

HANDLE VIA



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NO. [REDACTED]

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Pages

(Including Cover Sheet)

CORONA "J" FLIGHT DATA BOOK

SYSTEM NO. J-23

VEHICLE NO. 1618

MISSION NO. 1023-2

CAMERA NOS. 170 & 171

Prepared by [REDACTED]

Checked by [REDACTED]

Approved by [REDACTED]

Approved by [REDACTED]

Manager

2 SEP 1965

LOGGED [REDACTED]

Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997

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HANDLE VIA [REDACTED]  
CONTROL SYSTEM ONLY

NO. \_\_\_\_\_

SYSTEM NO. J-43  
VEHICLE NO. 161B  
MISSION NO. 1023-2  
CAMERA NOS. 170 & 171

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NO. \_\_\_\_\_

SYSTEM NO. 1723  
VEHICLE NO. 1723  
MISSION NO. 1723  
CAMERA NOS. 170, 171

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GENERAL FLIGHT DATA:

NO. [REDACTED]

Master Camera Serial No. 170

Slave Camera Serial No. 171

Stellar Index "A" Serial No. D17/19/82

Stellar Index "B" Serial No. D66/75/72

Launch Date 8/17/65

Reactivation Date N/A

Reactivation Orbit No. N/A

Orbital Parameters: (Rev. 105)

Period 90.29 Min.

Eccentricity .0170

Perigee 98.54 NM

Perigee Latitude 35.907 Deg. N

Apogee 220.66 NM

Inclination Angle 70.040 Deg. N

Recovery Orbit No. 144

Recovery Date 8/26/65

REMARKS:

CALIBRATION DATA FOR THE SUPPLY HORIZON OPTIC OF INSTRUMENT 170 AND THE TAKE-UP HORIZON OPTIC OF INSTRUMENT 171 ARE NOT AVAILABLE AT THIS SITE. THESE DATA WERE NOT SUPPLIED WITH THE CAMERA SYSTEM. THESE DATA HAVE BEEN REQUESTED FROM THE MANUFACTURER, THESE DATA WILL BE FORWARDED WHEN RECEIVED.

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HANDLE VIA  
CONTROL SYSTEM

NO. [REDACTED]

SYSTEM NO. J-23  
 VEHICLE NO. 161B  
 MISSION NO. 1023-2  
 CAMERA NOS. 170 & 171

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CYCLE PERIOD DATA:

NO. [REDACTED]

PRE-FLIGHT CYCLE PERIODS:

V/H Ramp Level	V/H Ramp Amplitude	Cycle Period Seconds		Time Up Ramp Sec
		Master	Slave	
7	3	4.514	4.520	357
7	3	2.206	2.202	1891
7	3		4.479	380
7	3		2.203	1840
7	3		4.426	409
7	3		2.202	1872

IN-FLIGHT CYCLE PERIODS

V/H Ramp Level	V/H Ramp Amplitude	Cycle Period Seconds		Orbit No.	Time Up Ramp Sec
		Master	Slave		
7	3	4.603	4.635	88	357
7	3	2.254	2.261	94	1891
7	3		4.580	104	380
7	3		2.264	110	1840
7	3		4.520	120	409
7	3		2.237	126	1872

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- A. 1023-2 LAUNCH AT 2100Z ON 08/17/65
- B. DRY
- C. FINAL PERFORMANCE ESTIMATE - PART 1

NO. [REDACTED]

OPERATIONS SUMMARY

FWD PAN CAMERA NUMBER 170													
OPN	NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM
77	5	2	5 ON	2 19 13	073 33W	598149	619887	22	17	07	00	1212	61620
			OFF	2 18 33	073 19W	598864	620628	22	17	07	10	1213	61630
81	0	0	5 ON	2 53 35	175 15E	649526	673191	22	22	58	55	1039	82735
			OFF	2 52 18	176 38E	644311	667780	22	22	59	19	1045	82759
83	3	1	80 ON	2 53 36	129 36E	648618	672250	23	01	59	37	1038	07177
			OFF	2 42 31	138 52E	613160	635460	23	02	02	46	1118	07366
84	3	1	82 ON	2 41 33	116 39E	610668	632875	23	03	33	20	1119	12800
			OFF	2 30 C0	122 32E	595076	616699	23	03	36	25	1146	12985
86	5	1	17 ON	2 63 56	043 33E	701431	727053	23	06	27	09	0921	23229
			OFF	2 61 47	048 41E	687605	712706	23	06	27	57	0942	23277
86	5	2	29 ON	2 60 C2	052 07E	677503	702222	23	06	28	33	0957	23313
			OFF	2 56 C7	058 05E	658086	682074	23	06	29	48	1022	23388
86	5	3	18 UN	2 52 C1	062 48E	641074	664421	23	06	31	02	1042	23462
			OFF	2 49 30	065 10E	632049	655058	23	06	31	46	1052	23506
86	5	4	17 ON	2 47 C0	067 14E	624123	646835	23	06	32	28	1101	23548
			OFF	2 44 31	069 04E	617170	639620	23	06	33	10	1109	23590
87	1	1	162 UN	2 60 27	028 31E	679282	704068	23	07	58	43	0952	28723
			OFF	2 38 26	049 59E	603834	625785	23	08	05	08	1125	29108
88	4	0	11 ON	1 38 45	113 03W	1053615	1092764	23	09	11	28	0139	33088
			OFF	1 41 37	111 23W	1035668	1074117	23	09	12	17	0146	33137
88	4	1	116 UN	2 54 30	014 27E	650030	673714	23	09	30	55	1028	34255
			OFF	2 38 28	027 09E	603645	625589	23	09	35	26	1124	34526
89	8	1	47 ON	3 16 C4	023 31E	729006	755669	23	11	19	58	1254	40798
			OFF	3 24 30	C26 28E	783608	812345	23	11	22	11	1308	40931
90	4	1	45 UN	2 26 37	012 59W	593823	615399	23	12	39	12	1147	45552
			OFF	2 20 C0	C10 32W	597631	619349	23	12	40	56	1158	45656
93	8	1	22 ON	2 40 32	088 08W	606929	628996	23	17	06	25	1113	61585
			OFF	2 37 31	086 26W	601813	623688	23	17	07	14	1121	61634
93	8	2	55 ON	3 23 C1	C65 21W	775730	804167	23	17	23	02	1301	62582
			OFF	3 33 32	061 00W	851941	883289	23	17	25	50	1321	62750
94	2	1	46 ON	2 64 27	140 29W	700940	726544	23	18	29	25	0907	66565
			OFF	2 58 43	128 15W	667220	691552	23	18	31	27	0958	66687
94	2	2	17 ON	2 32 34	106 49W	596415	618088	23	18	38	52	1131	67132
			OFF	2 30 C2	105 41W	595011	616632	23	18	39	32	1136	67172
99	7	1	98 ON	2 62 30	110 26E	686133	711178	24	02	01	40	0923	07300
			OFF	2 49 33	128 27E	629352	652259	24	02	05	44	1039	07544
100	9	1	128 ON	2 39 39	112 38E	605410	627420	24	03	38	46	1109	13126
			OFF	2 21 34	120 42E	598814	620577	24	03	43	33	1146	13413
101	9	1	172 UN	2 50 36	081 51E	632468	655493	24	05	06	01	1033	18361
			OFF	2 26 37	095 58E	596058	617717	24	05	12	32	1136	18752
102	1	1	34 ON	2 63 20	039 58E	690136	715331	24	06	32	14	0912	23534
			OFF	2 59 26	048 01E	668249	692619	24	06	33	36	0945	23616
133	8	1	2 UN	2 29 33	084 48E	598223	619964	27	05	20	22	1059	19222
			OFF	2 29 17	084 55E	598281	620024	26	05	20	26	1100	19226
134	1	1	180 UN	2 61 19	034 34E	665358	689619	27	06	41	32	0859	24092
			OFF	2 37 18	058 20E	600833	622672	26	06	48	33	1041	24513
135	2	1	111 ON	2 55 22	021 09E	639940	663245	27	08	13	42	0938	29622
			OFF	2 40 23	033 49E	604126	626088	26	08	17	58	1033	29878

