56 16N	92 21E	83.8	191.9	2.037	23.10	48.3	SO312	.04000	8.6831	1.0	F
5005	19093.74	56 16N	92 21E	84.5	191.7	1.826	24.15	48.3	SO312	.04000	8.6089	1.0	A
5006	19103.14	55 23N	90 45E	75.5	191.5	2.037	-5.25	48.9	SO312	.04000	9.5993	0.6	F
5007	19105.94	55 22N	90 45E	74.7	191.5	2.037	-4.90	48.9	SO312	.04000	9.8387	0.4	V
5008	19112.94	55 7N	90 21E	76.6	191.3	2.037	-12.25	49.1	SO312	.04000	9.5085	0.4	A
5009	19276.94	43 50N	87 34E	79.0	189.0	2.390	17.85	59.1	SO312	.03080	9.1949	1.6	A
5010	19291.54	42 24N	87 25E	83.0	188.9	2.530	24.50	60.4	SO312	.02210	8.7904	1.6	F
5011	19297.74	42 23N	87 25E	83.6	188.8	2.390	25.20	60.4	SO312	.02210	8.6666	1.4	A
5012	19678.94	15 54N	80 30E	81.7	186.8	3.232	-17.85	71.9	SO312	.03080	8.8482	1.4	F
5013	19684.94	15 53N	80 30E	81.7	186.8	3.439	-17.15	71.9	SO312	.03080	8.8895	1.2	A
5014	19709.14	13 48N	80 15E	80.9	186.7	3.439	-12.95	71.7	SO312	.03080	8.9390	2.4	F
5015	19714.94	13 48N	80 15E	81.0	186.7	3.439	-11.90	71.7	SO312	.03080	8.9555	3.0	A
5016	19729.54	12 35N	80 11E	79.5	186.7	3.439	-5.95	71.5	SO312	.03080	9.2031	0.6	V
5017	19732.54	12 35N	80 11E	80.6	186.7	3.439	-5.60	71.5	SO312	.03080	8.9803	0.6	A
9001	19103.14	55 23N	90 45E	75.6	191.5	2.037	-5.25	48.9	SO409	.07180	9.5984	0.4	F
9002	19108.54	55 23N	90 44E	75.5	191.4	2.037	-4.90	48.9	SO409	.07180	9.6232	0.4	A
9003	19265.14	44 12N	88 0E	84.6	189.1	2.530	25.90	58.9	SO409	.05390	8.6246	1.0	F
9004	19271.34	44 11N	88 0E	85.2	189.1	2.181	26.95	58.9	SO409	.04070	8.5090	0.8	A
9005	19292.14	42 22N	87 25E	83.0	188.9	2.530	24.50	60.4	SO409	.05390	8.7896	0.4	F
9006	19298.14	42 21N	87 24E	83.5	188.8	2.390	25.20	60.4	SO409	.05390	8.6658	0.4	A
1929 5001	24419.54	54 57N	69 12E	77.6	191.4	2.037	13.65	49.4	SO312	.04000	9.4673	1.2	V
5002	24422.94	54 55N	69 11E	78.7	191.3	2.037	14.00	49.4	SO312	.04000	9.2362	1.2	A
5003	24476.54	51 16N	66 5E	84.3	190.4	1.826	-30.10	52.3	SO312	.03080	8.7244	0.6	V
5004	24480.34	50 59N	66 8E	81.8	190.3	2.037	-26.95	52.6	SO312	.03080	8.9803	0.8	V
5005	24483.34	50 59N	66 8E	82.5	190.3	2.037	-26.60	52.6	SO312	.03080	8.8317	1.0	A
5006	24567.54	44 35N	66 16E	91.0	189.2	2.390	32.20	58.7	SO312	.02210	8.0228	1.2	F
5007	24571.14	44 33N	66 16E	90.5	189.2	2.181	32.90	58.7	SO312	.02210	8.1384	1.4	V
9001	24196.14	69 14N	81 29E	111.8	199.2	1.338	43.05	35.9	SO409	.04070	6.5035	0.4	F
9002	24204.14	69 14N	81 28E	111.8	198.8	0.787	43.75	35.9	SO409	.04070	6.4540	0.4	A
9003	24332.14	60 43N	71 28E	76.8	193.5	1.690	1.75	44.0	SO409	.07180	9.4499	1.0	F
9004	24337.74	60 43N	71 27E	76.7	193.3	1.690	2.10	44.0	SO409	.07180	9.4581	0.8	A
9005	24462.54	51 55N	67 22E	75.0	190.6	2.037	-3.50	52.0	SO409	.05390	9.6727	0.8	F
9006	24467.94	51 55N	67 22E	75.0	190.5	2.037	-2.80	52.0	SO409	.05390	9.6892	0.8	A
9007	24638.94	39 45N	64 34E	83.6	188.5	2.390	24.15	62.5	SO409	.05390	8.7236	1.4	F
9008	24643.74	39 50N	64 32E	83.1	188.5	2.390	23.45	62.4	SO409	.05390	8.7071	2.6	A
9009	24652.54	38 60N	64 32E	86.7	188.4	2.390	29.05	63.1	SO409	.04070	8.4678	0.8	V
9010	24655.74	38 60N	64 32E	88.1	188.4	2.390	29.40	63.2	SO409	.04070	8.2037	0.8	A
9011	24675.74	37 39N	61 54E	96.6	188.2	2.181	-42.00	63.1	SO409	.04070	7.6094	1.0	V
9012	24679.34	37 39N	61 55E	97.0	188.2	2.390	-41.65	63.1	SO409	.04070	7.5021	0.8	A
9013	24732.34	33 27N	62 17E	74.5	187.8	3.092	-2.10	66.7	SO409	.05390	9.7552	1.2	F
9014	24737.94	33 26N	62 16E	74.5	187.8	3.092	-1.40	66.7	SO409	.05390	9.7305	1.0	A
1930 5001	29529.93	68 8N	53 49E	79.3	197.8	1.135	-10.50	36.9	SO312	.04000	9.1289	0.8	F
5002	29535.73	68 7N	53 48E	79.2	197.5	1.338	-10.50	36.9	SO312	.04000	9.1701	0.6	A
5003	29540.74	67 38N	53 4E	79.7	197.2	1.135	-15.40	37.4	SO312	.04000	9.1949	0.8	V
5004	29543.74	67 38N	53 2E	80.6	197.1	1.338	-15.75	37.4	SO312	.04000	9.0133	0.6	A
5005	29637.94	61 4N	46 55E	104.9	193.5	0.787	-43.40	43.4	SO312	.03080	6.8673	1.8	F
5006	29641.94	61 3N	46 54E	103.2	193.4	0.995	-43.40	43.4	SO312	.03080	7.0984	2.0	V
5007	29663.33	59 14N	49 29E	82.0	192.8	1.690	21.35	45.5	SO312	.04000	8.9555	1.2	V
5008	29666.74	59 13N	49 28E	83.1	192.7	1.690	21.70	45.5	SO312	.04000	8.7327	1.2	A
5009	29692.93	57 4N	48 15E	80.9	192.1	2.037	18.20	47.5	SO312	.04000	8.9885	0.8	F
5010	29696.13	57 3N	48 15E	80.2	192.0	1.826	18.90	47.5	SO312	.04000	9.1619	0.4	V
5011	29698.94	56 51N	48 8E	79.9	192.0	2.037	18.20	47.6	SO312	.04000	9.1866	0.6	V
5012	29701.94	56 51N	48 9E	81.1	191.9	1.826	18.90	47.7	SO312	.04000	8.9555	0.8	A
5013	29705.53	56 36N	48 5E	81.7	191.8	1.826	19.95	47.9	SO312	.04000	8.8977	1.2	A
5014	29714.94	56 5N	46 44E	75.8	191.6	2.037	-6.65	48.2	SO312	.04000	9.5911	1.6	A
5015	29720.94	55 30N	46 25E	75.2	191.5	2.037	-8.75	48.7	SO312	.04000	9.7644	0.4	V
5016	29723.53	55 30N	46 26E	76.0	191.5	2.037	-8.40	48.7	SO312	.04000	9.5746	0.6	A
5017	29740.14	54 16N	45 12E	81.9	191.1	1.826	-26.25	49.7	SO312	.04000	8.9473	1.2	V
5018	29743.53	54 14N	45 10E	82.9	191.1	1.826	-26.25	49.7	SO312	.03080	8.8070	1.4	A
5019	29766.33	52 9N	45 48E	76.6	190.7	2.390	9.10	51.9	SO312	.04000	9.4838	1.0	F
5020	29767.74	52 3N	45 46E	76.6	190.7	2.390	9.10	51.9	SO312	.04000	9.4920	2.2	F
5021	29772.74	51 43N	45 41E	77.0	190.6	2.390	10.50	52.3	SO312	.04000	9.4425	0.6	F
5022	29776.73	51 49N	45 45E	77.4	190.5	2.181	11.90	52.2	SO312	.04000	9.3930	0.6	A
5023	29777.73	51 45N	45 43E	77.4	190.5	2.181	11.90	52.2	SO312	.04000	9.3930	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1930 5024	29779.53	51 37N	45 41E	77.4	190.5	2.181	11.90	52.3	SO312	.04000	9.3847	0.8	A
5025	29796.14	50 6N	45 17E	78.6	190.2	2.390	15.05	53.7	SO312	.03080	9.2609	1.2	F
5026	29801.94	50 5N	45 17E	79.0	190.1	2.181	16.10	53.7	SO312	.03080	9.2031	1.4	A
5027	29827.93	48 21N	44 18E	75.4	189.8	2.390	4.90	55.2	SO312	.04000	9.6406	1.4	A
5028	29862.34	45 55N	42 37E	79.2	189.4	2.390	-23.80	57.0	SO312	.03080	9.2609	1.4	V
5029	29865.94	45 52N	42 36E	80.0	189.3	2.390	-23.45	57.0	SO312	.03080	9.1041	0.8	A
5030	29882.33	44 12N	43 29E	79.8	189.1	2.390	18.20	58.8	SO312	.03080	9.1371	1.2	F
5031	29888.93	43 43N	43 32E	82.6	189.1	2.390	23.10	59.3	SO312	.03080	8.8235	0.8	F
5032	29892.13	43 30N	43 29E	83.0	189.0	2.390	23.80	59.4	SO312	.03080	8.7964	0.6	F
5033	29894.94	43 30N	43 29E	82.3	189.0	2.390	24.15	59.4	SO312	.03080	8.9390	1.0	V
5034	29913.13	42 14N	41 41E	79.2	188.8	2.390	-22.05	60.0	SO312	.02210	9.1371	1.0	F
5035	29916.33	42 12N	41 41E	78.2	188.8	2.390	-21.70	60.0	SO312	.02210	9.3847	0.6	V
5036	29920.53	41 54N	41 46E	76.0	188.7	2.390	-16.45	60.3	SO312	.03080	9.6571	0.6	V
5037	29923.34	41 54N	41 46E	76.9	188.7	2.738	-16.45	60.3	SO312	.03080	9.4755	0.6	A
5038	29927.13	41 39N	41 37E	77.9	188.7	2.738	-19.25	60.5	SO312	.03080	9.3517	1.0	A
5039	30907.13	25 42S	28 2E	117.8	187.2	3.092	-31.85	42.8	SO312	.03080	6.1244	1.6	V
5040	30911.73	25 42S	28 2E	118.9	187.3	3.092	-31.15	42.8	SO312	.03080	6.0254	1.2	A
5041	30916.33	26 18S	27 45E	122.4	187.3	3.092	-35.00	42.1	SO312	.03080	5.9015	0.8	V
5042	30920.33	26 16S	27 46E	123.3	187.3	3.092	-34.30	42.2	SO312	.03080	5.8107	1.6	A
9001	29642.33	61 1N	46 53E	103.2	193.4	0.995	-43.40	43.4	SO409	.05390	7.0978	0.8	V
9002	29646.14	61 1N	46 52E	104.4	193.3	0.995	-43.40	43.4	SO409	.05390	6.9657	0.8	A
9003	29705.74	56 35N	48 4E	81.6	191.8	1.826	19.95	47.9	SO409	.07180	8.8969	0.8	A
9004	29752.33	53 12N	45 11E	78.1	190.9	2.037	-17.85	50.7	SO409	.07180	9.2600	0.8	F
9005	29757.94	53 12N	45 11E	77.8	190.8	2.037	-17.15	50.7	SO409	.07180	9.3426	0.8	A
9006	29772.74	51 42N	45 41E	77.0	190.6	2.390	10.50	52.3	SO409	.07180	9.4416	0.4	F
9007	29778.33	51 42N	45 42E	77.4	190.5	2.181	11.90	52.3	SO409	.07180	9.3921	0.4	A
9008	29812.33	48 51N	45 40E	93.7	190.0	2.181	34.30	55.0	SO409	.05390	7.7910	0.6	F
9009	29819.13	48 51N	45 40E	94.5	189.9	1.826	35.35	55.0	SO409	.05390	7.6672	0.4	A
9010	29849.53	46 24N	44 21E	83.0	189.5	2.390	23.10	57.0	SO409	.05390	8.7814	1.2	F
1931 5001	34817.53	69 27N	32 30E	81.5	198.9	0.995	-16.80	35.6	SO312	.04000	8.8730	1.2	F
5002	34820.93	69 25N	32 29E	80.4	198.7	0.995	-16.45	35.6	SO312	.04000	9.1123	0.6	V
5003	34828.73	68 33N	33 19E	79.3	198.2	1.338	8.05	36.5	SO312	.04000	9.1371	1.6	F
5004	34834.33	68 33N	33 19E	79.3	197.9	1.338	8.40	36.5	SO312	.04000	9.1454	2.2	A
5005	34847.33	67 30N	32 31E	78.9	197.2	1.338	11.20	37.5	SO312	.04000	9.2939	0.6	V
5006	34851.33	67 13N	32 21E	79.4	197.0	1.338	12.60	37.8	SO312	.04000	9.2444	0.6	V
5007	34854.33	67 13N	32 22E	80.4	196.9	1.338	12.95	37.8	SO312	.04000	9.0298	0.6	A
5008	34965.53	59 23N	27 26E	82.6	193.0	1.826	20.65	45.3	SO312	.04000	8.8152	0.6	F
5009	34972.13	59 23N	26 55E	78.0	192.8	1.826	10.50	45.3	SO312	.04000	9.3187	0.4	A
5010	34979.93	58 26N	26 48E	80.9	192.6	2.037	17.85	46.2	SO312	.04000	8.9885	0.6	F
5011	34982.73	58 26N	26 48E	80.1	192.5	1.826	18.20	46.2	SO312	.04000	9.1784	0.6	V
5012	34984.73	58 1N	26 6E	76.1	192.3	2.037	7.35	46.5	SO312	.04000	9.6489	0.6	V
5013	34992.53	58 1N	26 6E	77.1	192.3	2.037	7.70	46.5	SO312	.04000	9.4260	0.6	A
5014	35011.33	56 42N	24 7E	81.3	191.9	1.690	-24.50	47.5	SO312	.04000	9.0298	1.2	V
5015	35014.73	56 41N	24 6E	82.2	191.8	1.690	-24.50	47.5	SO312	.04000	8.8565	0.8	A
5016	35019.53	55 58N	23 29E	87.3	191.7	1.690	-31.50	48.1	SO312	.03080	8.2869	0.6	F
5017	35022.33	55 60N	23 30E	86.0	191.6	1.690	-31.15	48.1	SO312	.03080	8.5346	1.6	V
5018	35026.13	55 57N	23 29E	86.7	191.6	1.690	-30.80	48.1	SO312	.03080	8.4025	0.8	A
5019	35034.33	55 4N	24 15E	74.7	191.4	2.037	-5.60	49.1	SO312	.04000	9.8304	0.8	V
5020	35038.73	54 47N	23 57E	75.4	191.3	2.037	-10.50	49.3	SO312	.04000	9.7479	0.4	V
5021	35041.33	54 48N	23 57E	76.2	191.3	2.037	-10.15	49.3	SO312	.04000	9.5498	1.0	A
5022	35061.13	52 52N	24 47E	87.4	190.9	2.181	28.35	51.3	SO312	.03080	8.3365	1.0	F
5023	35065.13	52 37N	24 34E	85.3	190.8	2.181	25.90	51.5	SO312	.03080	8.5428	1.0	F
5024	35069.13	52 33N	24 34E	85.2	190.8	2.181	26.95	51.6	SO312	.03080	8.6336	1.2	V
5025	35072.53	52 32N	24 34E	86.5	190.7	2.181	27.30	51.6	SO312	.03080	8.3860	0.8	A
5026	35079.33	52 8N	23 41E	76.8	190.6	2.181	9.80	51.9	SO312	.04000	9.4673	1.2	A
5027	35083.93	51 37N	23 35E	76.6	190.5	2.181	12.25	52.3	SO312	.04000	9.5993	1.0	V
5028	35087.13	51 35N	23 35E	77.6	190.5	2.181	12.60	52.4	SO312	.04000	9.3682	0.8	A
5029	35090.13	51 12N	23 26E	76.5	190.4	2.181	12.25	52.7	SO312	.04000	9.6076	0.8	V
5030	35093.13	51 11N	23 26E	77.6	190.4	2.181	12.60	52.7	SO312	.04000	9.3682	1.2	A
5031	35102.53	50 5N	23 38E	85.8	190.2	2.181	26.95	53.8	SO312	.03080	8.5016	0.6	F
5032	35105.53	50 5N	23 37E	84.8	190.2	2.181	26.95	53.8	SO312	.03080	8.6749	0.6	V
5033	35109.73	49 46N	23 41E	88.1	190.1	2.181	30.45	54.1	SO312	.03080	8.3530	0.6	V
5034	35113.13	49 46N	23 41E	89.6	190.1	2.181	30.80	54.1	SO312	.03080	8.1054	0.4	A
5035	35115.73	49 22N	23 33E	88.4	190.0	2.181	30.80	54.5	SO312	.03080	8.3200	0.6	V
5036	35123.33	48 46N	22 29E	76.2	189.9	2.390	9.10	54.8	SO312	.04060	9.5416	0.4	F
5037	35134.33	48 9N	20 48E	87.0	189.8	2.037	-32.55	55.0	SO312	.03080	8.3200	0.8	F
5038	35137.33	48 9N	20 48E	85.7	189.7	2.037	-32.20	55.0	SO312	.03080	8.5676	1.0	V
5039	35140.53	48 9N	20 46E	87.1	189.7	2.037	-32.55	55.0	SO312	.03080	8.3777	1.0	A
5040	35145.93	47 20N	20 57E	79.9	189.6	2.037	-22.75	55.8	SO312	.03080	9.0711	0.4	F
5041	35148.53	47 21N	20 57E	78.8	189.6	2.037	-22.40	55.8	SO312	.03080	9.3187	0.8	V
5042	35153.33	47 2N	20 37E	83.0	189.5	2.037	-29.05	55.9	SO312	.03080	8.8482	0.8	V
5043	35156.33	47 3N	20 37E	83.8	189.5	2.037	-28.70	55.9	SO312	.03080	8.7079	1.4	A
5044	35182.73	44 42N	21 13E	76.0	189.2	2.530	8.75	58.3	SO312	.03080	9.5746	1.8	F
5045	35188.53	44 41N	21 13E	76.4	189.1	2.530	9.80	58.3	SO312	.03080	9.5168	1.4	A
5046	35200.33	43 40N	21 3E	76.6	189.0	2.530	13.30	59.2	SO312	.02210	9.5993	1.0	V
5047	35203.53	43 39N	21 2E	77.7	189.0	2.530	13.65	59.2	SO312	.02210	9.3517	0.8	A
5048	35213.33	42 53N	19 53E	76.1	188.9	2.530	-17.85	59.5	SO312	.02210	9.6489	1.0	V
5049	35216.53	42 52N	19 52E	76.9	188.9	2.530	-17.50	59.5	SO312	.02210	9.4673	0.8	A
5050	35221.93	42 7N	19 32E	79.4	188.8	2.390	-22.40	60.1	SO312	.03080	9.1206	0.8	F
5051	35224.93	42 6N	19 32E	78.3	188.8	2.390	-22.05	60.1	SO312	.03080	9.3682	1.2	V
5052	35913.73	5 29S	12 12E	125.3	186.5	2.181	42.00	61.8	SO312	.02210	5.8107	1.6	V
5053	35918.53	5 29S	12 12E	128.1	186.6	1.826	42.70	61.8	SO312	.02210	5.5714	1.8	A
9001	34636.73	80 38N	58 3E	82.9	223.0	0.292	-11.55	23.8	SO409	.09620	8.8226	0.6	V
9002	34639.93	80 38N	57 60E	83.8	222.1	0.292	-11.55	23.8	SO409	.09620	8.6328	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1931	9003	34828.93	68 32N	33 18E	79.3	198.2	1.338	8.05	36.5	S0409	.07180	9.1362	0.4	F
	9004	34834.53	68 32N	33 18E	79.3	197.9	1.338	8.40	36.5	S0409	.07180	9.1445	0.4	A
	9005	35004.13	56 60N	24 8E	84.0	192.0	1.690	-26.95	47.2	S0409	.07180	8.6081	0.4	F
	9006	35007.13	56 60N	24 7E	83.0	192.0	1.690	-26.95	47.2	S0409	.07180	8.8474	0.4	V
	9007	35046.33	54 25N	24 4E	75.3	191.2	2.037	-3.15	49.7	S0409	.07180	9.6397	1.6	A
	9008	35055.73	53 40N	24 54F	84.5	191.0	2.037	24.85	50.6	S0409	.07180	8.5668	0.8	A
	9009	35165.13	46 15N	20 9E	87.9	189.4	2.037	-34.65	56.5	S0409	.05390	8.3522	0.4	V
	9010	35168.33	46 15N	20 9E	88.6	189.4	2.037	-34.30	56.5	S0409	.05390	8.2202	0.4	A
	9011	35231.13	41 27N	19 44E	75.3	188.7	2.738	-10.85	60.7	S0409	.04070	9.6232	1.0	F
	9012	35236.53	41 27N	19 44E	75.2	188.7	2.738	-10.15	60.7	S0409	.04070	9.6644	1.0	A
	9013	35246.93	40 22N	19 26E	75.5	188.6	2.738	-11.55	61.6	S0409	.07180	9.6067	1.2	F
	9014	35252.33	40 22N	19 26E	75.4	188.5	2.738	-10.85	61.6	S0409	.07180	9.6397	1.2	A
	9015	35905.53	5 13S	12 10E	122.1	186.5	2.390	39.90	62.0	S0409	.04070	5.9341	1.0	F
	9016	35909.93	5 13S	12 10E	122.0	186.5	2.181	40.60	62.0	S0409	.04070	5.9753	1.0	V
	9017	35914.33	5 32S	12 12E	125.3	186.5	2.181	42.00	61.8	S0409	.04070	5.8103	1.2	V
	9018	35919.13	5 32S	12 12E	128.0	186.6	1.826	42.70	61.8	S0409	.04070	5.5709	1.0	A
1932	5001	40491.13	44 36N	1 6W	74.9	189.2	2.530	3.15	58.3	S0312	.03080	9.7066	1.2	F
	5002	40494.53	44 33N	1 7W	74.1	189.1	2.530	3.50	58.3	S0312	.04000	9.9130	1.0	V
1934	5001	52114.13	25 3S	58 11W	117.0	187.2	2.530	25.20	44.4	S0312	.03080	6.1327	2.0	F
	5002	52125.33	25 14S	57 35W	139.2	187.2	1.690	39.20	44.5	S0312	.02210	5.0761	1.0	A
	5003	52151.13	27 18S	61 15W	136.2	187.3	2.881	-41.65	41.1	S0312	.02210	5.2082	1.2	F
	5004	52161.53	27 20S	61 14W	134.7	187.4	3.232	-40.60	41.1	S0312	.02210	5.3073	1.4	A
	5005	52194.53	29 34S	61 43W	135.9	187.5	3.092	-39.90	39.1	S0312	.02210	5.2577	2.2	A
	5006	52228.33	32 11S	59 9W	136.5	187.7	1.826	33.95	38.0	S0312	.02210	5.1752	2.0	A
	5007	52236.33	33 5S	59 16W	136.5	187.8	1.826	34.65	37.2	S0312	.02210	5.2742	1.6	V
	5008	52247.93	33 57S	61 9W	110.5	187.8	3.092	-4.55	35.7	S0312	.03080	6.4463	1.0	F
	5009	52252.53	33 58S	61 21W	110.3	187.9	3.092	-9.45	35.6	S0312	.03080	6.5206	1.2	V
	5010	52257.13	34 1S	61 16W	111.5	187.9	3.092	-6.30	35.6	S0312	.03080	6.3638	1.6	A
	5011	52271.53	35 20S	60 56W	113.3	188.0	2.738	9.45	34.6	S0312	.03080	6.3390	1.6	V
	5012	52277.53	35 47S	60 38W	119.3	188.0	2.530	18.55	34.3	S0312	.03080	6.0254	1.6	V
	5013	52314.13	38 13S	61 27W	117.3	188.3	2.390	12.95	31.9	S0312	.03080	6.1161	1.4	V
	5014	52320.33	38 51S	62 5W	114.9	188.3	2.738	1.05	31.1	S0312	.04000	6.1904	1.2	F
	5015	52328.53	38 50S	62 5W	115.8	188.4	2.738	1.75	31.2	S0312	.04000	6.1079	1.6	A
	5016	52398.13	43 14S	65 2W	138.7	189.0	2.881	-32.90	26.4	S0312	.03080	5.1092	1.8	A
	5017	52463.73	47 41S	65 53W	131.2	189.8	2.738	-22.75	22.3	S0312	.04000	5.3898	2.0	A
	5018	52539.53	53 19S	68 9W	137.4	190.9	2.181	-24.50	16.8	S0312	.04000	5.1257	1.4	F
	5019	52545.13	53 44S	67 43W	130.9	191.0	2.181	-15.75	16.6	S0312	.04000	5.3898	1.4	F
	5020	52549.33	53 42S	67 44W	129.7	191.1	2.181	-15.75	16.6	S0312	.04000	5.4888	1.4	V
	5021	52553.73	54 19S	67 49W	129.9	191.1	2.181	-13.65	16.1	S0312	.04000	5.4311	1.0	F
	5022	52561.73	54 54S	67 33W	128.2	191.3	2.037	-5.60	15.6	S0312	.05370	5.5054	0.6	F
	5023	52570.93	54 46S	68 21W	133.9	191.4	2.390	-17.85	15.5	S0312	.04000	5.2577	1.6	A
	9001	51992.93	16 14S	56 38W	110.2	186.8	2.530	25.55	52.3	S0409	.05390	6.4458	1.2	A
	9002	52015.53	18 10S	58 10W	99.5	186.9	3.439	-13.30	50.0	S0409	.05390	7.1966	1.2	F
	9003	52169.53	28 33S	61 36W	139.4	187.4	2.738	-42.35	39.9	S0409	.04070	5.0923	1.6	F
	9004	52188.33	29 49S	61 54W	140.7	187.5	2.738	-42.35	38.8	S0409	.04070	5.0428	1.4	F
	9005	52211.33	31 32S	60 14W	109.7	187.6	2.881	5.25	38.1	S0409	.05390	6.5118	1.2	F
	9006	52222.13	32 22S	59 44W	120.5	187.7	2.530	22.05	37.6	S0409	.05390	5.9423	1.2	F
	9007	52265.93	34 57S	61 1W	111.5	187.9	2.738	5.25	34.9	S0409	.05390	6.4458	1.2	V
1935	5001	56891.33	11 9N	74 13W	86.7	186.6	3.092	18.20	71.7	S0312	.03080	8.3860	0.6	F
	5002	56892.93	11 3N	74 15W	86.6	186.6	3.092	18.20	71.6	S0312	.03080	8.3943	0.6	F
	5003	56899.93	10 59N	73 60W	94.2	186.6	2.881	28.00	71.9	S0312	.02210	7.6514	1.0	A
	5004	56924.53	9 18N	74 25W	91.8	186.6	2.881	23.80	71.1	S0312	.02210	7.8577	0.8	A
	5005	56933.13	8 45N	75 9W	82.1	186.6	3.439	-0.70	70.2	S0312	.03080	8.8070	1.4	A
	5006	56940.93	7 60N	75 11W	81.6	186.6	3.439	2.45	70.0	S0312	.03080	8.9638	0.6	V
	5007	56987.73	4 34N	75 40W	84.5	186.5	3.439	7.00	68.2	S0312	.03080	8.5758	0.4	F
	5008	56994.93	4 28N	75 14W	94.7	186.5	2.881	24.85	68.5	S0312	.02210	7.5936	0.4	A
	5009	57092.13	2 16S	78 6W	104.3	186.5	3.232	-36.75	62.6	S0312	.02210	6.9746	0.8	V
	5010	57121.33	4 22S	77 38W	88.0	186.5	3.587	-8.75	61.7	S0312	.03080	8.2704	1.4	V
	5011	57124.93	4 23S	77 38W	89.3	186.5	3.587	-8.40	61.7	S0312	.03080	8.0641	1.4	A
1936	5001	61791.53	38 52N	90 17W	86.3	188.4	2.530	27.65	63.1	S0312	.02210	8.4520	4.8	F
	5002	61799.33	38 45N	90 18W	87.1	188.3	2.530	28.35	63.2	S0312	.02210	8.3200	4.6	A
	9001	61792.13	38 49N	90 17W	86.3	188.4	2.530	27.65	63.2	S0409	.04070	8.4512	4.2	F
	9002	61799.53	38 44N	90 19W	87.0	188.3	2.530	28.35	63.2	S0409	.04070	8.3192	3.8	A
1941	9001	1663.73	57 3N	162 1E	103.9	192.0	0.995	-43.75	46.8	S0409	.04070	6.9492	0.6	F
	9002	1671.13	57 3N	162 1E	103.1	191.9	1.338	-43.75	46.8	S0409	.04070	7.0565	0.8	A
1942	5001	7082.13	49 16N	140 16E	87.6	190.1	2.181	29.05	54.4	S0312	.02210	8.3365	0.6	F
	5002	7085.33	49 16N	140 16E	87.0	190.0	2.181	29.40	54.4	S0312	.02210	8.4685	1.2	V
	5003	7089.33	49 13N	140 15E	88.4	190.0	2.181	29.75	54.4	S0312	.02210	8.2209	0.4	A
	5004	7852.93	3 38S	128 15E	90.5	186.5	3.232	10.50	62.7	S0312	.03080	7.9981	0.6	F
	5005	7859.53	3 38S	128 15E	91.5	186.5	3.232	11.55	62.7	S0312	.03080	7.8577	0.4	A
	9001	7021.53	53 30N	141 3E	76.9	191.0	2.181	9.80	50.4	S0409	.05390	9.4581	0.6	F
	9002	7024.33	53 30N	141 3E	76.1	191.0	2.181	10.15	50.4	S0409	.05390	9.6644	0.6	V
	9003	7030.53	53 2N	141 14E	79.8	190.9	2.037	19.25	50.9	S0409	.05390	9.2105	0.8	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1942 9004	7033.53	53 2N	141 14E	80.9	190.8	2.037	19.60	50.9	SO409	.05390	8.9629	0.6	A
9005	7055.53	51 31N	140 48E	83.2	190.5	2.037	23.45	52.3	SO409	.07180	8.7153	1.8	A
9006	7154.53	44 48N	136 27E	90.4	189.2	2.037	-37.45	57.5	SO409	.04070	8.1129	0.6	V
9007	7157.93	44 47N	136 27E	91.1	189.1	2.037	-37.10	57.5	SO409	.04070	7.9973	0.8	A
1943 5001	12514.93	40 50N	114 54E	76.0	188.6	2.738	10.50	61.3	SO312	.03080	9.5828	1.2	F
5002	12522.33	40 29N	115 8E	79.8	188.6	2.530	21.35	61.7	SO312	.03080	9.2279	0.8	V
5003	12525.33	40 28N	115 7E	81.0	188.5	2.530	21.70	61.7	SO312	.03080	8.9720	0.6	A
5004	12610.93	34 43N	112 32E	78.1	187.9	2.881	-19.95	65.4	SO312	.03080	9.3187	0.6	A
5005	12615.53	34 14N	112 13E	81.0	187.9	2.881	-27.30	65.6	SO312	.03080	9.0463	0.4	V
5006	12618.53	34 14N	112 13E	81.9	187.9	2.881	-26.95	65.6	SO312	.03080	8.8977	0.4	A
5007	12621.93	33 47N	112 12E	78.9	187.8	2.881	-24.50	66.0	SO312	.03080	9.2939	0.4	V
5008	12624.73	33 47N	112 12E	79.7	187.8	2.881	-24.15	66.0	SO312	.03080	9.1371	0.6	A
5009	12672.33	30 26N	112 5E	75.2	187.5	3.092	-1.75	68.4	SO312	.03080	9.6736	0.4	A
5010	12770.13	23 23N	110 1E	83.6	187.1	2.881	-26.60	71.0	SO312	.02210	8.6419	1.4	F
5011	12845.93	18 19N	109 28E	77.7	186.9	3.439	-11.20	72.2	SO312	.02210	9.4343	0.6	V
5012	12848.93	18 18N	109 28E	78.7	186.9	3.439	-10.85	72.2	SO312	.02210	9.2114	0.6	A
5013	12908.53	13 57N	109 4E	79.5	186.7	3.232	5.60	72.2	SO312	.03080	9.2197	0.4	V
5014	12911.53	13 57N	109 4E	80.7	186.7	3.232	6.30	72.2	SO312	.03080	8.9638	0.4	A
9001	12348.33	52 17N	117 44E	75.5	190.7	2.037	-10.15	51.4	SO409	.07180	9.6067	0.8	F
9002	12353.73	52 17N	117 44E	75.3	190.6	2.037	-9.45	51.4	SO409	.07180	9.6479	0.8	A
9003	12368.33	50 59N	116 32E	83.9	190.4	1.826	-29.05	52.4	SO409	.07180	8.6081	0.6	F
9004	12369.33	50 55N	116 31E	83.9	190.4	1.826	-29.05	52.4	SO409	.07180	8.6081	0.6	F
9005	12372.33	50 55N	116 31E	82.6	190.3	1.826	-28.70	52.4	SO409	.07180	8.8721	0.6	V
9006	12376.33	50 26N	116 32E	81.1	190.3	2.037	-25.20	52.9	SO409	.07180	8.9217	1.2	F
9007	12382.13	50 26N	116 31E	80.7	190.2	2.181	-24.85	52.9	SO409	.07180	9.0042	1.4	A
9008	12507.13	41 42N	115 41E	85.6	188.7	2.390	28.00	60.8	SO409	.05390	8.4512	0.8	A
9009	12533.53	39 34N	114 30E	74.7	188.5	2.881	8.40	62.2	SO409	.07180	9.7470	0.8	F
9010	12541.13	39 27N	114 10E	73.8	188.4	2.881	-1.40	62.2	SO409	.05390	9.8377	0.8	A
9011	12554.73	38 3N	114 30E	81.4	188.3	2.738	21.00	63.5	SO409	.05390	8.9547	0.6	F
9012	12557.73	38 2N	114 30E	80.8	188.3	2.530	21.70	63.6	SO409	.05390	9.1115	0.6	V
9013	12563.13	37 53N	114 24E	80.6	188.2	2.530	19.95	63.7	SO409	.05390	8.9877	0.6	A
9014	12568.13	37 5N	114 32E	87.4	188.2	2.530	28.70	64.4	SO409	.05390	8.3522	0.6	F
9015	12578.53	36 32N	113 18E	74.4	188.1	2.881	-8.05	64.3	SO409	.07180	9.7635	1.0	F
9016	12583.93	36 31N	113 18E	74.3	188.1	2.881	-7.00	64.3	SO409	.07180	9.7800	1.0	A
9017	12593.93	35 29N	112 58E	74.9	188.0	2.881	-11.20	65.0	SO409	.07180	9.6809	0.6	F
9018	12599.33	35 28N	112 59E	74.8	188.0	2.881	-10.15	65.0	SO409	.07180	9.7222	0.6	A
9019	12603.73	34 49N	112 41E	76.7	187.9	2.881	-16.45	65.4	SO409	.05390	9.4416	0.4	F
9020	12606.33	34 49N	112 41E	75.7	187.9	2.881	-16.10	65.4	SO409	.07180	9.6974	0.8	V
9021	12648.93	31 35N	112 57E	81.6	187.7	2.881	20.30	68.1	SO409	.05390	8.9382	0.6	F
9022	12651.73	31 35N	112 57E	80.9	187.7	2.881	20.65	68.1	SO409	.05390	9.0950	0.6	V
9023	12659.53	31 8N	112 12E	74.1	187.6	3.092	-3.50	67.9	SO409	.07180	9.9120	0.6	V
9024	12663.53	31 2N	112 13E	75.0	187.6	3.092	-1.40	68.0	SO409	.07180	9.6727	1.0	A
9025	12705.53	27 48N	111 16E	76.5	187.4	3.092	-12.95	69.6	SO409	.05390	9.4746	0.6	F
9026	12708.53	27 47N	111 16E	75.5	187.4	3.092	-12.25	69.6	SO409	.05390	9.7222	0.4	V
9027	12715.33	27 15N	111 40E	76.0	187.3	3.092	7.70	70.2	SO409	.05390	9.6562	0.6	V
9028	12727.53	26 23N	111 45E	80.0	187.3	2.881	17.50	70.8	SO409	.05390	9.1858	0.8	V
9029	12746.73	25 12N	110 18E	83.9	187.2	2.881	-29.05	70.4	SO409	.05390	8.7566	0.6	V
9030	12749.93	25 11N	110 18E	84.3	187.2	3.092	-28.35	70.4	SO409	.05390	8.6328	1.4	A
9031	12798.93	21 20N	110 15E	77.0	187.0	3.232	-2.80	72.0	SO409	.05390	9.4251	0.6	F
9032	12803.73	21 11N	110 17E	76.3	187.0	3.232	0.35	72.1	SO409	.05390	9.6149	0.6	V
9033	12806.53	21 11N	110 17E	77.3	187.0	3.232	0.70	72.1	SO409	.05390	9.3673	0.6	A
9034	12816.33	20 18N	110 13E	77.0	186.9	3.232	4.20	72.4	SO409	.05390	9.5241	0.6	V
9035	12819.13	20 19N	110 12E	78.1	186.9	3.232	4.55	72.4	SO409	.05390	9.2683	0.6	A
9036	12831.13	19 23N	109 11E	85.7	186.9	3.092	-29.40	71.7	SO409	.05390	8.5503	0.6	V
9037	12834.33	19 23N	109 10E	86.5	186.9	3.092	-29.05	71.7	SO409	.05390	8.4017	0.8	A
9038	12843.13	18 18N	109 28E	78.6	186.9	3.439	-11.55	72.2	SO409	.04070	9.2105	0.6	F
9039	12848.73	18 19N	109 28E	78.7	186.9	3.439	-10.85	72.2	SO409	.04070	9.2105	0.6	A
9040	12940.53	11 59N	108 26E	80.3	186.7	3.439	-5.25	71.4	SO409	.05390	9.0042	0.8	A
9041	12955.33	10 59N	108 6E	81.6	186.6	3.587	-12.25	70.9	SO409	.05390	8.8556	1.0	A
1944 5001	19201.53	53 4S	73 44E	135.7	190.8	1.690	19.95	18.1	SO312	.04000	5.2495	0.8	V
5002	19206.73	53 4S	73 45E	138.4	190.9	1.484	20.65	18.1	SO312	.04000	5.0761	1.0	A
9001	18019.73	27 30N	88 54E	76.7	187.3	3.092	-20.65	69.6	SO409	.05390	9.5737	0.6	V
9002	18090.73	22 34N	88 22E	75.9	187.1	3.232	-2.80	71.8	SO409	.05390	9.6727	0.6	V
9003	18093.53	22 34N	88 22E	76.8	187.0	3.232	-2.45	71.8	SO409	.05390	9.4251	0.6	A
9004	18973.93	37 51S	77 34E	117.1	188.2	2.530	12.95	32.5	SO409	.05390	6.1322	0.6	V
9005	18978.32	37 50S	77 34E	119.1	188.3	2.530	13.30	32.5	SO409	.05390	5.9258	0.8	A
1945 5001	22711.12	69 15N	81 30E	92.3	198.6	0.787	-32.55	35.5	SO312	.03080	7.8082	0.6	F
5002	22717.92	69 14N	81 29E	92.0	198.2	0.995	-32.55	35.5	SO312	.03080	7.8908	0.8	A
5003	23052.52	45 59N	72 14E	77.1	189.4	2.530	13.30	57.0	SO312	.03080	9.4425	0.6	F
5004	23057.92	45 60N	72 14E	77.5	189.4	2.530	14.00	57.0	SO312	.03080	9.3765	0.8	A
9001	22711.12	69 15N	81 29E	92.3	198.6	0.787	-32.55	35.5	SO409	.05390	7.8075	0.6	F
9002	22717.72	69 15N	81 29E	92.0	198.2	0.995	-32.55	35.5	SO409	.05390	7.8900	0.6	A
9003	22923.52	54 56N	73 32E	87.8	191.4	1.484	-32.20	48.8	SO409	.07180	8.2202	1.2	F
9004	22929.92	54 57N	73 24E	89.6	191.3	1.690	-34.30	48.8	SO409	.05390	8.1294	1.0	A
9005	23045.12	46 28N	72 35E	79.8	189.5	2.530	18.90	56.7	SO409	.05390	9.1362	1.2	F
9006	23052.32	45 60N	72 14E	77.1	189.4	2.530	13.30	57.0	SO409	.05390	9.4416	1.2	F
9007	23057.92	45 60N	72 14E	77.4	189.4	2.530	14.00	57.0	SO409	.05390	9.3756	0.6	A
9008	23093.92	43 15N	70 31E	76.4	189.0	2.530	-16.45	59.0	SO409	.07180	9.4829	1.6	F
9009	23098.92	43 17N	70 32E	76.0	188.9	2.530	-15.75	59.0	SO409	.07180	9.5571	1.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1945 9010	23119.12	41 34N	69 33E	85.4	188.7	2.181	-31.85	60.2	SO409	.05390	8.4512	2.0	F
9011	23125.72	41 20N	69 20E	87.9	188.7	2.181	-35.35	60.3	SO409	.05390	8.3440	0.8	V
9012	23128.92	41 20N	69 20E	88.7	188.6	2.390	-35.35	60.3	SO409	.05390	8.2119	0.6	A
9013	23133.32	41 0N	69 26E	84.2	188.6	2.390	-30.45	60.6	SO409	.05390	8.6493	0.6	A
9014	23138.32	40 15N	69 13E	85.6	188.5	2.181	-31.85	61.2	SO409	.05390	8.4265	1.6	F
9015	23144.52	40 15N	69 10E	86.4	188.5	2.390	-32.90	61.2	SO409	.05390	8.4347	1.6	A
9016	23171.92	37 56N	68 43E	84.6	188.3	2.390	-30.80	62.9	SO409	.05390	8.5420	1.6	F
9017	23175.72	37 53N	68 41E	83.7	188.2	2.390	-30.80	63.0	SO409	.05390	8.7731	1.2	V
9018	23179.72	37 49N	68 42E	83.8	188.2	2.390	-29.75	63.0	SO409	.05390	8.6823	1.4	A
9019	23361.32	24 58N	67 12E	79.9	187.2	3.092	16.10	71.4	SO409	.05390	9.1856	0.8	V
9020	23364.52	24 57N	67 12E	81.1	187.2	2.881	16.80	71.4	SO409	.05390	8.9134	0.6	A
1946 5001	28075.52	65 15N	57 19E	81.0	195.7	1.135	-18.90	39.4	SO312	.04000	8.9308	0.8	F
5002	28081.32	65 15N	57 18E	80.9	195.5	1.338	-18.90	39.4	SO312	.04000	8.9968	0.8	A
5003	28431.12	40 51N	49 27E	93.8	188.7	2.390	34.65	61.5	SO312	.01660	7.7835	1.0	F
5004	28434.52	40 50N	49 26E	92.9	188.6	2.181	35.00	61.5	SO312	.01660	7.8906	0.8	V
9001	28179.72	58 6N	54 39E	77.4	192.4	2.037	10.15	46.2	SO409	.07180	9.3756	0.6	F
9002	28188.92	57 56N	53 43E	76.2	192.2	1.826	-9.45	46.2	SO409	.07180	9.5406	0.6	A
9003	28199.92	57 2N	53 4E	76.6	192.0	1.826	-15.40	47.0	SO409	.07180	9.5902	0.6	V
9004	28202.72	57 2N	53 3E	77.4	191.9	1.826	-15.40	47.0	SO409	.07180	9.3921	0.6	A
9005	28208.52	56 31N	52 13E	83.7	191.8	1.690	-28.70	47.4	SO409	.07180	8.7566	0.4	V
9006	28211.52	56 31N	52 14E	84.4	191.7	1.690	-28.35	47.4	SO409	.07180	8.6081	0.6	A
9007	28231.52	54 37N	52 54E	75.7	191.3	2.181	5.25	49.3	SO409	.07180	9.5819	1.4	F
9008	28237.52	54 35N	52 54E	75.9	191.2	2.037	6.65	49.4	SO409	.07180	9.5571	1.6	A
9009	28259.92	52 35N	52 51E	83.8	190.8	2.181	24.15	51.3	SO409	.07180	8.6988	1.0	F
9010	28263.12	52 34N	52 51E	83.0	190.8	2.181	24.50	51.3	SO409	.07180	8.8556	0.8	V
9011	28409.92	42 46N	47 41E	85.7	188.9	2.181	-32.90	59.2	SO409	.04070	8.5503	0.8	V
9012	28413.12	42 46N	47 41E	86.5	188.8	2.390	-32.90	59.2	SO409	.04070	8.4182	1.0	A
9013	28434.52	40 50N	49 26E	92.9	188.6	2.181	35.00	61.5	SO409	.03070	7.8900	0.8	V
9014	28437.92	40 50N	49 26E	94.4	188.6	2.181	35.35	61.5	SO409	.03070	7.6342	0.8	A
9015	29130.52	6 54S	39 2E	89.8	186.6	3.439	3.15	60.1	SO409	.05390	8.1046	1.4	V
9016	29134.12	6 55S	39 2E	91.1	186.6	3.439	3.50	60.0	SO409	.05390	7.8653	1.4	A
1947 5001	33482.12	58 10N	33 5E	81.9	192.5	2.037	20.30	46.1	SO312	.04000	8.8895	0.6	F
5002	33487.32	57 51N	32 46E	80.2	192.4	2.037	17.50	46.4	SO312	.04000	9.0711	1.4	F
5003	33492.72	57 39N	32 50E	81.3	192.2	1.826	21.35	46.6	SO312	.04000	9.0298	0.4	V
5004	33495.72	57 39N	32 51E	82.5	192.2	1.826	21.70	46.6	SO312	.04000	8.7904	0.4	A
5005	33496.72	57 35N	32 49E	82.5	192.2	1.826	21.70	46.7	SO312	.04000	8.7904	0.4	A
5006	33497.72	57 31N	32 47E	82.4	192.1	1.826	21.70	46.8	SO312	.04000	8.7987	1.0	A
5007	33562.52	53 10N	30 27E	77.3	190.8	2.181	11.90	50.7	SO312	.04000	9.4095	0.4	A
5008	33707.92	43 4N	27 2E	74.9	188.9	2.530	9.10	59.4	SO312	.03080	9.8139	0.6	V
5009	33710.72	43 4N	27 2E	75.9	188.9	2.530	9.45	59.4	SO312	.03080	9.5746	0.6	A
9001	33333.32	68 7N	39 32E	80.5	197.9	1.484	13.30	36.7	SO409	.07180	9.6042	1.2	F
9002	33339.12	68 7N	39 33E	80.6	197.8	1.338	14.00	36.7	SO409	.07180	8.9877	1.2	A
9003	33431.92	61 48N	34 29E	76.7	193.9	1.690	8.75	42.7	SO409	.07180	9.5737	0.8	V
9004	33434.92	61 47N	34 27E	77.5	193.8	1.690	8.75	42.7	SO409	.07180	9.3508	0.6	A
9005	33447.12	61 6N	32 56E	78.1	193.4	1.690	-14.70	43.3	SO409	.07180	9.3013	0.6	A
9006	33459.12	60 1N	30 35E	104.8	193.1	0.995	-44.10	44.0	SO409	.05390	6.8749	0.6	F
9007	33466.72	60 1N	30 35E	104.1	192.9	1.338	-44.10	44.0	SO409	.05390	6.9822	0.6	A
9008	33511.52	56 27N	31 34E	75.0	191.8	2.037	5.25	47.6	SO409	.07180	9.7965	0.8	V
9009	33514.52	56 27N	31 34E	75.9	191.8	2.037	5.60	47.7	SO409	.07180	9.5654	0.6	A
9010	33530.52	55 16N	30 8E	77.1	191.4	2.037	-17.85	48.6	SO409	.07180	9.5159	1.8	V
9011	33538.72	54 29N	30 19E	75.1	191.3	2.181	-5.95	49.4	SO409	.07180	9.6562	1.0	F
9012	33544.12	54 29N	30 18E	75.0	191.2	2.181	-5.60	49.4	SO409	.07180	9.6809	1.0	A
9013	33550.52	54 1N	30 21E	75.0	191.1	2.181	0.35	49.8	SO409	.07180	9.6892	0.6	A
9014	33554.52	53 34N	30 13E	74.2	191.0	2.181	1.75	50.3	SO409	.07180	9.9038	0.8	V
9015	33557.52	53 32N	30 13E	75.0	190.9	2.181	2.10	50.3	SO409	.07180	9.6727	0.6	A
9016	33566.92	52 30N	30 5E	76.2	190.8	2.181	8.75	51.2	SO409	.07180	9.5489	0.6	F
9017	33569.72	52 30N	30 5E	75.4	190.7	2.181	9.10	51.3	SO409	.07180	9.7552	0.6	V
9018	33576.12	52 14N	30 8E	77.6	190.6	2.181	13.30	51.5	SO409	.07180	9.3508	1.0	A
9019	33583.32	51 49N	29 18E	74.8	190.5	2.181	-5.60	51.8	SO409	.07180	9.7140	0.8	A
9020	33594.72	50 25N	30 33E	96.5	190.3	2.037	36.75	53.3	SO409	.05390	7.5599	0.6	F
9021	33601.92	50 24N	30 33E	97.4	190.2	1.690	37.80	53.4	SO409	.05390	7.4361	0.4	A
9022	33607.12	49 51N	30 3E	89.2	190.1	2.037	31.85	53.8	SO409	.05390	8.2449	1.2	V
9023	33610.52	49 50N	30 2E	90.4	190.1	1.826	32.20	53.8	SO409	.05390	7.9891	1.0	A
9024	33619.92	49 0N	29 28E	83.4	190.0	2.181	25.55	54.5	SO409	.07180	8.7979	0.6	V
9025	33622.92	49 1N	29 28E	84.6	189.9	2.181	25.90	54.5	SO409	.05390	8.5420	0.6	A
9026	33632.72	48 8N	29 9E	83.0	189.8	2.181	25.20	55.2	SO409	.07180	8.8391	0.8	V
9027	33635.92	48 8N	29 10E	84.5	189.7	2.181	25.90	55.2	SO409	.05390	8.5833	0.8	A
9028	33643.92	47 21N	29 8E	88.0	189.6	2.181	30.80	56.0	SO409	.05390	8.3605	0.8	V
9029	33648.12	47 5N	28 52E	84.4	189.6	2.181	26.95	56.2	SO409	.05390	8.7236	0.6	V
9030	33651.12	47 5N	28 52E	85.7	189.6	2.181	27.30	56.2	SO409	.05390	8.4595	0.8	A
9031	33667.52	45 53N	27 26E	73.5	189.4	2.530	-4.20	56.9	SO409	.07180	10.0028	0.6	V
9032	33670.32	45 52N	27 26E	74.3	189.3	2.530	-3.85	56.9	SO409	.07180	9.7717	0.6	A
9033	33678.12	45 2N	26 25E	82.1	189.2	2.181	-27.30	57.4	SO409	.05390	8.8226	0.8	F
9034	33681.32	45 1N	26 26E	80.7	189.2	2.181	-26.60	57.4	SO409	.07180	9.0867	0.4	V
9035	33686.32	44 29N	26 12E	83.7	189.2	2.181	-29.40	57.8	SO409	.05390	8.6576	1.0	F
9036	33689.72	44 27N	26 12E	82.2	189.1	2.181	-28.70	57.8	SO409	.05390	8.9217	0.6	V
9037	33693.92	44 10N	26 6E	82.7	189.1	2.181	-29.40	58.1	SO409	.05390	8.8639	1.0	V
9038	33697.12	44 9N	26 5E	83.5	189.0	2.390	-29.40	58.1	SO409	.05390	8.7153	0.8	A
9039	33713.92	42 39N	26 56E	75.0	188.9	2.530	9.80	59.7	SO409	.07180	9.8047	0.6	V
9040	33716.72	42 39N	26 56E	76.0	188.8	2.530	10.15	59.7	SO409	.07180	9.5489	0.6	A
9041	33723.92	42 1N	26 20E	73.0	188.8	2.738	-4.90	60.1	SO409	.07180	10.0688	0.6	V
9042	33726.72	42 1N	26 20E	73.8	188.7	2.738	-4.55	60.1	SO409	.07180	9.8377	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1947 9043	33865.52	32 7N	23 53E	75.2	187.7	3.092	-8.40	67.2	S0409	.07180	9.6479	1.0	F
9044	33870.92	32 7N	23 53E	75.1	187.7	3.092	-7.35	67.2	S0409	.07180	9.6644	1.2	A
1948 5001	38912.32	49 38N	7 10E	77.7	190.1	2.390	14.35	53.8	S0312	.04000	9.3682	0.6	F
5002	38917.72	49 39N	7 10E	78.1	190.0	2.181	15.40	53.8	S0312	.04000	9.3104	0.8	A
9001	38877.12	52 22N	6 42E	79.8	190.7	2.037	-24.15	51.1	S0409	.07180	9.2023	0.8	V
9002	38880.12	52 22N	6 42E	80.5	190.6	2.037	-23.80	51.1	S0409	.07180	9.0372	0.8	A
9003	38969.32	45 48N	5 29E	74.4	189.4	2.530	1.05	57.0	S0409	.07180	9.7635	1.2	F
9004	38974.72	45 48N	5 30E	74.5	189.3	2.530	2.10	57.0	S0409	.07180	9.7470	1.0	A
9005	38993.52	44 11N	4 43E	74.6	189.1	2.530	-8.75	58.3	S0409	.07180	9.7140	1.0	F
9006	38998.72	44 11N	4 44E	74.5	189.1	2.530	-7.70	58.3	S0409	.07180	9.7470	1.0	A
9007	39100.72	36 48N	3 7E	74.6	188.2	2.881	1.75	64.2	S0409	.07180	9.7305	1.4	F
9008	39106.12	36 48N	3 7E	74.8	188.1	2.881	2.80	64.2	S0409	.07180	9.6974	1.6	A
1950 5001	50504.12	17 50S	51 43W	96.6	186.8	3.439	-11.20	50.6	S0312	.03080	7.5111	0.8	V
5002	50619.32	25 30S	54 36W	134.8	187.2	3.092	-43.40	43.0	S0312	.03080	5.3485	1.0	V
5003	50675.32	29 38S	52 24W	129.0	187.5	2.037	32.90	40.6	S0312	.02210	5.5879	1.2	V
5004	50704.72	31 42S	54 34W	108.8	187.6	3.092	-11.55	38.0	S0312	.03080	6.5619	0.8	F
5005	50742.52	34 14S	55 20W	112.6	187.9	3.092	-16.10	35.5	S0312	.03080	6.3308	1.2	F
5006	50754.32	34 42S	55 57W	119.8	187.9	3.092	-26.95	34.9	S0312	.03080	6.0088	1.2	V
9001	50591.32	24 12S	51 41W	115.7	187.1	2.530	25.90	45.5	S0409	.05390	6.2147	1.0	F
9002	50607.52	24 27S	54 2W	123.6	187.2	3.439	-37.10	44.2	S0409	.05390	5.7855	1.4	A
9003	50614.52	25 31S	54 28W	132.0	187.2	2.881	-41.30	43.1	S0409	.04070	5.3894	1.8	F
9004	50627.92	26 14S	53 37W	105.5	187.3	3.232	-17.85	42.9	S0409	.05390	6.8584	1.4	V
9005	50635.92	26 20S	54 33W	128.7	187.3	3.232	-38.85	42.4	S0409	.04070	5.5627	1.4	A
9006	50654.12	28 11S	52 20W	121.3	187.4	2.181	28.70	41.9	S0409	.05390	5.9341	1.4	V
9007	50658.92	28 12S	52 30W	118.9	187.4	2.181	25.20	41.8	S0409	.05390	5.9423	1.4	A
9008	50663.32	28 48S	52 32W	119.7	187.4	2.181	26.95	41.3	S0409	.05390	6.0166	1.6	V
9009	50996.12	51 21S	58 60W	125.9	190.4	2.037	8.75	19.6	S0409	.07180	5.6122	9.2	F
9010	51009.32	51 38S	58 54W	128.8	190.6	1.826	12.60	19.4	S0409	.07180	5.4472	9.0	A
1951 5001	55493.92	3 37N	69 9W	91.9	186.5	2.881	21.00	68.1	S0312	.02210	7.8330	1.0	A
5002	55501.72	2 51N	69 20W	89.7	186.5	3.092	18.90	67.6	S0312	.03080	8.1384	0.8	V
5003	55514.32	2 16N	70 5W	84.6	186.5	3.587	-6.65	66.7	S0312	.03080	8.5346	0.8	A
5004	55531.72	0 55N	70 44W	89.3	186.5	3.439	-23.10	65.4	S0312	.03080	8.1631	1.0	V
9001	55378.32	11 12N	68 25W	80.1	186.6	3.439	-3.50	71.3	S0409	.05390	9.0372	1.0	F
9002	55387.52	10 30N	68 4W	85.1	186.6	3.232	15.75	71.5	S0409	.05390	8.5338	0.8	F
9003	55390.72	10 29N	68 4W	84.6	186.6	3.232	16.45	71.5	S0409	.05390	8.6493	0.6	V
9004	55399.92	9 42N	68 34W	80.9	186.6	3.439	1.40	70.8	S0409	.05390	8.9547	1.4	F
9005	55408.72	9 35N	69 14W	86.2	186.6	3.439	-23.45	70.2	S0409	.05390	8.3935	1.0	A
9006	55426.32	7 47N	68 14W	94.0	186.6	2.881	26.60	70.6	S0409	.05390	7.7085	0.8	F
9007	55436.52	7 23N	69 4W	80.9	186.6	3.439	-2.10	69.7	S0409	.05390	9.0372	1.2	V
9008	55444.12	7 8N	69 35W	86.0	186.6	3.587	-21.00	69.2	S0409	.05390	8.4100	1.8	A
9009	55562.92	1 7S	69 59W	94.1	186.5	2.881	20.30	64.9	S0409	.05390	7.6177	1.2	A
9010	55745.52	14 6S	72 20W	97.5	186.7	3.092	15.75	54.3	S0409	.05390	7.3949	1.4	F
9011	55775.72	15 41S	72 6W	113.9	186.8	2.181	31.85	53.2	S0409	.04070	6.2559	1.6	A
1952 5001	60221.72	42 34N	83 8W	81.3	188.9	2.530	22.05	59.8	S0312	.02210	8.9638	3.8	F
5002	60229.12	42 27N	83 10W	81.9	188.8	2.530	22.75	59.9	S0312	.02210	8.8482	3.8	A
5003	60629.52	14 39N	90 30W	86.9	186.7	3.232	-28.00	71.5	S0312	.03080	8.3035	1.4	F
5004	60635.72	14 40N	90 30W	86.6	186.7	3.439	-27.30	71.6	S0312	.03080	8.3943	1.4	A
9001	60221.72	42 33N	83 8W	81.4	188.9	2.530	22.05	59.9	S0409	.05390	8.9629	3.6	F
9002	60229.12	42 27N	83 10W	81.9	188.8	2.530	22.75	59.9	S0409	.05390	8.8474	3.6	A
9003	60354.52	33 36N	86 47W	81.8	187.8	2.530	-26.95	65.9	S0409	.04070	8.8309	2.2	F
9004	60361.32	33 33N	86 53W	83.2	187.8	2.738	-29.05	65.9	S0409	.04070	8.7484	3.2	A
9005	60590.92	17 13N	89 2W	80.9	186.8	3.232	12.25	72.7	S0409	.05390	8.9877	0.6	F
9006	60596.72	17 13N	89 2W	81.5	186.8	3.092	13.30	72.8	S0409	.05390	8.8556	0.6	A
9007	60603.72	16 22N	89 24W	78.4	186.8	3.439	3.15	72.5	S0409	.05390	9.2518	1.0	F
9008	60609.32	16 22N	89 24W	78.9	186.8	3.232	4.55	72.5	S0409	.05390	9.1610	1.0	A
1954 9001	71755.32	21 52S	138 56W	135.1	187.0	2.037	39.90	48.0	S0409	.04070	5.3316	0.4	F
9002	71765.12	21 51S	138 57W	136.8	187.0	1.690	40.60	48.0	S0409	.04070	5.1831	0.4	A
1958 9001	6461.71	12 38S	132 55E	93.4	186.7	3.232	5.60	55.5	S0409	.05390	7.7828	0.8	V
9002	6465.31	12 39S	132 54E	94.9	186.7	3.232	5.95	55.5	S0409	.05390	7.5434	1.0	A
1959 5001	11234.71	24 33N	117 39E	79.6	187.2	3.092	14.00	71.4	S0312	.03080	9.1123	1.0	A
9001	10893.31	47 39N	122 58E	74.9	189.7	2.530	1.75	55.3	S0409	.07180	9.6974	0.8	F
9002	10896.31	47 37N	122 58E	74.1	189.7	2.530	2.10	55.3	S0409	.07180	9.9285	0.6	V
9003	10898.11	47 36N	122 55E	74.1	189.7	2.530	2.10	55.4	S0409	.07180	9.9203	0.6	V
9004	10900.91	47 36N	122 55E	75.0	189.6	2.530	2.45	55.4	S0409	.07180	9.6809	0.6	A
9005	10919.31	46 3N	122 28E	73.9	189.4	2.530	2.10	56.6	S0409	.07180	9.9450	0.6	V
9006	10922.11	46 3N	122 28E	74.8	189.4	2.530	2.45	56.6	S0409	.07180	9.7057	0.6	A
9007	10974.91	41 57N	122 7E	85.4	188.8	2.530	26.60	60.3	S0409	.05390	8.5503	0.8	F
9008	10985.91	41 32N	120 51E	73.9	188.7	2.738	-9.80	60.2	S0409	.07180	9.9368	0.6	V
9009	10993.71	40 46N	121 0E	74.7	188.6	2.881	1.75	61.0	S0409	.07180	9.7305	1.2	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SUT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1959 9010	10999.11	40 46N	121 1E	74.8	188.6	2.881	2.80	61.0	S0409	.07180	9.7057	1.0	A
9011	11012.71	39 35N	121 18E	81.0	188.5	2.530	22.05	62.1	S0409	.05390	9.0867	0.8	V
9012	11018.71	38 57N	121 16E	84.8	188.4	2.738	25.55	62.7	S0409	.05390	8.5998	1.8	F
9013	11023.31	38 50N	121 17E	84.8	188.4	2.530	26.95	62.8	S0409	.07180	8.6741	0.8	V
9014	11026.31	38 51N	121 17E	86.1	188.4	2.530	27.30	62.6	S0409	.07180	8.4100	1.0	A
9015	11034.91	37 51N	120 56E	83.4	188.3	2.738	23.80	63.5	S0409	.05390	8.7401	0.8	F
9016	11037.91	37 51N	120 55E	82.6	188.3	2.530	24.15	63.5	S0409	.05390	8.9134	0.6	V
9017	11041.91	37 47N	120 55E	84.4	188.2	2.530	25.20	63.6	S0409	.05390	8.5915	0.6	A
9018	11045.91	37 5N	120 48E	85.1	188.2	2.738	25.90	64.1	S0409	.05390	8.5750	0.8	F
9019	11049.11	37 4N	120 48E	84.5	188.2	2.530	26.60	64.1	S0409	.05390	8.7071	0.6	V
9020	11052.71	37 2N	120 42E	83.5	188.2	2.530	24.15	64.1	S0409	.05390	8.6741	1.2	A
9021	11060.51	36 7N	120 19E	80.0	188.1	2.881	18.20	64.7	S0409	.07180	9.1197	1.0	F
9022	11066.11	36 8N	120 19E	80.5	188.1	2.738	19.25	64.7	S0409	.07180	8.9959	1.2	A
9023	11081.51	34 45N	119 26E	73.5	187.9	3.092	-1.75	65.4	S0409	.07180	9.8790	0.6	F
9024	11089.71	34 37N	118 56E	77.5	187.9	2.881	-18.55	65.3	S0409	.05390	9.3921	0.6	A
9025	11120.91	32 3N	118 47E	74.7	187.7	3.092	-3.50	67.2	S0409	.07180	9.7140	1.0	E
9026	11126.31	32 3N	118 47E	74.8	187.7	3.092	-2.45	67.2	S0409	.07180	9.7057	0.8	A
9027	11132.11	31 29N	118 24E	75.2	187.6	3.092	-13.65	67.4	S0409	.07180	9.7635	0.8	V
9028	11135.11	31 28N	118 23E	76.1	187.6	3.092	-13.30	67.4	S0409	.05390	9.5571	0.6	A
9029	11140.71	30 44N	117 54E	81.5	187.6	2.881	-25.90	67.6	S0409	.05390	8.8969	0.8	F
9030	11143.71	30 44N	117 54E	80.3	187.6	2.881	-25.55	67.6	S0409	.05390	9.1527	0.6	V
9031	11148.51	30 12N	117 41E	83.6	187.6	2.881	-29.05	67.9	S0409	.05390	8.6658	0.8	F
9032	11151.71	30 11N	117 42E	82.2	187.5	2.881	-28.35	67.9	S0409	.05390	8.9217	0.4	V
9033	11156.71	29 52N	117 19E	90.4	187.5	2.530	-37.10	67.9	S0409	.05390	8.1376	0.6	V
9034	11159.91	29 53N	117 20E	90.9	187.5	2.738	-36.75	67.9	S0409	.05390	8.0138	0.8	A
9035	11164.51	29 20N	117 15E	89.4	187.5	2.530	-36.05	68.2	S0409	.05390	8.2284	1.2	V
9036	11167.91	29 19N	117 15E	89.9	187.5	2.738	-35.70	68.2	S0409	.05390	8.1046	1.2	A
9037	11175.91	28 31N	117 22E	82.2	187.4	2.881	-28.00	68.8	S0409	.04070	8.9134	1.2	V
9038	11186.51	27 46N	117 24E	78.5	187.4	3.092	-21.70	69.3	S0409	.05390	9.3591	0.8	V
9039	11199.51	26 38N	117 36E	75.0	187.3	3.232	-5.60	70.1	S0409	.05390	9.6809	0.6	F
9040	11204.51	26 16N	117 45E	75.2	187.3	3.232	3.50	70.5	S0409	.05390	9.6644	0.4	F
9041	11209.31	26 20N	117 39E	75.6	187.3	3.232	-0.35	70.4	S0409	.05390	9.5902	1.4	A
9042	11220.71	25 29N	118 8E	84.9	187.2	2.738	24.85	71.2	S0409	.05390	8.5090	0.6	A
9043	11229.51	24 42N	117 45E	79.7	187.2	3.092	16.45	71.4	S0409	.05390	9.2188	0.8	V
9044	11233.31	24 39N	117 40E	79.5	187.2	3.092	14.00	71.3	S0409	.05390	9.0950	0.8	A
9045	11246.91	23 46N	116 53E	76.7	187.1	3.232	-10.50	71.2	S0409	.05390	9.4581	1.2	A
9046	11423.31	11 10N	115 2E	81.8	186.7	3.439	8.75	71.6	S0409	.05390	8.8804	1.0	F
9047	11426.51	11 8N	115 1E	81.0	186.6	3.232	9.10	71.6	S0409	.05390	9.0537	0.6	V
9048	11430.11	10 54N	114 56E	80.5	186.6	3.439	7.00	71.5	S0409	.05390	9.0950	0.8	V
9049	11440.71	10 26N	114 22E	81.4	186.6	3.587	-12.60	70.9	S0409	.05390	8.8969	1.2	A
9050	11446.91	9 58N	114 34E	80.7	186.6	3.439	-0.70	71.0	S0409	.05390	8.9547	1.2	A
9051	11484.11	7 26N	113 51E	82.7	186.6	3.587	-12.25	69.6	S0409	.05390	8.7401	1.8	A
9052	11542.51	3 13N	113 3E	84.2	186.5	3.439	-14.35	67.2	S0409	.05390	8.6823	0.8	V
9053	11545.71	3 13N	113 4E	85.1	186.5	3.439	-13.65	67.2	S0409	.05390	8.4925	1.0	A
1960 5001	16113.91	53 48N	104 8E	86.9	191.1	1.826	29.05	50.0	S0312	.03080	8.4685	0.6	V
5002	16117.11	53 49N	104 7E	88.0	191.0	1.826	29.05	50.0	S0312	.03080	8.2622	0.6	A
5003	16124.51	52 56N	103 28E	82.8	190.9	2.181	22.05	50.7	S0312	.03080	8.8070	0.4	F
5004	16127.31	52 56N	103 28E	82.1	190.8	2.181	22.40	50.7	S0312	.03080	8.9638	0.6	V
5005	16308.31	40 36N	99 28E	80.9	188.6	2.530	22.75	61.3	S0312	.03080	9.1041	0.6	V
5006	16311.31	40 36N	99 28E	82.2	188.6	2.530	23.10	61.3	S0312	.03080	8.8400	0.4	A
5007	16726.31	11 42N	92 44E	79.7	186.7	3.439	-2.45	71.5	S0312	.04000	9.0958	0.8	F
5008	16732.11	11 42N	92 44E	80.1	186.7	3.439	-1.40	71.5	S0312	.04000	9.0463	0.8	A
9001	16133.51	52 28N	103 41E	89.0	190.7	2.037	30.80	51.2	S0409	.05390	8.2614	0.8	V
9002	16136.71	52 28N	103 42E	90.5	190.7	1.826	31.50	51.2	S0409	.05390	8.0138	1.0	A
9003	16354.51	37 37N	96 50E	88.9	188.2	2.181	-38.15	62.8	S0409	.04070	8.2779	0.8	V
9004	16357.91	37 37N	96 50E	89.4	188.2	2.390	-37.80	62.8	S0409	.04070	8.1541	1.0	A
1961 5001	21930.91	19 3N	72 49E	91.9	186.9	2.738	30.45	73.1	S0312	.02210	7.9816	0.6	V
5002	21934.31	19 3N	72 50E	93.7	186.9	2.530	31.15	73.2	S0312	.02210	7.7174	0.6	A
9001	21186.71	69 38N	90 22E	79.6	199.1	1.135	-4.55	34.9	S0409	.07180	9.0867	1.0	F
9002	21192.31	69 38N	90 23E	79.5	198.8	1.135	-4.20	34.9	S0409	.07180	9.1197	1.0	A
9003	21221.11	67 31N	86 36E	90.7	197.2	0.787	-30.10	36.9	S0409	.07180	7.9478	1.6	F
9004	21227.51	67 31N	86 40E	89.4	196.9	0.995	-29.05	36.9	S0409	.07180	8.1211	2.0	A
9005	21402.51	55 4N	82 15E	83.3	191.5	2.037	22.05	48.8	S0409	.07180	8.7318	0.6	F
9006	21408.31	54 49N	82 35E	89.8	191.4	1.826	31.15	49.1	S0409	.05390	8.1954	0.8	V
9007	21411.71	54 49N	82 33E	90.8	191.3	1.826	31.15	49.1	S0409	.05390	7.9891	0.6	A
9008	21468.31	50 49N	78 32E	85.8	190.3	1.826	-30.45	52.2	S0409	.05390	8.4100	1.2	F
9009	21471.71	50 47N	78 32E	84.5	190.3	1.826	-30.10	52.2	S0409	.07180	8.6741	1.0	V
9010	21478.31	50 5N	78 53E	77.3	190.2	2.037	-16.10	53.0	S0409	.07180	9.3673	2.0	F
9011	21483.71	50 6N	78 54E	77.0	190.1	2.037	-15.40	52.9	S0409	.07180	9.4416	2.2	A
9012	21557.11	44 37N	78 4E	76.0	189.2	2.738	9.80	57.9	S0409	.07180	9.5737	0.6	F
9013	21559.91	44 36N	78 3E	75.1	189.2	2.530	10.15	57.9	S0409	.07180	9.7882	0.4	V
9014	21567.71	43 58N	77 8E	76.0	189.1	2.530	-14.35	58.2	S0409	.07180	9.5324	1.6	F
9015	21572.71	43 60N	77 12E	75.3	189.0	2.738	-11.90	58.2	S0409	.07180	9.6644	2.0	A
9016	21578.91	43 12N	76 58E	75.1	189.0	2.530	-12.95	58.8	S0409	.07180	9.6479	0.6	F
9017	21585.51	43 12N	76 24E	83.2	188.9	2.390	-29.05	58.6	S0409	.05390	8.7484	0.8	A
9018	21604.51	41 29N	76 1E	81.9	188.7	2.390	-28.35	60.0	S0409	.05390	8.8309	1.6	F
9019	21610.71	41 28N	75 59E	82.0	188.7	2.530	-28.70	60.0	S0409	.05390	8.8721	1.4	A
9020	21712.71	34 14N	74 22E	80.1	187.9	2.738	-26.95	65.4	S0409	.05390	9.1693	1.0	V
9021	21715.91	34 13N	74 21E	80.8	187.9	2.738	-26.60	65.4	S0409	.05390	9.0124	0.8	A
9022	21730.91	32 43N	74 50E	74.9	187.8	3.092	1.75	66.8	S0409	.05390	9.6974	1.0	F
9023	21736.31	32 43N	74 50E	75.1	187.7	3.092	2.80	66.8	S0409	.05390	9.6644	1.0	A
9024	21746.91	31 38N	74 27E	74.8	187.7	3.092	-3.50	67.4	S0409	.05390	9.7057	1.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY LAT DG MIN	LONG DG MIN	FRAME START SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1961 9025	21752.31	31 38N	74 27E	74.8	187.6	3.092	-2.45	67.4	SO409	.05390	9.6974	1.8	A
1962 9001	26591.91	63 14N	63 28E	77.7	194.6	1.690	1.75	41.0	SO409	.07180	9.3261	1.0	F
9002	26597.31	63 14N	63 28E	77.6	194.5	1.690	2.10	41.0	SO409	.07180	9.3426	1.2	A
9003	26661.51	58 40N	59 39E	83.6	192.6	1.484	-25.20	45.2	SO409	.07180	8.8328	1.0	F
9004	26664.71	58 39N	59 38E	82.5	192.5	1.690	-25.20	45.2	SO409	.07180	8.8969	0.8	V
9005	26671.51	58 6N	60 14E	75.7	192.4	1.826	-7.00	45.8	SO409	.07180	9.6974	0.6	V
9006	26673.31	57 59N	60 11E	75.7	192.3	1.826	-7.00	45.9	SO409	.07180	9.6974	0.6	V
9007	26676.31	57 58N	60 10E	76.5	192.2	2.037	-7.00	45.9	SO409	.07180	9.4994	0.6	A
9008	26684.71	56 55N	60 39E	79.7	192.0	2.037	15.05	47.0	SO409	.07180	9.1197	0.8	F
9009	26687.71	56 54N	60 38E	78.8	192.0	2.037	15.40	47.0	SO409	.07180	9.3178	1.0	V
9010	26690.91	56 53N	60 38E	79.9	191.9	2.037	15.75	47.0	SO409	.07180	9.0785	0.6	A
9011	26695.91	56 6N	60 44E	85.4	191.8	2.037	24.85	47.8	SO409	.07180	8.5173	0.8	F
9012	26698.91	56 6N	60 44E	84.6	191.7	2.037	25.20	47.8	SO409	.07180	8.6823	0.8	V
9013	26705.91	55 27N	60 13E	82.2	191.6	2.181	20.30	48.4	SO409	.07180	8.8556	1.0	F
9014	26710.31	55 11N	59 55E	79.9	191.5	2.181	16.45	48.6	SO409	.07180	9.1115	0.8	F
9015	26713.31	55 10N	59 55E	79.1	191.4	2.181	16.80	48.6	SO409	.07180	9.3013	0.6	V
9016	26716.11	55 11N	59 55E	80.0	191.4	2.181	16.80	48.6	SO409	.07180	9.0702	0.8	A
9017	26731.71	54 2N	58 29E	74.9	191.1	2.181	-7.70	49.5	SO409	.07180	9.8130	2.2	V
9018	26741.91	53 26N	59 6E	79.0	190.9	2.181	14.70	50.2	SO409	.07180	9.1858	1.0	A
9019	26787.31	50 4N	56 59E	75.7	190.2	2.390	-10.50	53.0	SO409	.07180	9.5737	1.4	F
9020	26792.71	50 4N	56 59E	75.6	190.1	2.390	-9.80	53.0	SO409	.07180	9.6232	1.4	A
9021	26804.31	48 43N	57 59E	88.1	189.9	2.390	29.05	54.5	SO409	.05390	8.2697	1.0	F
9022	26810.71	48 43N	57 59E	88.9	189.9	2.181	30.10	54.5	SO409	.05390	8.1541	1.0	A
9023	26877.51	43 56N	54 51E	77.3	189.1	2.390	-18.90	58.1	SO409	.07180	9.3673	1.0	F
9024	26883.11	43 55N	54 51E	77.0	189.0	2.530	-18.20	58.2	SO409	.07180	9.4416	0.8	A
9025	26933.71	40 7N	53 2E	96.1	188.5	1.826	-40.60	60.9	SO409	.03070	7.4939	1.2	F
9026	26937.11	40 7N	53 1E	94.7	188.5	2.037	-40.60	60.9	SO409	.03070	7.7497	1.4	V
1963 5001	31884.51	64 24N	40 45E	83.6	195.2	1.338	-22.75	39.8	SO312	.03080	8.6501	1.0	F
5002	31890.51	64 24N	40 46E	83.2	195.0	1.338	-22.05	39.8	SO312	.03080	8.7492	1.0	A
5003	31903.91	62 57N	41 26E	78.3	194.5	1.690	7.00	41.3	SO312	.04000	9.2609	0.8	F
5004	31909.71	62 56N	41 25E	78.4	194.3	1.690	7.35	41.3	SO312	.04000	9.2609	0.8	A
5005	31982.11	58 3N	38 52E	78.3	192.3	1.826	11.20	45.9	SO312	.04000	9.2774	0.8	A
5006	32168.31	44 60N	34 10E	78.8	189.3	2.530	16.45	57.6	SO312	.03080	9.2444	0.6	F
5007	32173.91	45 0N	34 9E	79.1	189.2	2.390	17.15	57.6	SO312	.03080	9.1619	0.8	A
9001	31844.31	67 6N	44 19E	77.9	196.9	1.338	3.85	37.3	SO409	.09620	9.4168	0.6	V
9002	31847.11	67 6N	44 18E	78.7	196.8	1.338	3.85	37.3	SO409	.07180	9.2105	1.0	A
9003	31903.11	62 60N	41 28E	78.3	194.5	1.690	7.00	41.3	SO409	.07180	9.2600	1.6	F
9004	31908.71	62 60N	41 28E	78.3	194.4	1.690	7.35	41.3	SO409	.07180	9.2600	1.6	A
9005	31923.31	61 40N	40 25E	77.2	193.9	1.690	2.10	42.5	SO409	.07180	9.3921	0.6	F
9006	31926.11	61 40N	40 24E	76.3	193.8	1.690	2.10	42.5	SO409	.07180	9.6232	0.4	V
9007	31959.51	59 14N	39 9E	76.8	192.9	1.826	3.50	44.8	SO409	.07180	9.4499	1.0	F
9008	31965.11	59 14N	39 9E	76.8	192.7	1.826	4.20	44.8	SO409	.07180	9.4416	1.0	A
9009	31975.91	58 5N	38 54E	78.3	192.4	2.037	10.85	45.9	SO409	.07180	9.2765	1.2	F
9010	31979.31	58 3N	38 53E	77.5	192.4	2.037	11.20	45.9	SO409	.07180	9.4829	0.6	V
9011	31998.51	56 41N	38 51E	84.0	191.9	1.826	24.50	47.3	SO409	.07180	8.7566	0.6	V
9012	32001.91	56 16N	38 35E	83.8	191.9	2.037	22.75	47.6	SO409	.07180	8.6741	0.6	F
9013	32004.71	56 16N	38 36E	83.0	191.8	2.037	23.10	47.6	SO409	.07180	8.8474	0.6	V
9014	32006.31	56 10N	38 33E	83.0	191.8	2.037	23.10	47.7	SO409	.07180	8.8474	0.8	V
9015	32009.51	56 9N	38 33E	84.3	191.7	1.826	23.80	47.7	SO409	.07180	8.5998	0.6	A
9016	32013.51	55 28N	38 16E	84.2	191.6	2.037	23.45	48.4	SO409	.07180	8.6411	0.8	F
9017	32016.51	55 28N	38 16E	83.4	191.6	2.037	23.80	48.4	SO409	.07180	8.8061	0.8	V
9018	32023.31	54 52N	37 39E	79.8	191.4	2.181	16.10	48.9	SO409	.07180	9.1197	1.0	A
9019	32028.91	54 52N	37 39E	79.8	191.3	2.037	16.45	48.9	SO409	.07180	9.0785	1.0	A
9020	32035.31	54 12N	37 46E	84.2	191.2	2.037	25.20	49.5	SO409	.07180	8.7236	1.4	V
9021	32046.11	53 34N	36 31E	74.6	191.0	2.181	1.05	50.0	SO409	.07180	9.8460	0.6	V
9022	32048.91	53 34N	36 31E	75.5	190.9	2.181	1.40	50.0	SO409	.07180	9.6149	0.6	A
9023	32054.91	53 0N	36 4E	74.6	190.8	2.181	-5.25	50.4	SO409	.07180	9.8460	1.4	V
9024	32058.51	52 57N	36 2E	75.4	190.8	2.181	-5.25	50.5	SO409	.07180	9.6314	0.6	A
9025	32069.31	51 46N	36 13E	77.3	190.6	2.390	10.85	51.6	SO409	.07180	9.4003	2.0	F
9026	32076.71	51 42N	35 37E	75.2	190.5	2.390	-4.20	51.6	SO409	.07180	9.6644	0.6	A
9027	32092.51	50 5N	36 17E	86.8	190.2	2.181	27.65	53.3	SO409	.05390	8.3770	1.2	F
9028	32095.91	50 4N	36 17E	86.1	190.2	2.181	28.00	53.3	SO409	.05390	8.5255	0.6	V
9029	32099.31	50 3N	36 15E	87.0	190.1	2.181	28.00	53.3	SO409	.05390	8.3027	0.6	A
9030	32111.11	48 54N	35 20E	78.2	190.0	2.390	14.35	54.2	SO409	.07180	9.3013	0.6	F
9031	32117.31	48 36N	35 50E	87.6	189.9	2.181	29.75	54.6	SO409	.05390	8.4100	1.0	V
9032	32120.51	48 36N	35 50E	88.9	189.8	2.181	30.10	54.6	SO409	.05390	8.1541	1.0	A
9033	32126.11	47 51N	35 12E	81.2	189.8	2.390	20.30	55.2	SO409	.07180	8.9629	0.6	F
9034	32128.91	47 51N	35 12E	80.5	189.7	2.390	20.65	55.2	SO409	.07180	9.1362	0.6	V
9035	32146.31	46 41N	32 37E	95.7	189.5	1.690	-39.90	55.6	SO409	.05390	7.5517	0.6	F
9036	32153.31	46 40N	32 36E	95.2	189.4	2.037	-39.90	55.6	SO409	.05390	7.6590	0.6	A
9037	32168.11	45 0N	34 10E	78.8	189.3	2.530	16.45	57.6	SO409	.07180	9.2435	0.6	F
9038	32173.91	44 60N	34 9E	79.1	189.2	2.390	17.15	57.6	SO409	.07180	9.1610	1.4	A
9039	32178.11	44 31N	34 1E	77.6	189.2	2.390	17.15	58.0	SO409	.07180	9.4746	0.6	V
9040	32179.31	44 26N	33 60E	78.2	189.1	2.390	17.15	58.1	SO409	.07180	9.3921	0.8	V
9041	32182.31	44 25N	33 60E	79.3	189.1	2.390	17.50	58.1	SO409	.07180	9.1362	0.8	A
9042	32370.31	31 14N	29 53E	76.1	187.6	2.881	-12.95	67.5	SO409	.07180	9.5159	1.0	F
9043	32375.71	31 14N	29 53E	76.0	187.6	3.092	-12.25	67.5	SO409	.07180	9.5571	1.0	A
9044	32813.31	0 33N	25 13E	98.2	186.5	2.881	26.95	66.4	SO409	.05390	7.4031	1.0	F
9045	32816.71	0 33N	25 13E	97.6	186.5	2.881	27.30	66.4	SO409	.05390	7.4856	0.8	V
9046	32820.51	0 33N	25 13E	99.7	186.5	2.530	28.35	66.4	SO409	.05390	7.1885	1.0	A
1964 9001	37344.51	54 5N	13 48E	79.5	191.2	2.037	-19.95	49.3	SO409	.09620	9.1115	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1964 9002	37347.51	54 5N	13 47E	78.5	191.1	2.037	-19.95	49.3	S0409	.09620	9.3508	0.6	V
9003	37349.71	53 56N	13 44E	78.5	191.1	2.037	-19.95	49.5	S0409	.07180	9.3508	0.6	V
9004	37352.71	53 55N	13 44E	79.2	191.0	2.037	-19.60	49.5	S0409	.07180	9.1775	0.6	A
9005	37357.71	53 12N	13 17E	81.6	190.9	1.826	-24.15	50.1	S0409	.07180	8.8556	0.6	F
9006	37360.51	53 13N	13 16E	80.7	190.9	2.037	-24.50	50.1	S0409	.07180	9.0950	0.6	V
9007	37364.71	53 10N	13 0E	85.3	190.8	2.037	-29.75	50.1	S0409	.07180	8.5338	0.4	A
9008	37368.71	52 27N	13 1E	81.7	190.7	1.826	-24.50	50.7	S0409	.07180	8.8474	1.2	F
9009	37372.11	52 25N	12 59E	80.8	190.7	2.037	-24.85	50.8	S0409	.07180	9.0867	0.8	V
9010	37377.11	52 4N	12 59E	79.0	190.6	2.037	-21.70	51.1	S0409	.07180	9.3013	0.8	V
9011	37380.11	52 4N	12 59E	79.7	190.5	2.037	-21.35	51.1	S0409	.07180	9.1280	0.6	A
9012	37386.31	51 23N	13 20E	74.4	190.4	2.181	-5.95	51.8	S0409	.07180	9.8790	0.8	V
9013	37389.31	51 22N	13 20E	75.2	190.4	2.390	-5.95	51.9	S0409	.07180	9.6644	0.6	A
9014	37394.11	50 52N	12 58E	75.0	190.3	2.181	-11.55	52.3	S0409	.07180	9.7800	0.6	V
9015	37396.91	50 52N	12 57E	75.8	190.3	2.390	-11.55	52.3	S0409	.07180	9.5819	0.6	A
9016	37403.91	50 19N	13 28E	76.2	190.2	2.390	8.40	52.9	S0409	.07180	9.5241	0.4	A
9017	37409.91	49 40N	13 44E	80.8	190.1	2.181	21.70	53.6	S0409	.07180	9.1032	0.8	V
9018	37412.91	49 39N	13 44E	81.9	190.1	2.181	22.05	53.6	S0409	.07180	8.8474	0.6	A
9019	37418.11	49 3N	13 60E	89.9	190.0	2.037	32.55	54.2	S0409	.05390	8.1706	0.6	V
9020	37421.31	49 3N	14 0E	91.3	189.9	2.037	32.90	54.2	S0409	.05390	7.9148	0.8	A
9021	38036.51	6 29N	3 24E	82.2	186.6	3.439	0.00	69.4	S0409	.07180	8.8061	0.6	F
9022	38039.71	6 27N	3 25E	81.5	186.6	3.439	1.05	69.4	S0409	.05390	8.9712	0.4	V
9023	38042.51	6 28N	3 25E	82.7	186.6	3.439	1.40	69.5	S0409	.05390	8.7236	0.8	A
1966 5001	49100.51	23 57S	46 18W	102.2	187.1	3.232	0.35	45.6	S0312	.04000	6.9911	0.6	A
9001	49002.11	17 4S	46 18W	119.1	186.8	3.439	-38.85	51.0	S0409	.04070	6.0331	1.4	A
9002	49061.91	21 44S	47 3W	117.2	187.0	3.092	-34.65	47.0	S0409	.05390	6.0826	1.6	F
9003	49067.11	21 49S	46 55W	111.3	187.0	3.092	-30.45	47.0	S0409	.05390	6.5035	0.8	V
9004	49070.11	22 1S	46 57W	111.6	187.0	3.092	-30.45	46.8	S0409	.05390	6.4870	1.6	V
9005	49076.31	22 23S	47 32W	127.5	187.1	2.881	-41.30	46.2	S0409	.04070	5.6617	1.2	V
9006	49088.91	23 23S	46 28W	100.1	187.1	3.232	-8.75	45.9	S0409	.05390	7.2298	1.2	V
9007	49092.71	23 23S	46 28W	101.5	187.1	3.439	-8.40	46.0	S0409	.05390	7.0317	1.4	A
9008	49147.11	26 49S	48 38W	136.9	187.3	3.092	-42.70	42.1	S0409	.04070	5.2243	1.8	A
1967 5001	54569.91	35 15S	71 14W	110.5	188.0	3.092	-11.20	35.0	S0312	.03080	6.5173	0.8	V
5002	54684.51	42 34S	73 37W	123.5	188.9	2.881	-20.65	27.9	S0312	.03080	5.7365	1.2	A
9001	53895.31	10 41N	61 31W	90.8	186.6	2.738	26.25	71.9	S0409	.05390	8.0551	0.6	V
9002	53898.71	10 41N	61 31W	92.3	186.6	2.738	26.60	71.9	S0409	.05390	7.7745	0.6	A
9003	53933.31	8 22N	62 43W	81.2	186.6	3.439	-4.55	70.3	S0409	.05390	8.8887	1.6	A
9004	53942.71	7 33N	63 15W	84.4	186.6	3.439	-21.00	69.5	S0409	.05390	8.6658	1.6	V
9005	54298.51	16 28S	68 16W	116.4	186.8	3.232	-38.85	51.6	S0409	.04070	6.1652	1.4	A
9006	54335.31	18 59S	68 37W	113.4	186.9	3.232	-35.00	49.4	S0409	.05390	6.3220	1.4	A
9007	54363.31	21 7S	67 10W	107.7	187.0	2.530	22.40	48.5	S0409	.05390	6.6026	1.4	A
9008	54410.11	24 10S	69 3W	104.0	187.2	3.439	-18.55	45.1	S0409	.03070	6.8749	1.6	A
9009	54425.71	26 1S	67 23W	130.4	187.2	2.181	36.40	44.3	S0409	.03070	5.4967	1.6	F
9010	54441.71	26 16S	69 43W	110.2	187.3	3.439	-24.50	43.1	S0409	.04070	6.4870	1.4	A
9011	54464.51	28 0S	67 34W	141.7	187.4	1.484	40.25	42.6	S0409	.04070	5.0015	1.4	A
9012	54489.71	30 12S	69 12W	109.5	187.5	2.738	12.95	40.0	S0409	.05390	6.5365	1.4	F
9013	54496.91	30 10S	68 43W	120.5	187.5	2.181	25.55	40.3	S0409	.05390	5.8763	1.4	A
9014	54515.91	31 32S	71 5W	118.2	187.7	3.092	-28.70	38.1	S0409	.05390	6.0991	1.4	V
9015	54542.31	33 25S	70 32W	107.8	187.8	2.881	-3.85	36.8	S0409	.05390	6.6851	0.6	V
9016	54546.31	33 25S	70 31W	109.4	187.8	3.092	-3.50	36.8	S0409	.05390	6.4870	0.8	A
9017	54642.71	39 50S	72 33W	117.4	188.5	2.881	-14.35	30.6	S0409	.05390	6.0331	1.0	A
9018	54648.11	40 12S	72 36W	117.3	188.6	2.881	-13.30	30.3	S0409	.05390	6.0414	0.8	A
9019	54656.11	41 18S	72 56W	118.2	188.6	2.738	-14.70	29.2	S0409	.05390	6.0084	0.8	F
9020	54662.11	41 25S	72 55W	116.6	188.7	2.738	-12.95	29.1	S0409	.05390	6.1569	0.8	V
9021	54666.71	41 25S	73 1W	119.0	188.7	2.738	-14.70	29.1	S0409	.05390	5.9506	0.8	A
9022	54673.11	42 25S	73 31W	122.1	188.8	2.738	-19.95	28.0	S0409	.05390	5.8103	0.8	F
9023	54679.31	42 17S	73 7W	118.6	188.9	2.881	-11.90	28.3	S0409	.05390	5.9671	1.0	A
9024	54721.31	45 8S	73 30W	119.5	189.3	2.530	-2.80	25.7	S0409	.05390	5.9011	1.2	A
1968 5001	58756.11	41 27N	79 7W	89.0	188.7	2.181	-36.75	59.8	S0312	.02210	8.2622	8.2	V
5002	59022.71	22 52N	82 45W	84.1	187.1	2.881	-27.65	71.0	S0312	.03080	8.5841	0.8	F
5003	59025.71	22 51N	82 45W	83.0	187.1	2.881	-27.30	71.0	S0312	.03080	8.8317	0.8	V
5004	59178.31	12 1N	83 40W	83.9	186.7	3.232	15.05	72.1	S0312	.03080	8.6749	0.8	F
9001	58755.91	41 27N	79 7W	89.0	188.7	2.181	-36.75	59.8	S0409	.04070	8.2614	8.2	V
9002	58829.31	36 10N	79 45W	77.6	188.1	2.738	-19.60	64.1	S0409	.05390	9.3343	2.2	F
9003	58834.91	36 10N	79 49W	78.4	188.0	2.738	-21.35	64.0	S0409	.05390	9.2848	2.2	A
9004	59020.51	23 0N	82 43W	84.1	187.1	2.881	-27.65	71.0	S0409	.05390	8.5833	1.2	F
9005	59022.71	22 51N	82 45W	84.1	187.1	2.881	-27.65	71.0	S0409	.05390	8.5833	0.6	F
9006	59025.71	22 51N	82 45W	82.9	187.1	2.881	-27.30	71.0	S0409	.05390	8.8309	0.6	V
9007	59028.71	22 51N	82 45W	83.6	187.1	3.092	-26.95	71.0	S0409	.05390	8.6988	0.6	A
9008	59036.71	21 53N	82 46W	80.9	187.0	3.092	-22.05	71.4	S0409	.07180	8.9382	1.0	F
9009	59208.31	9 58N	84 8W	83.0	186.6	3.232	11.20	71.3	S0409	.05390	8.7484	0.8	F
9010	59211.31	9 57N	84 8W	82.3	186.6	3.232	11.55	71.3	S0409	.05390	8.8969	0.8	V
1969 5001	64073.71	40 14N	100 35W	74.3	188.6	2.738	-9.80	61.1	S0312	.03080	9.7644	0.8	F
5002	64078.91	40 15N	100 35W	74.3	188.5	2.738	-9.10	61.1	S0312	.03080	9.7892	1.0	A
5003	64358.91	20 39N	105 14W	83.8	187.0	3.092	-26.60	71.5	S0312	.03080	8.6254	0.8	F
5004	64364.91	20 39N	105 14W	83.5	186.9	3.232	-25.90	71.6	S0312	.03080	8.7079	0.8	A
9001	64073.51	40 15N	100 35W	74.4	188.6	2.738	-9.80	61.1	S0409	.05390	9.7635	0.8	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1969 9002	6407R.91	40 15N	100 35W	74.3	188.5	2.738	-9.10	61.1	S0409	.05390	9.7882	1.0	A
1974 5001	4128.50	46 59N	152 3E	87.8	189.6	2.181	30.10	55.8	S0312	.04000	8.3860	0.4	V
5002	4131.70	46 60N	152 3E	89.2	189.5	2.181	30.45	55.8	S0312	.04000	8.1466	0.4	A