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## OPERATIONS SUMMARY

AFT	PAN	CAMERA	NUMBER	171													
OPN	NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM				
77	5	2	5 ON	2 20 02	073 53W	598149	619887	22	17	07	00	1211	61620				
			OFF	2 19 22	073 39W	598864	620628	22	17	07	10	1212	61630				
81	0	0	5 ON	2 54 22	174 18E	649526	673191	22	22	58	55	1036	82735				
			OFF	2 53 05	175 45E	644311	667780	22	22	59	19	1042	82759				
83	3	1	80 ON	2 54 22	128 39E	648618	672250	23	01	59	37	1034	07177				
			OFF	2 43 19	138 17E	613160	635460	23	02	02	46	1115	07366				
84	3	1	82 ON	2 42 21	116 05E	610668	632875	23	03	33	20	1117	12800				
			OFF	2 30 49	122 08E	595076	616699	23	03	36	25	1145	12985				
86	5	1	17 ON	2 64 34	041 41E	701431	727053	23	06	27	09	0913	23229				
			OFF	2 62 29	047 06E	687605	712706	23	06	27	57	0936	23277				
86	5	2	29 ON	2 60 45	050 43E	677503	702222	23	06	28	33	0951	23313				
			OFF	2 56 53	057 00E	658086	682074	23	06	29	48	1017	23388				
86	5	3	18 ON	2 52 48	061 56E	641074	664421	23	06	31	02	1038	23462				
			OFF	2 50 17	064 24E	632049	655058	23	06	31	46	1049	23506				
86	5	4	17 ON	2 47 48	066 33E	624123	646835	23	06	32	28	1058	23548				
			OFF	2 45 18	068 27E	617170	639620	23	06	33	10	1106	23590				
87	1	1	162 UN	2 61 10	027 05E	679282	704068	23	07	58	43	0947	28723				
			OFF	2 39 14	049 29E	603834	625785	23	08	05	08	1123	29108				
88	4	0	11 ON	1 37 21	113 55W	1053615	1092764	23	09	11	28	0135	33088				
			OFF	1 40 16	112 18W	1035668	1074117	23	09	12	17	0143	33137				
88	4	1	116 ON	2 55 16	013 28E	650030	673714	23	09	30	55	1024	34255				
			OFF	2 39 16	026 39E	603645	625589	23	09	35	26	1122	34526				
89	8	1	47 ON	3 15 04	023 07E	729006	755669	23	11	19	58	1252	40798				
			OFF	3 23 26	026 00E	783608	812345	23	11	22	11	1306	40931				
90	4	1	45 ON	2 27 25	013 22W	593823	615399	23	12	39	12	1145	45552				
			OFF	2 20 49	010 53W	597631	619349	23	12	40	56	1157	45656				
93	8	1	22 ON	2 41 20	088 40W	606929	628996	23	17	06	25	1111	61585				
			OFF	2 38 19	086 55W	601813	623688	23	17	07	14	1119	61634				
93	8	2	55 ON	3 21 57	065 48W	775730	804167	23	17	23	02	1259	62582				
			OFF	3 32 23	061 37W	851941	883289	23	17	25	50	1319	62750				
94	2	1	46 ON	2 65 05	142 26W	700940	726544	23	18	29	25	0859	66565				
			OFF	2 59 27	129 31W	667220	691552	23	18	31	27	0953	66687				
94	2	2	17 ON	2 33 23	107 14W	596415	618088	23	18	38	52	1129	67132				
			OFF	2 30 50	106 05W	595011	616632	23	18	39	32	1135	67172				
99	9	1	96 UN	2 63 10	108 46E	686133	711178	24	02	01	40	0916	07300				
			OFF	2 50 20	127 41E	629352	652259	24	02	05	44	1036	07544				
100	9	1	126 ON	2 40 27	112 07E	605410	627420	24	03	38	46	1107	13126				
			OFF	2 22 23	120 21E	598814	620577	24	03	43	33	1144	13413				
101	9	1	172 ON	2 51 23	081 03E	632468	655493	24	05	06	01	1030	18361				
			OFF	2 27 26	095 36E	596058	617717	24	05	12	32	1134	18752				
102	1	1	144 ON	2 63 59	038 12E	690138	715334	25	06	32	14	0905	23534				
			OFF	2 45 08	063 26E	614778	637139	24	06	38	04	1051	23884				
103	1	1	112 ON	2 61 05	022 06E	672806	697348	25	08	03	35	0932	29015				
			OFF	2 46 10	039 52E	617194	639645	24	08	08	05	1047	29285				
104	1	1	11 ON	1 37 28	118 58W	1035982	1074443	25	09	16	19	0120	33379				
			OFF	1 40 25	117 19W	1017884	1055640	24	09	17	09	0127	33429				
104	3	1	21 ON	2 48 11	015 28E	622403	645050	25	09	37	48	1039	34668				
			OFF	2 45 09	017 48E	614718	637077	24	09	38	39	1049	34719				
104	3	2	29 UN	2 43 12	019 08E	610516	632717	25	09	39	11	1055	34751				
			OFF	2 39 09	021 36E	603526	625465	24	09	40	17	1106	34817				
105	2	1	21 UN	2 35 11	000 52E	599106	620880	25	11	11	38	1115	40298				

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NO.