5003	4141.50	46 14N	150 35E	73.8	189.4	2.530	-4.55	56.1	S0312	.03080	9.9543	0.4	V
5004	4144.30	46 14N	150 35E	74.7	189.4	2.530	-4.20	56.2	S0312	.03080	9.7479	0.4	A
5005	4155.50	45 36N	149 26E	86.1	189.3	2.181	-31.85	56.4	S0312	.02210	8.4850	0.6	A
1975 5001	9384.10	50 48N	128 48E	88.1	190.3	1.690	-32.90	51.9	S0312	.02210	8.2127	1.0	F
5002	9390.50	50 48N	128 47E	87.8	190.2	2.037	-32.90	51.9	S0312	.02210	8.3035	0.8	A
5003	9397.30	50 17N	129 0E	81.0	190.1	2.181	-24.15	52.5	S0312	.03080	8.9885	0.4	A
5004	9518.90	41 34N	126 15E	85.9	188.7	2.181	-32.20	59.7	S0312	.03080	8.4108	0.4	F
5005	9521.90	41 34N	126 15E	84.6	188.7	2.181	-31.85	59.7	S0312	.03080	8.6666	0.4	V
5006	9525.50	41 20N	126 4E	87.4	188.7	2.181	-35.00	59.8	S0312	.03080	8.3860	0.4	V
5007	9528.70	41 20N	126 4E	88.2	188.6	2.390	-35.00	59.8	S0312	.03080	8.2704	0.4	A
5008	9535.10	40 26N	126 20E	78.6	188.6	2.530	-22.40	60.7	S0312	.03080	9.2031	1.4	F
5009	9556.50	38 59N	125 43E	83.9	188.4	2.390	-29.75	61.7	S0312	.03080	8.6089	0.6	F
5010	9559.50	38 59N	125 44E	82.5	188.4	2.390	-29.05	61.7	S0312	.03080	8.9060	0.4	V
5011	9570.70	38 5N	126 40E	75.3	188.3	2.881	9.80	62.9	S0312	.03080	9.7644	0.6	V
5012	9573.50	38 5N	126 39E	76.3	188.3	2.881	9.80	62.9	S0312	.03080	9.5250	0.6	A
9001	9485.70	43 51N	126 29E	95.1	189.1	1.826	-39.90	57.7	S0409	.04070	7.5764	0.8	F
9002	9490.70	43 59N	126 28E	95.8	189.0	2.037	-40.60	57.6	S0409	.04070	7.6094	0.8	A
9003	9508.70	42 27N	126 36E	82.2	188.8	2.390	-29.05	59.0	S0409	.05390	8.9382	0.6	V
9004	9511.70	42 28N	126 36E	82.9	188.8	2.390	-28.70	59.0	S0409	.05390	8.7896	0.8	A
9005	9542.70	39 56N	125 30E	95.6	188.5	1.826	-40.25	60.8	S0409	.04070	7.5352	0.8	F
9006	9549.30	39 40N	125 57E	81.2	188.5	2.390	-27.30	61.2	S0409	.05390	9.0455	0.8	V
9007	9551.70	39 30N	125 55E	81.2	188.4	2.390	-27.30	61.4	S0409	.05390	9.0455	1.6	V
9008	9556.30	38 59N	125 43E	84.0	188.4	2.390	-29.75	61.7	S0409	.05390	8.6081	0.8	F
9009	9559.50	38 58N	125 44E	82.5	188.4	2.390	-29.05	61.7	S0409	.05390	8.9052	0.4	V
9010	9569.90	38 8N	126 41E	75.3	188.3	2.881	9.80	62.9	S0409	.05390	9.7635	0.4	V
9011	9570.90	38 4N	126 40E	75.3	188.3	2.881	9.80	62.9	S0409	.05390	9.7635	0.4	V
9012	9573.50	38 4N	126 39E	76.2	188.3	2.881	9.80	62.9	S0409	.07180	9.5241	0.6	A
9013	9574.50	38 0N	126 38E	76.3	188.3	2.881	9.80	63.0	S0409	.07180	9.5159	2.8	A
9014	9581.90	37 29N	126 38E	77.7	188.2	2.738	14.00	63.4	S0409	.05390	9.3178	0.8	A
9015	9587.90	36 44N	126 11E	75.0	188.2	2.881	4.20	63.9	S0409	.07180	9.6974	1.2	F
9016	9593.30	36 44N	126 11E	75.1	188.1	2.881	4.90	63.9	S0409	.07180	9.6644	1.4	A
1976 5001	14896.90	36 54N	103 12E	80.9	188.2	2.530	-27.65	63.3	S0312	.02210	8.9390	0.4	F
5002	14909.90	36 6N	103 51E	73.1	188.1	2.881	2.45	64.3	S0312	.03080	10.0533	0.6	V
5003	14912.70	36 6N	103 51E	74.1	188.0	2.881	2.80	64.3	S0312	.03080	9.8222	0.6	A
5004	14917.50	35 45N	103 59E	74.6	188.0	2.881	10.85	64.6	S0312	.03080	9.7397	0.4	A
5005	15111.10	22 8N	100 12E	82.0	187.0	3.092	-26.25	71.2	S0312	.03080	8.8235	1.0	F
5006	15256.50	12 30N	98 38E	82.0	186.7	3.439	-17.15	71.5	S0312	.03080	8.6565	1.4	A
9001	14529.30	61 49N	113 9E	78.1	194.0	1.690	5.60	42.1	S0409	.07180	9.2931	1.0	F
9002	14534.90	61 49N	113 8E	78.0	193.8	1.690	5.95	42.1	S0409	.07180	9.3013	1.0	A
9003	14677.50	51 53N	107 44E	77.8	190.6	2.037	-16.80	51.1	S0409	.07180	9.3178	0.8	F
9004	14680.50	51 52N	107 43E	76.7	190.5	2.037	-16.45	51.1	S0409	.07180	9.5737	0.4	V
9005	14683.50	51 52N	107 40E	77.8	190.5	2.037	-17.50	51.1	S0409	.05390	9.3426	0.4	A
9006	14736.10	47 47N	107 24E	77.0	189.7	2.530	12.95	54.9	S0409	.05390	9.4581	1.2	F
9007	14741.50	47 47N	107 24E	77.2	189.7	2.530	13.65	54.9	S0409	.05390	9.4003	1.4	A
9008	14999.70	29 48N	103 29E	95.9	187.5	2.390	36.40	69.1	S0409	.04070	7.6590	0.8	V
9009	15003.30	29 48N	103 29E	97.8	187.5	2.181	37.10	69.1	S0409	.04070	7.3949	0.8	A
9010	15008.30	29 15N	103 4E	86.6	187.5	2.390	28.70	69.2	S0409	.04070	8.4843	0.4	V
9011	15011.30	29 16N	103 4E	88.0	187.5	2.390	29.05	69.2	S0409	.04070	8.2119	0.6	A
9012	15021.70	28 14N	102 4E	74.4	187.4	3.232	0.00	69.3	S0409	.07180	9.7800	0.6	F
9013	15024.70	28 12N	102 4E	73.5	187.4	3.232	0.70	69.3	S0409	.07180	10.0028	0.4	V
9014	15027.30	28 13N	102 4E	74.4	187.4	3.232	1.05	69.3	S0409	.07180	9.7552	0.4	A
9015	15056.30	26 12N	101 47E	75.4	187.3	3.092	6.30	70.4	S0409	.05390	9.6067	0.6	A
9016	15069.90	25 24N	100 37E	85.8	187.2	2.881	-32.55	70.0	S0409	.05390	8.4925	0.8	A
9017	15098.90	23 23N	100 20E	83.3	187.1	3.092	-29.05	70.8	S0409	.05390	8.7318	1.0	A
1977 5001	20484.70	17 33N	78 32E	88.3	186.8	2.881	25.55	73.1	S0312	.02210	8.2704	0.6	F
5002	20487.90	17 33N	78 32E	88.0	186.8	2.881	26.25	73.1	S0312	.03080	8.3447	0.6	V
5003	20490.90	17 20N	78 30E	88.4	186.8	2.881	26.60	73.1	S0312	.03080	8.3117	0.4	V
5004	20494.10	17 21N	78 30E	89.9	186.8	2.881	26.95	73.1	S0312	.02210	8.0476	0.6	A
5005	20594.70	10 5N	76 23E	80.4	186.6	3.587	-5.95	71.0	S0312	.04000	9.0133	0.4	F
5006	20600.50	10 5N	76 23E	80.7	186.6	3.587	-4.90	71.1	S0312	.04000	8.9720	0.4	A
5007	20618.30	8 34N	76 53E	91.0	186.6	2.881	24.85	71.2	S0312	.02210	8.0558	0.8	V
5008	20621.70	8 34N	76 53E	92.6	186.6	2.881	25.20	71.2	S0312	.02210	7.7917	0.8	A
9001	19977.50	52 35N	85 13E	86.9	190.8	1.690	-31.15	50.3	S0409	.07180	8.3274	0.8	F
9002	19981.30	52 32N	85 8E	86.7	190.7	1.690	-32.20	50.4	S0409	.07180	8.4595	1.2	V
9003	19984.70	52 31N	85 8E	87.4	190.6	1.690	-31.85	50.4	S0409	.07180	8.3274	1.0	A
9004	20355.30	26 26N	80 25E	90.0	187.3	2.738	29.75	70.8	S0409	.05390	8.1046	0.8	F
9005	20361.70	26 27N	80 25E	91.0	187.3	2.530	30.80	70.8	S0409	.05390	7.9396	1.0	A
9006	20550.50	13 1N	77 39E	88.6	186.7	3.092	23.80	72.6	S0409	.05390	8.2202	0.8	F
9007	20556.90	13 1N	77 39E	89.5	186.7	2.881	24.85	72.6	S0409	.05390	8.0551	1.0	A
1978 5001	25212.90	57 43N	65 43E	78.6	192.2	1.690	-17.85	45.8	S0312	.04000	9.3435	0.6	V
5002	25215.90	57 43N	65 42E	79.5	192.1	1.690	-17.85	45.8	S0312	.04000	9.1619	0.6	A
5003	25245.50	55 27N	65 18E	75.0	191.5	2.047	-4.55	47.9	S0312	.04000	9.7892	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1978 5004	25248.30	55 27N	65 18E	75.9	191.4	2.037	-4.20	48.0	S0312	.04000	9.5828	0.6	A
5005	25275.30	53 19N	63 39E	82.3	190.9	1.826	-25.20	49.7	S0312	.03080	8.7822	2.6	F
5006	25281.70	53 17N	63 39E	81.6	190.8	2.037	-24.15	49.8	S0312	.04000	8.9390	2.4	A
5007	25378.10	45 54N	63 41E	99.9	189.4	2.181	38.85	56.7	S0312	.03080	7.3212	0.8	F
5008	25381.70	45 59N	63 41E	99.3	189.4	2.181	39.20	56.7	S0312	.03080	7.4203	0.8	V
5009	25385.30	45 59N	63 40E	100.5	189.4	1.826	39.55	56.7	S0312	.03080	7.2139	1.0	A
9001	25154.10	61 45N	67 6E	85.8	193.8	1.338	-28.35	42.0	S0409	.07180	8.5503	0.6	V
9002	25157.30	61 44N	67 6E	86.4	193.7	1.338	-28.00	42.0	S0409	.07180	8.4017	0.8	A
9003	25220.50	57 12N	65 31E	78.2	192.0	1.690	-17.15	46.3	S0409	.07180	9.3921	0.8	V
9004	25223.50	57 11N	65 31E	78.9	192.0	1.690	-16.80	46.3	S0409	.07180	9.2105	0.8	A
9005	25294.90	51 52N	64 14E	75.7	190.6	2.181	3.50	51.2	S0409	.07180	9.5984	1.2	F
9006	25300.30	51 52N	64 14E	75.7	190.5	2.181	4.20	51.2	S0409	.07180	9.5902	1.2	A
9007	25378.10	45 59N	63 41E	99.9	189.4	2.181	38.85	56.7	S0409	.05390	7.3206	0.6	F
9008	25381.50	45 59N	63 41E	99.3	189.4	2.181	39.20	56.7	S0409	.05390	7.4196	0.8	V
9009	25385.30	45 59N	63 40E	100.4	189.4	1.826	39.55	56.7	S0409	.05390	7.2133	0.8	A
1979 5001	30469.30	61 2N	46 53E	80.3	193.5	1.690	16.80	42.9	S0312	.04000	9.1454	0.8	V
5002	30472.30	61 1N	46 53E	81.4	193.5	1.690	17.15	42.9	S0312	.04000	8.9225	0.8	A
5003	30561.10	54 54N	43 19E	75.3	191.4	2.037	4.55	48.5	S0312	.04000	9.7562	0.6	V
5004	30563.90	54 54N	43 19E	76.2	191.3	2.037	4.90	48.5	S0312	.04000	9.5333	0.6	A
5005	30609.50	51 26N	41 58E	75.5	190.5	2.390	3.50	51.6	S0312	.04000	9.6158	1.4	F
5006	30614.90	51 26N	41 58E	75.7	190.4	2.181	4.55	51.6	S0312	.04000	9.6076	1.4	A
5007	30676.30	47 8N	39 48E	76.8	189.6	2.390	-18.20	55.2	S0312	.04000	9.5581	0.4	V
5008	30679.10	47 9N	39 48E	77.6	189.5	2.390	-17.85	55.2	S0312	.03080	9.3847	0.4	A
5009	30691.30	45 51N	40 11E	75.3	189.4	2.530	5.25	56.5	S0312	.04000	9.6489	1.4	F
5010	30698.90	45 27N	40 36E	80.7	189.3	2.390	21.35	57.0	S0312	.03080	9.1041	0.6	V
5011	30717.70	44 6N	39 5E	76.0	189.1	2.530	-14.00	57.8	S0312	.04000	9.5333	0.4	F
5012	30720.30	44 7N	39 5E	75.1	189.1	2.530	-13.65	57.8	S0312	.04000	9.7727	0.4	V
5013	30729.10	43 37N	39 47E	77.9	189.0	2.530	14.35	58.5	S0312	.03080	9.3270	1.4	A
9001	30233.50	76 15N	62 45E	81.6	208.8	0.787	-1.40	27.8	S0409	.12940	8.8556	1.4	F
9002	30237.10	76 13N	62 37E	80.6	208.3	0.787	-1.75	27.8	S0409	.09620	9.0867	0.4	V
9003	30239.70	76 14N	62 41E	81.5	208.0	0.787	-1.40	27.8	S0409	.12940	8.8887	1.0	A
9004	30286.70	73 22N	54 52E	88.3	202.9	0.636	-26.25	30.8	S0409	.07180	8.2944	1.2	V
9005	30290.10	73 21N	54 51E	89.2	202.6	0.636	-26.25	30.8	S0409	.07180	8.1211	1.0	A
9006	30319.70	70 50N	53 46E	79.7	200.3	1.135	-2.45	33.4	S0409	.09620	9.0702	1.2	F
9007	30325.50	70 50N	53 45E	79.6	199.9	1.135	-2.10	33.4	S0409	.09620	9.1032	1.2	A
9008	30536.70	56 23N	43 50E	76.1	191.9	2.037	1.05	47.1	S0409	.07180	9.5324	1.4	F
9009	30542.10	56 23N	43 50E	76.1	191.7	2.037	1.75	47.1	S0409	.07180	9.5324	1.4	A
9010	30546.90	55 41N	43 37E	76.2	191.6	2.037	3.50	47.8	S0409	.07180	9.5159	0.4	F
9011	30551.50	55 43N	43 54E	77.8	191.5	2.037	10.85	47.8	S0409	.07180	9.3261	1.0	A
9012	30591.30	52 46N	41 28E	80.4	190.8	1.826	-22.05	50.2	S0409	.07180	8.9959	0.8	F
9013	30594.30	52 45N	41 28E	79.3	190.8	2.037	-22.05	50.2	S0409	.07180	9.2518	0.8	V
9014	30598.30	52 28N	41 28E	77.9	190.7	2.037	-19.25	50.5	S0409	.07180	9.4168	0.4	V
9015	30600.90	52 29N	41 29E	78.7	190.6	2.037	-18.90	50.5	S0409	.07180	9.2435	1.0	A
9016	30655.90	48 13N	41 18E	79.0	189.8	2.390	16.10	54.5	S0409	.07180	9.2105	1.2	F
9017	30661.70	48 12N	41 18E	79.3	189.8	2.390	16.80	54.6	S0409	.07180	9.1445	1.0	A
9018	30665.50	47 45N	41 9E	78.3	189.7	2.390	16.80	55.0	S0409	.07180	9.3756	1.0	V
9019	30689.90	45 56N	40 13E	75.3	189.4	2.530	5.25	56.4	S0409	.07180	9.6479	1.8	F
9020	30707.10	44 48N	39 33E	74.6	189.2	2.530	-4.90	57.3	S0409	.07180	9.7305	0.8	F
9021	30712.10	44 49N	39 33E	74.5	189.2	2.738	-4.55	57.3	S0409	.07180	9.7470	1.2	A
9022	30856.10	34 38N	36 2E	90.0	187.9	2.390	-36.05	64.7	S0409	.03070	8.0138	1.2	F
9023	30859.50	34 37N	36 1E	88.6	187.9	2.390	-35.70	64.7	S0409	.03070	8.2779	1.0	V
9024	30868.70	33 46N	36 0E	85.0	187.8	2.530	-31.85	65.4	S0409	.05390	8.4925	0.6	F
9025	30871.70	33 46N	36 0E	83.7	187.8	2.530	-31.50	65.4	S0409	.05390	8.7566	0.6	V
9026	30877.50	33 9N	36 0E	82.6	187.8	2.530	-27.65	65.8	S0409	.05390	8.7318	0.6	F
9027	30880.30	33 10N	35 60E	81.6	187.8	2.738	-27.65	65.8	S0409	.05390	8.9959	0.8	V
9028	30884.10	32 54N	35 60E	80.2	187.8	2.738	-25.90	66.0	S0409	.05390	9.1527	0.6	V
9029	30887.30	32 53N	36 0E	80.7	187.7	2.738	-25.20	66.1	S0409	.05390	9.0124	0.4	A
9030	30900.30	31 50N	35 20E	91.5	187.7	2.390	-38.15	66.5	S0409	.05390	8.0138	0.8	V
9031	30903.50	31 50N	35 20E	92.2	187.6	2.390	-37.80	66.5	S0409	.05390	7.8983	1.0	A
9032	30910.70	31 8N	34 56E	100.3	187.6	2.181	-44.10	66.7	S0409	.04070	7.3288	0.8	V
9033	30914.30	31 8N	34 56E	100.7	187.6	2.390	-43.75	66.7	S0409	.04070	7.2381	1.2	A
1980 5001	35638.50	69 55N	32 11E	84.5	199.6	1.338	18.55	34.3	S0312	.04000	8.5923	0.4	F
5002	35641.50	69 55N	32 10E	83.4	199.4	1.135	18.55	34.3	S0312	.04000	8.7904	0.4	V
5003	35653.90	69 22N	30 60E	81.1	198.6	1.135	11.55	34.8	S0312	.04000	8.9473	0.6	A
5004	35933.70	50 22N	18 41E	78.2	190.2	2.181	-18.90	52.4	S0312	.03080	9.2444	0.6	F
5005	35939.30	50 22N	18 41E	78.0	190.2	2.181	-18.20	52.4	S0312	.03080	9.3270	0.8	A
9001	35645.30	69 39N	31 59E	84.2	199.1	1.338	19.95	34.5	S0409	.07180	8.7153	0.6	V
9002	35648.30	69 40N	31 59E	85.2	199.0	1.135	20.30	34.5	S0409	.07180	8.4925	0.8	A
9003	35677.90	67 41N	30 33E	90.4	197.3	1.135	28.35	36.5	S0409	.07180	8.0221	2.2	A
9004	35797.70	59 22N	24 15E	85.4	193.0	1.826	24.15	44.5	S0409	.07180	8.5173	0.8	F
9005	35800.70	59 22N	24 15E	84.6	192.9	1.826	24.50	44.5	S0409	.07180	8.6823	0.8	V
9006	35807.90	58 57N	23 27E	78.3	192.7	1.826	13.30	44.8	S0409	.07180	9.3838	0.6	V
9007	35810.70	58 57N	23 28E	79.3	192.6	1.826	13.65	44.8	S0409	.07180	9.1445	0.8	A
9008	35829.90	57 24N	21 31E	78.0	192.2	1.826	-14.35	46.1	S0409	.07180	9.2765	2.0	F
9009	35835.30	57 25N	21 32E	77.8	192.0	2.037	-14.00	46.1	S0409	.07180	9.3426	2.2	A
9010	35842.10	56 35N	21 3E	78.8	191.9	1.826	-17.15	46.8	S0409	.07180	9.1775	1.0	F
9011	35847.70	56 36N	21 2E	78.7	191.8	2.037	-17.15	46.8	S0409	.07180	9.2353	1.0	A
9012	35862.90	54 57N	22 12E	86.3	191.5	2.037	26.25	48.6	S0409	.07180	8.4347	0.8	F
9013	35866.10	54 57N	22 10E	85.3	191.4	2.037	26.25	48.6	S0409	.07180	8.6163	0.6	V
9014	35870.90	54 39N	21 48E	81.6	191.3	2.037	21.35	48.8	S0409	.07180	8.9959	0.8	V
9015	35874.10	54 38N	21 48E	82.8	191.2	2.037	21.70	48.8	S0409	.07180	8.7484	0.6	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME		SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1980	9016	35879.30	54 6N	21 26E	79.8	191.2	2.181	18.20	49.3	S0409	.07180	9.2188	0.6	V
	9017	35882.10	54 6N	21 27E	80.9	191.1	2.181	18.55	49.3	S0409	.07180	8.9712	0.6	A
	9018	35889.90	53 14N	20 45E	77.0	191.0	2.181	9.45	50.0	S0409	.07180	9.4416	0.6	F
	9019	35892.70	53 14N	20 44E	76.1	190.9	2.181	9.45	50.0	S0409	.07180	9.6644	0.6	V
	9020	35899.50	52 33N	20 46E	79.7	190.8	2.181	16.80	50.7	S0409	.07180	9.1280	0.6	F
	9021	35902.30	52 33N	20 46E	79.0	190.7	2.181	17.15	50.7	S0409	.07180	9.3096	0.6	V
	9022	35908.30	51 60N	20 10E	76.2	190.6	2.390	6.65	51.1	S0409	.07180	9.5406	0.8	F
	9023	35911.30	51 59N	20 9E	75.3	190.6	2.181	7.00	51.1	S0409	.07180	9.7635	0.6	V
	9024	35915.30	51 43N	19 56E	74.6	190.5	2.390	3.15	51.3	S0409	.07180	9.8460	0.4	V
	9025	35917.90	51 44N	19 56E	75.5	190.5	2.390	3.50	51.3	S0409	.07180	9.6149	0.6	A
	9026	35933.50	50 23N	18 41E	78.3	190.3	2.181	-18.90	52.3	S0409	.05390	9.2435	1.2	F
	9027	35939.10	50 23N	18 41E	77.9	190.2	2.181	-18.20	52.4	S0409	.05390	9.3261	1.4	A
	9028	35948.90	49 38N	17 18E	99.2	190.0	1.690	-43.05	52.7	S0409	.05390	7.3866	0.8	V
	9029	35952.50	49 38N	17 18E	99.8	190.0	1.690	-42.70	52.7	S0409	.05390	7.2876	0.8	A
	9030	35968.50	47 51N	19 8E	79.8	189.8	2.390	17.85	54.9	S0409	.07180	9.1197	1.0	F
	9031	35974.10	47 51N	19 8E	80.1	189.7	2.390	18.55	54.9	S0409	.07180	9.0455	1.2	A
	9032	35980.10	47 13N	19 6E	81.7	189.6	2.390	22.75	55.4	S0409	.07180	8.9877	1.0	V
	9033	35983.30	47 13N	19 4E	82.5	189.6	2.181	22.75	55.4	S0409	.07180	8.7566	0.8	A
	9034	35992.90	46 28N	17 48E	74.1	189.5	2.530	-8.75	55.8	S0409	.07180	9.9120	1.4	V
	9035	35996.50	46 25N	17 47E	74.9	189.4	2.530	-8.40	55.9	S0409	.07180	9.6974	0.6	A
	9036	36007.50	45 19N	18 49E	88.3	189.3	2.181	30.80	57.2	S0409	.05390	8.3357	0.8	V
	9037	36010.90	45 18N	18 49E	89.6	189.3	2.181	31.15	57.2	S0409	.05390	8.0799	0.6	A
	9038	36033.30	43 34N	16 27E	80.9	189.0	2.390	-25.20	58.1	S0409	.07180	8.9382	0.8	F
	9039	36036.30	43 33N	16 26E	80.0	189.0	2.390	-25.20	58.1	S0409	.07180	9.1775	0.6	V
	9040	36192.50	32 52N	13 27E	91.1	187.7	2.390	-37.80	65.8	S0409	.05390	8.0468	0.6	V
	9041	36195.70	32 53N	13 27E	91.8	187.7	2.390	-37.45	65.8	S0409	.05390	7.9313	0.8	A
	9042	36279.50	26 35N	13 11E	75.4	187.3	3.232	-3.85	70.0	S0409	.04070	9.6232	0.6	F
	9043	36284.90	26 35N	13 10E	75.4	187.3	3.232	-3.15	70.0	S0409	.04070	9.6067	0.8	A
1981	9001	41249.50	49 44N	1 53W	87.1	190.1	2.037	29.40	53.3	S0409	.05390	8.4265	0.8	V
	9002	41252.70	49 44N	1 52W	88.5	190.1	2.037	29.75	53.3	S0409	.05390	8.1789	1.2	A
1982	9001	47355.10	5 7S	36 35W	88.1	186.5	3.439	4.90	62.1	S0409	.05390	8.2697	1.4	V
1983	5001	52971.90	26 32S	63 40W	111.8	187.3	3.092	-25.55	43.1	S0312	.03080	6.3885	1.4	F
	5002	53220.10	43 15S	65 3W	136.8	188.9	1.690	31.15	28.4	S0312	.03080	5.1587	1.6	V
	5003	53373.10	53 8S	70 54W	128.4	190.9	2.390	-16.80	18.1	S0312	.05370	5.5879	0.8	V
	5004	53377.90	53 8S	70 54W	130.2	191.0	2.390	-16.45	18.1	S0312	.05370	5.4476	1.0	A
	9001	52844.90	17 46S	60 44W	98.6	186.8	3.092	11.55	51.6	S0409	.05390	7.3453	1.4	V
	9002	52903.30	21 11S	63 24W	132.8	187.0	3.232	-44.10	47.5	S0409	.04070	5.4141	1.6	A
	9003	52912.50	21 57S	62 49W	110.2	187.0	3.439	-28.00	47.2	S0409	.05390	6.5035	1.0	A
	9004	52945.70	24 32S	62 54W	103.2	187.2	3.232	-16.10	45.1	S0409	.05390	7.0070	1.2	V
	9005	52962.90	25 44S	62 49W	101.6	187.2	3.232	-8.30	44.2	S0409	.05390	7.1060	1.4	V
	9006	52985.10	27 36S	62 25W	110.0	187.3	2.738	16.10	42.8	S0409	.05390	6.5200	1.4	F
	9007	52997.10	28 4S	63 12W	103.4	187.4	3.092	-3.50	42.1	S0409	.05390	6.9822	1.4	V
	9008	53005.90	28 16S	64 11W	116.4	187.4	3.232	-28.35	41.5	S0409	.05390	6.1404	1.4	A
	9009	53015.70	29 20S	63 25W	104.4	187.5	3.092	-1.75	40.9	S0409	.05390	6.9162	1.4	V
	9010	53017.90	29 29S	63 27W	104.5	187.5	3.092	-1.75	40.8	S0409	.05390	6.8997	1.4	V
	9011	53031.50	30 19S	64 22W	110.9	187.6	3.092	-21.70	39.7	S0409	.05390	6.5035	1.4	V
	9012	53039.30	31 9S	64 10W	108.0	187.6	3.092	-12.25	39.1	S0409	.05390	6.6026	1.4	F
	9013	53043.30	31 25S	64 16W	108.6	187.6	3.092	-13.30	38.8	S0409	.05390	6.5696	0.6	F
	9014	53050.70	31 23S	64 16W	108.9	187.7	3.232	-12.60	38.9	S0409	.05390	6.5283	1.6	A
	9015	53058.90	32 12S	64 26W	108.0	187.7	3.092	-12.60	38.1	S0409	.05390	6.6686	0.8	V
	9016	53062.90	32 12S	64 26W	109.5	187.7	3.092	-12.25	38.1	S0409	.05390	6.4870	0.8	A
	9017	53074.90	33 29S	62 57W	129.0	187.8	2.037	30.80	37.6	S0409	.05390	5.5709	1.2	V
	9018	53080.70	33 32S	62 50W	135.3	187.8	1.826	33.60	37.6	S0409	.04070	5.2161	1.2	A
	9019	53164.50	39 0S	66 11W	116.3	188.4	2.881	-14.00	31.7	S0409	.05390	6.0909	1.2	A
	9020	53229.70	43 51S	65 39W	129.4	189.0	1.826	23.80	27.7	S0409	.05390	5.5379	1.2	V
	9021	53261.90	45 52S	67 32W	118.1	189.4	2.530	-2.10	25.4	S0409	.07180	6.0661	1.0	V
	9022	53266.70	46 30S	67 33W	119.9	189.4	2.530	1.05	24.8	S0409	.07180	5.9176	1.0	F
	9023	53278.30	46 30S	68 57W	130.3	189.5	2.738	-24.85	24.3	S0409	.05390	5.4306	1.2	A
	9024	53343.50	51 36S	69 12W	122.7	190.4	2.181	1.40	19.9	S0409	.07180	5.7690	1.4	F
	9025	53347.90	51 36S	69 12W	123.1	190.5	2.181	1.75	19.9	S0409	.07180	5.8020	0.8	V
	9026	53352.70	51 37S	69 12W	123.6	190.6	2.181	2.10	19.9	S0409	.07180	5.6947	0.8	A
	9027	53358.70	52 32S	70 18W	126.4	190.7	2.181	-11.20	18.8	S0409	.07180	5.5875	1.6	F
	9028	53365.70	52 58S	70 50W	129.5	190.8	2.181	-16.80	18.3	S0409	.07180	5.4554	1.2	F
	9029	53370.50	52 58S	70 50W	128.2	190.9	2.390	-16.80	18.3	S0409	.07180	5.5709	1.2	V
	9030	53372.10	53 5S	70 53W	127.8	190.9	2.390	-16.80	18.2	S0409	.07180	5.5875	1.6	V
	9031	53376.90	53 4S	70 53W	129.5	191.0	2.390	-16.45	18.2	S0409	.07180	5.4472	1.4	A
1984	5001	57917.50	2 8S	79 52W	93.3	186.5	3.092	19.25	64.6	S0312	.02210	7.7669	0.8	F
	5002	57920.70	2 7S	79 52W	92.7	186.5	2.881	19.95	64.7	S0312	.03080	7.8742	1.2	V
	5003	57924.70	2 9S	79 53W	94.4	186.5	2.881	20.30	64.6	S0312	.02210	7.6101	0.8	A
	9001	57580.10	21 14N	76 37W	78.9	187.0	3.232	-17.15	71.6	S0409	.05390	9.1693	0.8	F
	9002	57587.70	20 51N	76 12W	76.3	187.0	3.232	3.50	72.1	S0409	.05390	9.6232	0.8	V
	9003	57594.90	20 5N	75 50W	85.7	186.9	2.881	23.10	72.7	S0409	.07180	8.5090	1.0	F
	9004	57598.50	20 2N	75 49W	85.6	186.9	2.881	24.15	72.8	S0409	.07180	8.5750	1.2	V
	9005	57602.30	19 60N	75 49W	87.5	186.9	2.881	25.20	72.8	S0409	.05390	8.2532	0.4	A
	9006	57764.10	8 27N	78 8W	86.0	186.6	3.232	16.45	71.0	S0409	.05390	8.4512	0.8	F
	9007	57767.30	8 26N	78 8W	85.4	186.6	3.232	16.80	71.0	S0409	.05390	8.5750	0.8	V
1985	5001	62620.70	39 22N	94 43W	73.3	188.4	2.738	-11.55	61.5	S0312	.03080	9.8882	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1985 5002	62626.10	39 21N	94 42W	73.2	188.4	2.738	-10.50	61.5	SO312	.03080	9.9377	0.8	A
5003	62794.50	27 35N	97 17W	74.8	187.3	3.092	-9.10	69.4	SO312	.02210	9.8057	8.2	V
9001	62620.70	39 21N	94 43W	73.4	188.4	2.738	-11.55	61.5	SO409	.05390	9.8873	0.8	F
9002	62625.90	39 21N	94 42W	73.2	188.4	2.738	-10.50	61.5	SO409	.05390	9.9368	1.0	A
9003	62794.29	27 35N	97 17W	74.8	187.3	3.092	-9.10	69.4	SO409	.05390	9.8047	8.4	V
1990 5001	2561.89	52 54W	158 41E	77.0	190.9	2.037	-12.95	50.0	SO312	.05370	9.4095	0.4	F
5002	2567.49	52 54N	158 43E	76.7	190.8	2.037	-11.55	50.0	SO312	.05370	9.4838	0.4	A
9001	2485.09	57 57N	162 4E	81.1	192.4	2.037	16.80	45.5	SO409	.05390	8.9547	0.6	F
9002	2490.89	57 57N	162 3E	81.3	192.3	1.826	17.50	45.5	SO409	.05390	8.9299	0.6	A
9003	2494.69	57 29N	161 59E	81.8	192.2	1.826	20.65	46.0	SO409	.05390	8.9877	0.6	V
9004	2497.69	57 29N	161 59E	82.9	192.1	1.826	21.00	46.0	SO409	.05390	8.7484	0.6	A
9005	2501.89	56 50N	161 28E	80.2	192.0	2.037	15.75	46.6	SO409	.05390	9.0620	0.6	F
9006	2507.69	56 50N	161 28E	80.5	191.9	1.826	16.80	46.6	SO409	.05390	9.0124	0.6	A
9007	2513.49	56 18N	160 40E	75.6	191.8	2.037	3.15	47.0	SO409	.05390	9.7140	0.4	V
9008	2516.29	56 18N	160 40E	76.5	191.7	2.037	3.50	47.0	SO409	.05390	9.4911	0.4	A
9009	2559.29	53 5N	158 44E	77.1	190.9	2.037	-13.30	49.8	SO409	.07180	9.3921	0.4	F
9010	2561.89	52 54N	158 41E	77.0	190.9	2.037	-12.95	50.0	SO409	.09620	9.4086	0.4	F
9011	2565.69	53 1N	158 45E	76.6	190.8	2.037	-11.55	49.9	SO409	.07180	9.4829	0.6	A
9012	2567.49	52 53N	158 43E	76.6	190.8	2.037	-11.55	50.0	SO409	.09620	9.4829	0.4	A
1991 9001	7901.89	50 43N	136 53E	79.9	190.4	2.390	17.15	52.1	SO409	.07180	9.1032	0.6	F
9002	7908.49	50 24N	137 20E	88.7	190.3	2.181	30.45	52.5	SO409	.05390	8.3027	0.4	V
9003	7911.69	50 24N	137 20E	90.0	190.2	1.826	31.15	52.5	SO409	.05390	8.0551	0.4	A
9004	7936.29	48 30N	135 7E	76.0	189.9	2.390	-11.90	53.9	SO409	.09620	9.5406	2.0	F
9005	7941.89	48 29N	135 7E	75.8	189.8	2.390	-11.20	53.9	SO409	.09620	9.5902	1.8	A
9006	7994.89	44 31N	133 29E	81.0	189.2	2.181	-25.20	57.1	SO409	.05390	8.9217	0.6	F
9007	8000.69	44 31N	133 29E	80.6	189.1	2.390	-24.85	57.1	SO409	.05390	9.0290	0.6	A
9008	8010.89	43 28N	132 28E	98.4	189.0	1.690	-42.00	57.7	SO409	.04070	7.3288	0.4	F
9009	8014.29	43 28N	132 28E	96.7	189.0	1.690	-41.65	57.7	SO409	.04070	7.5847	0.4	V
9010	8021.49	42 55N	132 47E	85.3	188.9	2.181	-32.20	58.3	SO409	.07180	8.5915	0.4	V
9011	8024.49	42 56N	132 47E	86.1	188.9	2.390	-32.20	58.3	SO409	.07180	8.4595	0.4	A
9012	8186.69	31 17N	131 5E	74.9	187.6	3.092	1.75	67.4	SO409	.07180	9.6974	0.8	F
9013	8192.09	31 17N	131 5E	75.1	187.6	3.092	2.45	67.4	SO409	.07180	9.6644	0.8	A
1992 5001	13453.69	34 14N	109 7E	76.7	187.9	2.881	-17.15	65.1	SO312	.03080	9.4343	0.4	F
5002	13459.09	34 15N	109 8E	76.5	187.9	2.881	-16.10	65.1	SO312	.03080	9.5085	0.4	A
9001	13191.49	52 14N	113 30E	85.3	190.7	1.690	-29.75	50.4	SO409	.05390	8.4678	0.6	F
9002	13192.69	52 9N	113 28E	85.4	190.7	1.690	-29.75	50.5	SO409	.05390	8.4678	0.4	F
9003	13194.09	52 4N	113 26E	85.3	190.6	1.690	-29.75	50.6	SO409	.05390	8.4678	0.2	F
9004	13198.49	51 56N	113 39E	80.2	190.6	2.037	-24.15	50.7	SO409	.07180	9.1610	0.4	V
9005	13201.29	51 45N	113 33E	80.5	190.5	2.037	-24.85	50.9	SO409	.07180	9.1197	0.4	V
9006	13204.29	51 45N	113 33E	81.2	190.5	2.037	-24.50	50.9	SO409	.07180	8.9629	0.4	A
9007	13205.69	51 39N	113 31E	81.2	190.4	2.037	-24.50	51.0	SO409	.07180	8.9629	0.4	A
9008	13360.49	40 41N	109 59E	89.1	188.6	2.037	-35.70	60.1	SO409	.04070	8.1046	0.6	F
9009	13363.49	40 41N	109 59E	87.7	188.6	2.037	-35.35	60.1	SO409	.04070	8.3770	0.6	V
9010	13377.29	39 23N	111 11E	76.8	188.5	2.881	12.60	61.7	SO409	.07180	9.4829	0.4	F
9011	13379.89	39 24N	111 11E	76.0	188.4	2.881	12.95	61.7	SO409	.07180	9.6809	0.4	V
9012	13386.89	38 51N	111 37E	87.0	188.4	2.390	30.45	62.3	SO409	.05390	8.4430	0.4	V
9013	13390.09	38 51N	111 37E	88.4	188.4	2.390	30.80	62.3	SO409	.05390	8.1789	0.4	A
9014	13453.69	34 14N	109 7E	76.8	187.9	2.881	-17.15	65.1	SO409	.05390	9.4334	0.4	F
9015	13459.09	34 14N	109 7E	76.4	187.9	2.881	-16.10	65.1	SO409	.07180	9.5076	0.4	A
9016	13489.69	31 59N	108 11E	83.9	187.7	2.530	-31.15	66.4	SO409	.05390	8.7318	0.8	V
9017	13492.69	31 60N	108 11E	84.8	187.7	2.738	-31.15	66.4	SO409	.05390	8.5915	1.0	A
9018	13569.29	26 16N	107 25E	77.6	187.3	3.092	-18.55	69.8	SO409	.05390	9.3343	0.4	F
9019	13574.69	26 16N	107 32E	76.2	187.3	3.232	-12.95	69.9	SO409	.05390	9.5241	0.4	A
9020	13582.69	25 43N	107 29E	75.6	187.2	3.232	-10.85	70.2	SO409	.05390	9.5984	0.4	A
9021	13591.69	24 52N	107 35E	74.6	187.2	3.232	0.35	70.7	SO409	.07180	9.8460	0.4	V
9022	13594.49	24 52N	107 35E	75.5	187.2	3.232	0.70	70.7	SO409	.05390	9.5984	0.4	A
9023	13615.09	23 20N	106 35E	82.1	187.1	2.881	-26.95	70.7	SO409	.05390	8.9217	0.4	V
9024	13627.29	22 24N	107 17E	76.7	187.1	3.232	7.70	71.8	SO409	.05390	9.5737	0.6	V
9025	13635.69	21 52N	106 46E	75.9	187.0	3.232	-9.45	71.6	SO409	.05390	9.6727	0.6	V
9026	13638.49	21 52N	106 46E	76.8	187.0	3.232	-9.10	71.6	SO409	.05390	9.4499	0.6	A
9027	13789.89	11 8N	105 47E	93.2	186.6	2.738	29.05	72.4	SO409	.04070	7.8488	0.6	V
9028	13793.49	11 7N	105 47E	94.9	186.6	2.738	29.40	72.4	SO409	.04070	7.5764	0.6	A
1993 5001	18658.09	41 25N	88 20E	82.0	188.7	2.390	-28.70	59.6	SO312	.02210	8.8152	0.4	F
5002	18663.89	41 26N	88 20E	81.5	188.6	2.530	-28.00	59.6	SO312	.02210	8.9308	0.6	A
9001	18330.89	63 48N	97 34E	78.1	194.8	1.484	-11.55	39.9	SO409	.07180	9.3838	0.6	V
9002	18333.69	63 48N	97 34E	79.0	194.7	1.484	-11.55	39.9	SO409	.07180	9.1858	0.6	A
9003	18372.49	60 50N	97 27E	83.0	193.5	1.690	21.35	42.8	SO409	.07180	8.8391	0.6	V
9004	18375.49	60 50N	97 28E	84.2	193.4	1.690	21.70	42.8	SO409	.07180	8.6081	0.6	A
9005	18440.29	56 9N	94 30E	77.7	191.8	2.037	9.45	47.1	SO409	.07180	9.3508	0.8	F
9006	18445.89	56 9N	94 31E	77.8	191.7	2.037	10.15	47.1	SO409	.07180	9.3261	0.8	A
9007	18657.69	41 27N	88 20E	82.1	188.7	2.390	-28.70	59.5	SO409	.05390	8.8144	1.2	F
9008	18663.49	41 27N	88 20E	81.4	188.7	2.530	-28.00	59.6	SO409	.05390	8.9299	1.2	A
1994 5001	23551.09	69 14N	81 29E	82.2	198.9	1.338	13.65	34.7	SO312	.04000	8.8070	0.4	F
5002	23557.09	69 14N	81 29E	82.4	198.5	1.135	14.35	34.7	SO312	.04000	8.8070	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1994 9001	23551.09	69 14N	81 29E	82.3	198.9	1.338	13.65	34.7	S0409	.07180	8.8061	0.4	F
9002	23556.89	69 14N	81 30E	82.3	198.5	1.135	14.35	34.7	S0409	.07180	8.8061	0.4	A
9003	23762.49	54 55N	73 33E	105.7	191.5	1.826	41.65	48.5	S0409	.05390	6.9079	0.8	F
9004	23769.89	54 56N	73 24E	102.5	191.4	1.484	40.25	48.4	S0409	.05390	7.0730	0.8	A
9005	23872.09	47 52N	67 48E	86.6	189.7	1.826	-31.85	54.2	S0409	.05390	8.3357	2.0	F
9006	23878.69	47 50N	67 45E	87.0	189.6	2.037	-32.55	54.2	S0409	.05390	8.3770	1.8	A
9007	23984.89	40 8N	65 21E	96.9	188.5	1.826	-41.30	60.3	S0409	.04070	7.4361	1.0	F
9008	23988.29	40 9N	65 21E	95.4	188.5	2.037	-41.30	60.3	S0409	.04070	7.6920	1.0	V
9009	23995.29	39 37N	65 43E	82.9	188.4	2.390	-29.75	61.0	S0409	.05390	8.8639	0.6	V
9010	23998.49	39 36N	65 42E	83.5	188.4	2.390	-29.40	61.0	S0409	.05390	8.7236	0.4	A
1995 9001	29014.29	59 6N	49 52E	86.7	192.7	1.338	-29.05	44.1	S0409	.07180	8.3357	0.4	F
9002	29017.29	59 6N	49 52E	85.3	192.7	1.338	-28.70	44.1	S0409	.07180	8.5998	0.6	V
9003	29024.49	58 34N	49 60E	80.6	192.5	1.690	-22.05	44.7	S0409	.07180	9.1032	0.6	V
9004	29027.49	58 34N	50 0E	81.4	192.4	1.690	-21.70	44.7	S0409	.07180	8.9382	0.4	A
9005	29046.69	56 54N	48 49E	87.8	192.0	1.484	-31.15	46.1	S0409	.07180	8.2202	0.4	F
9006	29050.49	56 51N	48 47E	86.7	191.9	1.484	-31.15	46.2	S0409	.07180	8.4430	0.6	V
9007	29053.69	56 52N	48 46E	87.8	191.8	1.690	-31.50	46.2	S0409	.07180	8.2862	0.6	A
9008	29059.89	55 60N	48 36E	85.3	191.7	1.484	-28.35	47.0	S0409	.07180	8.4595	0.4	F
9009	29062.09	55 51N	48 32E	85.4	191.7	1.484	-28.35	47.1	S0409	.07180	8.4595	0.4	F
9010	29065.89	56 0N	48 36E	84.8	191.6	1.690	-28.00	47.0	S0409	.07180	8.5750	0.4	A
9011	29068.29	55 51N	48 31E	85.1	191.5	1.690	-28.35	47.1	S0409	.09620	8.5420	0.4	A
9012	29082.69	54 25N	48 20E	80.2	191.2	1.826	-21.00	48.5	S0409	.07180	9.0207	0.6	F
9013	29085.49	54 26N	48 20E	79.0	191.2	1.826	-20.65	48.5	S0409	.07180	9.2848	0.6	V
9014	29089.49	54 20N	48 25E	78.6	191.1	2.037	-17.85	48.6	S0409	.07180	9.2435	0.6	A
9015	29091.09	54 14N	48 23E	78.6	191.1	2.037	-17.85	48.7	S0409	.07180	9.2518	1.4	A
9016	29103.49	53 4N	49 4E	76.8	190.9	2.181	11.55	49.9	S0409	.07180	9.5654	0.6	V
9017	29116.49	52 8N	47 15E	83.4	190.7	1.826	-26.95	50.5	S0409	.07180	8.6658	2.0	F
9018	29122.49	52 8N	47 15E	83.0	190.6	2.037	-26.60	50.5	S0409	.07180	8.7731	2.0	A
9019	29169.09	48 27N	47 11E	75.4	189.9	2.530	4.20	54.0	S0409	.07180	9.6314	0.6	F
9020	29174.49	48 27N	47 10E	75.5	189.8	2.390	4.90	54.0	S0409	.07180	9.6149	0.6	A
9021	29183.09	47 26N	47 16E	79.1	189.7	2.530	16.10	54.9	S0409	.07180	9.2105	0.8	F
9022	29188.69	47 27N	47 16E	79.5	189.6	2.390	17.15	54.9	S0409	.07180	9.1197	1.0	A
9023	29246.89	43 12N	44 51E	78.1	189.0	2.390	-20.30	58.2	S0409	.04070	9.2765	0.6	F
9024	29249.89	43 11N	44 51E	76.8	188.9	2.390	-19.60	58.2	S0409	.04070	9.5571	0.4	V
9025	29252.49	43 12N	44 51E	77.8	188.9	2.390	-19.60	58.2	S0409	.04070	9.3591	0.6	A
9026	29254.69	43 3N	44 48E	77.6	188.9	2.390	-19.60	58.3	S0409	.05390	9.3756	0.8	A
9027	29267.49	41 45N	44 58E	74.1	188.8	2.738	-3.85	59.5	S0409	.07180	9.7965	0.8	F
9028	29271.09	41 41N	44 53E	73.5	188.7	2.738	-5.60	59.6	S0409	.04070	9.9946	0.6	V
9029	29273.89	41 41N	44 53E	74.3	188.7	2.738	-5.25	59.6	S0409	.04070	9.7717	0.6	A
9030	29281.69	40 60N	44 25E	74.8	188.6	2.530	-15.75	60.0	S0409	.07180	9.8212	0.6	V
9031	29284.49	40 60N	44 24E	75.6	188.6	2.738	-15.75	60.0	S0409	.07180	9.6314	0.6	A