105	2	2	49	OFF	2	32	C9	002	19E	597205	618908	24	11	12	26	1121	40346
				ON	2	29	16	003	34E	596639	618321	25	11	13	12	1127	40392
				OFF	2	22	13	006	19E	600368	622188	24	11	15	03	1140	40503
108	5	1	44	ON	2	52	08	079	23W	633645	656714	25	15	37	48	1020	56268
				OFF	2	46	07	074	09W	616536	638963	24	15	39	31	1042	56371
110	9	1	21	ON	2	38	22	114	50W	602304	624198	25	18	42	11	1102	67331
				OFF	2	35	20	113	15W	599220	620998	24	18	43	00	1109	67380
116	9	1	176	ON	2	43	17	105	19E	609301	631457	26	03	42	31	1043	13351
				OFF	2	18	16	116	45E	607846	629946	25	03	49	09	1136	13749
117	7	1	95	ON	2	52	15	075	09E	631679	654674	26	05	10	15	1010	18615
				OFF	2	39	13	084	59E	602874	624789	25	05	13	53	1053	18833
118	8	1	110	ON	2	52	16	052	20E	631455	654441	26	06	40	31	1009	24031
				OFF	2	37	15	063	15E	600633	622464	25	06	44	41	1057	24281
119	1	1	104	ON	2	58	11	022	08E	653091	676890	26	08	08	59	0937	29339
				OFF	2	44	13	036	15E	610686	632894	25	08	13	04	1038	29584
120	1	0	11	ON	1	37	22	124	03W	1020681	1058546	26	09	20	44	0104	33644
				OFF	1	40	21	122	23W	1002574	1039735	25	09	21	34	0112	33694
120	2	1	22	UN	2	52	13	006	46E	630787	653748	26	09	41	04	1008	34864
				OFF	2	49	13	009	35E	622052	644686	25	09	41	56	1020	34916
126	9	0	48	ON	2	39	59	120	44W	603228	625157	26	18	46	02	1043	67562
				OFF	2	33	12	117	12W	598034	619768	25	18	47	51	1058	67671
130	9	1	91	UN	2	57	09	132	45E	645281	668787	27	00	42	09	0933	02529
				OFF	2	46	14	143	54E	613204	635506	26	00	45	20	1020	02720
131	9	1	122	ON	2	47	11	120	21E	615129	637503	27	02	15	19	1016	08119
				OFF	2	30	10	130	06E	598134	619871	26	02	19	55	1100	08395
132	9	1	99	ON	2	36	13	104	27E	599460	621247	27	03	48	33	1046	13713
				OFF	2	22	10	110	26E	604526	626502	26	03	52	15	1114	13935
133	8	1	160	ON	2	52	06	070	22E	627350	650183	27	05	14	24	0955	18864
				OFF	2	30	06	084	31E	598280	620023	26	05	20	25	1058	19225
134	1	1	181	ON	2	62	00	033	05E	665358	689619	27	06	41	32	0853	24092
				OFF	2	38	06	057	51E	600833	622672	26	06	48	33	1040	24513
135	2	1	111	ON	2	56	07	020	08E	639940	663245	27	08	13	42	0934	29622
				OFF	2	41	10	033	17E	604126	626088	26	08	17	58	1031	29878
141	6	1	42	ON	2	25	35	096	04W	601565	623430	27	17	23	33	1059	62613
				OFF	2	19	29	093	51W	610184	632372	26	17	25	09	1109	62709
142	2	0	17	ON	2	38	59	125	03W	600984	622828	27	18	50	14	1029	67814
				OFF	2	36	32	123	44W	599211	620989	26	18	50	53	1035	67853

PHOTOGRAPHIC SUMMARY

FWD PAN CAMERA		NO	170	0.2250	SLIT	W/25	FILTER	3404 FILM				
OPN	NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI		
77	5	2	5	13.2	ON	305	82.1	39.7	12.11	12.10	11.50	10.90
					CFF	305	82.6	43.2	12.10	12.10	11.50	10.90
81	0	0	5	13.2	ON	137	44.9	6.4	10.96	12.09	11.49	10.89
					CFF	137	46.5	6.6	10.96	12.10	11.50	10.90
83	3	1	80	211.6	ON	280	44.7	5.8	11.98	12.09	11.49	10.89
					CFF	298	57.6	7.3	12.07	12.10	11.50	10.90
84	3	1	82	216.9	ON	300	58.6	7.1	12.08	12.10	11.50	10.90
					LFF	307	71.2	11.2	12.12	12.10	11.50	10.90
86	5	1	17	45.0	ON	253	30.5	4.6	11.83	11.98	11.38	10.78
					LFF	259	33.7	4.5	11.87	12.02	11.42	10.82
86	5	2	29	76.7	ON	265	36.2	4.6	11.90	12.04	11.44	10.84
					CFF	275	41.3	4.7	11.95	12.08	11.48	10.88
86	5	3	18	47.6	ON	284	46.4	5.0	12.00	12.10	11.50	10.90
					LFF	288	49.3	5.2	12.02	12.10	11.50	10.90

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HANDLE VIA CONTROL SYSTEM ONLY

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86	5	4	17	45.0	ON 293	52.2	5.4	12.05	12.10	11.50	10.90
					CFF 296	55.1	5.8	12.06	12.10	11.50	10.90
87	1	1	162	428.5	ON 264	35.5	4.3	11.90	12.03	11.43	10.83
					CFF 303	61.8	6.4	12.09	12.10	11.50	10.90
88	4	0	11	29.1	ON 146	-34.9	3.7	11.04	0.	0.	0.
					CFF 148	-31.7	3.6	11.07	0.	0.	0.
88	4	1	116	306.8	ON 275	43.2	4.2	11.95	12.09	11.49	10.89
					CFF 298	61.7	5.9	12.07	12.10	11.50	10.90
89	8	1	47	124.3	ON 240	59.7	175.0	11.76	12.10	11.50	10.90
					CFF 220	50.6	176.0	11.63	12.10	11.50	10.90
90	4	1	45	119.0	ON 302	74.4	8.6	12.09	12.10	11.50	10.90
					CFF 300	81.4	15.4	12.08	12.10	11.50	10.90
93	8	1	22	58.2	ON 297	58.9	3.4	12.07	12.10	11.50	10.90
					LFF 299	62.3	3.7	12.08	12.10	11.50	10.90
93	8	2	55	145.5	ON 222	52.7	177.2	11.65	12.10	11.50	10.90
					CFF 201	41.3	177.6	11.51	12.08	11.48	10.88
94	2	1	46	121.7	ON 249	28.9	2.6	11.81	11.96	11.36	10.76
					LFF 266	37.2	2.4	11.91	12.05	11.45	10.85
94	2	2	17	45.0	ON 302	67.6	3.9	12.09	12.10	11.50	10.90
					CFF 302	70.4	4.4	12.09	12.10	11.50	10.90
99	9	1	98	259.2	ON 263	31.4	1.2	11.89	11.99	11.39	10.79
					CFF 293	48.0	0.9	12.05	12.10	11.50	10.90
100	9	1	128	335.6	ON 306	59.2	0.5	12.11	12.10	11.50	10.90
					LFF 308	79.0	0.9	12.12	12.10	11.50	10.90
101	9	1	172	454.9	ON 292	46.6	0.3	12.04	12.10	11.50	10.90
					CFF 310	73.4	-0.1	12.13	12.10	11.50	10.90
102	1	1	34	89.9	ON 261	29.8	0.6	11.88	11.97	11.37	10.77
					CFF 272	35.4	0.3	11.94	12.03	11.43	10.83
133	8	1	2	5.3	ON 352	65.8	-16.6	12.31	12.10	11.50	10.90
					CFF 352	66.3	-17.4	12.31	12.10	11.50	10.90
134	1	1	180	476.1	ON 273	29.1	-7.3	11.95	11.96	11.36	10.76
					CFF 309	57.7	-13.3	12.12	12.10	11.50	10.90
135	2	1	111	293.6	ON 288	36.8	-8.5	12.02	12.04	11.44	10.84
					CFF 307	54.2	-12.5	12.11	12.10	11.50	10.90

PHOTOGRAPHIC SUMMARY

AFT PAN CAMERA	NC	171	0.1500	SLIT	W/21	FILTER	3404	FILM			
UPN NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI		
77	5	2	5	13.2	ON 459	81.4	35.5	12.69	12.75	12.15	11.55
					CFF 458	82.0	38.5	12.69	12.75	12.15	11.55
81	0	0	5	13.2	ON 205	43.9	5.4	11.53	12.74	12.14	11.54
					CFF 205	45.5	5.6	11.53	12.74	12.14	11.54
83	3	1	80	211.6	ON 421	43.8	4.8	12.57	12.74	12.14	11.54
					CFF 448	56.7	6.7	12.66	12.75	12.15	11.55
84	3	1	82	216.9	ON 451	57.7	6.5	12.67	12.75	12.15	11.55
					CFF 462	70.3	10.4	12.70	12.75	12.15	11.55
85	5	1	17	45.0	ON 380	29.5	2.8	12.42	12.62	12.02	11.42
					CFF 390	32.7	3.0	12.46	12.66	12.06	11.46
86	5	2	29	76.7	ON 398	35.2	3.2	12.49	12.68	12.08	11.48
					CFF 413	40.3	3.7	12.54	12.72	12.12	11.52
86	5	3	18	47.6	ON 427	45.4	4.1	12.59	12.74	12.14	11.54
					CFF 433	48.4	4.4	12.61	12.75	12.15	11.55
86	5	4	17	45.0	ON 440	51.3	4.8	12.63	12.75	12.15	11.55
					CFF 445	54.2	5.1	12.65	12.75	12.15	11.55
87	1	1	162	428.5	ON 396	34.5	2.9	12.48	12.68	12.08	11.48