9032	29394.69	33 18N	44 14E	100.3	187.8	2.037	39.20	66.6	S0409	.03070	7.1968	1.0	A
9033	29741.49	9 5N	38 30E	81.0	186.6	3.439	7.70	71.1	S0409	.05390	8.9629	0.8	F
9034	29744.49	9 4N	38 30E	80.2	186.6	3.232	8.05	71.1	S0409	.05390	9.1280	0.6	V
9035	30269.29	26 30S	31 20E	106.1	187.3	3.232	-15.75	43.5	S0409	.05390	6.7181	1.0	A
1996 5001	34180.49	68 32N	33 17E	92.3	198.0	0.787	-31.85	35.2	S0312	.03080	7.8082	0.4	F
5002	34187.09	68 32N	33 17E	92.0	197.6	0.995	-31.85	35.2	S0312	.03080	7.8908	0.4	A
5003	34399.09	53 37N	27 15E	78.2	191.1	2.181	12.95	49.4	S0312	.04000	9.2939	0.4	F
5004	34401.89	53 37N	27 15E	77.4	191.0	2.181	13.30	49.4	S0312	.04000	9.4920	0.4	V
5005	34475.29	48 32N	24 36E	75.4	189.9	2.390	-10.85	53.7	S0312	.04000	9.6076	0.4	F
5006	34480.69	48 32N	24 36E	75.3	189.8	2.390	-9.80	53.8	S0312	.04000	9.6654	0.4	A
9001	34180.29	68 32N	33 17E	92.3	198.0	0.787	-31.85	35.2	S0409	.05390	7.8075	0.4	F
9002	34186.89	68 32N	33 17E	92.0	197.6	0.995	-31.85	35.2	S0409	.05390	7.8908	0.4	A
9003	34206.89	66 33N	34 7E	78.7	196.7	1.484	3.85	37.2	S0409	.09620	9.2023	0.8	F
9004	34212.49	66 33N	34 8E	78.7	196.4	1.484	4.55	37.2	S0409	.09620	9.2105	0.8	A
9005	34219.49	65 60N	34 41E	84.6	196.1	1.338	21.00	37.8	S0409	.07180	8.5585	0.4	A
9006	34306.49	60 1N	30 33E	81.4	193.1	1.826	19.25	43.5	S0409	.07180	9.0290	0.6	V
9007	34309.49	60 1N	30 32E	82.3	193.0	1.826	19.25	43.5	S0409	.07180	8.8144	0.6	A
9008	34374.49	55 38N	26 35E	80.7	191.5	1.826	-23.45	47.3	S0409	.07180	9.0867	0.6	V
9009	34381.09	54 58N	26 37E	78.3	191.4	2.037	-16.80	48.0	S0409	.07180	9.2518	0.6	F
9010	34386.09	54 38N	26 24E	79.2	191.3	2.037	-19.25	48.3	S0409	.07180	9.1362	0.6	F
9011	34388.89	54 38N	26 23E	78.3	191.3	2.037	-19.25	48.3	S0409	.07180	9.3756	0.6	V
9012	34399.09	53 37N	27 15E	78.2	191.1	2.181	12.95	49.4	S0409	.07180	9.2931	0.4	F
9013	34401.69	53 37N	27 15E	77.4	191.0	2.181	13.30	49.4	S0409	.07180	9.4911	0.6	V
9014	34404.69	53 37N	27 14E	78.3	191.0	2.181	13.30	49.4	S0409	.07180	9.2683	0.6	A
9015	34411.89	53 5N	27 36E	86.1	190.8	2.037	26.60	50.0	S0409	.07180	8.4100	0.6	A
9016	34423.69	52 12N	26 4E	74.4	190.6	2.181	-3.85	50.6	S0409	.07180	9.8708	0.4	V
9017	34427.29	52 9N	25 59E	75.4	190.6	2.181	-5.25	50.6	S0409	.07180	9.6397	0.4	A
9018	34433.29	51 21N	25 54E	75.2	190.5	2.390	-0.35	51.3	S0409	.07180	9.6562	0.6	F
9019	34443.89	50 57N	24 27E	87.3	190.3	1.826	-33.25	51.4	S0409	.07180	8.4265	0.6	V
9020	34447.09	50 57N	24 27E	88.1	190.3	2.037	-33.25	51.4	S0409	.05390	8.2614	0.6	A
9021	34452.29	50 22N	24 15E	87.4	190.2	1.826	-33.60	51.9	S0409	.05390	8.4100	0.4	V
9022	34455.49	50 22N	24 16E	87.9	190.2	2.037	-33.25	51.9	S0409	.05390	8.2779	0.4	A
9023	34468.89	48 58N	24 44E	75.6	190.0	2.390	-10.85	53.4	S0409	.07180	9.5902	0.6	F
9024	34471.69	48 57N	24 44E	74.6	189.9	2.390	-10.50	53.4	S0409	.07180	9.8460	0.8	V
9025	34475.29	48 31N	24 36E	75.5	189.9	2.390	-10.85	53.8	S0409	.07180	9.6067	0.4	F
9026	34480.69	48 31N	24 36E	75.2	189.8	2.390	-9.80	53.8	S0409	.07180	9.6644	0.4	A
9027	34501.69	46 46N	23 31E	81.5	189.5	2.181	-25.90	55.1	S0409	.07180	8.8639	0.6	F
9028	34504.49	46 46N	23 31E	80.3	189.5	2.181	-25.55	55.1	S0409	.07180	9.1280	0.6	V
9029	34517.49	45 43N	24 43E	79.3	189.3	2.390	19.60	56.4	S0409	.07180	9.2600	0.6	V
9030	34520.29	45 43N	24 43E	80.4	189.3	2.390	19.95	56.4	S0409	.07180	9.0042	0.6	A
9031	34527.29	44 59N	24 59E	89.5	189.2	2.181	32.20	57.2	S0409	.05390	8.2202	1.0	V
9032	34531.69	44 55N	24 53E	88.9	189.2	2.181	30.45	57.2	S0409	.05390	8.1541	2.2	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
1996 9033	34540.69	44 0N	24 26E	83.0	189.1	2.390	24.85	57.9	SO409	.05390	8.8474	0.8	V
9034	34543.69	44 7N	24 26E	84.3	189.1	2.390	25.20	57.9	SO409	.05390	8.5915	1.0	A
9035	34552.69	43 17N	24 9E	82.3	189.0	2.390	23.80	58.5	SO409	.05390	8.9299	0.6	V
9036	34560.89	42 47N	23 36E	75.7	188.9	2.530	11.90	58.8	SO409	.07180	9.7222	0.4	V
9037	34563.69	42 47N	23 36E	76.8	188.9	2.530	12.60	58.9	SO409	.07180	9.4416	0.4	A
9038	34566.89	42 21N	23 33E	76.5	188.8	2.530	14.35	59.2	SO409	.07180	9.6149	0.6	V
9039	34569.69	42 22N	23 33E	77.5	188.8	2.530	14.70	59.2	SO409	.07180	9.3591	0.6	A
9040	34573.49	41 54N	23 29E	77.3	188.8	2.530	16.10	59.6	SO409	.07180	9.5159	0.6	V
9041	34576.29	41 54N	23 29E	78.3	188.7	2.530	16.45	59.6	SO409	.07180	9.2518	0.6	A
9042	34712.69	32 13N	20 41E	74.7	187.7	3.092	0.00	66.7	SO409	.07180	9.7222	0.8	F
9043	34717.89	32 13N	20 41E	74.9	187.7	3.092	1.05	66.7	SO409	.07180	9.6892	1.0	A
9044	35253.09	4 56S	12 37E	109.0	186.5	3.092	-38.85	61.5	SO409	.04070	6.5778	0.6	F
9045	35256.89	4 56S	12 37E	107.5	186.5	3.092	-38.50	61.5	SO409	.04070	6.7759	0.6	V
9046	35262.49	5 35S	12 18E	117.2	186.6	2.881	-43.40	60.9	SO409	.04070	6.0991	0.6	F
9047	35263.69	5 40S	12 17E	117.2	186.6	2.881	-43.40	60.8	SO409	.04070	6.0909	0.8	F
9048	35267.89	5 40S	12 17E	115.5	186.6	2.881	-43.05	60.8	SO409	.04070	6.2890	0.8	V
9049	35270.89	5 34S	12 17E	116.8	186.6	3.092	-43.05	60.9	SO409	.04070	6.1899	0.6	A
9050	35309.29	8 53S	13 10E	90.9	186.6	3.439	3.15	59.3	SO409	.05390	7.9313	0.8	F
9051	35312.49	8 53S	13 10E	90.2	186.6	3.439	3.85	59.3	SO409	.05390	8.0634	0.8	V
1997 9001	39777.49	49 2N	1 57E	83.2	189.9	2.037	-29.05	53.1	SO409	.07180	8.8226	0.6	V
9002	39780.69	49 1N	1 56E	83.9	189.9	2.037	-28.70	53.1	SO409	.07180	8.6741	0.4	A
9003	39962.49	35 58N	0 5E	82.7	188.1	2.738	22.75	64.3	SO409	.07180	8.8061	0.6	F
9004	39968.49	35 58N	0 5E	83.4	188.0	2.530	23.80	64.4	SO409	.07180	8.6823	0.6	A
9005	40024.29	31 55N	0 42W	86.0	187.7	2.530	26.35	67.3	SO409	.05390	8.5503	0.6	V
9006	40027.49	31 54N	0 43W	87.4	187.7	2.530	28.70	67.3	SO409	.05390	8.2779	0.6	A
1999 5001	51438.09	23 24S	54 10W	142.6	187.1	1.690	43.40	47.5	SO312	.02210	5.0679	1.0	V
5002	51442.29	24 2S	54 17W	143.5	187.1	1.690	43.05	47.0	SO312	.02210	5.0101	0.8	F
5003	51573.69	32 14S	59 10W	125.6	187.7	3.092	-34.65	38.0	SO312	.03080	5.7365	1.2	V
5004	51581.89	32 22S	59 43W	142.9	187.8	3.092	-43.05	37.6	SO312	.02210	5.0019	1.2	A
9001	51422.88	22 10S	55 55W	98.4	187.0	3.232	-7.70	47.7	SO409	.05390	7.3618	1.0	V
9002	51448.68	24 4S	54 57W	119.8	187.1	2.037	31.15	46.6	SO409	.05390	6.0331	1.4	V
9003	51456.09	24 15S	54 59W	122.3	187.2	2.037	31.50	46.5	SO409	.04070	5.7938	1.2	A
9004	51472.08	25 21S	54 46W	137.6	187.2	1.690	39.55	45.7	SO409	.04070	5.1418	1.0	A
9005	51483.09	26 4S	55 56W	108.7	187.3	2.738	15.75	44.5	SO409	.05390	6.5365	1.2	A
9006	51518.89	29 2S	56 31W	109.9	187.4	2.738	14.70	41.8	SO409	.05390	6.5200	2.8	F
9007	51535.69	29 26S	58 10W	115.9	187.5	3.439	-27.30	40.7	SO409	.05390	6.1569	1.0	A
9008	51557.49	30 51S	58 46W	123.6	187.6	3.232	-32.90	39.3	SO409	.05390	5.7855	1.0	A
9009	51591.09	33 7S	59 17W	125.0	187.8	3.232	-32.20	37.2	SO409	.05390	5.6947	0.8	A
9010	51602.09	34 34S	58 30W	109.5	187.9	3.092	-6.65	36.3	SO409	.05390	6.5200	0.4	F
9011	51606.09	34 34S	58 30W	108.5	187.9	2.881	-5.95	36.3	SO409	.05390	6.6438	0.4	V
9012	51609.49	34 48S	58 34W	108.7	187.9	2.881	-6.30	36.1	SO409	.05390	6.6273	0.6	V
9013	51613.68	34 48S	58 34W	110.2	188.0	3.092	-5.95	36.1	SO409	.05390	6.4375	0.6	A
9014	51621.89	35 15S	59 22W	117.5	188.0	3.232	-22.75	35.4	SO409	.05390	6.0579	1.2	A
9015	51627.49	35 34S	59 49W	125.2	188.1	3.232	-30.45	34.9	SO409	.05390	5.7030	1.2	A
9016	51643.89	37 27S	58 39W	113.3	188.2	2.738	7.00	33.8	SO409	.05390	6.2972	1.0	F
9017	51650.09	37 52S	58 40W	114.4	188.2	2.530	9.10	33.4	SO409	.05390	6.2394	0.8	F
9018	51655.29	38 11S	59 1W	112.7	188.3	2.738	2.45	33.0	SO409	.05390	6.3302	0.8	F
9019	51662.49	38 6S	59 6W	113.0	188.3	2.738	0.70	33.1	SO409	.05390	6.2642	0.6	A
9020	51664.09	38 13S	59 8W	113.1	188.3	2.738	0.70	33.0	SO409	.05390	6.2589	0.8	A
2000 9001	56222.68	12 12N	71 55W	80.2	186.7	3.439	-11.90	71.7	SO409	.07180	9.0290	0.6	F
9002	56228.48	12 12N	71 55W	80.2	186.7	3.439	-10.85	71.7	SO409	.07180	9.0290	0.6	A
9003	56239.48	11 13N	71 50W	79.0	186.6	3.439	-0.35	71.7	SO409	.05390	9.2765	1.4	V
9004	56249.88	10 26N	71 24W	88.0	186.6	2.881	22.75	72.0	SO409	.05390	8.3274	1.4	V
9005	56256.68	10 11N	71 13W	96.2	186.6	2.530	30.45	72.1	SO409	.05390	7.4774	1.4	A
9006	56267.68	9 2N	71 56W	83.2	186.6	3.232	11.20	71.2	SO409	.05390	8.7318	1.4	F
9007	56302.48	7 9N	73 7W	86.0	186.6	3.587	-22.75	69.6	SO409	.05390	8.4182	0.4	A
9008	56316.48	5 44N	72 58W	80.9	186.6	3.587	-7.70	69.3	SO409	.04070	8.9464	1.4	F
9009	56325.68	5 33N	73 21W	86.0	186.5	3.587	-20.65	68.9	SO409	.05390	8.4100	0.4	A
9010	56336.48	4 33N	73 8W	81.6	186.5	3.439	-5.60	68.7	SO409	.05390	8.9829	1.4	V
9011	56343.28	4 7N	73 33W	85.0	186.5	3.439	-19.25	68.2	SO409	.05390	8.5998	1.0	V
9012	56346.48	4 7N	73 33W	86.0	186.5	3.439	-18.90	68.2	SO409	.05390	8.4100	0.8	A
9013	56394.48	0 32N	73 35W	84.5	186.5	3.439	4.90	66.5	SO409	.05390	8.6411	0.8	V
9014	56403.28	0 22S	73 10W	96.6	186.5	2.881	25.20	66.3	SO409	.05390	7.4939	1.0	F
9015	56575.28	11 60S	77 1W	110.8	186.7	3.092	-36.40	56.0	SO409	.04070	6.4623	1.4	F
9016	56583.28	11 60S	77 0W	110.0	186.7	3.439	-35.70	56.0	SO409	.04070	6.5531	1.4	A
2001 9001	61196.68	35 21N	90 0W	83.6	188.0	2.738	-29.75	64.0	SO409	.04070	8.6988	4.8	A
9002	61445.28	18 1N	93 28W	86.4	186.8	3.092	-30.45	71.7	SO409	.05390	8.4843	0.4	V
9003	61448.48	18 1N	93 28W	87.3	186.8	3.092	-30.10	71.7	SO409	.05390	8.3274	0.4	A
2006 9001	1042.28	55 13N	165 56E	75.9	191.4	2.037	-9.45	47.6	SO409	.09620	9.6727	0.4	V
9002	1045.08	55 13N	165 56E	76.7	191.4	2.037	-9.10	47.6	SO409	.09620	9.4664	0.4	A
2008 9001	11879.68	40 26N	116 41E	77.3	188.6	2.530	-20.30	60.2	SO409	.07180	9.4911	0.6	V
9002	11882.48	40 26N	116 41E	78.1	188.5	2.738	-20.30	60.2	SO409	.07180	9.3178	0.6	A
9003	11886.88	39 45N	116 28E	79.3	188.5	2.530	-22.40	60.7	SO409	.05390	9.1197	0.4	F
9004	11892.68	39 45N	116 27E	79.0	188.4	2.738	-22.05	60.7	SO409	.07180	9.2188	0.4	A
9005	11937.08	36 5N	117 16E	92.2	188.1	2.530	33.25	64.3	SO409	.05390	7.9313	1.0	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
2008 9006	11943.68	36 5N	117 16E	93.1	188.1	2.181	34.30	64.3	SO409	.05390	7.7828	1.2	A
9007	12017.88	30 45N	114 24E	80.2	187.6	2.881	-23.80	67.1	SO409	.05390	9.0124	0.4	F
9008	12020.08	30 36N	114 22E	80.2	187.6	2.881	-23.80	67.2	SO409	.05390	9.0042	0.6	F
9009	12022.88	30 36N	114 22E	79.2	187.6	2.881	-23.45	67.2	SO409	.05390	9.2683	0.6	V
9010	12029.08	30 11N	114 10E	81.3	187.5	2.738	-26.95	67.4	SO409	.05390	9.0290	0.4	V
9011	12032.28	30 10N	114 8E	82.8	187.5	2.738	-27.65	67.4	SO409	.05390	8.7896	0.4	A
9012	12053.08	28 35N	115 20E	88.0	187.4	2.530	28.70	69.3	SO409	.05390	8.2119	0.4	A
9013	12069.68	27 37N	113 30E	86.0	187.3	2.881	-31.50	68.7	SO409	.05390	8.4760	1.0	A
9014	12085.28	26 37N	112 53E	98.9	187.3	2.530	-42.35	68.9	SO409	.04070	7.3866	0.6	A
9015	12107.28	24 40N	114 15E	80.5	187.2	2.881	18.90	71.1	SO409	.05390	9.1362	0.4	V
9016	12110.28	24 40N	114 14E	81.7	187.2	2.881	19.25	71.1	SO409	.05390	8.8639	0.4	A
9017	12125.48	23 17N	113 21E	76.1	187.1	3.232	-6.30	71.1	SO409	.05390	9.5324	0.4	F
9018	12130.88	23 18N	113 22E	76.2	187.1	3.232	-5.25	71.1	SO409	.05390	9.5241	0.4	A
9019	12140.88	22 18N	114 9E	91.3	187.0	2.738	31.15	72.3	SO409	.05390	8.0386	0.6	V
9020	12144.28	22 18N	114 10E	93.4	187.0	2.530	32.20	72.3	SO409	.05390	7.7332	0.6	A
2009 9001	16954.48	56 13N	101 40E	87.9	191.8	1.826	29.05	46.9	SO409	.07180	8.3687	0.4	V
9002	16957.68	56 13N	101 40E	89.2	191.7	1.826	29.40	46.9	SO409	.07180	8.1294	0.4	A
9003	17224.68	37 49N	95 27E	86.5	188.3	2.390	31.15	62.9	SO409	.05390	8.5008	0.6	V
9004	17227.88	37 49N	95 27E	87.9	188.2	2.390	31.50	62.9	SO409	.05390	8.2284	0.6	A
2010 9001	22062.68	69 23N	88 13E	84.7	199.0	1.338	18.20	34.2	SO409	.07180	8.5503	0.6	F
9002	22065.88	69 23N	88 7E	83.1	198.9	1.338	17.15	34.2	SO409	.07180	8.8226	0.4	V
9003	22069.08	69 23N	88 5E	83.9	198.7	1.135	17.15	34.2	SO409	.07180	8.6246	0.4	A
9004	22090.88	67 30N	86 41E	87.3	197.5	1.484	23.10	36.1	SO409	.07180	8.3274	1.8	F
9005	22097.28	67 30N	86 35E	86.5	197.2	1.338	22.40	36.1	SO409	.07180	8.3687	1.2	A
9006	22103.28	66 41N	85 58E	87.5	196.9	1.484	23.80	36.9	SO409	.07180	8.3027	1.0	F
9007	22109.48	66 42N	85 58E	87.5	196.6	1.338	24.15	36.9	SO409	.07180	8.2779	1.0	A
9008	22412.68	46 5N	73 29E	86.9	189.4	2.037	-32.55	55.4	SO409	.05390	8.3192	1.2	F
9009	22416.28	46 3N	73 30E	85.2	189.4	2.037	-31.85	55.4	SO409	.05390	8.6163	0.8	V
9010	22419.48	46 3N	73 29E	86.2	189.3	2.037	-31.85	55.4	SO409	.05390	8.4512	0.8	A
9011	22448.28	43 35N	75 14E	95.3	189.0	2.181	37.10	58.2	SO409	.04070	7.7167	0.4	V
9012	22451.68	43 36N	75 14E	97.0	189.0	2.181	37.45	58.2	SO409	.04070	7.4691	0.6	A
9013	22459.08	42 54N	74 36E	84.7	188.9	2.390	27.30	58.7	SO409	.05390	8.6741	1.0	V
9014	22462.68	42 52N	74 37E	86.5	188.9	2.390	28.35	58.7	SO409	.05390	8.3605	0.6	A
9015	22486.48	40 58N	72 60E	74.4	188.6	2.738	-7.35	59.9	SO409	.07180	9.7552	1.4	F
9016	22491.28	41 1N	72 59E	74.4	188.6	2.738	-7.35	59.9	SO409	.07180	9.7717	1.4	A
9017	22537.08	37 33N	71 33E	80.6	188.2	2.530	-27.30	62.3	SO409	.05390	8.9712	1.4	F
9018	22542.28	37 35N	71 33E	80.0	188.2	2.738	-27.30	62.3	SO409	.05390	9.1115	1.4	A
2011 9001	27590.08	54 49N	56 4E	78.7	191.4	2.037	12.95	48.0	SO409	.07180	9.2353	0.6	F
9002	27592.88	54 49N	56 4E	77.8	191.3	2.037	13.30	48.0	SO409	.07180	9.4334	0.6	V
9003	27597.08	54 44N	55 56E	77.9	191.3	2.037	11.20	48.1	SO409	.07180	9.3096	0.4	A
9004	27608.48	53 43N	55 58E	81.9	191.1	2.037	21.70	49.1	SO409	.07180	8.9712	0.8	V
9005	27611.48	53 43N	55 59E	83.0	191.0	2.037	22.05	49.1	SO409	.07180	8.7236	0.8	A
9006	27617.48	53 6N	55 50E	83.4	190.9	2.037	24.15	49.7	SO409	.07180	8.8061	0.8	V
9007	27620.48	53 6N	55 50E	84.6	190.8	2.037	24.50	49.7	SO409	.07180	8.5585	1.0	A
9008	27628.08	52 22N	55 44E	86.7	190.7	2.037	28.35	50.4	SO409	.07180	8.4760	1.0	V
9009	27631.28	52 22N	55 44E	88.0	190.7	2.037	28.70	50.4	SO409	.05390	8.2202	1.0	A
9010	27639.68	51 27N	54 47E	78.6	190.5	2.390	14.00	51.1	SO409	.07180	9.2600	1.0	F
9011	27645.48	51 26N	54 47E	78.9	190.4	2.181	15.05	51.1	SO409	.07180	9.2023	0.8	A
9012	27761.48	43 38N	51 17E	76.7	189.0	2.530	-16.10	57.6	SO409	.07180	9.4664	0.8	A
9013	27967.68	29 3N	48 10E	75.3	187.5	3.092	-6.30	68.3	SO409	.07180	9.6397	0.6	F
9014	27973.08	29 3N	48 10E	75.3	187.4	3.092	-5.25	68.4	SO409	.07180	9.6397	0.6	A
9015	28034.08	24 44N	46 37E	84.8	187.2	2.881	-30.80	70.0	SO409	.05390	8.8411	0.4	V
9016	28037.08	24 45N	46 37E	85.6	187.2	2.881	-30.45	70.0	SO409	.05390	8.4925	0.4	A
2012 9001	32846.88	58 24N	33 56E	82.9	192.5	1.690	-24.15	44.5	SO409	.07180	8.7236	0.4	F
9002	32851.28	58 6N	33 44E	83.5	192.4	1.484	-25.20	44.8	SO409	.07180	8.6411	2.2	F
9003	32855.88	57 59N	33 41E	82.4	192.3	1.690	-25.20	44.9	SO409	.07180	8.9052	0.4	V
9004	32860.08	57 31N	33 10E	88.0	192.2	1.484	-31.15	45.3	SO409	.07180	8.1954	0.4	F
9005	32866.48	57 31N	33 9E	87.7	192.0	1.690	-31.15	45.3	SO409	.07180	8.2944	0.4	A
9006	32878.48	56 19N	34 18E	75.9	191.8	2.037	5.95	46.6	SO409	.07180	9.6809	0.6	V
9007	32881.28	56 19N	34 17E	76.7	191.7	2.037	5.60	46.6	SO409	.07180	9.4664	0.8	A
9008	32890.08	55 51N	32 55E	81.1	191.5	1.826	-22.40	46.8	SO409	.07180	8.9794	0.4	A
9009	32906.88	54 17N	34 25E	87.0	191.2	2.037	28.35	48.6	SO409	.07180	8.4430	0.4	V
9010	32910.08	54 17N	34 26E	88.4	191.2	1.826	29.05	48.6	SO409	.07180	8.1954	0.4	A
9011	32915.48	53 31N	33 53E	84.2	191.1	2.037	23.80	49.3	SO409	.07180	8.6411	0.8	F
9012	32918.48	53 31N	33 53E	83.4	191.0	2.037	24.15	49.3	SO409	.07180	8.8061	0.8	V
9013	32929.08	52 46N	32 16E	76.2	190.8	2.181	-10.15	49.7	SO409	.07180	9.5159	0.6	F
9014	32931.88	52 45N	32 16E	75.2	190.8	2.181	-9.80	49.7	SO409	.07180	9.7635	0.4	V
9015	32939.48	52 20N	31 10E	86.6	190.6	1.826	-32.20	49.9	SO409	.07180	8.4595	0.8	V
9016	32942.68	52 20N	31 10E	87.4	190.6	2.037	-32.20	49.9	SO409	.07180	8.3274	0.8	A
9017	32956.68	50 57N	30 47E	86.5	190.4	1.826	-31.15	51.2	SO409	.05390	8.3440	0.8	F
9018	32962.68	50 58N	30 47E	85.9	190.3	2.037	-30.80	51.2	SO409	.07180	8.4678	1.0	A
9019	32966.88	50 28N	30 29E	88.0	190.2	1.826	-33.95	51.6	SO409	.05390	8.3274	1.0	V
9020	32970.08	50 29N	30 29E	88.8	190.2	2.037	-33.95	51.6	SO409	.05390	8.2037	1.0	A
9021	32976.88	49 46N	30 29E	83.4	190.1	2.037	-29.05	52.2	SO409	.07180	8.7979	0.4	V
9022	32979.88	49 46N	30 30E	84.1	190.0	2.037	-28.70	52.2	SO409	.07180	8.6576	0.4	A
9023	32985.28	48 59N	30 24E	81.8	190.0	2.037	-25.55	52.9	SO409	.07180	8.8391	0.6	F
9024	32988.28	48 58N	30 24E	80.6	189.9	2.037	-25.20	53.0	SO409	.07180	9.1032	0.4	V
9025	32993.08	48 26N	30 32E	77.7	189.9	2.037	-17.50	53.5	SO409	.07180	9.3178	0.4	F
9026	32995.68	48 26N	30 32E	76.6	189.8	2.037	-17.15	53.5	SO409	.07180	9.5819	0.4	V
9027	33001.48	47 53N	29 57E	83.9	189.7	2.037	-28.70	53.9	SO409	.07180	8.6163	0.6	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
2012 9028	33007.48	47 53N	29 57E	83.2	189.7	2.181	-28.00	53.9	S0409	.07180	8.7401	0.6	A
9029	33015.88	47 2N	30 19E	74.8	189.6	2.390	-11.20	54.8	S0409	.07180	9.8212	0.4	V
9030	33021.48	46 25N	30 33E	74.9	189.5	2.530	1.40	55.4	S0409	.07180	9.6974	1.6	F
9031	33026.88	46 25N	30 33E	74.9	189.4	2.530	2.10	55.4	S0409	.07180	9.6892	0.4	A
9032	33027.48	46 21N	30 32E	74.9	189.4	2.530	2.10	55.5	S0409	.07180	9.6892	0.6	A
9033	33059.08	44 10N	28 38E	88.2	189.1	2.037	-35.00	56.9	S0409	.05390	8.3192	0.6	V
9034	33062.28	44 10N	28 38E	88.8	189.0	2.037	-34.65	56.9	S0409	.05390	8.1954	0.6	A
9035	34023.48	22 5S	16 0E	106.6	187.0	3.232	-25.90	47.7	S0409	.05390	6.7841	0.6	V
9036	34027.48	22 5S	16 0E	107.8	187.1	3.439	-25.55	47.7	S0409	.05390	6.6521	0.6	A
2013 9001	38235.68	52 33N	11 37E	88.0	190.8	2.181	28.35	50.2	S0409	.05390	8.2614	0.6	F
9002	38238.68	52 34N	11 37E	87.2	190.8	2.181	28.70	50.2	S0409	.07180	8.4100	0.6	V
9003	38242.28	52 19N	11 31E	87.2	190.7	2.181	28.70	50.4	S0409	.07180	8.4430	1.0	V
9004	38245.48	52 19N	11 32E	88.5	190.7	2.181	29.05	50.4	S0409	.05390	8.1954	1.0	A
9005	38253.48	51 21N	11 7E	87.4	190.5	2.181	28.00	51.2	S0409	.05390	8.3522	0.6	F
9006	38256.48	51 22N	11 8E	86.6	190.5	2.181	28.35	51.2	S0409	.07180	8.4925	0.6	V
9007	38261.68	50 60N	11 4E	88.1	190.4	2.037	30.10	51.6	S0409	.05390	8.3440	1.0	V
9008	38265.08	50 59N	11 4E	89.4	190.3	2.037	30.45	51.6	S0409	.05390	8.0464	0.8	A
9009	38269.68	50 41N	10 47E	85.6	190.3	2.037	26.95	51.8	S0409	.07180	8.4595	0.6	A
9010	38378.28	43 5N	5 58E	96.7	188.9	1.826	-40.95	57.7	S0409	.03070	7.4444	0.6	F
9011	38381.68	43 5N	5 57E	95.5	188.9	1.826	-40.95	57.7	S0409	.03070	7.6672	0.6	V
9012	38475.08	36 49N	5 3E	81.3	188.1	2.738	-26.25	62.8	S0409	.05390	8.9464	1.4	A
2015 9001	49968.67	23 54S	48 52W	117.0	187.1	2.181	28.00	47.0	S0409	.05390	6.0579	1.2	A
9002	49982.67	24 45S	50 16W	101.7	187.2	3.439	-8.40	45.6	S0409	.05390	7.0070	1.2	A
9003	50002.67	25 55S	51 38W	124.5	187.3	3.232	-37.45	44.0	S0409	.05390	5.7608	1.4	A
2016 5001	55456.67	36 40S	73 5W	136.8	188.1	1.690	34.30	35.4	S0312	.03080	5.2495	0.8	V
5002	55461.87	36 40S	73 5W	139.4	188.1	1.484	34.65	35.4	S0312	.03080	5.0761	0.8	A
9001	54789.87	9 14N	66 18W	81.6	186.6	3.587	-13.30	70.9	S0409	.05390	8.8556	1.0	A
9002	55174.67	17 32S	69 25W	121.8	186.8	2.037	37.80	53.0	S0409	.03070	5.9423	1.4	V
9003	55179.47	17 51S	69 39W	115.7	186.8	2.037	33.95	52.6	S0409	.03070	6.2642	1.2	V
9004	55185.47	18 17S	69 26W	126.3	186.9	2.037	39.90	52.3	S0409	.04070	5.7278	1.0	V
9005	55189.87	18 16S	69 36W	123.0	186.9	2.037	36.75	52.3	S0409	.04070	5.7690	1.4	A
2017 9001	59988.07	15 56N	85 57W	96.3	186.8	2.738	32.90	73.4	S0409	.04070	7.5599	1.4	F
9002	59995.07	15 56N	86 2W	95.1	186.8	2.530	31.85	73.3	S0409	.04070	7.5847	1.2	A
9003	60002.27	14 54N	85 52W	107.0	186.8	2.390	40.25	73.6	S0409	.03070	6.8172	1.2	F
9004	60009.87	14 55N	85 58W	104.5	186.7	2.181	38.85	73.5	S0409	.03070	6.8914	1.2	A
2018 5001	65022.27	34 37N	105 12W	73.3	187.9	2.881	-0.70	64.7	S0312	.03080	9.9130	0.6	F
5002	65027.47	34 37N	105 12W	73.5	187.9	2.881	0.35	64.7	S0312	.03080	9.8882	0.8	A
9001	64952.07	39 56N	104 54W	84.2	188.5	2.530	-31.85	60.3	S0409	.04070	8.6576	5.4	A
9002	64964.07	39 3N	104 47W	77.8	188.4	2.738	-22.40	61.1	S0409	.05390	9.3591	4.8	A
9003	65022.27	34 37N	105 12W	73.4	187.9	2.881	-0.70	64.7	S0409	.05390	9.9120	0.6	F
9004	65027.47	34 37N	105 12W	73.5	187.9	2.881	0.35	64.7	S0409	.05390	9.8873	0.6	A
2019 9001	71145.67	21 45S	138 51W	113.2	187.0	3.092	-31.85	48.0	S0409	.05390	6.3055	1.4	F
9002	71153.87	21 45S	138 51W	113.1	187.0	3.439	-31.50	48.0	S0409	.05390	6.3385	1.4	A
2022 9001	85806.27	64 43N	177 40E	78.7	195.5	1.484	0.00	38.5	S0409	.07180	9.2023	0.6	F
9002	85811.87	64 45N	177 29E	78.6	195.3	1.484	-3.15	38.5	S0409	.07180	9.2270	0.4	A
2024 9001	10215.27	51 52N	128 3E	86.1	190.6	2.181	26.25	50.6	S0409	.07180	8.4678	0.4	F
9002	10216.47	51 47N	128 1E	86.1	190.6	2.181	26.25	50.6	S0409	.07180	8.4678	0.4	F
9003	10218.47	51 39N	127 58E	86.0	190.6	2.181	26.25	50.8	S0409	.07180	8.4760	0.6	F
9004	10221.47	51 39N	127 58E	85.3	190.5	2.181	26.60	50.8	S0409	.07180	8.6328	0.6	V
9005	10225.87	51 23N	127 39E	81.6	190.5	2.181	21.70	51.0	S0409	.07180	9.0207	0.4	V
9006	10228.07	51 14N	127 36E	81.6	190.4	2.181	21.70	51.1	S0409	.07180	9.0207	0.4	V
9007	10231.07	51 14N	127 36E	82.7	190.4	2.181	22.05	51.1	S0409	.07180	8.7731	0.4	A
9008	10241.67	50 16N	127 35E	87.6	190.2	2.037	29.40	52.0	S0409	.07180	8.3935	0.6	V
9009	10244.87	50 16N	127 35E	88.9	190.2	2.037	29.75	52.0	S0409	.07180	8.1376	0.6	A
9010	10332.47	43 54N	125 19E	84.6	189.1	2.530	25.20	57.6	S0409	.05390	8.6328	0.4	F
9011	10335.67	43 53N	125 20E	84.1	189.1	2.530	25.90	57.6	S0409	.05390	8.7484	0.4	V
9012	10344.47	43 12N	124 18E	74.6	189.0	2.738	0.70	57.9	S0409	.05390	9.7470	1.0	F
9013	10349.87	43 11N	124 18E	74.6	188.9	2.738	1.40	57.9	S0409	.05390	9.7305	0.8	A
9014	10363.87	41 55N	123 27E	76.6	188.8	2.530	-16.10	58.8	S0409	.07180	9.4581	1.2	F
9015	10369.47	41 54N	123 27E	76.3	188.7	2.738	-15.40	58.8	S0409	.07180	9.5324	1.0	A
9016	10385.67	40 13N	124 32E	90.7	188.6	2.530	31.85	60.7	S0409	.04070	8.0634	1.4	F
9017	10405.87	39 19N	121 46E	98.0	188.4	2.037	-43.05	60.5	S0409	.04070	7.4774	0.8	V
9018	10409.47	39 19N	121 46E	98.6	188.4	2.037	-42.70	60.5	S0409	.04070	7.3784	0.8	A
9019	10427.67	37 33N	122 8E	80.0	188.2	2.530	-24.15	62.2	S0409	.09620	9.0537	0.4	F
9020	10433.47	37 33N	122 8E	79.6	188.2	2.738	-23.45	62.2	S0409	.09620	9.1527	0.4	A
9021	10438.27	37 15N	121 46E	85.3	188.2	2.530	-32.20	62.3	S0409	.05390	8.5503	0.4	A
9022	10440.27	37 7N	121 44E	85.8	188.1	2.530	-32.20	62.4	S0409	.04070	8.5090	1.0	A
9023	10516.47	31 24N	121 14E	74.9	187.6	3.092	-7.35	66.7	S0409	.07180	9.6892	0.6	F
9024	10521.87	31 24N	121 14E	74.8	187.6	3.092	-6.30	66.8	S0409	.07180	9.7057	0.4	A
9025	10526.07	31 6N	121 11E	74.8	187.6	3.092	-5.60	67.0	S0409	.07180	9.7140	0.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
2024 9026	10533.07	30 37N	121 7E	74.8	187.6	3.092	-4.20	67.3	SO409	.07180	9.7140	0.6	A
9027	10544.47	29 33N	121 42E	84.1	187.5	2.738	25.20	68.4	SO409	.07180	8.7401	1.0	V
9028	10547.67	29 33N	121 42E	85.4	187.5	2.738	25.55	68.4	SO409	.07180	8.4678	0.8	A
9029	10554.87	28 38N	121 31E	85.3	187.4	2.881	25.20	69.0	SO409	.05390	8.5668	0.4	F
9030	10558.67	28 35N	121 26E	83.0	187.4	2.881	23.45	69.0	SO409	.04070	8.8639	0.6	V
9031	10561.87	28 35N	121 26E	84.2	187.4	2.881	23.80	69.0	SO409	.04070	8.5915	0.4	A
9032	10581.07	26 57N	120 14E	75.8	187.3	3.232	-10.50	69.3	SO409	.05390	9.5654	1.0	F
9033	10603.47	25 26N	119 38E	79.4	187.2	3.092	-21.35	69.8	SO409	.05390	9.1197	0.6	F
9034	10606.27	25 26N	119 38E	78.3	187.2	3.092	-21.00	69.8	SO409	.05390	9.3756	0.6	V
9035	10640.07	22 44N	120 25E	89.6	187.1	2.881	28.70	71.9	SO409	.05390	8.1541	1.0	F
9036	10646.47	22 45N	120 25E	90.4	187.1	2.530	29.75	72.0	SO409	.05390	7.9973	1.0	A
2025 9001	15520.07	52 23N	104 12E	80.9	190.7	2.037	-23.10	49.7	SO409	.07180	8.9464	0.8	F
9002	15523.07	52 23N	104 11E	79.9	190.7	2.037	-23.10	49.7	SO409	.07180	9.1940	0.6	V
9003	15525.87	52 24N	104 12E	80.6	190.6	2.037	-22.75	49.7	SO409	.05390	9.0290	0.8	A
9004	15691.07	40 42N	100 31E	84.6	188.6	2.181	-31.15	59.6	SO409	.05390	8.5338	0.4	F
9005	15697.07	40 43N	100 31E	84.1	188.6	2.390	-30.80	59.6	SO409	.05390	8.6658	0.4	A
9006	15743.27	37 0N	100 55E	75.4	188.2	2.881	12.25	63.0	SO409	.05390	9.6562	1.0	F
9007	15748.67	37 0N	100 55E	75.8	188.1	2.881	13.30	63.0	SO409	.05390	9.5737	1.0	A
9008	15755.07	36 36N	100 29E	72.9	188.1	2.881	1.40	63.2	SO409	.04620	9.9533	0.4	A
9009	15890.07	27 28N	97 25E	90.6	187.3	2.738	-36.40	68.5	SO409	.05390	8.0386	0.8	A
9010	15899.27	26 34N	97 35E	81.2	187.3	2.881	-26.60	69.2	SO409	.05390	9.0290	1.0	V
9011	15922.87	25 1N	98 34E	83.6	187.2	2.738	24.15	70.9	SO409	.05390	8.6328	0.4	A
9012	15962.27	22 17N	98 21E	94.4	187.0	2.390	34.30	72.2	SO409	.05390	7.6259	1.0	A
2026 9001	20763.27	56 43N	84 57E	76.9	192.0	2.037	5.25	46.0	SO409	.07180	9.4334	0.6	F
9002	20766.07	56 43N	84 56E	76.1	191.9	2.037	5.60	46.0	SO409	.07180	9.6562	1.4	V
9003	20769.67	56 40N	84 55E	77.0	191.8	2.037	5.95	46.0	SO409	.07180	9.4251	0.6	A
9004	20776.67	55 46N	84 55E	79.6	191.7	2.037	14.70	46.9	SO409	.07180	9.1362	0.6	F
9005	20779.47	55 46N	84 55E	78.7	191.6	2.037	15.05	46.9	SO409	.07180	9.3261	0.6	V
9006	20791.27	54 57N	82 43E	86.0	191.4	1.690	-29.40	47.3	SO409	.07180	8.4100	0.4	F
9007	20797.47	54 57N	82 44E	85.3	191.3	1.826	-28.70	47.4	SO409	.07180	8.5255	0.4	A
9008	21231.47	24 54N	75 37E	75.0	187.2	3.232	-8.75	70.3	SO409	.05390	9.7882	0.4	V
9009	21234.07	24 54N	75 37E	75.9	187.2	3.232	-8.40	70.3	SO409	.05390	9.5571	0.4	A
2027 9001	26056.47	57 45N	63 1E	76.5	192.3	2.037	-1.40	44.9	SO409	.07180	9.4829	1.4	F
9002	26061.87	57 45N	63 5E	76.5	192.2	2.037	0.70	45.0	SO409	.07180	9.4829	1.4	A
9003	26077.47	56 51N	61 20E	86.1	191.8	1.690	-29.40	45.6	SO409	.07180	8.4347	0.4	A
9004	26081.26	56 35N	61 20E	84.5	191.8	1.690	-27.30	45.9	SO409	.05390	8.6081	0.4	A
9005	26085.67	56 19N	60 58E	88.6	191.7	1.690	-32.20	46.1	SO409	.05390	8.2037	0.4	A
9006	26131.47	52 45N	60 6E	81.0	190.8	1.826	-23.10	49.4	SO409	.07180	8.9217	0.6	F
9007	26134.27	52 45N	60 5E	79.9	190.8	2.037	-23.10	49.4	SO409	.07180	9.1858	0.6	V
9008	26136.07	52 37N	60 3E	79.9	190.7	2.037	-23.10	49.5	SO409	.07180	9.1940	0.8	V
9009	26139.06	52 37N	60 3E	80.6	190.7	2.037	-22.75	49.5	SO409	.07180	9.0290	0.8	A
9010	26151.07	51 22N	60 11E	75.6	190.5	2.181	-8.40	50.7	SO409	.07180	9.5819	0.4	F
9011	26152.47	51 16N	60 9E	75.6	190.5	2.181	-8.40	50.8	SO409	.07180	9.5819	0.4	F
9012	26154.67	51 7N	60 6E	75.6	190.4	2.181	-8.40	50.9	SO409	.07180	9.5819	0.4	F
9013	26157.47	51 6N	60 6E	74.6	190.4	2.181	-8.05	50.9	SO409	.07180	9.8377	0.4	V
9014	26162.47	50 47N	59 47E	75.7	190.3	2.181	-13.65	51.2	SO409	.07180	9.6892	0.4	V
9015	26165.26	50 47N	59 47E	76.5	190.3	2.181	-13.30	51.2	SO409	.07180	9.4994	0.4	A
9016	26202.06	47 56N	58 17E	84.4	189.7	2.037	-29.40	53.5	SO409	.05390	8.5668	0.6	F
9017	26208.06	47 57N	58 17E	84.0	189.7	2.181	-29.05	53.5	SO409	.07180	8.6576	0.6	A
2028 9001	31156.26	71 34N	52 27E	81.7	201.1	1.135	12.95	31.7	SO409	.09620	8.9712	0.8	V
9002	31159.26	71 34N	52 27E	82.8	200.9	1.135	13.30	31.7	SO409	.07180	8.7566	0.8	A
9003	31289.26	62 56N	41 25E	98.9	194.4	0.995	-38.85	39.9	SO409	.07180	7.2958	0.4	F
9004	31296.46	62 56N	41 24E	98.5	194.2	1.135	-38.85	39.9	SO409	.07180	7.3618	0.4	A
9005	31356.06	58 11N	41 44E	79.1	192.5	2.037	12.60	44.6	SO409	.07180	9.1775	0.4	F
9006	31358.86	58 11N	41 45E	78.3	192.4	2.037	12.95	44.6	SO409	.07180	9.3838	0.4	V
9007	31361.46	57 50N	41 34E	79.0	192.4	2.037	12.60	44.9	SO409	.07180	9.1940	0.4	F
9008	31364.26	57 50N	41 34E	78.2	192.3	2.037	12.95	44.9	SO409	.07180	9.3921	0.4	V
9009	31376.66	56 57N	39 50E	79.5	192.0	1.826	-18.20	45.6	SO409	.07180	9.1197	1.4	F
9010	31380.66	56 41N	39 40E	79.8	191.9	1.826	-19.25	45.8	SO409	.07180	9.0702	0.4	F
9011	31382.06	56 35N	39 38E	79.8	191.9	1.826	-19.25	45.9	SO409	.07180	9.0785	0.6	F
9012	31389.06	56 10N	38 31E	94.0	191.7	1.484	-37.10	46.1	SO409	.05390	7.7002	1.2	F
9013	31392.46	56 10N	38 29E	93.3	191.7	1.484	-37.45	46.1	SO409	.07180	7.8900	11.0	V
9014	31405.86	55 29N	38 15E	93.5	191.4	1.690	-37.10	46.8	SO409	.05390	7.7828	1.2	A
9015	31433.06	53 8N	38 9E	80.7	190.9	1.826	-22.40	49.0	SO409	.07180	8.9547	0.6	F
9016	31439.46	52 39N	38 24E	76.5	190.8	2.037	-11.90	49.5	SO409	.07180	9.4664	0.4	F
9017	31446.26	52 27N	37 37E	83.6	190.7	1.826	-28.70	49.6	SO409	.07180	8.7649	0.6	V
9018	31451.66	52 4N	37 34E	82.3	190.6	1.826	-26.95	49.9	SO409	.07180	8.9052	0.4	V
9019	31454.66	52 5N	37 34E	83.1	190.5	2.037	-26.95	49.9	SO409	.07180	8.7566	0.4	A
9020	31464.26	51 21N	37 51E	76.7	190.4	2.181	-13.65	50.7	SO409	.07180	9.4746	1.2	A
9021	31483.86	49 40N	36 57E	80.5	190.1	2.037	-23.10	52.1	SO409	.07180	8.9877	0.6	F
9022	31486.86	49 39N	36 57E	79.3	190.1	2.037	-22.75	52.1	SO409	.07180	9.2518	0.4	V
9023	31489.66	49 40N	36 57E	80.2	190.0	2.037	-22.75	52.1	SO409	.07180	9.0702	0.4	A
9024	31497.86	48 56N	36 21E	85.6	189.9	2.037	-31.85	52.6	SO409	.07180	8.5750	0.6	V
9025	31501.06	48 56N	36 21E	86.2	189.9	2.037	-31.50	52.6	SO409	.05390	8.4430	0.6	A
9026	31513.06	47 32N	37 33E	77.8	189.7	2.530	13.30	54.2	SO409	.07180	9.3508	0.8	F
9027	31518.66	47 32N	37 32E	77.9	189.6	2.390	14.00	54.2	SO409	.07180	9.3013	0.8	A
9028	31524.46	46 59N	37 1E	74.2	189.6	2.530	3.15	54.6	SO409	.07180	9.8955	0.4	V
9029	31527.26	46 59N	37 1E	75.1	189.5	2.530	3.50	54.6	SO409	.07180	9.6562	0.4	A
9030	31549.86	45 9N	35 32E	81.4	189.3	2.181	-25.55	55.9	SO409	.07180	8.8721	0.6	F
9031	31552.86	45 9N	35 32E	80.2	189.2	2.181	-25.20	56.0	SO409	.07180	9.1445	0.6	V