88 4 0	11	29.1	CFF 455	60.9	5.8	12.68	12.75	12.15	11.55
			DN 218	-36.5	3.2	11.62	0.	0.	0.
			CFF 222	-33.3	3.0	11.65	0.	0.	0.
88 4 1	116	306.8	DN 413	42.2	3.3	12.54	12.73	12.13	11.53
			CFF 448	60.8	5.4	12.66	12.75	12.15	11.55
89 8 1	47	124.3	DN 360	60.8	175.1	12.34	12.75	12.15	11.55
			CFF 329	51.8	176.2	12.21	12.75	12.15	11.55
90 4 1	45	119.0	DN 454	73.5	7.8	12.68	12.75	12.15	11.55
			CFF 451	80.5	13.6	12.67	12.75	12.15	11.55
93 8 1	22	58.2	DN 446	58.0	2.9	12.65	12.75	12.15	11.55
			CFF 450	61.4	3.2	12.66	12.75	12.15	11.55
93 8 2	55	145.5	DN 333	53.9	177.4	12.23	12.75	12.15	11.55
			CFF 302	42.6	178.0	12.09	12.73	12.13	11.53
94 2 1	46	121.7	DN 373	27.8	0.8	12.40	12.59	11.99	11.39
			CFF 399	36.2	1.2	12.49	12.69	12.09	11.49
94 2 2	17	45.0	DN 454	66.7	3.4	12.68	12.75	12.15	11.55
			CFF 454	69.5	3.9	12.68	12.75	12.15	11.55
99 9 1	98	259.2	DN 382	30.4	-0.3	12.43	12.63	12.03	11.43
			LFF 426	47.1	0.2	12.59	12.75	12.15	11.55
100 9 1	128	338.6	DN 445	58.3	0.1	12.65	12.75	12.15	11.55
			CFF 448	78.1	0.5	12.66	12.75	12.15	11.55
101 9 1	172	454.9	DN 425	45.6	-0.4	12.58	12.74	12.14	11.54
			CFF 451	72.5	-0.4	12.67	12.75	12.15	11.55
102 1 1	144	380.9	DN 379	28.5	-0.9	12.42	12.60	12.00	11.40
			CFF 438	52.8	-0.7	12.63	12.75	12.15	11.55
103 1 1	112	296.2	DN 392	32.7	-1.0	12.47	12.66	12.06	11.46
			CFF 436	51.5	-1.0	12.62	12.75	12.15	11.55
104 1 0	11	29.1	DN 215	-38.4	-0.9	11.60	0.	0.	0.
			CFF 219	-34.8	-1.1	11.63	0.	0.	0.
104 3 1	21	55.5	DN 432	48.8	-1.1	12.61	12.75	12.15	11.55
			CFF 438	52.6	-1.4	12.63	12.75	12.15	11.55
104 3 2	29	76.7	DN 441	54.5	-1.1	12.64	12.75	12.15	11.55
			LFF 446	59.4	-1.6	12.65	12.75	12.15	11.55
105 2 1	21	55.5	DN 450	63.3	-1.8	12.67	12.75	12.15	11.55
			CFF 451	67.0	-2.5	12.67	12.75	12.15	11.55
105 2 2	49	129.6	DN 451	69.8	-2.3	12.67	12.75	12.15	11.55
			LFF 448	77.7	-4.6	12.66	12.75	12.15	11.55
108 5 1	44	116.4	DN 423	43.7	-2.2	12.58	12.74	12.14	11.54
			CFF 437	51.1	-2.7	12.62	12.75	12.15	11.55
110 9 1	21	55.5	DN 448	59.3	-3.7	12.66	12.75	12.15	11.55
			LFF 450	62.9	-4.6	12.67	12.75	12.15	11.55
110 9 2	176	465.5	DN 443	53.1	-5.4	12.64	12.75	12.15	11.55
			LFF 442	80.3	-20.1	12.64	12.75	12.15	11.55
117 7 1	95	251.3	DN 425	42.6	-4.8	12.58	12.73	12.13	11.53
			CFF 448	57.8	-6.8	12.66	12.75	12.15	11.55
118 8 1	110	291.0	DN 426	42.5	-5.1	12.59	12.73	12.13	11.53
			CFF 449	59.9	-7.6	12.66	12.75	12.15	11.55
119 1 1	104	275.1	DN 408	35.0	-5.0	12.52	12.68	12.08	11.48
			LFF 442	52.0	-6.6	12.64	12.75	12.15	11.55
120 1 0	11	29.1	DN 217	-40.0	-5.4	11.61	0.	0.	0.
			CFF 221	-36.4	-5.4	11.64	0.	0.	0.
120 2 1	22	58.2	DN 426	42.3	-5.7	12.59	12.73	12.13	11.53
			CFF 433	46.1	-6.2	12.61	12.75	12.15	11.55
126 9 0	48	127.0	DN 448	55.6	-9.5	12.66	12.75	12.15	11.55
			LFF 451	63.2	-12.3	12.67	12.75	12.15	11.55

				CONTROL SYSTEM ONLY			NO.			
130	9 1	81	214.2	ON 414	35.1	-7.9	12.55	12.68	12.08	11.48
				CFF 440	48.4	-9.7	12.63	12.75	12.15	11.55
131	9 1	122	322.7	ON 439	46.9	-9.5	12.63	12.75	12.15	11.55
				CFF 451	65.7	-16.1	12.67	12.75	12.15	11.55
132	9 1	99	261.9	ON 451	58.9	-12.9	12.67	12.75	12.15	11.55
				CFF 445	73.7	-24.8	12.65	12.75	12.15	11.55
133	8 1	160	423.2	ON 429	40.9	-9.3	12.60	12.72	12.12	11.52
				CFF 451	65.5	-17.1	12.67	12.75	12.15	11.55
134	1 1	181	478.7	ON 398	28.1	-8.5	12.49	12.60	12.00	11.40
				CFF 450	56.8	-13.3	12.66	12.75	12.15	11.55
135	2 1	111	293.6	ON 419	35.8	-9.3	12.56	12.69	12.09	11.49
				CFF 447	53.4	-12.6	12.66	12.75	12.15	11.55
141	6 1	42	111.1	ON 447	68.5	-24.0	12.66	12.75	12.15	11.55
				CFF 440	74.5	-34.5	12.63	12.75	12.15	11.55
142	2 0	17	45.0	ON 450	54.5	-15.3	12.67	12.75	12.15	11.55
				CFF 451	57.4	-16.8	12.67	12.75	12.15	11.55

STELLAR-INDEX SUMMARY

CAMERA DATA	ET	FILM	FILTER	GRID	ASSEMBLY NO	D66
STELLAR	2.C	3401	NONE	75		
INDEX	1/5CC	3400	w/21	72		

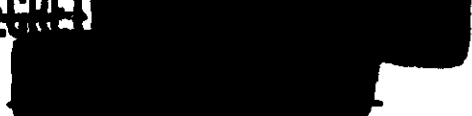
PERFORMANCE SUMMARY

OPN	NO	FR	STEL FEET	INDX FEET	H	M	S	Q	LAT	LONG	Q	LAT	LONG	SEC DUR
83	3	1	1.09	2.18	01	59	37	2	53	129E	2	42	138E	189
84	3	1	1.19	2.38	03	33	20	2	41	116E	2	30	122E	185
86	5	1	0.30	0.59	06	27	09	2	63	043E	2	61	048E	48
86	5	2	0.40	0.79	06	28	33	2	60	052E	2	56	058E	75
86	5	3	0.20	0.40	06	31	02	2	52	062E	2	49	065E	44
86	5	4	0.30	0.59	06	32	28	2	47	067E	2	44	069E	42
87	1	1	2.28	4.55	07	58	43	2	60	028E	2	38	049E	385
88	4	0	0.10	0.20	09	11	28	1	38	113W	1	41	111W	49
88	4	1	1.68	3.37	09	30	55	2	54	014E	2	38	027E	271
89	8	1	0.69	1.39	11	19	58	3	16	023E	3	24	026E	133
90	4	1	0.59	1.19	12	39	12	2	26	012W	2	20	010W	104
93	8	1	0.30	0.59	17	06	25	2	40	088W	2	37	086W	49
93	8	2	0.79	1.58	17	23	02	3	23	065W	3	33	061W	168
94	2	1	0.69	1.39	18	29	25	2	64	140W	2	58	128W	122
94	2	2	0.20	0.40	18	38	52	2	32	106W	2	30	105W	40
99	9	1	1.39	2.77	02	01	40	2	62	110E	2	49	128E	244
100	9	1	1.78	3.56	03	38	46	2	39	112E	2	21	120E	287
101	9	1	2.47	4.95	05	06	01	2	50	081E	2	26	095E	391
102	1	1	0.50	0.99	06	32	14	2	63	039E	2	59	048E	82
134	1	1	2.57	5.15	06	41	32	2	61	034E	2	37	058E	421
135	2	1	1.48	2.97	08	13	42	2	55	021E	2	40	033E	256

NOTE - OPERATION C77-05-2 ACTUALLY CONSISTED OF 21 FRAMES. THE FIRST 16 FRAMES ARE CONTAINED IN THE FIRST MISSION RECOVERY BUCKET.