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV	FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
2028	9032	31555.86	45 9N	35 32E	81.0	189.2	2.390	-25.20	56.0	S0409	.07180	8.9794	0.4	A
	9033	31751.86	31 16N	32 19E	79.9	187.6	2.738	-23.10	66.5	S0409	.07180	9.0537	0.4	F
	9034	31754.66	31 16N	32 19E	78.8	187.6	2.738	-22.75	66.5	S0409	.07180	9.3096	0.4	V
	9035	31761.66	30 37N	31 40E	92.8	187.6	2.390	-38.15	66.6	S0409	.03070	7.7745	0.8	F
	9036	31764.86	30 37N	31 41E	90.9	187.6	2.390	-37.45	66.6	S0409	.03070	8.0716	0.8	V
	9037	31772.46	30 7N	31 22E	97.8	187.5	2.390	-42.70	66.8	S0409	.03070	7.4939	0.8	V
	9038	31776.06	30 7N	31 22E	98.5	187.5	2.390	-42.35	66.8	S0409	.03070	7.3949	0.8	A
	9039	32611.26	27 46S	21 30E	105.6	187.3	3.232	-14.35	43.1	S0409	.05390	6.7676	0.6	F
	9040	32615.06	27 46S	21 30E	104.4	187.4	3.232	-13.65	43.1	S0409	.05390	6.9162	0.6	V
	9041	32618.86	27 45S	21 31E	106.0	187.4	3.232	-12.60	43.1	S0409	.05390	6.7181	0.8	A
	9042	32710.46	34 3S	18 46E	138.5	187.9	2.738	-40.60	36.7	S0409	.04070	5.1996	0.6	V
	9043	32715.66	34 3S	18 46E	140.0	187.9	3.092	-40.60	36.7	S0409	.04070	5.1005	0.6	A
2029	9001	36712.26	54 48N	18 23E	81.7	191.4	2.037	19.60	47.7	S0409	.07180	8.9052	0.6	F
	9002	36720.66	54 20N	17 21E	75.7	191.2	2.037	-0.70	48.0	S0409	.07180	9.5819	0.6	F
	9003	36726.06	54 20N	17 22E	75.7	191.1	2.037	0.00	48.0	S0409	.07180	9.5902	0.6	A
	9004	36735.66	53 10N	18 2E	86.7	191.0	2.037	26.95	49.3	S0409	.07180	8.4017	0.6	F
	9005	36738.86	53 9N	18 1E	85.6	190.9	2.037	26.95	49.3	S0409	.07180	8.5833	1.2	V
	9006	36742.66	53 7N	17 60E	86.9	190.8	2.037	27.30	49.3	S0409	.07180	8.3357	0.6	A
	9007	36747.66	52 22N	17 35E	84.2	190.8	2.037	24.15	50.0	S0409	.07180	8.6411	0.4	F
	9008	36755.66	51 54N	16 57E	78.3	190.6	2.390	13.30	50.3	S0409	.07180	9.2931	0.8	F
	9009	36765.26	51 34N	15 37E	77.8	190.5	2.181	-19.25	50.4	S0409	.07180	9.4334	0.4	V
	9010	36768.06	51 34N	15 37E	78.5	190.4	2.181	-18.90	50.4	S0409	.07180	9.2518	0.4	A
	9011	36776.46	50 39N	14 44E	87.8	190.3	1.826	-32.90	51.1	S0409	.05390	8.2449	0.8	F
	9012	36779.66	50 38N	14 45E	86.1	190.3	1.826	-32.20	51.1	S0409	.07180	8.5090	0.8	V
	9013	36784.86	50 5N	14 23E	91.4	190.2	1.826	-36.40	51.6	S0409	.05390	7.8818	0.6	F
	9014	36791.46	50 4N	14 23E	90.7	190.1	2.037	-36.05	51.6	S0409	.05390	8.0303	0.6	A
	9015	36798.66	49 7N	14 21E	85.7	190.0	1.826	-30.80	52.5	S0409	.05390	8.4265	0.8	F
	9016	36801.66	49 8N	14 20E	84.8	189.9	2.037	-31.15	52.5	S0409	.07180	8.6576	0.8	V
	9017	36805.66	48 51N	14 19E	83.5	189.9	2.037	-29.75	52.7	S0409	.07180	8.7896	0.6	V
	9018	36808.86	48 50N	14 19E	84.2	189.8	2.037	-29.40	52.7	S0409	.07180	8.6493	0.4	A
	9019	36835.66	46 34N	15 40E	85.6	189.5	2.181	28.35	55.2	S0409	.05390	8.5915	0.4	V
	9020	36838.86	46 34N	15 40E	87.0	189.5	2.181	28.70	55.2	S0409	.05390	8.3357	0.4	A
	9021	36851.86	45 36N	14 15E	73.6	189.3	2.530	-4.55	55.8	S0409	.07180	9.9863	0.6	V
	9022	36854.66	45 35N	14 14E	74.4	189.3	2.530	-4.20	55.8	S0409	.07180	9.7635	0.4	A
	9023	36859.86	44 53N	13 51E	75.4	189.2	2.530	-11.20	56.3	S0409	.09620	9.6067	0.6	F
	9024	36865.26	44 53N	13 51E	75.2	189.2	2.530	-10.15	56.3	S0409	.09620	9.6562	0.6	A
2030	9001	42024.06	54 37N	5 56W	87.2	191.3	1.690	-31.15	47.6	S0409	.07180	8.2862	0.6	F
	9002	42027.06	54 37N	5 56W	85.8	191.2	1.690	-30.80	47.6	S0409	.07180	8.5503	0.6	V
	9003	42030.06	54 37N	5 55W	86.4	191.2	1.690	-30.45	47.6	S0409	.07180	8.4182	0.8	A
	9004	42045.46	53 21N	6 14W	82.9	190.9	1.826	-27.65	48.7	S0409	.07180	8.6391	0.8	V
	9005	42048.46	53 21N	6 14W	83.7	190.9	2.037	-27.65	48.7	S0409	.07180	8.6906	0.8	A
2031	9001	48452.06	22 30S	44 39W	122.0	187.0	2.881	-37.80	47.4	S0409	.04070	5.8433	0.4	F
	9002	48456.46	22 30S	44 39W	120.6	187.1	3.092	-37.80	47.4	S0409	.05390	6.0084	0.4	V
	9003	48463.26	22 60S	44 27W	112.1	187.1	3.232	-30.80	47.1	S0409	.05390	6.4540	0.6	V
	9004	48467.46	22 60S	44 28W	113.6	187.1	3.439	-30.80	47.1	S0409	.05390	6.3137	0.6	A
2032	5001	54119.86	46 52S	70 44W	119.9	189.5	2.181	8.40	25.6	S0312	.04000	5.9758	0.6	V
	5002	54130.06	47 14S	70 52W	121.9	189.6	2.181	8.05	25.2	S0312	.04000	5.7860	0.8	A
	5003	54155.46	49 24S	72 47W	124.5	190.0	2.390	-15.40	22.7	S0312	.04000	5.6869	1.0	F
	5004	54161.26	49 32S	72 24W	120.7	190.0	2.390	-7.35	22.7	S0312	.04000	5.9263	0.8	V
	5005	54171.46	50 18S	71 51W	122.5	190.2	2.037	7.35	22.3	S0312	.04000	5.8355	1.0	V
	9001	53785.66	24 26S	64 51W	114.3	187.1	2.390	26.60	46.8	S0409	.05390	6.3137	1.2	V
	9002	53795.26	25 24S	64 49W	121.5	187.2	2.390	30.80	46.1	S0409	.05390	5.9093	1.2	F
	9003	53801.06	25 29S	64 56W	118.3	187.2	2.181	29.40	45.9	S0409	.05390	6.1156	1.0	V
	9004	53805.46	25 48S	64 56W	120.0	187.2	2.181	30.45	45.7	S0409	.05390	6.0249	1.2	V
	9005	53822.86	26 30S	66 56W	106.7	187.3	3.439	-21.70	44.2	S0409	.05390	6.6934	1.2	A
	9006	53840.06	27 41S	67 5W	107.2	187.4	3.439	-18.55	43.1	S0409	.05390	6.6603	1.2	A
	9007	53954.46	35 29S	68 3W	110.4	188.0	2.738	2.80	36.2	S0409	.05390	6.4128	1.0	A
	9008	54113.26	46 40S	71 10W	118.8	189.4	2.530	-2.10	25.6	S0409	.07180	5.9753	0.8	F
	9009	54176.86	50 19S	72 14W	122.8	190.3	2.037	1.05	22.1	S0409	.07180	5.7278	1.0	A
2033	9001	58405.66	22 29N	80 19W	90.0	187.1	2.738	-34.65	70.6	S0409	.05390	8.0303	0.4	F
	9002	58411.46	22 5N	80 30W	93.6	187.0	2.738	-37.80	70.6	S0409	.04070	7.7167	0.4	F
	9003	58414.66	22 5N	80 27W	90.6	187.0	2.738	-36.05	70.7	S0409	.05390	8.1046	0.6	V
	9004	58418.26	22 4N	80 31W	93.0	187.0	2.738	-37.10	70.6	S0409	.04070	7.8405	0.4	A
2034	5001	63477.26	38 23N	98 13W	74.0	188.3	2.881	-6.30	61.6	S0312	.03080	9.7974	0.8	F
	5002	63482.66	38 22N	98 14W	74.1	188.3	2.881	-5.60	61.6	S0312	.03080	9.8139	0.6	A
	9001	63477.26	38 22N	98 13W	74.1	188.3	2.881	-6.30	61.6	S0409	.05390	9.7965	0.6	F
	9002	63482.66	38 22N	98 14W	74.0	188.3	2.881	-5.60	61.6	S0409	.05390	9.8130	0.6	A
2039	9001	3400.26	52 51N	156 17E	83.3	190.9	2.181	12.95	49.3	S0409	.05390	8.7071	0.4	F
	9002	3406.26	52 51N	156 16E	83.4	190.8	2.037	13.65	49.3	S0409	.05390	8.6658	0.4	A
	9003	3459.66	48 53N	154 .4E	79.5	190.0	2.390	-3.85	52.7	S0409	.09620	9.1032	0.4	F
	9004	3465.26	48 54N	154 14E	79.5	189.9	2.390	-3.15	52.7	S0409	.09620	9.1197	0.4	A
2040	5001	8930.26	38 29N	128 6E	93.9	188.3	2.390	-35.35	61.0	S0312	.02210	7.7835	0.8	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
2040 9001	8830.06	45 8N	131 21E	80.3	189.2	2.530	9.10	56.1	S0409	.05390	9.0207	0.4	A
9002	8837.26	44 8N	131 48E	91.9	189.1	2.390	28.00	57.1	S0409	.04070	7.9148	0.8	F
9003	8838.66	44 2N	131 46E	91.9	189.1	2.390	28.00	57.2	S0409	.04070	7.9148	0.4	F
9004	8843.86	44 8N	131 48E	92.6	189.1	2.181	29.05	57.1	S0409	.04070	7.8075	1.8	A
9005	8852.66	43 1N	131 48E	99.9	189.0	2.390	35.00	58.2	S0409	.07180	7.2793	0.4	F
9006	8859.86	43 2N	131 47E	100.4	188.9	2.037	35.70	58.2	S0409	.07180	7.1885	0.4	A
9007	8869.46	42 16N	130 18E	78.0	188.8	2.738	1.05	58.4	S0409	.07180	9.4003	1.0	V
9008	8872.66	42 15N	130 18E	78.9	188.8	2.738	1.40	58.4	S0409	.07180	9.1775	0.4	A
9009	8879.26	41 27N	129 39E	80.1	188.7	2.738	-13.65	58.9	S0409	.05390	9.0207	0.6	F
9010	8885.06	41 27N	129 38E	79.9	188.7	2.738	-12.95	59.0	S0409	.05390	9.0785	0.6	A
9011	8890.66	40 41N	129 12E	83.0	188.6	2.530	-21.00	59.5	S0409	.07180	8.7153	0.6	F
9012	8893.66	40 41N	129 13E	81.6	188.6	2.530	-20.30	59.5	S0409	.07180	8.9712	0.6	V
9013	8905.06	40 12N	128 27E	95.5	188.5	2.390	-36.75	59.6	S0409	.04070	7.6094	0.6	A
9014	8921.06	38 38E	128 1E	97.8	188.4	2.037	-38.50	60.8	S0409	.04070	7.3618	0.4	F
9015	8922.66	38 32N	127 60F	97.8	188.3	2.037	-38.50	60.9	S0409	.04070	7.3618	0.8	F
9016	8925.86	38 33N	128 1E	95.7	188.3	2.037	-37.80	60.9	S0409	.04070	7.6507	0.4	V
9017	8930.26	38 28N	128 6E	93.4	188.3	2.390	-35.35	61.0	S0409	.04070	7.7828	0.4	A
2041 9001	14051.25	51 7N	111 30E	84.0	190.4	2.181	16.80	50.9	S0409	.05390	8.6246	0.6	A
9002	14231.25	38 35N	106 23E	85.6	188.3	2.390	-26.60	61.0	S0409	.05390	8.4347	0.6	F
9003	14236.85	38 29N	106 14E	86.9	188.3	2.390	-29.75	61.1	S0409	.05390	8.4265	0.6	V
9004	14239.05	38 29N	106 14E	87.6	188.3	2.390	-29.40	61.1	S0409	.05390	8.2944	0.6	A
9005	14251.25	37 25N	106 8E	83.7	188.2	2.530	-25.55	62.0	S0409	.05390	8.7484	0.8	V
9006	14254.46	37 24N	106 7E	84.5	188.2	2.738	-25.55	62.0	S0409	.05390	8.5998	0.8	A
9007	14280.05	35 31N	106 44E	79.5	188.0	2.881	10.15	63.9	S0409	.05390	9.1032	0.6	A
9008	14291.45	34 17N	106 51E	85.7	187.9	2.881	22.75	64.9	S0409	.05390	8.4843	0.4	F
9009	14296.25	33 58N	106 44E	85.6	187.9	2.881	21.35	65.2	S0409	.05390	8.5090	0.6	F
9010	14299.25	33 58N	106 44E	84.7	187.9	2.881	21.70	65.2	S0409	.05390	8.6658	0.6	V
9011	14304.46	33 51N	106 28E	82.2	187.8	2.881	14.35	65.1	S0409	.05390	8.7979	1.0	A
9012	14319.05	32 31N	105 36E	78.4	187.7	3.092	-7.35	65.8	S0409	.05390	9.2435	0.4	F
9013	14321.66	32 31N	105 36E	77.4	187.7	3.092	-7.00	65.8	S0409	.05390	9.4664	0.6	V
9014	14327.85	31 56N	105 14E	80.2	187.7	2.881	-15.75	66.0	S0409	.05390	9.0124	0.8	F
9015	14330.85	31 55N	105 13E	79.1	187.7	2.881	-15.40	66.0	S0409	.05390	9.2600	0.6	V
9016	14333.85	31 55N	105 13E	80.0	187.7	3.092	-15.40	66.1	S0409	.05390	9.0702	0.4	A
9017	14350.66	30 39N	106 1E	87.2	187.6	2.738	23.10	67.5	S0409	.05390	8.2697	0.4	A
9018	14356.46	29 48N	106 1E	91.3	187.5	2.881	27.65	68.1	S0409	.04070	7.9726	0.6	F
9019	14361.85	29 41N	105 40E	83.2	187.5	2.881	18.55	68.0	S0409	.05390	8.8144	0.4	V
9020	14373.46	28 47N	104 38E	79.8	187.4	3.092	-13.30	68.0	S0409	.05390	9.0702	0.8	F
9021	14379.05	28 48N	104 39E	79.6	187.4	3.092	-12.25	68.1	S0409	.05390	9.1197	0.8	A
9022	14383.25	28 30N	104 41E	78.9	187.4	3.092	-8.40	68.3	S0409	.05390	9.1940	1.8	A
9023	14399.65	27 1N	103 57E	83.6	187.3	2.881	-24.85	68.8	S0409	.05390	8.8328	0.6	F
9024	14409.25	26 40N	104 42E	78.7	187.3	3.092	7.00	69.6	S0409	.05390	9.1940	0.4	A
9025	14419.25	25 40N	103 43E	83.5	187.2	2.881	-23.80	69.5	S0409	.05390	8.6493	0.6	F
9026	14422.25	25 39N	103 43E	82.2	187.2	3.092	-23.45	69.5	S0409	.05390	8.9217	0.4	V
9027	14426.66	25 22N	103 28E	86.5	187.2	2.881	-29.75	69.5	S0409	.05390	8.4678	0.4	V
9028	14431.65	25 0N	103 38E	81.5	187.2	3.092	-21.70	69.8	S0409	.04070	8.9959	0.4	V
9029	14447.06	23 45N	103 16E	85.8	187.1	2.881	-26.25	70.3	S0409	.05390	8.4017	0.6	F
9030	14451.25	23 40N	103 16E	84.7	187.1	3.092	-25.20	70.3	S0409	.05390	8.6493	1.6	V
9031	14455.66	23 22N	103 13E	83.2	187.1	3.092	-25.20	70.5	S0409	.05390	8.8144	0.4	V
9032	14506.25	19 38N	103 5E	79.3	186.9	3.439	-4.20	72.0	S0409	.05390	9.1362	0.6	F
9033	14509.25	19 37N	103 4E	78.4	186.9	3.232	-3.50	72.0	S0409	.05390	9.3426	0.4	V
9034	14541.05	17 25N	102 47E	79.7	186.8	3.439	1.40	72.5	S0409	.05390	9.1940	0.6	V
9035	14544.05	17 24N	102 48E	80.8	186.8	3.439	2.10	72.5	S0409	.05390	8.9464	0.6	A
2042 9001	19277.85	56 14N	91 50E	89.6	191.9	2.037	23.10	46.2	S0409	.07180	8.0964	0.6	F
9002	19281.45	56 14N	91 41E	86.6	191.8	1.826	20.65	46.2	S0409	.07180	8.4678	0.6	V
9003	19284.65	56 14N	91 41E	87.8	191.7	1.826	21.00	46.2	S0409	.07180	8.2449	0.6	A
9004	19292.05	55 23N	90 45E	82.0	191.6	2.037	8.40	46.9	S0409	.07180	8.8391	0.6	F
9005	19294.85	55 23N	90 45E	81.1	191.5	2.037	8.75	46.9	S0409	.07180	9.0372	0.8	V
9006	19298.05	55 22N	90 45E	82.1	191.4	2.037	9.10	46.9	S0409	.07180	8.8144	0.4	A
9007	19483.85	42 12N	87 13E	96.9	188.8	2.390	33.25	58.8	S0409	.04070	7.5187	1.0	F
9008	19487.25	42 12N	87 14E	96.3	188.8	2.181	33.95	58.8	S0409	.04070	7.6342	1.0	V
9009	19872.65	15 52N	80 29E	81.0	186.8	3.232	5.95	72.7	S0409	.05390	9.0372	0.6	V
9010	19875.65	15 52N	80 29E	82.1	186.8	3.439	5.95	72.7	S0409	.05390	8.7896	0.6	A
9011	19908.65	13 10N	80 6E	83.6	186.7	3.439	9.10	72.6	S0409	.05390	8.6823	1.0	F
9012	19914.65	13 10N	80 6E	84.2	186.7	3.232	10.50	72.6	S0409	.05390	8.5668	1.0	A
2043 5001	24402.85	68 56N	75 51E	85.1	198.2	1.135	-12.95	34.0	S0312	.04000	8.5841	0.6	V
5002	24406.05	68 55N	75 52E	86.0	198.1	1.135	-12.60	34.0	S0312	.04000	8.4190	0.6	A
5003	24524.25	60 43N	71 28E	83.8	193.4	1.690	12.95	41.9	S0312	.04000	8.7327	0.8	V
5004	24527.25	60 43N	71 27E	84.8	193.3	1.690	12.95	41.9	S0312	.04000	8.5428	0.8	A
5005	24656.85	51 42N	66 17E	81.9	190.6	2.037	-14.70	50.1	S0312	.03080	8.8317	0.4	F
5006	24659.45	51 31N	66 12E	82.0	190.5	2.037	-15.05	50.2	S0312	.03080	8.8235	0.4	F
5007	24662.05	51 21N	66 8E	81.9	190.5	2.037	-15.05	50.4	S0312	.03080	8.8317	1.8	F
5008	24666.45	51 15N	66 5E	81.1	190.4	2.037	-15.40	50.5	S0312	.04000	9.0381	0.4	V
5009	24668.25	51 7N	66 2E	81.0	190.4	2.037	-15.40	50.6	S0312	.04000	9.0381	0.4	V
5010	24671.25	51 7N	66 2E	81.9	190.3	2.037	-15.05	50.6	S0312	.03080	8.8730	0.4	A
5011	24673.25	50 59N	65 59E	81.9	190.3	2.037	-15.05	50.7	S0312	.03080	8.8812	0.6	A
5012	24740.65	46 15N	63 54E	89.7	189.4	2.037	-31.15	54.7	S0312	.03080	8.1631	0.4	V
5013	24743.85	46 16N	63 54E	90.5	189.4	2.037	-30.80	54.7	S0312	.03080	8.0393	0.6	A
5014	24760.25	44 55N	65 27E	87.7	189.2	2.390	23.10	56.3	S0312	.03080	8.2539	2.0	A
5015	24869.05	37 25N	62 4E	81.5	188.2	2.738	-20.65	62.0	S0312	.02210	8.9968	0.4	V
5016	24872.05	37 25N	62 4E	82.2	188.2	2.738	-19.95	62.0	S0312	.02210	8.8565	0.4	A
5017	24987.25	28 58N	61 22E	85.3	187.5	3.092	20.30	68.5	S0312	.03080	8.5263	1.4	F
5018	24993.45	28 58N	61 20E	85.6	187.4	2.881	20.65	68.5	S0312	.03080	8.4685	1.4	A