NOTE - OPERATION C81-00-0 IS THE CUT AND WRAP OPERATION WHICH OCCURRED ON REV 081.

NOTE - T/M DATA INDICATE THE MASTER PANORAMIC CAMERA CEASED



NO. \_\_\_\_\_  
OPERATING DURING OPERATION 102-01-1 BUT OPERATED AGAIN  
DURING REVS 133, 134, AND 135. NO SUBSEQUENT OPERATIONS  
WERE OBSERVED.

NOTE - T/M DATA INDICATE THE SLAVE PANORAMIC CAMERA WAS OUT OF  
FILM AT THE START OF OPERATION 142-02-0.



- A. 1023-2 LAUNCH AT 2100Z ON 08/17/65
- B. DRY
- C. FINAL PERFORMANCE ESTIMATE - PART 2 (REVISED)

RATE ESTIMATE

FWD PAN CAMERA NUMBER 170

OPN NO	FR	R	A	TUR/	INST	INST	SCAN	RATE	PCT	RATE
				DUR	CPS	ANG VEL	R/SEC	I/SEC	CALIB	REQD
77 5 2	5	7	3 ON	2038	0.4561	0.03848	2.866	68.77	-1.8	0.8
			OFF	10	0.4557	0.03845	2.863	68.71	-1.8	0.8
81 0 0	5	7	3 ON	0	0.2056	0.01735	1.292	31.01	-1.8	-101.8
			OFF	24	0.2056	0.01735	1.292	31.01	-1.8	-103.5
83 3 1	80	7	3 ON	1488	0.4192	0.03537	2.634	63.21	-1.8	0.9
			OFF	189	0.4460	0.03763	2.802	67.26	-1.8	1.1
84 3 1	82	7	3 ON	1695	0.4482	0.03782	2.816	67.58	-1.8	1.2
			OFF	185	0.4591	0.03874	2.885	69.23	-1.8	0.9
86 5 1	17	7	3 ON	1287	0.3780	0.03189	2.375	57.00	-1.8	-1.2
			OFF	48	0.3879	0.03273	2.437	58.49	-1.8	-0.7
86 5 2	29	7	3 ON	1371	0.3963	0.03344	2.490	59.77	-1.8	-0.1
			OFF	75	0.4108	0.03466	2.581	61.94	-1.8	0.4
86 5 3	18	7	3 ON	1520	0.4246	0.03583	2.668	64.03	-1.8	0.9
			OFF	44	0.4311	0.03638	2.709	65.01	-1.8	0.9
86 5 4	17	7	3 ON	1606	0.4377	0.03693	2.750	66.00	-1.8	1.1
			OFF	42	0.4426	0.03735	2.781	66.75	-1.8	1.0
87 1 1	162	7	3 ON	1362	0.3946	0.03329	2.479	59.50	-1.8	-0.3
			OFF	385	0.4526	0.03819	2.844	68.25	-1.8	1.0
88 4 0	11	7	3 ON	310	0.2180	0.01840	1.370	32.88	-1.8	-12.7
			OFF	49	0.2219	0.01872	1.394	33.46	-1.8	-12.8
88 4 1	116	7	3 ON	1478	0.4107	0.03466	2.581	61.93	-3.4	-1.0
			OFF	271	0.4456	0.03760	2.800	67.19	-3.4	-0.6
89 8 1	47	7	3 ON	2605	0.3590	0.03029	2.256	54.13	-3.4	-2.1
			OFF	133	0.3283	0.02770	2.063	49.51	-3.4	-3.3
90 4 1	45	7	3 ON	1941	0.4521	0.03814	2.840	68.17	-3.4	-0.9
			OFF	104	0.4487	0.03786	2.819	67.66	-3.4	-0.9
93 8 1	22	7	3 ON	1724	0.4438	0.03745	2.789	66.93	-3.4	-0.4
			OFF	49	0.4473	0.03774	2.810	67.45	-3.4	-0.6
93 8 2	55	7	3 ON	2721	0.3316	0.02798	2.084	50.01	-3.4	-3.4
			OFF	168	0.3011	0.02541	1.892	45.41	-3.4	-2.9
94 2 1	46	7	3 ON	1286	0.3718	0.03138	2.336	56.07	-3.4	-2.9
			OFF	122	0.3970	0.03350	2.495	59.87	-3.4	-1.6
94 2 2	17	7	3 ON	1853	0.4513	0.03808	2.835	68.05	-3.4	-0.6
			OFF	40	0.4520	0.03814	2.840	68.17	-3.4	-0.7
97 9 1	95	7	3 ON	1339	0.3928	0.03314	2.468	59.23	-1.0	0.3
			OFF	244	0.4375	0.03691	2.749	65.97	-1.0	1.9
100 9 1	128	7	3 ON	1749	0.4567	0.03853	2.869	68.86	-1.0	2.1
			OFF	287	0.4600	0.03882	2.890	69.37	-1.0	1.8
101 9 1	172	7	3 ON	1569	0.4359	0.03678	2.739	65.73	-1.0	2.1
			OFF	391	0.4628	0.03905	2.908	69.79	-1.0	1.9
102 1 1	34	7	3 ON	1326	0.3899	0.03290	2.450	58.79	-1.0	0.2
			OFF	32	0.4067	0.03431	2.555	61.33	-1.0	1.0
133 8 1	2	7	3 ON	1956	0.5261	0.04439	3.305	79.33	12.5	14.0
			OFF	4	0.5260	0.04439	3.305	79.33	12.5	14.0
134 1 1	180	7	3 ON	1413	0.4083	0.03445	2.565	61.57	-1.0	0.9
			OFF	421	0.4615	0.03894	2.899	69.59	-1.0	2.4
135 2 1	111	7	3 ON	1530	0.4298	0.03626	2.700	64.81	-1.0	1.9