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

4353 COMMAND INFORMATION

REV FRAME	SYSTEM TIME	PRINCIPAL RAY FRAME START LAT DG MIN	LONG DG MIN	SLT RNG NM	VEHICLE AZIMUTH DEG	CRAB DEG	ROLL DEG	SUN ELEV DEG	FILM TYPE	SLIT WIDTH INCHES	FILM SPEED IN/SEC	BURST TIME SEC	MIRROR
2044 5001	29722.05	68 8N	53 48E	83.0	197.7	1.338	-1.75	34.8	SO312	.04000	8.8070	0.6	V
5002	29725.05	68 8N	53 49E	84.0	197.5	1.338	-1.40	34.8	SO312	.04000	8.6254	0.6	A
5003	29730.05	67 38N	53 2E	83.2	197.3	1.338	-0.65	35.2	SO312	.04000	8.7904	0.6	V
5004	29733.05	67 39N	53 3E	84.1	197.1	1.338	-0.30	35.2	SO312	.04000	8.6171	0.8	A
5005	29825.05	61 23N	48 6E	84.9	193.6	1.484	-18.55	41.1	SO312	.04000	8.6171	1.0	V
5006	29828.25	61 23N	48 5E	85.9	193.5	1.484	-18.55	41.1	SO312	.04000	8.4438	1.0	A
5007	29851.25	59 26N	48 50E	84.9	192.9	1.826	16.45	43.1	SO312	.04000	8.6254	0.6	V
5008	29854.45	59 26N	48 50E	86.1	192.8	1.826	16.80	43.1	SO312	.04000	8.4190	0.6	A
5009	29884.85	56 55N	48 0E	90.8	192.1	2.037	24.50	45.5	SO312	.03080	7.9981	0.4	F
5010	29888.05	56 55N	48 1E	90.1	192.0	1.826	25.20	45.5	SO312	.03080	8.1384	0.4	V
5011	29899.05	56 9N	46 7E	81.3	191.8	1.826	-8.75	46.1	SO312	.04000	8.8895	0.4	F
5012	29904.85	56 10N	46 6E	81.3	191.6	2.037	-8.75	46.0	SO312	.04000	8.9308	0.4	A
5013	29910.65	55 30N	46 25E	80.4	191.5	2.037	5.25	46.7	SO312	.04000	9.1123	0.4	V
5014	29913.65	55 30N	46 25E	81.4	191.5	2.037	5.60	46.7	SO312	.04000	8.9060	0.4	A
5015	29927.65	54 14N	45 16E	81.3	191.2	2.037	-10.50	47.8	SO312	.04000	8.8977	1.0	F
5016	29940.25	53 18N	45 32E	80.7	191.0	2.181	4.90	48.7	SO312	.04000	8.9803	0.6	F
5017	29945.05	53 12N	45 20E	79.3	190.9	2.181	1.40	48.8	SO312	.04000	9.2362	0.8	V
5018	29948.05	53 11N	45 20E	80.3	190.8	2.181	1.75	48.8	SO312	.04000	9.0381	0.6	A
5019	29956.25	52 5N	46 1E	91.9	190.7	2.181	26.95	50.0	SO312	.03080	7.9155	0.6	F
5020	29962.45	51 42N	45 39E	88.0	190.6	2.181	22.40	50.3	SO312	.03080	8.2622	3.4	F
5021	29969.25	51 40N	45 38E	88.6	190.5	2.181	23.10	50.4	SO312	.03080	8.1879	2.8	A
5022	30003.85	48 54N	44 37E	87.5	190.0	2.390	22.05	52.8	SO312	.03080	8.3035	0.8	F
5023	30006.85	48 54N	44 37E	86.9	189.9	2.181	22.75	52.8	SO312	.03080	8.4520	0.6	V
5024	30008.45	48 48N	44 35E	86.9	189.9	2.181	22.75	52.9	SO312	.03080	8.4520	0.6	V
5025	30011.65	48 48N	44 35E	88.2	189.9	2.181	23.10	52.9	SO312	.03080	8.2209	0.6	A
5026	30025.25	47 39N	42 23E	87.3	189.7	2.037	-26.60	53.5	SO312	.03080	8.2704	0.8	F
5027	30030.05	47 31N	42 25E	84.9	189.6	2.037	-24.50	53.6	SO312	.03080	8.6254	0.8	V
5028	30033.25	47 31N	42 25E	85.7	189.6	2.037	-24.15	53.7	SO312	.03080	8.4850	0.6	A
5029	30056.25	45 27N	42 41E	79.0	189.3	2.530	-0.35	55.7	SO312	.03080	9.1784	0.6	F
5030	30059.05	45 27N	42 41E	78.1	189.3	2.530	0.00	55.7	SO312	.03080	9.3930	0.6	V
5031	30068.25	45 5N	42 0E	81.7	189.2	2.530	-17.15	55.8	SO312	.03080	8.8977	1.2	A
5032	30080.85	44 5N	43 6E	87.6	189.1	2.390	23.80	57.1	SO312	.03080	8.2622	0.8	A
5033	30096.45	42 60N	40 59E	87.8	188.9	2.181	-29.40	57.4	SO312	.03080	8.3282	0.6	V
5034	30099.65	43 0N	40 59E	88.7	188.9	2.390	-29.40	57.4	SO312	.03080	8.2044	0.6	A
5035	30109.65	41 59N	41 47E	78.1	188.8	2.738	2.10	58.6	SO312	.02210	9.3930	0.4	V
5036	30112.45	41 59N	41 47E	79.1	188.7	2.738	2.45	58.6	SO312	.02210	9.1784	0.4	A
5037	30116.85	41 41N	41 48E	78.9	188.7	2.738	5.60	58.9	SO312	.03080	9.1866	0.4	A
5038	30717.25	0 20N	32 34E	94.9	186.5	3.232	-29.40	66.2	SO312	.02210	7.6762	0.8	V
5039	30720.85	0 20N	32 34E	95.8	186.5	3.439	-29.05	66.2	SO312	.02210	7.5606	0.6	A
5040	31095.25	25 46S	27 57E	106.1	187.2	3.232	-19.95	45.1	SO312	.03080	6.7352	0.8	F
5041	31099.05	25 46S	27 57E	105.0	187.2	3.232	-19.60	45.1	SO312	.03080	6.8838	0.8	V
5042	31105.65	26 12S	27 44E	108.0	187.3	3.232	-22.75	44.7	SO312	.03080	6.6939	0.6	V
5043	31109.65	26 12S	27 45E	109.1	187.3	3.232	-22.05	44.7	SO312	.03080	6.5619	0.6	A
2045 5001	35006.05	69 24N	33 43E	85.7	199.0	1.338	8.75	33.5	SO312	.03080	8.4438	8.6	F
5002	35018.65	68 32N	33 17E	87.6	198.3	1.338	15.05	34.4	SO312	.03080	8.2539	1.0	F
5003	35024.85	68 32N	33 19E	87.9	197.9	1.338	15.75	34.4	SO312	.03080	8.2292	1.2	A
5004	35037.25	67 30N	32 30E	87.9	197.3	1.338	18.20	35.4	SO312	.04000	8.3200	0.6	V
5005	35041.25	67 13N	32 21E	88.7	197.1	1.338	19.60	35.7	SO312	.04000	8.2539	0.6	V
5006	35044.45	67 13N	32 22E	89.9	196.9	1.338	19.95	35.7	SO312	.04000	8.0476	0.6	A
5007	35158.65	59 28N	24 44E	88.2	192.9	1.484	-23.80	42.9	SO312	.04000	8.1714	0.6	F
5008	35161.65	59 29N	24 45E	87.0	192.8	1.484	-23.45	42.9	SO312	.04000	8.4025	0.6	V
5009	35164.85	59 28N	24 48E	87.2	192.7	1.690	-22.40	42.9	SO312	.04000	8.3282	1.2	A
5010	35180.85	57 58N	26 6E	86.1	192.4	1.826	19.25	44.5	SO312	.04000	8.5098	0.6	V
5011	35184.05	57 58N	26 6E	87.3	192.3	1.826	19.60	44.5	SO312	.04000	8.2952	0.6	A
5012	35195.65	56 57N	23 59E	83.7	192.0	1.826	-16.45	45.3	SO312	.04000	8.6254	0.6	F
5013	35198.65	56 56N	23 59E	82.6	191.9	1.826	-16.10	45.3	SO312	.04000	8.8647	0.8	V
5014	35205.85	56 30N	23 21E	87.2	191.8	1.690	-25.20	45.6	SO312	.04000	8.3943	0.6	V
5015	35209.05	56 30N	23 22E	88.0	191.7	1.690	-24.85	45.6	SO312	.04000	8.2539	0.6	A
5016	35218.05	55 60N	23 22E	85.3	191.6	1.826	-20.65	46.1	SO312	.04000	8.5098	0.4	A
5017	35225.65	55 0N	24 11E	80.7	191.4	2.181	7.35	47.2	SO312	.04000	9.0793	0.4	V
5018	35228.65	55 0N	24 11E	81.7	191.3	2.181	7.70	47.2	SO312	.04000	8.8730	0.4	A
5019	35238.45	54 25N	23 14E	81.1	191.1	2.181	-9.80	47.6	SO312	.04000	8.9473	0.4	A
5020	35246.05	53 45N	22 28E	84.4	191.0	2.037	-22.05	48.1	SO312	.04000	8.6666	0.8	V
5021	35249.25	53 45N	22 28E	85.2	191.0	2.037	-21.70	48.1	SO312	.03080	8.5263	0.6	A
5022	35256.85	52 50N	21 52E	89.4	190.8	1.826	-28.00	48.9	SO312	.03080	8.0641	0.6	F
5023	35259.85	52 51N	21 52E	88.1	190.8	1.826	-27.65	48.9	SO312	.03080	8.3035	0.6	V
5024	35265.85	52 11N	22 16E	81.5	190.7	2.037	-13.30	49.6	SO312	.04000	8.8730	0.6	F
5025	35268.65	52 11N	22 17E	80.4	190.6	2.037	-12.95	49.6	SO312	.04000	9.1041	1.0	V
5026	35272.05	52 9N	22 16E	81.3	190.6	2.037	-12.60	49.6	SO312	.04000	8.9308	0.6	A
5027	35278.05	51 17N	22 33E	80.0	190.5	2.390	2.10	50.5	SO312	.04000	9.0546	1.4	F
5028	35283.25	50 57N	22 17E	79.6	190.4	2.390	-2.10	50.8	SO312	.04000	9.0958	0.6	F
5029	35286.05	50 57N	22 17E	78.7	190.4	2.390	-1.75	50.8	SO312	.04000	9.3022	0.6	V
5030	35291.85	50 34N	22 3E	78.7	190.3	2.390	-4.20	51.1	SO312	.04000	9.3022	0.4	V
5031	35294.65	50 35N	22 4E	79.6	190.2	2.390	-3.85	51.1	SO312	.04000	9.1123	0.6	A
5032	35305.45	49 35N	22 14E	80.3	190.1	2.390	9.80	52.1	SO312	.04000	9.1206	0.6	V
5033	35308.45	49 35N	22 14E	81.4	190.0	2.390	10.15	52.1	SO312	.03080	8.9060	0.6	A
5034	35325.85	48 7N	20 48E	83.9	189.8	2.181	-21.35	53.1	SO312	.03080	8.6089	0.4	F

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TGT PRDG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
48	9001	1.20	74.6	6	11270NYLON		IT	3.00	1.77	1/3	23.0	23.0 - 23.0						
					11277		XT	3.06	1.81		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.03	1.79		23.5							
				12	11272NYLON		IT	3.50	1.88	0/3	25.0	25.0 - 25.0						
					11279		XT	3.38	1.86		24.5	24.5 - 24.5						
				GEOMETRIC MEAN		====>		3.44	1.87		24.7							
48	9002	1.20	74.6	6	11270NYLON		IT	3.53	1.89	1/3	24.0	24.0 - 24.0						
					11277		XT	3.53	1.88		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		3.53	1.89		23.5							
				12	11272NYLON		IT	3.50	1.83	1/3	24.0	24.0 - 24.0						
					11279		XT	3.38	1.79		24.0	23.5 - 24.0						
				GEOMETRIC MEAN		====>		3.44	1.81		24.0							
129	9001	4.20	74.8	6	10183NYLON		IT	4.25	2.04	0/3	19.0	19.0 - 19.0	15.1	15.1 - 15.1	82	82 - 82	33.0	38
					10193		XT	4.28	2.04		14.0	13.0 - 14.0	27.0	27.0 - 30.3	46	41 - 46	26.9	46
				GEOMETRIC MEAN		====>		4.26	2.04		16.3		20.2		61		29.8	42
129	9002	4.20	75.0	6	10183NYLON		IT	4.71	2.04	1/3	18.0	17.0 - 18.0	17.0	17.0 - 19.1	73	65 - 73	36.1	35
					10193		XT	4.68	2.01		13.0	13.0 - 13.0	30.3	30.3 - 30.3	41	41 - 41	30.2	41
				GEOMETRIC MEAN		====>		4.70	2.03		15.3		22.7		55		33.0	38
145	9001	1.20	74.3	6			IT				21.0	21.0 - 22.0	12.0	[redacted] - 12.0	103	103 - [redacted]		
							XT				23.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>					22.0							
145	9001	1.20	74.3	12			IT				21.5	21.5 - 22.5						
							XT				23.5	23.5 - 23.5						
				GEOMETRIC MEAN		====>					22.5							
145	9002	1.20	74.4	6			IT				24.0	24.0 - 24.0						
							XT				23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>					23.5							
				12			IT				24.5	24.0 - 25.0						
							XT				24.0	23.5 - 24.0						
				GEOMETRIC MEAN		====>					24.2							
162	9001	1.20	73.7	6	11270NYLON		IT	3.69	1.96	1/3	24.0	23.0 - 25.0						
					11277		XT	3.49	1.91		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		3.59	1.94		23.5							
				12	11272NYLON		IT	3.50	1.86	1/3	22.0	22.0 - 23.0						
					11279		XT	3.38	1.84		22.5	22.5 - 22.5						
				GEOMETRIC MEAN		====>		3.44	1.85		22.2							
162	9002	1.20	73.7	6	11270NYLON		IT	3.71	1.90	1/3	25.0	24.0 - 25.0						
					11277		XT	3.23	1.77		24.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.46	1.83		24.5							
				12	11272NYLON		IT	3.50	1.84	1/3	24.5	24.5 - 24.5						
					11279		XT	3.38	1.80		24.5	24.5 - 25.5						
				GEOMETRIC MEAN		====>		3.44	1.82		24.5							
178	9001	0.70	73.8	6	10183NYLON		IT	4.35	1.88	0/3	24.0	24.0 - 25.0						
					10193		XT	4.75	1.93		25.0	25.0 - 25.0						
				GEOMETRIC MEAN		====>		4.54	1.91		24.5							
178	9002	0.70	73.8	6	10183NYLON		IT	4.68	1.98	1/3	24.0	24.0 - 24.0						
					10193		XT	4.53	1.93		25.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>		4.61	1.96		24.5							
178	9003	1.20	73.8	6	11270NYLON		IT	3.51	1.91	1/3	23.0	23.0 - 24.0						
					11277		XT	3.29	1.86		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.40	1.88		23.5							
				12	11272NYLON		IT	3.50	1.88	0/3	24.5	24.5 - 24.5						
					11279		XT	3.38	1.86		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.44	1.87		24.2							
178	9004	1.20	73.8	6	11270NYLON		IT	3.35	1.81	1/3	24.0	23.0 - 24.0						
					11277		XT	3.16	1.77		23.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.26	1.79		23.5							

(b)(1)
(b)(3)

(b)(1)
(b)(3)

(b)(1)
(b)(3)

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TGT PROG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
				12	11272NYLON		IT	3.56	1.84	1/3	23.5	23.0 - 24.0						
					11279		XT	3.38	1.80		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		3.44	1.82		23.2							
194	5001	1.20	74.1	6	11282NYLON		IT	4.10	1.08	2/3	13.0	13.0 - 14.0	30.3	27.0 - 30.3	41	41 - 46		
					11289		XT	4.23	1.09		16.0	15.0 - 16.0	21.4	21.4 - 24.0	57	51 - 57		
				GEOMETRIC MEAN		====>		4.17	1.09		14.4		25.5		48			
260	5001	1.70	76.2	6	11122NYLON		IT	3.51	1.83	0/3	21.0	21.0 - 22.0	12.0		12.0	105	105 -	
					11129		XT	3.74	1.90		21.0	21.0 - 22.0	12.0		12.0	106	106 -	
				GEOMETRIC MEAN		====>		3.63	1.86		21.0		12.0			105		
				12	11124NYLON		IT	3.32	1.81	0/3	21.5	21.0 - 21.5			12.0	111	105 -	
					11131		XT	3.63	1.90		21.0	21.0 - 21.5			12.0	106	106 -	
				GEOMETRIC MEAN		====>		3.47	1.86		21.2					109		
260	5002	1.70	76.2	6	11122NYLON		IT	3.48	1.77	0/3	23.0	22.0 - 23.0				132	118 -	
					11129		XT	4.42	1.96		22.0	22.0 - 22.0				118	118 -	
				GEOMETRIC MEAN		====>		3.92	1.86		22.5					125		
				12	11124NYLON		IT	3.32	1.77	0/3	22.0	22.0 - 23.0				118	118 -	
					11131		XT	3.63	1.84		21.5	20.5 - 21.5			12.7	112	109 -	
				GEOMETRIC MEAN		====>		3.47	1.80		21.7					115		
260	9001	1.70	76.3	6	11122NYLON		IT	3.51	1.80	0/3	22.0	22.0 - 22.0				118	118 -	
					11129		XT	3.74	1.87		22.0	22.0 - 22.0				119	119 -	
				GEOMETRIC MEAN		====>		3.63	1.84		22.0					119		
				12	11124NYLON		IT	3.32	1.76	0/3	21.5	20.5 - 21.5			12.7	112	99 -	
					11131		XT	3.63	1.83		22.0	21.0 - 22.0			12.0	119	106 -	
				GEOMETRIC MEAN		====>		3.47	1.80		21.7					115		
260	9002	1.70	76.1	6	11122NYLON		IT	3.48	1.79	0/3	22.0	21.0 - 22.0			12.0	118	105 -	
					11129		XT	4.42	2.01		21.0	21.0 - 21.0	12.0	12.0 - 12.0	105	105 - 105	12.1	105
				GEOMETRIC MEAN		====>		3.92	1.90		21.5		13.3			111		
260	9002	1.70	76.1	12	11124NYLON		IT	3.32	1.77	0/3	22.0	21.5 - 22.5						
					11131		XT	3.63	1.83		22.5	22.5 - 22.5						
				GEOMETRIC MEAN		====>		3.47	1.80		22.2							
292	5001	-1.80	73.8	6	10183NYLON		IT	4.25	2.12	0/3	25.0	25.0 - 26.0						
					10193		XT	4.67	2.28		28.0	28.0 - 29.0						
				GEOMETRIC MEAN		====>		4.46	2.20		26.5							
292	5002	-1.80	74.0	6	10183NYLON		IT	4.11	1.96	0/3	26.0	25.0 - 26.0						
					10193		XT	4.41	2.06		27.0	27.0 - 27.0						
				GEOMETRIC MEAN		====>		4.26	2.01		26.5							
292	9001	-1.80	73.8	6	10183NYLON		IT	4.25	2.09	0/3	22.0	22.0 - 22.0						
					10193		XT	4.67	2.18		22.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		4.46	2.14		22.0							
292	9002	-1.80	74.0	6	10183NYLON		IT	4.11	1.96	0/3	22.0	22.0 - 23.0						
					10193		XT	4.41	2.01		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		4.26	1.99		22.5							
308	5001	1.70	74.5	6	11284NYLON		IT	3.88	2.66	-1/3	23.0	21.0 - 23.0		12.0	129		12.4	100
					11291		XT	3.80	2.63		21.0	20.0 - 21.0	12.0	12.0 - 13.5	102	91 - 102	13.7	89
				GEOMETRIC MEAN		====>		3.84	2.65		22.0							
308	5001	1.70	74.5	12	11286NYLON		IT	3.83	2.58	-1/3	21.5	21.5 - 22.5					13.6	9
					11293		XT	3.68	2.55		20.5	20.0 - 21.0	12.7	12.0 - 13.5	96	91 - 102	14.3	8
				GEOMETRIC MEAN		====>		3.76	2.57		21.0		12.0		102		13.9	8
308	5002	1.70	74.7	6	11284NYLON		IT	3.94	2.23	0/3	22.0	22.0 - 23.0						
					11291		XT	4.36	2.40		23.0	21.0 - 23.0						
				GEOMETRIC MEAN		====>		4.15	2.31		22.5							
				12	11286NYLON		IT	3.83	2.17	0/3	23.0	23.0 - 23.0						
					11293		XT	3.68	2.15		22.5	22.0 - 23.0						
				GEOMETRIC MEAN		====>		3.76	2.16		22.7							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE - SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TGT PROG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	SYS	TARGET EXPOSURE ERRUR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
308	9002	1.70	74.6	6	11284	NYLON	IT	3.88	2.27	0/3	23.0	22.0 - 23.0						
					11291		XT	3.80	2.24		22.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		3.84	2.26		22.5							
				12			IT				23.5	23.0 - 24.0						
							XT				22.5	22.5 - 23.5						
				GEOMETRIC MEAN		====>					23.0							
308	9003	1.70	74.7	6	11284	NYLON	IT	3.94	2.07	0/3	23.0	22.0 - 23.0						
					11291		XT	4.36	2.17		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		4.15	2.12		23.0							
				12	11286	NYLON	IT	3.83	2.01	0/3	22.5	22.5 - 22.5						
					11293		XT	3.68	1.95		23.5	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.76	1.98		23.0							
324	5001	1.20	74.6	6	11284	NYLON	IT	3.34	2.31	0/3	24.0	23.0 - 24.0						
					11291		XT	3.55	2.39		24.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.44	2.35		24.0							
				12	11286	NYLON	IT	3.83	2.44	-1/3	23.5	23.0 - 23.5						
					11293		XT	3.68	2.35		23.5	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.76	2.39		23.5							
324	5002	1.20	74.9	6	11284	NYLON	IT	3.62	2.13	0/3	23.0	23.0 - 24.0						
					11291		XT	4.69	2.51		25.0	23.0 - 25.0						
				GEOMETRIC MEAN		====>		4.12	2.31		24.0							
				12	11286	NYLON	IT	3.83	2.18	0/3	23.5	23.5 - 23.5						
					11293		XT	3.68	2.11		23.5	23.5 - 23.5						
				GEOMETRIC MEAN		====>		3.76	2.14		23.5							
324	9001	1.20	74.6	6	11284	NYLON	IT	3.34	2.01	0/3	23.0	23.0 - 23.0						
					11291		XT	3.55	2.08		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.44	2.04		23.5							
				12	11286	NYLON	IT	3.83	2.07	0/3	23.0	23.0 - 23.0						
					11293		XT	3.68	2.00		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.76	2.04		23.5							
324	9002	1.20	74.8	6	11284	NYLON	IT	3.62	1.95	0/3	23.0	23.0 - 23.0						
					11291		XT	4.69	2.28		24.0	23.0 - 25.0						
				GEOMETRIC MEAN		====>		4.12	2.11		23.5							
324	9002	1.20	74.8	12	11286	NYLON	IT	3.83	1.95	0/3	23.0	23.0 - 23.5						
					11293		XT	3.68	1.90		23.0	23.0 - 23.5						
				GEOMETRIC MEAN		====>		3.76	1.93		23.0							
341	5001	0.70	74.1	6	11270	NYLON	IT	3.05	2.02	0/3	24.0	24.0 - 25.0						
					11277		XT	2.77	1.92		24.0	23.0 - 25.0						
				GEOMETRIC MEAN		====>		2.91	1.97		24.0							
				12	11272	NYLON	IT	3.50	2.15	0/3	22.5	22.5 - 22.5						
					11279		XT	3.38	2.07		22.0	22.0 - 22.5						
				GEOMETRIC MEAN		====>		3.44	2.11		22.2							
341	5002	0.70	74.3	6	11270	NYLON	IT	3.40	2.02	0/3	23.0	22.0 - 23.0						
					11277		XT	3.44	2.04		23.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		3.42	2.03		23.0							
				12	11272	NYLON	IT	3.50	2.01	0/3	22.5	22.5 - 22.5						
					11279		XT	3.38	1.97		22.0	22.0 - 22.5						
				GEOMETRIC MEAN		====>		3.44	1.99		22.2							
341	9001	0.70	74.1	6	11270	NYLON	IT	3.05	1.99	0/3	23.0	23.0 - 24.0						
					11277		XT	2.77	1.87		24.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>		2.91	1.93		23.5							
				12	11272	NYLON	IT	3.50	2.01	0/3	22.5	22.0 - 23.0						
					11279		XT	3.38	1.99		23.0	22.5 - 23.0						
				GEOMETRIC MEAN		====>		3.44	2.00		22.7							
341	9002	0.70	74.2	6	11270	NYLON	IT	3.40	1.92	0/3	22.0	22.0 - 22.0						
					11277		XT	3.44	1.95		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.42	1.93		23.0							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
ST TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	P.K. PLATEN (MILS)	SLANT RANGE (NM)	TGT PROG	TRIBAR TGT NR	TGT MTRL		TARGET CONTRAST (:1) DIR	GRND	SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
				12	11272NYLON		IT	3.50	1.89		0/3	22.0	22.0 - 22.5						
					11279		XT	3.38	1.89			22.5	22.0 - 22.5						
				GEOMETRIC MEAN			====>	3.44	1.89			22.2							
373	5001	1.40	74.5	6	11284NYLON		IT	4.01	2.62		0/3	23.0	22.0 - 23.0					12.7	98
					11291		XT	3.67	2.45			20.0	19.0 - 21.0	13.5	12.0 - 15.1	90	81 - 102	15.1	81
				GEOMETRIC MEAN			====>	3.84	2.54			21.4						13.8	89
				12	11286NYLON		IT	3.83	2.50		-1/3	23.0	22.5 - 23.0					12.2	101
					11293		XT	3.68	2.40			20.5	20.5 - 21.0	12.7	12.0 - 12.7	96	96 - 102	13.9	88
				GEOMETRIC MEAN			====>	3.76	2.45			21.7						13.1	94
373	5002	1.40	74.7	6	11284NYLON		IT	3.72	2.20		0/3	23.0	23.0 - 24.0						
					11291		XT	3.92	2.30			22.0	21.0 - 22.0						
				GEOMETRIC MEAN			====>	3.82	2.25			22.5							
				12	11286NYLON		IT	3.83	2.20		0/3	22.5	22.0 - 23.0						
					11293		XT	3.68	2.16			21.0	21.0 - 21.5						
				GEOMETRIC MEAN			====>	3.76	2.18			21.7							
373	9001	1.40	74.5	6	11284NYLON		IT	4.01	2.22		0/3	23.0	23.0 - 24.0						
					11291		XT	3.67	2.12			25.0	24.0 - 26.0						
				GEOMETRIC MEAN			====>	3.84	2.17			24.0							
373	9001	1.40	74.5	12	11286NYLON		IT	3.83	2.08		0/3	23.0	22.0 - 23.0						
					11293		XT	3.68	2.05			23.5	23.5 - 24.0						
				GEOMETRIC MEAN			====>	3.76	2.07			23.2							
373	9002	1.40	74.6	6	11284NYLON		IT	3.72	1.96		0/3	24.0	23.0 - 24.0						
					11291		XT	3.92	2.04			23.0	23.0 - 24.0						
				GEOMETRIC MEAN			====>	3.82	2.00			23.5							
				12	11286NYLON		IT	3.83	2.01		0/3	23.0	22.5 - 23.0						
					11293		XT	3.68	1.95			22.5	22.0 - 23.0						
				GEOMETRIC MEAN			====>	3.76	1.98			22.7							
390	9001	1.40	75.0	6	11108NYLON		IT	3.43	1.97		0/3	22.0	22.0 - 23.0						
					11115		XT	3.45	2.01			23.0	22.0 - 23.0						
				GEOMETRIC MEAN			====>	3.44	1.99			22.5							
				12	11110NYLON		IT	4.04	2.13		0/3	21.5	21.5 - 22.0						
					11117		XT	3.87	2.06			22.0	21.5 - 22.5						
				GEOMETRIC MEAN			====>	3.96	2.09			21.7							
390	9002	1.40	74.3	6	11108NYLON		IT	3.43	1.81		0/3	24.0	23.0 - 24.0						
					11115		XT	3.45	1.79			24.0	24.0 - 24.0						
				GEOMETRIC MEAN			====>	3.44	1.80			24.0							
				12	11110NYLON		IT	4.04	1.91		0/3	22.5	22.5 - 23.0						
					11117		XT	3.87	1.88			22.5	22.5 - 23.5						
				GEOMETRIC MEAN			====>	3.96	1.90			22.5							
390	9003	1.40	75.3	6	11108NYLON		IT	4.15	1.78		1/3	25.0	24.0 - 25.0						
					11115		XT	4.24	1.81			22.0	22.0 - 22.0						
				GEOMETRIC MEAN			====>	4.19	1.79			23.5							
				12	11110NYLON		IT	4.04	1.81		1/3	22.0	22.0 - 22.5						
					11117		XT	3.87	1.77			21.5	21.5 - 22.0						
				GEOMETRIC MEAN			====>	3.96	1.79			21.7							
390	9004	1.40	75.5	6	11122NYLON		IT	2.86	1.78		0/3	24.0	24.0 - 24.0						
					11129		XT	2.84	1.78			23.0	23.0 - 23.0						
				GEOMETRIC MEAN			====>	2.85	1.78			23.5							
				12	11124NYLON		IT	3.32	1.86		0/3	23.0	22.5 - 23.5						
					11131		XT	3.63	1.96			22.5	22.0 - 22.5						
				GEOMETRIC MEAN			====>	3.47	1.91			22.7							
390	9005	1.40	75.7	6	11122NYLON		IT	3.55	1.93		0/3	23.0	22.0 - 23.0						
					11129		XT	3.71	1.99			22.0	22.0 - 22.0						
				GEOMETRIC MEAN			====>	3.63	1.96			22.5							
				12	11124NYLON		IT	3.32	1.82		0/3	23.0	22.5 - 23.0						
					11131		XT	3.63	1.91			22.0	22.0 - 22.0						
				GEOMETRIC MEAN			====>	3.47	1.86			22.5							

(b)(1)
(b)(3)

(b)(1)
(b)(3)

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TRIBAR TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
406	9001	1.40	74.7	6	11270NYLON		IT	3.51	2.02	0/3	24.0	23.0 - 24.0						
					11277		XT	2.93	1.84		24.0	23.0 - 25.0						
				GEOMETRIC MEAN		====>		3.20	1.93		24.0							
406	9001	1.40	74.7	12			IT				23.5	22.5 - 23.5						
							XT				23.5	23.0 - 24.0						
				GEOMETRIC MEAN		====>					23.5							
406	9002	1.40	74.7	6	11270NYLON		IT	3.44	1.94	0/3	23.0	23.0 - 23.0						
					11277		XT	3.65	2.01		23.0	22.0 - 24.0						
				GEOMETRIC MEAN		====>		3.54	1.97		23.0							
				12			IT				23.5	23.5 - 24.0						
							XT				23.5	23.0 - 23.5						
				GEOMETRIC MEAN		====>					23.5							
439	9003	1.40	73.9	6	11108NYLON		IT	3.56	1.86	0/3	24.0	23.0 - 24.0						
					11115		XT	3.31	1.82		24.0	23.0 - 25.0						
				GEOMETRIC MEAN		====>		3.43	1.84		24.0							
				12	11110NYLON		IT	4.04	1.92	0/3	23.0	22.5 - 23.0						
					11117		XT	3.87	1.89		23.0	23.0 - 23.5						
				GEOMETRIC MEAN		====>		3.96	1.91		23.0							
439	9004	1.40	74.0	6	11108NYLON		IT	4.34	2.00	0/3	23.0	23.0 - 24.0						
					11115		XT	3.78	1.87		25.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>		4.05	1.93		24.0							
				12	11110NYLON		IT	4.04	1.95	0/3	23.5	23.0 - 23.5						
					11117		XT	3.87	1.90		25.5	25.0 - 26.0						
				GEOMETRIC MEAN		====>		3.96	1.93		24.5							
439	9005	1.40	76.1	6	11122NYLON		IT	3.40	1.81	0/3	23.0	23.0 - 24.0						
					11129		XT	3.01	1.72		24.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.20	1.77		23.5							
				12	11124NYLON		IT	3.32	1.75	0/3	21.5	21.5 - 22.5						
					11131		XT	3.63	1.84		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		3.47	1.79		22.2							
439	9006	1.40	76.0	6	11122NYLON		IT	3.68	1.91	0/3	24.0	24.0 - 24.0						
					11129		XT	3.30	1.81		23.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.49	1.86		23.5							
				12	11124NYLON		IT	3.32	1.75	0/3	23.0	22.0 - 23.0						
					11131		XT	3.63	1.84		25.0	24.5 - 25.0						
				GEOMETRIC MEAN		====>		3.47	1.79		24.0							
455	9003	1.40	74.5	6	11270NYLON		IT	2.86	1.81	0/3	23.0	23.0 - 23.0						
					11277		XT	2.71	1.72		25.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>		2.78	1.76		24.0							
				12	11272NYLON		IT	3.50	1.91	0/3	23.0	22.5 - 23.0						
					11279		XT	3.38	1.88		23.5	23.5 - 24.0						
				GEOMETRIC MEAN		====>		3.44	1.90		23.2							
455	9004	1.40	73.7	6	11270NYLON		IT	2.86	1.74	0/3	23.0	23.0 - 24.0						
					11277		XT	2.71	1.70		24.0	23.0 - 25.0						
				GEOMETRIC MEAN		====>		2.78	1.72		23.5							
455	9004	1.40	73.7	12	11272NYLON		IT	3.50	1.87	0/3	24.0	23.5 - 24.5						
					11279		XT	3.38	1.84		24.0	24.0 - 24.5						
				GEOMETRIC MEAN		====>		3.44	1.85		24.0							
455	9005	1.40	74.6	6	11270NYLON		IT	3.07	1.73	0/3	22.0	22.0 - 22.0						
					11277		XT	3.78	1.94		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.41	1.83		23.0							
				12	11272NYLON		IT	3.50	1.81	0/3	23.5	23.0 - 24.0						
					11279		XT	3.38	1.78		24.0	23.5 - 24.0						
				GEOMETRIC MEAN		====>		3.44	1.79		23.7							
504	5001	1.40	74.9	6	11122NYLON		IT	3.11	1.79	0/3	24.0	24.0 - 25.0						
					11129		XT	3.71	1.99		23.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.40	1.89		23.5							

(b)(1)
(b)(3)

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
~~ST TRIBAR CORN TARGET EVALUATION DATA~~
FILM TYPE - SO312

REV	FRM	PLATEN (MILS)	P.K. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TGT MTRL	TARGET CONTRAST (:1) DIR	GRND	SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
				12	11124NYLON	IT	3.32	1.81		0/3	22.5	22.5 - 22.5						
					11131	XT	3.63	1.90			22.0	21.5 - 22.0						
				GEOMETRIC MEAN		====>	3.47	1.86			22.2							
504	5002	1.40	75.1	6	11122NYLON	IT	3.24	1.80		0/3	25.0	25.0 - 25.0						
					11129	XT	2.90	1.79			24.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>	3.07	1.75			24.5							
				12	11124NYLON	IT	3.32	1.77		0/3	25.0	25.0 - 25.0						
					11131	XT	3.63	1.85			23.5	23.0 - 23.5						
				GEOMETRIC MEAN		====>	3.47	1.81			24.2							
504	9001	1.40	75.0	6	11122NYLON	IT	3.11	1.85		0/3	24.0	23.0 - 24.0						
					11129	XT	3.71	2.04			23.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>	3.40	1.95			23.5							
				12	11124NYLON	IT	3.32	1.84		0/3	22.0	22.0 - 22.5						
					11131	XT	3.63	1.91			22.5	22.0 - 23.0						
				GEOMETRIC MEAN		====>	3.47	1.87			22.2							
504	9002	1.40	75.1	6	11122NYLON	IT	3.24	1.84		0/3	24.0	23.0 - 24.0						
					11129	XT	2.90	1.72			23.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>	3.07	1.78			23.5							
				12	11124NYLON	IT	3.32	1.80		0/3	21.5	21.5 - 22.0						
					11131	XT	3.63	1.89			22.0	22.0 - 22.5						
				GEOMETRIC MEAN		====>	3.47	1.84			21.7							
553	9003	0.90	75.3	6	11122NYLON	IT	2.73	1.65		0/3	23.0	23.0 - 24.0						
					11129	XT	2.86	1.70			25.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>	2.79	1.68			24.0							
				12	11124NYLON	IT	3.32	1.72		0/3	23.0	22.5 - 23.0						
					11131	XT	3.63	1.80			26.5	26.0 - 26.5						
				GEOMETRIC MEAN		====>	3.47	1.76			24.7							
553	9004	0.90	75.6	6	11122NYLON	IT	3.16	1.68		0/3	24.0	24.0 - 25.0						
					11129	XT	3.50	1.75			24.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>	3.32	1.72			24.0							
553	9004	0.90	75.6	12	11124NYLON	IT	3.32	1.65		0/3	22.5	22.5 - 23.5						
					11131	XT	3.63	1.73			24.0	23.5 - 24.0						
				GEOMETRIC MEAN		====>	3.47	1.69			23.2							
569	9001	1.90	74.9	6	11122NYLON	IT	3.48	1.83		0/3	22.0	22.0 - 22.0						
					11129	XT	3.23	1.78			23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>	3.35	1.80			22.5							
				12	11124NYLON	IT	3.32	1.74		0/3	21.5	21.5 - 21.5						
					11131	XT	3.63	1.80			21.5	21.5 - 22.0						
				GEOMETRIC MEAN		====>	3.47	1.77			21.5							
569	9002	1.90	74.9	6	11122NYLON	IT	3.26	1.74		0/3	23.0	22.0 - 23.0						
					11129	XT	3.57	1.83			22.0	20.0 - 23.0						
				GEOMETRIC MEAN		====>	3.41	1.79			22.5							
				12	11124NYLON	IT	3.42	1.72		0/3	23.0	22.5 - 23.0						
					11131	XT	3.63	1.77			21.5	21.5 - 22.5						
				GEOMETRIC MEAN		====>	3.47	1.74			22.2							
602	9001	1.40	73.5	6	11108NYLON	IT	3.61	2.07		0/3	23.0	23.0 - 24.0						
					11115	XT	3.55	2.05			26.0	25.0 - 26.0						
				GEOMETRIC MEAN		====>	3.58	2.06			24.5							
				12	11110NYLON	IT	4.04	2.24		0/3	24.5	24.5 - 24.5						
					11117	XT	3.87	2.19			24.0	24.0 - 24.5						
				GEOMETRIC MEAN		====>	3.96	2.21			24.2							
602	9002	1.40	73.6	6	11108NYLON	IT	3.53	1.94		0/3	27.0	27.0 - 27.0						
					11115	XT	3.36	1.93			27.0	26.0 - 28.0						
				GEOMETRIC MEAN		====>	3.44	1.93			27.0							
				12	11110NYLON	IT	4.04	2.07		0/3	25.0	24.0 - 25.0						
					11117	XT	3.87	2.03			26.0	25.5 - 26.0						
				GEOMETRIC MEAN		====>	3.96	2.05			25.5							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

~~Top Secret GAMBIT~~

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE 5O312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TGT PROG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	SYS	TARGET EXPOSURE ERRUR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
634	9001	4.40	73.4	6	10183NYLON		IT	4.08	2.18	0/3	20.0	19.0 - 21.0	13.5	12.0 - 15.1	90	80 - 101	30.4	40
					10193		XT	4.11	2.21		13.0	13.0 - 13.0	30.3	30.3 - 30.3	40	40 - 40	31.2	39
			GEOMETRIC MEAN			====>		4.10	2.19		16.1		20.2		60		30.8	39
634	9002	4.40	73.5	6	10183NYLON		IT	4.54	2.35	0/3	19.0	18.0 - 19.0	15.1	15.1 - 17.0	81	72 - 81	34.3	36
					10193		XT	4.14	2.20		13.0	13.0 - 13.0	30.3	30.3 - 30.3	40	40 - 40	31.3	39
			GEOMETRIC MEAN			====>		4.33	2.27		15.7		21.4		57		32.8	37
634	9003	1.40	74.2	6	11270NYLON		IT	3.46	2.02	0/3	24.0	23.0 - 24.0						
					11277		XT	3.52	2.04		25.0	25.0 - 25.0						
			GEOMETRIC MEAN			====>		3.49	2.03		24.5							
				12	11272NYLON		IT	3.50	1.96	0/3	23.5	23.0 - 24.0						
					11279		XT	3.38	1.93		24.5	24.5 - 24.5						
			GEOMETRIC MEAN			====>		3.44	1.95		24.0							
634	9004	1.40	74.2	6	11270NYLON		IT	3.04	1.89	0/3	25.0	24.0 - 25.0						
					11277		XT	2.93	1.86		24.0	23.0 - 24.0						
			GEOMETRIC MEAN			====>		2.99	1.87		24.5							
634	9004	1.40	74.2	12	11272NYLON		IT	3.50	1.89	0/3	24.0	23.5 - 24.0						
					11279		XT	3.38	1.87		24.0	23.0 - 24.0						
			GEOMETRIC MEAN			====>		3.44	1.88		24.0							
667	5003	1.40	74.9	6	11108NYLON		IT	3.12	1.65	0/3	23.0	23.0 - 23.0						
					11115		XT	2.92	1.60		23.0	23.0 - 23.0						
			GEOMETRIC MEAN			====>		3.02	1.62		23.0							
				12	11110NYLON		IT	4.04	1.77	0/3	22.0	22.0 - 22.0						
					11117		XT	3.87	1.72		22.5	22.5 - 22.5						
			GEOMETRIC MEAN			====>		3.96	1.74		22.2							
667	5004	1.40	75.2	6	11108NYLON		IT	3.78	1.68	0/3	23.0	23.0 - 24.0						
					11115		XT	3.73	1.67		23.0	22.0 - 24.0						
			GEOMETRIC MEAN			====>		3.76	1.68		23.0							
				12	11110NYLON		IT	4.04	1.73	0/3	23.5	23.0 - 24.0						
					11117		XT	3.87	1.71		22.0	21.5 - 22.5						
			GEOMETRIC MEAN			====>		3.96	1.72		22.7							
667	5005	1.40	76.1	6	11122NYLON		IT	2.56	1.51	0/3	24.0	23.0 - 25.0						
					11129		XT	2.67	1.54		24.0	24.0 - 25.0						
			GEOMETRIC MEAN			====>		2.62	1.53		24.0							
				12	11124NYLON		IT	3.32	1.60	0/3	23.5	23.5 - 24.0						
					11131		XT	3.63	1.65		23.0	22.5 - 23.5						
			GEOMETRIC MEAN			====>		3.47	1.62		23.2							
667	5006	1.40	76.5	6	11122NYLON		IT	3.20	1.59	0/3	25.0	24.0 - 25.0						
					11129		XT	3.63	1.66		25.0	24.0 - 25.0						
			GEOMETRIC MEAN			====>		3.41	1.63		25.0							
				12	11124NYLON		IT	3.32	1.56	0/3	23.0	22.5 - 23.5						
					11131		XT	3.63	1.63		23.0	22.5 - 23.5						
			GEOMETRIC MEAN			====>		3.47	1.59		23.0							
667	9003	1.40	75.0	6	11108NYLON		IT	3.12	1.70	0/3	22.0	21.0 - 22.0						
					11115		XT	2.92	1.67		22.0	22.0 - 22.0						
			GEOMETRIC MEAN			====>		3.02	1.69		22.0							
				12	11110NYLON		IT	4.04	1.78	0/3	22.0	22.0 - 23.0						
					11117		XT	3.87	1.78		22.5	22.5 - 22.5						
			GEOMETRIC MEAN			====>		3.96	1.78		22.2							
667	9004	1.40	75.2	6	11108NYLON		IT	3.78	1.75	0/3	23.0	23.0 - 24.0						
					11115		XT	3.73	1.74		22.0	22.0 - 23.0						
			GEOMETRIC MEAN			====>		3.76	1.74		22.5							
				12	11110NYLON		IT	4.04	1.81	0/3	22.5	22.5 - 23.0						
					11117		XT	3.87	1.78		22.5	22.5 - 23.0						
			GEOMETRIC MEAN			====>		3.96	1.80		22.5							
667	9005	1.40	76.1	6	11122NYLON		IT	2.56	1.59	0/3	21.0	21.0 - 21.0	12.0	12.0 - 12.0	105	105 - 105		
					11129		XT	2.67	1.63		22.0	22.0 - 22.0						
			GEOMETRIC MEAN			====>		2.62	1.61		21.5							

(b)(1)
(b)(3)

(b)(1)
(b)(3)

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TGT MTRL	TARGET CONTRAST (:1) DIR	GRND	SYS	TARGET EXPOSURE ERROR (F/STOPS)	BAR GROUP MEDIAN	BAR GROUP RANGE	VISUAL RESOLUTION 3 READER MEDIAN & RANGE GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	RP (L/MM)
667	9005	1.40	76.1	12	11124NYLON 11131	IT	3.32	1.66	0/3		22.0	21.5 - 22.5						
						XT	3.63	1.75			21.0	20.5 - 21.5	12.0	[redacted] - 12.7	105	99 - [redacted]		
					GEOMETRIC MEAN	====>		3.47	1.70		21.5							
667	9006	1.40	76.4	6	11122NYLON 11129	IT	3.20	1.66	0/3		23.0	23.0 - 23.0						
						XT	3.63	1.75			22.0	22.0 - 23.0						
					GEOMETRIC MEAN	====>		3.41	1.71		22.5							
				12	11124NYLON 11131	IT	3.32	1.65	0/3		23.0	23.0 - 23.0						
						XT	3.63	1.71			22.5	21.5 - 22.5						
					GEOMETRIC MEAN	====>		3.47	1.68		22.7							
683	5001	-1.60	74.2	6	11270NYLON 11277	IT	2.97	1.76	0/3		26.0	25.0 - 26.0						
						XT	2.96	1.78			26.0	25.0 - 26.0						
					GEOMETRIC MEAN	====>		2.97	1.78		26.0							
				12	11272NYLON 11279	IT	3.50	1.90	0/3		25.0	25.0 - 25.5						
						XT	3.38	1.87			25.5	25.5 - 25.5						
					GEOMETRIC MEAN	====>		3.44	1.89		25.2							
683	5002	-1.60	74.5	6	11270NYLON 11277	IT	3.27	1.85	0/3		24.0	24.0 - 26.0						
						XT	3.32	1.87			25.0	24.0 - 26.0						
					GEOMETRIC MEAN	====>		3.30	1.86		24.5							
				12	11272NYLON 11279	IT	3.50	1.81	0/3		23.5	23.5 - 23.5						
						XT	3.38	1.77			26.0	26.0 - 26.5						
					GEOMETRIC MEAN	====>		3.44	1.79		24.7							
683	5003	1.40	74.7	6	11122NYLON 11129	IT	2.88	1.74	0/3		24.0	23.0 - 24.0						
						XT	2.98	1.77			25.0	25.0 - 26.0						
					GEOMETRIC MEAN	====>		2.93	1.76		24.5							
				12	11124NYLON 11131	IT	3.32	1.79	0/3		23.0	23.0 - 23.0						
						XT	3.63	1.90			25.5	25.5 - 25.5						
					GEOMETRIC MEAN	====>		3.47	1.85		24.2							
683	5004	1.40	74.9	6	11122NYLON 11129	IT	3.57	1.78	0/3		23.0	23.0 - 24.0						
						XT	3.35	1.72			24.0	23.0 - 24.0						
					GEOMETRIC MEAN	====>		3.46	1.75		23.5							
				12	11124NYLON 11131	IT	3.32	1.66	0/3		23.0	23.0 - 24.0						
						XT	3.63	1.74			24.0	24.0 - 24.0						
					GEOMETRIC MEAN	====>		3.47	1.70		23.5							
683	9001	-1.60	74.2	6	11270NYLON 11277	IT	2.97	1.86	0/3		21.0	21.0 - 22.0	12.0	[redacted]	12.0	102	102 - [redacted]	
						XT	2.96	1.88			23.0	23.0 - 24.0						
					GEOMETRIC MEAN	====>		2.97	1.87		22.0							
				12	11272NYLON 11279	IT	3.50	1.95	0/3		20.5	20.5 - 21.5	12.7	[redacted]	12.7	97	[redacted]	12.4 100
						XT	3.38	1.92			21.5	21.5 - 21.5						
					GEOMETRIC MEAN	====>		3.44	1.94		21.0		12.0		102		[redacted]	
683	9002	-1.60	74.5	6	11270NYLON 11277	IT	3.27	1.94	0/3		21.0	20.0 - 22.0	12.0	[redacted] - 13.5	103	92 - [redacted]		
						XT	3.32	1.94			25.0	25.0 - 25.0						
					GEOMETRIC MEAN	====>		3.30	1.94		22.9							
683	9002	-1.60	74.5	12	11272NYLON 11279	IT	3.50	1.89	0/3		21.0	20.5 - 21.0	12.0	12.0 - 12.7	103	97 - [redacted]		
						XT	3.38	1.87			23.5	23.0 - 24.0						
					GEOMETRIC MEAN	====>		3.44	1.88		22.2							
683	9003	1.40	74.7	6	11122NYLON 11129	IT	2.88	1.81	0/3		22.0	21.0 - 22.0	[redacted]		12.0	116	103 - [redacted]	
						XT	2.98	1.82			23.0	23.0 - 24.0						
					GEOMETRIC MEAN	====>		2.93	1.82		22.5							
				12	11124NYLON 11131	IT	3.32	1.83	0/3		23.5	22.5 - 23.5						
						XT	3.63	1.90			22.5	22.5 - 23.5						
					GEOMETRIC MEAN	====>		3.47	1.87		23.0							
683	9004	1.40	74.8	6	11122NYLON 11129	IT	3.57	1.94	0/3		23.0	23.0 - 23.0						
						XT	3.35	1.89			24.0	23.0 - 24.0						
					GEOMETRIC MEAN	====>		3.46	1.91		23.5							
				12	11124NYLON 11131	IT	3.32	1.78	0/3		21.5	21.5 - 22.0						
						XT	3.63	1.87			23.0	23.0 - 23.0						
					GEOMETRIC MEAN	====>		3.47	1.82		22.2							

(b)(1)
(b)(3)

(b)(1)
(b)(3)

(b)(1)
(b)(3)

(b)(1)
(b)(3)

(b)(1)
(b)(3)