~~TOP SECRET~~

~~TOP SECRET~~

HANDLE WITH CARE

OFFNO 256 0.4590 0.03873 2.884 69.21 -1.0 2.4

RATE ESTIMATE

AFT PAN CAMERA NUMBER 171

OPN NO	FR	R	A	TUR/ DUR	INST CPS	INST ANG VEL	SCAN R/SEC	RATE I/SEC	PCT CALIB	RATE REQD		
77	5	2	5	7	3 ON	2038	0.4567	0.03854	2.870	68.88	-2.1	0.9
					OFF	10	0.4563	0.03850	2.867	68.81	-2.1	1.0
81	0	0	5	7	3 ON	0	0.2046	0.01727	1.286	30.86	-2.1	-102.8
					OFF	24	0.2046	0.01727	1.286	30.86	-2.1	-104.5
83	3	1	80	7	3 ON	1488	0.4196	0.03541	2.636	63.28	-2.1	1.0
					CFF	199	0.4466	0.03768	2.806	67.35	-2.1	1.2
84	3	1	82	7	3 ON	1645	0.4488	0.03787	2.820	67.68	-2.1	1.3
					OFF	185	0.4598	0.03880	2.889	69.33	-2.1	1.0
85	5	1	17	7	3 ON	1287	0.3781	0.03191	2.376	57.02	-2.1	-1.1
					CFF	48	0.3881	0.03275	2.438	58.52	-2.1	-0.6
86	5	2	29	7	3 ON	1371	0.3966	0.03346	2.492	59.81	-2.1	-0.0
					CFF	75	0.4112	0.03469	2.583	62.00	-2.1	0.5
86	5	3	18	7	3 ON	1520	0.4251	0.03587	2.671	64.10	-2.1	1.0
					OFF	44	0.4316	0.03642	2.712	65.09	-2.1	1.0
86	5	4	17	7	3 ON	1606	0.4382	0.03698	2.754	66.09	-2.1	1.2
					CFF	42	0.4432	0.03740	2.785	66.84	-2.1	1.2
87	1	1	162	7	3 ON	1362	0.3948	0.03332	2.481	59.54	-2.1	-0.2
					OFF	385	0.4533	0.03824	2.846	68.35	-2.1	1.1
88	4	0	11	7	3 ON	310	0.2171	0.01832	1.364	32.74	-2.1	-13.1
					CFF	49	0.2210	0.01865	1.389	33.32	-2.1	-13.3
88	4	1	116	7	3 ON	1478	0.4108	0.03466	2.581	61.95	-3.7	-0.9
					CFF	271	0.4459	0.03762	2.802	67.24	-3.7	-0.6
89	8	1	47	7	3 ON	2605	0.3588	0.03027	2.254	54.10	-3.7	-2.1
					OFF	133	0.3279	0.02767	2.060	49.45	-3.7	-3.4
90	4	1	45	7	3 ON	1941	0.4524	0.03817	2.843	68.22	-3.7	-0.8
					OFF	104	0.4490	0.03789	2.821	67.71	-3.7	-0.9
93	8	1	22	7	3 ON	1724	0.4441	0.03747	2.791	66.97	-3.7	-0.4
					CFF	49	0.4476	0.03777	2.813	67.50	-3.7	-0.5
93	8	2	55	7	3 ON	2721	0.3313	0.02795	2.081	49.95	-3.7	-3.5
					OFF	168	0.3006	0.02536	1.889	45.33	-3.7	-3.1
94	2	1	46	7	3 ON	1286	0.3717	0.03137	2.336	56.05	-3.7	-2.9
					OFF	122	0.3971	0.03350	2.495	59.88	-3.7	-1.6
94	2	2	17	7	3 ON	1853	0.4516	0.03811	2.838	68.10	-3.7	-0.5
					CFF	40	0.4524	0.03817	2.842	68.22	-3.7	-0.6
99	9	1	98	7	3 ON	1339	0.3808	0.03213	2.393	57.42	-4.4	-2.8
					CFF	244	0.4244	0.03581	2.667	64.00	-4.4	-1.1
100	9	1	128	7	3 ON	1749	0.4431	0.03739	2.784	66.82	-4.4	-0.9
					OFF	287	0.4464	0.03767	2.805	67.32	-4.4	-1.2
101	9	1	172	7	3 ON	1569	0.4229	0.03568	2.657	63.77	-4.4	-0.9
					CFF	391	0.4491	0.03790	2.822	67.73	-4.4	-1.1
102	1	1	144	7	3 ON	1326	0.3780	0.03189	2.375	57.00	-4.4	-2.9
					CFF	350	0.4361	0.03680	2.740	65.77	-4.4	-0.8
103	1	1	112	7	3 ON	1387	0.3907	0.03297	2.455	58.92	-4.4	-2.3
					CFF	270	0.4340	0.03662	2.727	65.45	-4.4	-0.9
104	1	C	11	7	3 ON	335	0.2140	0.01806	1.345	32.28	-4.4	-16.9
					OFF	50	0.2182	0.01841	1.371	32.90	-4.4	-16.9
104	3	1	21	7	3 ON	1624	0.4304	0.03631	2.704	64.90	-4.4	-0.9
					CFF	51	0.4360	0.03679	2.739	65.74	-4.4	-0.9
104	3	2	29	7	3 ON	1757	0.4395	0.03709	2.762	66.28	-4.4	-0.8