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.K. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
699	5001	1.90	74.0	6	10183NYLON		IT	3.90	2.17	0/3	22.0	22.0 - 23.0						
					10193		XT	4.03	2.19		22.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		3.96	2.18		22.0							
699	5002	1.90	74.2	6	10183NYLON		IT	4.59	2.03	0/3	23.0	23.0 - 24.0						
					10193		XT	4.41	1.98		23.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		4.50	2.00		23.0							
699	9001	1.90	74.0	6	10183NYLON		IT	3.90	2.22	0/3	21.0	21.0 - 22.0	12.0	12.0	102	102	14.4	85
					10193		XT	4.03	2.25		22.0	22.0 - 22.0					12.1	101
				GEOMETRIC MEAN		====>		3.96	2.24		21.5						13.2	93
699	9002	1.90	74.2	6	10183NYLON		IT	4.59	2.22	0/3	22.0	21.0 - 22.0		12.0	115	102	12.4	100
					10193		XT	4.41	2.17		22.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		4.50	2.20		22.0							
797	5001	0.90	75.1	6	11122NYLON		IT	2.69	1.62	0/3	24.0	23.0 - 25.0						
					11129		XT	2.79	1.66		24.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>		2.74	1.64		24.0							
				12	11124NYLON		IT	3.32	1.78	0/3	24.0	24.0 - 24.0						
					11131		XT	3.63	1.83		24.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>		3.47	1.80		24.0							
797	5002	0.90	75.4	6	11122NYLON		IT	3.09	1.63	0/3	24.0	24.0 - 24.0						
					11129		XT	3.41	1.72		27.0	26.0 - 27.0						
				GEOMETRIC MEAN		====>		3.25	1.67		25.5							
				12	11124NYLON		IT	3.32	1.63	0/3	23.0	23.0 - 23.0						
					11131		XT	3.63	1.70		25.0	25.0 - 26.0						
				GEOMETRIC MEAN		====>		3.47	1.66		24.0							
797	9001	0.90	75.2	6	11122NYLON		IT	2.69	1.73	0/3	23.0	22.0 - 24.0						
					11129		XT	2.79	1.75		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		2.74	1.74		23.5							
797	9001	0.90	75.2	12	11124NYLON		IT	3.32	1.80	0/3	22.0	21.5 - 22.0						
					11131		XT	3.63	1.92		24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.47	1.86		23.0							
797	9002	0.90	75.3	6	11122NYLON		IT	3.09	1.79	0/3	22.0	22.0 - 22.0						
					11129		XT	3.41	1.87		24.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.25	1.83		23.0							
				12	11124NYLON		IT	3.32	1.75	0/3	23.0	23.0 - 23.5						
					11131		XT	3.63	1.84		25.0	25.0 - 25.0						
				GEOMETRIC MEAN		====>		3.47	1.80		24.0							
813	5001	1.40	74.9	6	10183NYLON		IT	3.87	2.44	-1/3	23.0	23.0 - 23.0		12.0	104			
					10193		XT	4.31	2.62		26.0	25.0 - 26.0						
				GEOMETRIC MEAN		====>		4.09	2.53		24.5							
813	5002	1.40	75.1	6	10183NYLON		IT	5.02	1.55	0/3	23.0	23.0 - 23.0						
					10193		XT	4.11	1.49		22.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		4.54	1.52		22.5							
813	9001	1.40	74.9	6	10183NYLON		IT	3.87	2.00	0/3	23.0	22.0 - 23.0						
					10193		XT	4.31	2.09		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		4.09	2.05		23.0							
813	9002	1.40	75.1	6	10183NYLON		IT	5.02	1.56	0/3	22.0	22.0 - 22.0						
					10193		XT	4.11	1.49		22.0	22.0 - 22.0						
				GEOMETRIC MEAN		====>		4.54	1.52		22.0							
846	5001	1.40	75.7	6	11122NYLON		IT	3.02	1.72	0/3	24.0	23.0 - 24.0						
					11129		XT	2.94	1.71		23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		2.98	1.71		23.5							
				12	11124NYLON		IT	3.32	1.72	0/3	23.0	23.0 - 23.0						
					11131		XT	3.63	1.80		22.5	22.5 - 23.5						
				GEOMETRIC MEAN		====>		3.47	1.76		22.7							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.M. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TGT MTRL	TARGET CONTRAST (:1) DIR	GRND	SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
846	5002	1.40	75.9	6	11122NYLON	IT	3.32	1.72		0/3	24.0	23.0 - 24.0						
					11129	XT	3.26	1.68			23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		3.29	1.70		23.5							
				12	11124NYLON	IT	3.32	1.67		0/3	23.0	22.5 - 23.5						
					11131	XT	3.63	1.75			23.0	22.0 - 23.0						
				GEOMETRIC MEAN		====>		3.47	1.71		23.0							
846	9001	1.40	75.8	6	11122NYLON	IT	3.02	1.76		0/3	22.0	22.0 - 22.0						
					11129	XT	2.94	1.73			24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		2.98	1.75		23.0							
				12	11124NYLON	IT	3.32	1.75		0/3	22.0	22.0 - 22.0						
					11131	XT	3.63	1.81			23.5	23.5 - 23.5						
				GEOMETRIC MEAN		====>		3.47	1.78		22.7							
846	9002	1.40	75.8	6	11122NYLON	IT	3.32	1.77		0/3	22.0	22.0 - 22.0						
					11129	XT	3.26	1.74			23.0	23.0 - 23.0						
				GEOMETRIC MEAN		====>		3.29	1.76		22.5							
846	9002	1.40	75.8	12	11124NYLON	IT	3.32	1.70		0/3	22.0	22.0 - 22.0						
					11131	XT	3.63	1.77			24.0	24.0 - 24.0						
				GEOMETRIC MEAN		====>		3.47	1.73		23.0							
894	9001	1.40	75.3	6	11284NYLON	IT	3.87	1.53		0/3	22.0	22.0 - 22.0						
					11291	XT	3.72	1.53			23.0	23.0 - 24.0						
				GEOMETRIC MEAN		====>		3.79	1.53		22.5							
				12	11286NYLON	IT	3.83	1.49		0/3	23.0	22.5 - 23.5						
					11293	XT	3.68	1.48			24.0	23.5 - 24.0						
				GEOMETRIC MEAN		====>		3.76	1.48		23.5							
894	9002	1.40	75.4	6	11284NYLON	IT	3.94	2.04		0/3	23.0	23.0 - 24.0						
					11291	XT	3.53	1.90			25.0	24.0 - 25.0						
				GEOMETRIC MEAN		====>		3.73	1.97		24.0							
				12	11286NYLON	IT	3.83	1.91		0/3	22.0	22.0 - 23.0						
					11293	XT	3.68	1.88			24.5	24.0 - 24.5						
				GEOMETRIC MEAN		====>		3.76	1.90		23.2							
895	9003	1.40	76.4	6	11120NYLON	IT	3.56	1.58		0/3	21.0	21.0 - 21.0	12.0	12.0 - 12.0	105	105 - 105		
					11127	XT	3.39	1.56			21.0	20.0 - 21.0	12.0	12.0 - 13.5	104	93 - 104		
				GEOMETRIC MEAN		====>		3.47	1.57		21.0		12.0		105			
				12	11124NYLON	IT	3.32	1.52		0/3	22.0	22.0 - 22.0						
					11131	XT	3.63	1.58			21.5	20.5 - 21.5		- 12.7				
				GEOMETRIC MEAN		====>		3.47	1.55		21.7							
895	9004	1.40	76.5	6	11120NYLON	IT	3.56	1.55		1/3	24.0	24.0 - 24.0						
					11127	XT	3.39	1.54			22.0	22.0 - 22.0						
				GEOMETRIC MEAN		====>		3.47	1.54		23.0							
				12	11124NYLON	IT	3.32	1.51		1/3	20.5	20.5 - 21.5	12.7		12.7	100	100	
					11131	XT	3.63	1.56			21.0	20.5 - 21.5	12.0		12.7	105	99	
				GEOMETRIC MEAN		====>		3.47	1.53		20.7		12.4			102		
1074	9003	-0.20	74.6	6	11122NYLON	IT	3.34	2.17		0/3	23.0	22.0 - 23.0						
					11129	XT	3.08	2.05			26.0	26.0 - 26.0						
				GEOMETRIC MEAN		====>		3.21	2.11		24.5							
				12	11124NYLON	IT	3.32	2.11		0/3	22.5	22.0 - 23.0						
					11131	XT	3.63	2.26			24.5	24.0 - 24.5						
				GEOMETRIC MEAN		====>		3.47	2.18		23.5							
1074	9004	-0.20	74.8	6	11122NYLON	IT	3.31	2.01		0/3	25.0	25.0 - 26.0						
					11129	XT	3.75	2.20			25.0	25.0 - 26.0						
				GEOMETRIC MEAN		====>		3.52	2.10		25.0							
				12	11124NYLON	IT	3.32	2.08		0/3	25.0	25.0 - 25.5						
					11131	XT	3.63	2.20			25.5	25.5 - 25.5						
				GEOMETRIC MEAN		====>		3.47	2.14		25.2							
1090	9001	1.30	74.6	6	11270NYLON	IT	3.34	2.06		0/3	24.0	23.0 - 24.0						
					11277	XT	3.40	2.10			26.0	26.0 - 26.0						
				GEOMETRIC MEAN		====>		3.37	2.08		25.0							

(b)(1)
(b)(3)

(b)(1)
(b)(3)

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.K. SLANT RANGE (NM)	TGT PROG	TRIBAR TGT NR	TGT MTRL	TARGET CONTRAST (:1) DIR	GRND	SYS	TARGET EXPOSURE ERRUR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
1090	9001	1.30	74.6	12	11272NYLON	IT	3.27	1.96		0/3	25.0	25.0 - 25.0						
					11279	XT	2.99	1.86			23.5	23.0 - 24.0						
					GEOMETRIC MEAN	====>	3.13	1.91			24.2							
1090	9002	1.30	74.8	6	11270NYLON	IT	3.09	1.90		0/3	24.0	23.0 - 25.0						
					11277	XT	3.17	1.94			27.0	27.0 - 28.0						
					GEOMETRIC MEAN	====>	3.13	1.92			25.5							
				12	11272NYLON	IT	3.27	1.94		0/3	25.0	24.5 - 25.0						
					11279	XT	2.99	1.85			26.0	26.0 - 26.5						
					GEOMETRIC MEAN	====>	3.13	1.89			25.5							
1122	9003	-0.20	74.6	6	11284NYLON	IT	3.75	1.79		0/3	23.0	22.0 - 24.0						
					11291	XT	3.86	1.79			25.0	25.0 - 26.0						
					GEOMETRIC MEAN	====>	3.80	1.79			24.0							
				12	11286NYLON	IT	3.83	1.77		0/3	22.5	22.5 - 22.5						
					11293	XT	3.68	1.72			24.0	23.5 - 24.0						
					GEOMETRIC MEAN	====>	3.76	1.75			23.2							
1122	9004	-0.20	74.7	6	11284NYLON	IT	3.85	1.75		0/3	24.0	23.0 - 25.0						
					11291	XT	4.10	1.81			25.0	25.0 - 25.0						
					GEOMETRIC MEAN	====>	3.97	1.78			24.5							
				12	11286NYLON	IT	3.83	1.74		0/3	23.5	23.0 - 23.5						
					11293	XT	3.68	1.69			24.5	24.5 - 24.5						
					GEOMETRIC MEAN	====>	3.76	1.71			24.0							
1188	9001	0.30	76.1	6	11122NYLON	IT	2.77	1.73		0/3	25.0	24.0 - 25.0						
					11129	XT	2.91	1.79			26.0	25.0 - 27.0						
					GEOMETRIC MEAN	====>	2.83	1.76			25.5							
				12	11124NYLON	IT	3.32	1.87		0/3	24.5	24.0 - 25.0						
					11131	XT	3.63	1.97			25.5	25.5 - 25.5						
					GEOMETRIC MEAN	====>	3.47	1.92			25.0							
1188	9002	0.30	76.5	6	11122NYLON	IT	3.30	1.83		0/3	24.0	23.0 - 24.0						
					11129	XT	3.22	1.79			28.0	28.0 - 28.0						
					GEOMETRIC MEAN	====>	3.26	1.81			25.9							
				12	11124NYLON	IT	3.32	1.79		0/3	25.0	24.5 - 25.0						
					11131	XT	3.63	1.88			26.5	26.5 - 26.5						
					GEOMETRIC MEAN	====>	3.47	1.83			25.7							
1204	9001	-0.20	74.2	6	11270NYLON	IT	3.24	2.00		0/3	24.0	23.0 - 24.0						
					11277	XT	3.04	1.94			25.0	24.0 - 26.0						
					GEOMETRIC MEAN	====>	3.14	1.97			24.5							
1204	9002	-0.20	74.3	6	11270NYLON	IT	3.25	1.93		0/3	25.0	24.0 - 25.0						
					11277	XT	3.29	1.92			27.0	27.0 - 28.0						
					GEOMETRIC MEAN	====>	3.27	1.92			26.0							
1220	9001	-0.70	74.6	6	10183NYLON	IT	4.00	2.38		0/3	24.0	23.0 - 24.0						
					10193	XT	4.24	2.43			24.0	24.0 - 25.0						
					GEOMETRIC MEAN	====>	4.12	2.40			24.0							
1220	9002	-0.70	74.7	6	10183NYLON	IT	4.48	2.44		0/3	24.0	24.0 - 25.0						
					10193	XT	4.35	2.37			26.0	26.0 - 26.0						
					GEOMETRIC MEAN	====>	4.41	2.41			25.0							
1236	9003	-0.20	74.8	6	11284NYLON	IT	4.18	2.22		0/3	25.0	25.0 - 25.0						
					11291	XT	4.20	2.22			27.0	26.0 - 27.0						
					GEOMETRIC MEAN	====>	4.19	2.22			26.0							
1236	9004	-0.20	74.8	6	11284NYLON	IT	3.37	2.02		0/3	24.0	24.0 - 25.0						
					11291	XT	3.66	2.08			26.0	26.0 - 27.0						
					GEOMETRIC MEAN	====>	3.51	2.05			25.0							
1237	9001	-1.70	74.2	6	11108NYLON	IT	3.26	1.81		0/3	24.0	23.0 - 25.0						
					11115	XT	3.55	1.89			23.0	22.0 - 23.0						
					GEOMETRIC MEAN	====>	3.40	1.85			23.5							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
1237	9002	-1.70	74.1	6	11108NYLON		IT	3.84	2.01	0/3	22.0	22.0 - 23.0						
					11115		XT	3.91	2.01		25.0	24.0 - 25.0						
			GEOMETRIC MEAN			====>		3.87	2.01		23.5							
1253	9001	-0.20	75.4	6			IT				25.0	25.0 - 25.0						
							XT				29.0	28.0 - 29.0						
			GEOMETRIC MEAN			====>					26.9							
1253	9002	-0.20	75.6	6			IT				25.0	25.0 - 26.0						
							XT				27.0	27.0 - 28.0						
			GEOMETRIC MEAN			====>					26.0							
1318	9001	-0.20	74.4	6			IT				24.0	24.0 - 24.0						
							XT				26.0	25.0 - 27.0						
			GEOMETRIC MEAN			====>					25.0							
1318	9002	-0.20	74.6	6			IT				23.0	23.0 - 24.0						
							XT				27.0	27.0 - 27.0						
			GEOMETRIC MEAN			====>					24.9							
1334	9001	0.30	75.0	6	11270NYLON		IT	2.98	1.91	0/3	24.0	23.0 - 24.0						
					11277		XT	3.19	2.01		24.0	24.0 - 24.0						
			GEOMETRIC MEAN			====>		3.09	1.96		24.0							
1334	9002	0.30	75.0	6	11270NYLON		IT	2.95	1.80	0/3	24.0	23.0 - 25.0						
					11277		XT	3.15	1.90		27.0	26.0 - 27.0						
			GEOMETRIC MEAN			====>		3.05	1.85		25.5							
1350	5001	-0.20	74.7	6	11284NYLON		IT	4.04	1.91	0/3	26.0	26.0 - 26.0						
					11291		XT	3.56	1.82		27.0	27.0 - 28.0						
			GEOMETRIC MEAN			====>		3.79	1.87		26.5							
1350	5002	-0.20	74.9	6	11284NYLON		IT	4.04	1.75	1/3	25.0	24.0 - 25.0						
					11291		XT	3.56	1.68		27.0	26.0 - 28.0						
			GEOMETRIC MEAN			====>		3.79	1.71		26.0							
1350	9001	-0.20	74.8	6	11284NYLON		IT	4.04	2.07	0/3	24.0	24.0 - 24.0						
					11291		XT	3.56	1.94		25.0	25.0 - 25.0						
			GEOMETRIC MEAN			====>		3.79	2.00		24.5							
1350	9002	-0.20	74.8	6	11284NYLON		IT	4.04	1.81	0/3	24.0	24.0 - 24.0						
					11291		XT	3.56	1.73		27.0	27.0 - 27.0						
			GEOMETRIC MEAN			====>		3.79	1.77		25.5							
1383	5001	-0.70	74.4	6	10183NYLON		IT	4.19	2.21	0/3	25.0	25.0 - 25.0						
					10193		XT	4.47	2.30		29.0	29.0 - 30.0						
			GEOMETRIC MEAN			====>		4.33	2.26		26.9							
1383	5002	-0.70	74.5	6	10183NYLON		IT	4.27	2.18	0/3	25.0	24.0 - 25.0						
					10193		XT	4.52	2.27		28.0	27.0 - 29.0						
			GEOMETRIC MEAN			====>		4.40	2.23		26.5							
1383	5003	-0.20	74.5	6	11270NYLON		IT	3.49	2.21	0/3	23.0	23.0 - 24.0						
					11277		XT	3.19	2.10		26.0	26.0 - 26.0						
			GEOMETRIC MEAN			====>		3.34	2.16		24.5							
1383	5004	-0.20	74.6	6	11270NYLON		IT	3.49	2.52	2/3	24.0	24.0 - 24.0						
					11277		XT	3.19	2.44		27.0	27.0 - 28.0						
			GEOMETRIC MEAN			====>		3.34	2.48		25.5							
1383	9001	-0.70	74.5	6	10183NYLON		IT	4.19	2.25	0/3	23.0	22.0 - 24.0						
					10193		XT	4.47	2.36		25.0	24.0 - 26.0						
			GEOMETRIC MEAN			====>		4.33	2.30		24.0							
1383	9002	-0.70	74.4	6	10183NYLON		IT	4.27	2.30	0/3	24.0	23.0 - 25.0						
					10193		XT	4.52	2.37		27.0	26.0 - 28.0						
			GEOMETRIC MEAN			====>		4.40	2.34		25.5							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.M. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TRIBAR TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
1383	9003	-0.20	74.6	6	11270NYLON		IT	3.49	2.27	0/3	24.0	23.0 - 24.0						
					11277		XT	3.19	2.14		26.0	26.0 - 27.0						
			GEOMETRIC MEAN		====>			3.34	2.20		25.0							
1383	9004	-0.20	74.6	6	11270NYLON		IT	2.98	2.08	0/3	25.0	25.0 - 25.0						
					11277		XT	3.26	2.28		26.0	25.0 - 27.0						
			GEOMETRIC MEAN		====>			3.12	2.18		25.5							
1399	5001	-0.20	75.1	6	10183NYLON		IT	4.35	2.22	0/3	25.0	24.0 - 26.0						
					10193		XT	4.42	2.24		31.0	30.0 - 31.0						
			GEOMETRIC MEAN		====>			4.39	2.23		27.8							
1399	5002	-0.20	75.2	6	10183NYLON		IT	4.22	2.19	1/3	24.0	24.0 - 24.0						
					10193		XT	4.31	2.19		28.0	28.0 - 29.0						
			GEOMETRIC MEAN		====>			4.27	2.19		25.9							
1399	9001	-0.20	75.1	6	10183NYLON		IT	4.35	2.22	0/3	24.0	24.0 - 25.0						
					10193		XT	4.42	2.27		27.0	26.0 - 28.0						
			GEOMETRIC MEAN		====>			4.39	2.25		25.5							
1399	9002	-0.20	75.1	6	10183NYLON		IT	4.22	2.24	0/3	24.0	23.0 - 25.0						
					10193		XT	4.31	2.24		26.0	26.0 - 27.0						
			GEOMETRIC MEAN		====>			4.27	2.24		25.0							
1416	5001	-0.20	76.2	6	11122NYLON		IT	2.95	1.76	0/3	24.0	24.0 - 24.0						
					11129		XT	3.23	1.82		28.0	28.0 - 29.0						
			GEOMETRIC MEAN		====>			3.09	1.79		25.9							
1416	5002	-0.20	76.4	6	11122NYLON		IT	3.15	2.00	2/3	24.0	24.0 - 25.0						
					11129		XT	2.92	1.94		30.0	29.0 - 30.0						
			GEOMETRIC MEAN		====>			3.04	1.97		26.8							
1416	9001	-0.20	76.3	6	11122NYLON		IT	2.95	1.79	0/3	24.0	23.0 - 24.0						
					11129		XT	3.23	1.91		26.0	25.0 - 27.0						
			GEOMETRIC MEAN		====>			3.09	1.84		25.0							
1416	9002	-0.20	76.3	6	11122NYLON		IT	3.15	1.79	1/3	25.0	25.0 - 25.0						
					11129		XT	2.92	1.73		26.0	25.0 - 26.0						
			GEOMETRIC MEAN		====>			3.04	1.76		25.5							
1481	5001	-0.20	74.6	6	11108NYLON		IT	3.07	1.74	0/3	24.0	23.0 - 24.0						
					11115		XT	3.62	1.91		25.0	25.0 - 25.0						
			GEOMETRIC MEAN		====>			3.34	1.82		24.5							
1481	5002	-0.20	74.7	6	11108NYLON		IT	3.94	1.91	0/3	24.0	24.0 - 25.0						
					11115		XT	3.74	1.88		26.0	26.0 - 26.0						
			GEOMETRIC MEAN		====>			3.84	1.90		25.0							
1481	5003	1.30	76.1	6	11122NYLON		IT	3.16	1.84	1/3	22.0	22.0 - 22.0						
					11129		XT	3.15	1.82		26.0	25.0 - 26.0						
			GEOMETRIC MEAN		====>			3.15	1.83		23.9							
1481	5004	1.30	76.2	6	11122NYLON		IT	3.23	2.11	2/3	22.0	22.0 - 23.0						
					11129		XT	3.45	2.25		25.0	24.0 - 25.0						
			GEOMETRIC MEAN		====>			3.34	2.18		23.5							
1481	9001	-0.20	74.6	6	11108NYLON		IT	3.07	1.79	0/3	25.0	24.0 - 25.0						
					11115		XT	3.62	1.95		25.0	25.0 - 26.0						
			GEOMETRIC MEAN		====>			3.34	1.87		25.0							
1481	9002	-0.20	74.7	6	11108NYLON		IT	3.94	1.98	0/3	23.0	23.0 - 23.0						
					11115		XT	3.74	1.91		26.0	25.0 - 27.0						
			GEOMETRIC MEAN		====>			3.84	1.95		24.5							
1481	9003	1.30	76.1	6	11122NYLON		IT	3.16	1.84	0/3	23.0	23.0 - 23.0						
					11129		XT	3.15	1.86		24.0	23.0 - 24.0						
			GEOMETRIC MEAN		====>			3.15	1.85		23.5							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TRIBAR TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERRUR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
1481	9004	1.30	76.1	6	11122NYLON		IT	3.23	1.84	1/3	23.0	22.0 - 23.0						
					11129		XT	3.45	1.90		26.0	26.0 - 26.0						
					GEOMETRIC MEAN		====>	3.34	1.87		24.5							
1530	5001	-0.20	76.1	6	11122NYLON		IT	2.64	1.65	1/3	23.0	23.0 - 24.0						
					11129		XT	2.75	1.69		25.0	24.0 - 26.0						
					GEOMETRIC MEAN		====>	2.70	1.67		24.0							
1530	5002	-0.20	76.4	6	11122NYLON		IT	3.20	1.71	1/3	25.0	25.0 - 25.0						
					11129		XT	3.38	1.76		30.0	30.0 - 30.0						
					GEOMETRIC MEAN		====>	3.29	1.74		27.4							
1530	9001	-0.20	76.1	6	11122NYLON		IT	2.64	1.64	0/3	24.0	23.0 - 24.0						
					11129		XT	2.75	1.69		25.0	25.0 - 25.0						
					GEOMETRIC MEAN		====>	2.70	1.66		24.5							
1530	9002	-0.20	76.4	6	11122NYLON		IT	3.20	1.73	0/3	23.0	23.0 - 23.0						
					11129		XT	3.38	1.78		26.0	26.0 - 27.0						
					GEOMETRIC MEAN		====>	3.29	1.76		24.5							
1562	5001	-1.70	74.4	6	10183NYLON		IT	3.96	2.31	0/3	23.0	22.0 - 24.0						
					10193		XT	4.24	2.37		25.0	24.0 - 25.0						
					GEOMETRIC MEAN		====>	4.10	2.34		24.0							
1562	5002	-1.70	74.7	6	10183NYLON		IT	4.33	2.21	0/3	23.0	23.0 - 24.0						
					10193		XT	4.46	2.21		22.0	21.0 - 23.0						
					GEOMETRIC MEAN		====>	4.39	2.21		22.5							
1562	9001	-1.70	74.5	6	10183NYLON		IT	3.96	2.33	0/3	21.0	21.0 - 21.0	12.0	12.0 - 12.0	103	103 - 103	13.5	92
					10193		XT	4.24	2.42		25.0	24.0 - 25.0						
					GEOMETRIC MEAN		====>	4.10	2.37		22.9							
1562	9002	-1.70	74.6	6	10183NYLON		IT	4.33	2.28	0/3	21.0	21.0 - 22.0	12.0	- 12.0	103	103 -	13.3	93
					10193		XT	4.46	2.31		24.0	24.0 - 25.0						
					GEOMETRIC MEAN		====>	4.39	2.30		22.4							
1757	5001	-0.20	74.7	6	11284NYLON		IT	3.74	2.10	0/3	23.0	22.0 - 23.0						
					11291		XT	3.74	2.10		25.0	25.0 - 26.0						
					GEOMETRIC MEAN		====>	3.74	2.10		24.0							
1757	5002	-0.20	74.8	6	11284NYLON		IT	3.88	2.02	0/3	25.0	24.0 - 25.0						
					11291		XT	3.78	2.02		26.0	26.0 - 27.0						
					GEOMETRIC MEAN		====>	3.83	2.02		25.5							
1920	5001	-0.20	74.5	6	10183NYLON		IT	4.32	2.18	0/3	24.0	24.0 - 25.0						
					10193		XT	4.33	2.18		27.0	27.0 - 27.0						
					GEOMETRIC MEAN		====>	4.33	2.18		25.5							
1920	5002	-0.20	74.5	6	10183NYLON		IT	4.52	2.16	0/3	24.0	23.0 - 24.0						
					10193		XT	4.42	2.13		26.0	26.0 - 26.0						
					GEOMETRIC MEAN		====>	4.47	2.15		25.0							
1969	5001	-0.20	74.3	6	10183NYLON		IT	4.63	2.14	1/3	22.0	22.0 - 22.0						
					10193		XT	4.42	2.08		26.0	26.0 - 26.0						
					GEOMETRIC MEAN		====>	4.52	2.11		23.9							
1969	5002	-0.20	74.3	6	10183NYLON		IT	4.58	2.18	1/3	25.0	25.0 - 26.0						
					10193		XT	4.36	2.14		26.0	26.0 - 26.0						
					GEOMETRIC MEAN		====>	4.47	2.16		25.5							
2018	5001	-0.20	73.3	6	11270NYLON		IT	2.82	2.00	2/3	24.0	24.0 - 25.0						
					11277		XT	2.90	2.02		26.0	26.0 - 26.0						
					GEOMETRIC MEAN		====>	2.86	2.01		25.0							
2018	5002	-0.20	73.5	6	11270NYLON		IT	3.07	2.39	2/3	25.0	24.0 - 25.0						
					11277		XT	2.97	2.61		27.0	26.0 - 27.0						
					GEOMETRIC MEAN		====>	3.02	2.49		26.0							

(b)(1)
(b)(3)

(b)(1)
(b)(3)

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4352
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO312

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
2034	5001	-0.20	74.0	6			IT				24.0	24.0 - 24.0						
							XT				26.0	26.0 - 26.0						
			GEOMETRIC MEAN			====>					25.0							
2034	5002	-0.20	74.0	6			IT				26.0	26.0 - 27.0						
							XT				30.0	30.0 - 30.0						
			GEOMETRIC MEAN			====>					27.9							

(b)(1)
(b)(3)

MISSION 4353
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO315

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TGT MTRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
32	9001	0.80	75.3	6	11108NYLON		IT	3.53	1.72	1/3	24.0	24.0 - 25.0						
					11115		XT	3.88	1.79		28.0	28.0 - 28.0						
			GEOMETRIC MEAN			====>		3.70	1.75		25.9							
				12	11110NYLON		IT	4.04	1.84	0/3	23.0	23.0 - 24.0						
					11117		XT	3.87	1.76		26.0	26.0 - 27.0						
			GEOMETRIC MEAN			====>		3.96	1.80		24.5							
32	9002	0.80	75.3	6	11108NYLON		IT	4.01	1.80	1/3	23.0	23.0 - 23.0						
					11115		XT	2.67	1.51		27.0	27.0 - 27.0						
			GEOMETRIC MEAN			====>		3.27	1.65		24.9							
				12	11110NYLON		IT	4.04	1.79	1/3	24.0	23.5 - 24.5						
					11117		XT	3.87	1.77		26.0	26.0 - 26.5						
			GEOMETRIC MEAN			====>		3.96	1.78		25.0							
894	5001	1.40	75.2	6	11284NYLON		IT	3.87	2.64	-1/3	25.0	25.0 - 25.0						
					11291		XT	3.72	2.55		24.0	24.0 - 25.0						
			GEOMETRIC MEAN			====>		3.79	2.60		24.5							
				12	11286NYLON		IT	3.83	2.44	-1/3	25.0	24.5 - 25.0						
					11293		XT	3.68	2.41		25.5	25.0 - 25.5						
			GEOMETRIC MEAN			====>		3.76	2.42		25.2							
894	5002	1.40	75.5	6	11284NYLON		IT	3.94	2.73	-1/3	24.0	24.0 - 25.0						
					11291		XT	3.53	2.48		25.0	25.0 - 26.0						
			GEOMETRIC MEAN			====>		3.73	2.60		24.5							
				12	11286NYLON		IT	3.83	2.45	-1/3	24.5	24.5 - 25.0						
					11293		XT	3.68	2.38		26.0	26.0 - 26.0						
			GEOMETRIC MEAN			====>		3.76	2.42		25.2							
895	5003	1.40	76.3	6	11120NYLON		IT	3.56	1.60	0/3	24.0	23.0 - 25.0						
					11127		XT	3.39	1.62		24.0	24.0 - 25.0						
			GEOMETRIC MEAN			====>		3.47	1.61		24.0							
				12	11124NYLON		IT	3.32	1.55	0/3	23.5	23.5 - 24.5						
					11131		XT	3.63	1.62		24.0	24.0 - 25.0						
			GEOMETRIC MEAN			====>		3.47	1.58		23.7							
895	5004	1.40	76.5	6	11120NYLON		IT	3.56	1.61	0/3	22.0	22.0 - 23.0						
					11127		XT	3.39	1.59		23.0	23.0 - 24.0						
			GEOMETRIC MEAN			====>		3.47	1.60		22.5							

(b)(1)
(b)(3)

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

MISSION 4353
51 TRIBAR CORE TARGET EVALUATION DATA
FILM TYPE 5D409

REV	FRM	PLATEN (MILS)	P.B. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TRIBAR TGT MTRL	DIR	TARGET CONTRAST (:1) GRID	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (LINES) MEDIAN	GRD (LINES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION: GRD (LP)	NORMALIZED 2:1 VISUAL RESOLUTION: RP (LP/MM)
895	5004	1.40	76.5	12	11124NYLON		IT	3.32	1.53	0/3	21.5	21.5 - 22.5						
					11131		XT	3.63	1.60		22.0	22.0 - 22.5						
			GEOMETRIC MEAN			====>		3.47	1.57		21.7							
1627	9001	-0.20	74.8	6	10183NYLON		IT	4.35	2.28	-1/3	27.0	27.0 - 28.0						
					10193		XT	4.31	2.21		25.0	25.0 - 26.0						
			GEOMETRIC MEAN			====>		4.33	2.24		26.0							
1627	9002	-0.20	74.9	6	10183NYLON		IT	4.29	2.30	0/3	29.0	28.0 - 29.0						
					10193		XT	4.28	2.31		31.0	31.0 - 32.0						
			GEOMETRIC MEAN			====>		4.28	2.30		30.0							
1660	9001	0.30	75.3	6	11122NYLON		IT	2.82	1.78	0/3	28.0	27.0 - 28.0						
					11129		XT	2.71	1.74		30.0	29.0 - 31.0						
			GEOMETRIC MEAN			====>		2.76	1.76		29.0							
				12	11124NYLON		IT	3.31	1.80	-1/3	27.0	26.5 - 27.0						
					11131		XT	3.63	1.91		30.0	29.5 - 30.0						
			GEOMETRIC MEAN			====>		3.47	1.86		28.5							
1660	9002	0.30	75.5	6	11122NYLON		IT	3.37	1.90	0/3	28.0	27.0 - 28.0						
					11129		XT	3.42	1.92		27.0	26.0 - 28.0						
			GEOMETRIC MEAN			====>		3.39	1.91		27.5							
1692	9001	-0.20	75.0	6	10183NYLON		IT	4.48	2.43	-1/3	27.0	27.0 - 27.0						
					10193		XT	4.45	2.43		28.0	28.0 - 28.0						
			GEOMETRIC MEAN			====>		4.47	2.43		27.5							
1692	9002	-0.20	75.0	6	10183NYLON		IT	4.01	2.31	0/3	27.0	26.0 - 28.0						
					10193		XT	4.24	2.40		30.0	30.0 - 31.0						
			GEOMETRIC MEAN			====>		4.13	2.35		28.5							
1757	9001	-0.20	74.7	6	11284NYLON		IT	3.77	2.23	-1/3	26.0	25.0 - 26.0						
					11291		XT	3.77	2.23		27.0	27.0 - 27.0						
			GEOMETRIC MEAN			====>		3.77	2.23		26.5							
1757	9002	-0.20	74.8	6	11284NYLON		IT	3.85	2.21	0/3	28.0	28.0 - 28.0						
					11291		XT	3.81	2.19		29.0	28.0 - 30.0						
			GEOMETRIC MEAN			====>		3.83	2.20		28.5							
1806	9001	-0.20	74.8	6	10183NYLON		IT	4.16	2.43	0/3	26.0	26.0 - 27.0						
					10193		XT	4.03	2.36		29.0	29.0 - 30.0						
			GEOMETRIC MEAN			====>		4.09	2.39		27.5							
1806	9002	-0.20	74.9	6	10183NYLON		IT	4.59	2.43	0/3	28.0	27.0 - 29.0						
					10193		XT	4.37	2.34		31.0	31.0 - 31.0						
			GEOMETRIC MEAN			====>		4.48	2.38		29.5							
1823	9002	-0.70	76.7	6	11122NYLON		IT	2.63	1.64	0/3	26.0	25.0 - 26.0						
					11129		XT	2.69	1.66		27.0	26.0 - 27.0						
			GEOMETRIC MEAN			====>		2.66	1.65		26.5							
1871	9002	-0.20	74.5	6	11284NYLON		IT	3.83	1.60	0/3	25.0	24.0 - 25.0						
					11291		XT	3.70	1.58		27.0	27.0 - 27.0						
			GEOMETRIC MEAN			====>		3.77	1.59		26.0							
1920	9001	-0.20	74.5	6	10183NYLON		IT	4.35	2.29	0/3	27.0	27.0 - 28.0						
					10193		XT	4.37	2.32		27.0	26.0 - 28.0						
			GEOMETRIC MEAN			====>		4.36	2.31		27.0							
1920	9002	-0.20	74.5	6	10183NYLON		IT	4.56	2.23	0/3	26.0	26.0 - 26.0						
					10193		XT	4.46	2.20		28.0	27.0 - 29.0						
			GEOMETRIC MEAN			====>		4.51	2.22		27.0							
1969	9001	-0.20	74.3	6	10183NYLON		IT	4.68	2.28	-1/3	25.0	25.0 - 26.0						
					10193		XT	4.45	2.22		27.0	26.0 - 27.0						
			GEOMETRIC MEAN			====>		4.56	2.25		26.0							

(b)(1)
(b)(3)

Handle via
BYEMAN Channels
BYE-09345/83

Approved for Release: 2021/01/22 C05132887

~~Top Secret GAMBIT~~

MISSION 4353
5T TRIBAR CORN TARGET EVALUATION DATA
FILM TYPE SO409

REV	FRM	PLATEN (MILS)	P.R. SLANT RANGE (NM)	TRIBAR TGT PROG	TRIBAR TGT NR	TRIBAR TGT STRL	DIR	TARGET CONTRAST (:1) GRND	TARGET CONTRAST (:1) SYS	TARGET EXPOSURE ERROR (F/STOPS)	VISUAL RESOLUTION 3 READER MEDIAN & RANGE: BAR GROUP MEDIAN	BAR GROUP RANGE	GRD (INCHES) MEDIAN	GRD (INCHES) RANGE	RP (LINES/MM) MEDIAN	RP (LINES/MM) RANGE	NORMALIZED 2:1 VISUAL RESOLUTION GRD (IN)	NORMALIZED 2:1 VISUAL RESOLUTION RP (L/MM)
1969	9002	-0.20	74.2	6	10183NYLON		IT	4.62	2.15	0/3	26.0	26.0 - 26.0						
					10193		XT	4.40	2.09		30.0	29.0 - 30.0						
		GEOMETRIC MEAN				====>		4.50	2.12		27.9							
2018	9003	-0.20	73.3	6	11270NYLON		IT	2.83	1.94	0/3	25.0	25.0 - 25.0						
					11277		XT	2.91	1.99		29.0	28.0 - 29.0						
		GEOMETRIC MEAN				====>		2.87	1.97		26.9							
2018	9004	-0.20	73.4	6	11270NYLON		IT	3.05	1.96	0/3	27.0	27.0 - 28.0						
					11277		XT	2.98	1.98		31.0	30.0 - 31.0						
		GEOMETRIC MEAN				====>		3.01	1.97		28.9							
				12	11272NYLON		IT	3.26	2.06	0/3	25.0	25.0 - 25.5						
					11279		XT	2.99	1.98		30.0	30.0 - 30.0						
		GEOMETRIC MEAN				====>		3.12	2.02		27.4							
2034	9001	-0.20	74.0	6			IT				24.0	24.0 - 25.0						
							XT				26.0	26.0 - 27.0						
		GEOMETRIC MEAN				====>					25.0							
2034	9002	-0.20	74.0	6			IT				28.0	28.0 - 28.0						
							XT				26.0	25.0 - 27.0						
		GEOMETRIC MEAN				====>					27.0							

(b)(1)
(b)(3)

Handle via
BYEMAN Channels
BYE-09345/83

~~Top Secret~~

4353

Approved for Release: 2021/01/22 C05132887

APPENDIX C

GLOSSARY OF TERMS

ABHC	Adaptive Bias Health Check
ACS	Attitude Control System
APR	Approved Platen Position
BEF	Best Electrical Focus
BPF	Best Photographic Focus
BPP	Biased Platen Position
CDFR	Continuous DeFocus Record
COA	Camera Optics Assembly
CORN	Controlled Range Network
DMA	Defense Mapping Agency
DP	Duplicate Positive
EA	Ejectable Adapter
ECS	Extended Command System
EED	Electro-Explosive Device
EMPA	Electric Motor-Pump Assembly
FPLLE	Frequency Phase Locked Loop Electronics
FUTS	Full Turn S-1
GRD	Ground Resolved Distance
IFD	InFlight Disconnect
ISPS	Integrated Secondary Propulsion System
MCD	Mission Correlation Data
MPS	Main Propulsion System
MTF	Modulation Transfer Factor
NPA	Nominal Platen Adjust
OBCT	Obliquity Biased Corn Triplet
ON	Original Negative
PACS	Primary Attitude Control System
PAS	Payload Adapter Section
PET	Performance Evaluation Team
PMU	Programmable Memory Unit
PPS	Photographic Payload Section
PRG	Platen Reference Guage
PSV	Photographic Satellite Vehicle
RACS	Redundant Attitude Control System
RCFLA	Ross Corrector and Field Lens Assembly
RD	Restraint Device
RST	Roll Settling Test
[redacted]	(b)(1) (b)(3)
SBCT	Slit Biased Corn Triplet
SCF	Satellite Control Facility
SCS	Satellite Control Section
SRV	Satellite Recovery Vehicle
SST	Stereo Settling Test
SV	Satellite Vehicle
TCA	Thrust Chamber Assembly

Approved for Release: 2021/01/22 C05132887

Approved for Release: 2021/01/22 C05132887

CONVERSIONS TO METRIC (SI) EQUIVALENTS

	To convert the following:	Multiply by:	To obtain:
Volume	Cubic inches	16.3871	Cubic centimeters
	Cubic feet	0.0283	Cubic meters
		28 316.8465	Cubic centimeters
Length	Inches	2.54 *	Centimeters
	Feet	30.48 *	Centimeters
		0.3048 *	Meters
	Nautical miles	1.852 *	Kilometers
	Statute miles	1.6093	Kilometers
Pressure	Pounds per square inch	6 894.7238	Newtons per square meter
Mass (weight)	Pounds	0.4536	Kilograms
Velocity	Inches per second	2.54 *	Centimeters per second
	Feet per second	0.3048 *	Meters per second
		30.48 *	Centimeters per second
	Pounds per second	0.4536	Kilograms per second
	Pounds per minute	0.0272	Grams per second

Temperature Chart (for nominal values)

Fahrenheit	50	55	60	65	70	75	80	85	90	95	100
Celsius	10	13	16	18	21	24	27	30	32	35	38

Exact formula is :

Degrees Celsius = 5/9 (Degrees Fahrenheit - 32°)

*Numbers marked with asterisk are exact conversions.

Approved for Release: 2021/01/22 C05132887