~~TOP SECRET~~

HANDLE WITH CONTROL SYSTEM DATA

			NO.	OFF								
105	2	1	21	7	3	ON	1839	0.4446	0.03751	2.793	67.04	-4.4 -0.9
						OFF	48	0.4481	0.03781	2.815	67.57	-4.4 -0.8
						OFF	48	0.4492	0.03791	2.823	67.74	-4.4 -0.9
105	2	2	49	7	3	ON	1933	0.4494	0.03792	2.824	67.77	-4.4 -1.0
						OFF	111	0.4460	0.03763	2.802	67.26	-4.4 -1.1
108	5	1	44	7	3	ON	1561	0.4217	0.03558	2.649	63.59	-4.4 -1.0
						OFF	103	0.4348	0.03669	2.732	65.56	-4.4 -0.8
110	9	1	21	7	3	ON	1793	0.4460	0.03763	2.802	67.25	-4.4 -0.8
						OFF	49	0.4481	0.03781	2.815	67.57	-4.4 -0.8
116	9	1	176	7	3	ON	1724	0.4411	0.03722	2.772	66.52	-4.4 -0.6
						OFF	398	0.4403	0.03715	2.766	66.39	-4.4 -1.0
117	7	1	95	7	3	ON	1574	0.4237	0.03575	2.662	63.89	-4.4 -0.9
						OFF	218	0.4458	0.03762	2.801	67.23	-4.4 -0.7
118	8	1	110	7	3	ON	1576	0.4239	0.03577	2.664	63.92	-4.4 -0.9
						OFF	250	0.4475	0.03776	2.812	67.48	-4.4 -0.7
119	1	1	104	7	3	ON	1469	0.4064	0.03429	2.554	61.29	-4.4 -1.5
						OFF	245	0.4399	0.03712	2.764	66.33	-4.4 -0.7
120	1	0	11	7	3	ON	361	0.2163	0.01825	1.359	32.61	-4.4 -17.6
						OFF	50	0.2207	0.01862	1.387	33.28	-4.4 -17.5
120	2	1	22	7	3	ON	1591	0.4246	0.03583	2.668	64.03	-4.4 -0.8
						OFF	52	0.4311	0.03638	2.709	65.01	-4.4 -0.8
125	9	0	48	7	3	ON	1775	0.4461	0.03764	2.803	67.27	-4.4 -0.6
						OFF	109	0.4494	0.03792	2.824	67.77	-4.4 -0.7
130	9	1	81	7	3	ON	1505	0.4128	0.03483	2.594	62.25	-4.4 -1.2
						OFF	191	0.4383	0.03698	2.754	66.09	-4.4 -0.6
131	9	1	122	7	3	ON	1681	0.4370	0.03688	2.746	65.90	-4.4 -0.6
						OFF	276	0.4492	0.03790	2.822	67.73	-4.4 -0.7
132	9	1	99	7	3	ON	1862	0.4488	0.03787	2.820	67.68	-4.4 -0.6
						OFF	222	0.4434	0.03741	2.786	66.86	-4.4 -0.9
133	8	1	160	7	3	ON	1599	0.4271	0.03604	2.684	64.41	-4.4 -0.8
						OFF	361	0.4491	0.03790	2.822	67.73	-4.4 -0.7
134	1	1	181	7	3	ON	1413	0.3959	0.03341	2.488	59.71	-4.4 -2.1
						OFF	421	0.4478	0.03778	2.814	67.53	-4.4 -0.6
135	2	1	111	7	3	ON	1530	0.4169	0.03516	2.619	62.86	-4.4 -1.1
						OFF	256	0.4454	0.03758	2.798	67.16	-4.4 -0.6
141	6	1	42	7	3	ON	2049	0.4456	0.03759	2.799	67.19	-4.4 -0.9
						OFF	96	0.4382	0.03697	2.753	66.08	-4.4 -1.1
142	2	0	17	7	3	ON	1837	0.4480	0.03780	2.815	67.56	-4.4 -0.5
						OFF	39	0.4491	0.03789	2.821	67.72	-4.4 -0.6

RAMP PROFILE

R- 7 A- 3 PERIOD= 3835

R= 0.3388 A= 0.1293

TIME	PER	CPS	ANG V
000	4.773	0.2095	0.01895
100	4.743	0.2108	0.01907
200	4.656	0.2148	0.01943
300	4.514	0.2213	0.02001
400	4.344	0.2302	0.02082
500	4.144	0.2413	0.02183
600	3.930	0.2545	0.02301
700	3.713	0.2693	0.02436
800	3.501	0.2856	0.02583
900	3.300	0.3030	0.02740
1000	3.114	0.3211	0.02904

		NO.	
1100	2.942	0.3399	C.03074
1200	2.744	0.3644	C.03296
1300	2.577	0.3880	C.03509
1400	2.440	0.4098	C.03707
1500	2.331	0.4291	C.03881
1600	2.247	0.4450	C.04025
1700	2.188	0.4571	C.04134
1800	2.151	0.4649	C.04204
1900	2.137	0.4680	C.04233
2000	2.144	0.4665	C.04219
2100	2.172	0.4603	C.04163
2200	2.224	0.4497	C.04067
2300	2.299	0.4351	C.03935
2400	2.399	0.4169	C.03771
2500	2.526	0.3959	C.03581
2600	2.682	0.3728	C.03372
2700	2.869	0.3485	C.03152
2800	3.053	0.3276	C.02963
2900	3.233	0.3093	C.02797
3000	3.429	0.2916	C.02637
3100	3.638	0.2749	C.02486
3200	3.854	0.2595	C.02347
3300	4.070	0.2457	C.02222
3400	4.276	0.2338	C.02115
3500	4.462	0.2241	C.02027
3600	4.613	0.2168	C.01961
3700	4.719	0.2119	C.01917
3800	4.770	0.2097	C.01896

CLUCK SUMMARY

SYS TIME I/P	CL TIME I/P	ORDER FIT	CGMP SYS TM	DELTA ST	REV	STA
76032.767	360218.48590	1	76032.77870	-0.01072	0	1
36809.092	407394.83190		36809.10290	-0.00998	9	1
76245.938	446831.69190		76245.94810	-0.00915	16	1
37207.597	494193.36090		37207.59930	-0.00134	25	1
71305.082	528290.85590		71305.08150	0.00148	31	1
37483.229	43998.10890		37483.22670	0.00325	41	1
71575.172	78090.05990		71575.16490	0.00807	47	1
37937.257	130852.16790		37937.25300	0.00491	57	1
72012.622	164927.54290		72012.61520	0.00772	63	1
32845.257	212160.19690		32845.25150	0.00648	72	1
72161.855	251476.80790		72161.84770	0.00826	79	1
72161.855	251476.80790		72161.84770	0.00826	79	1
33156.062	298871.03490		33156.05690	0.00608	88	1
67122.004	332836.98690		67121.99610	0.00886	94	1
33447.445	385562.45090		33447.44930	-0.00332	104	1
67402.155	419517.17990		67402.15650	-0.00055	110	1
33714.282	472229.33190		33714.28870	-0.00573	120	1
67755.252	506270.31490		67755.25890	-0.00593	126	1
28343.017	16387.18090		28343.01920	-0.00126	135	1
67891.042	55935.23490		67891.05830	-0.01539	142	1

AO=-0.284185575 PD 06 A1= 0.999999623985D 00  
 SIGMA=0.00715 NO. POINTS= 20  
 RATIO OF CLUCK TIME TO SYS TIME= 0.100000037601D 01

NO. [REDACTED] ORDER FIT [REDACTED]

SYS TIME I/P	CL TIME I/P	COMP SYS TM	DELTA ST	REV STA
76032.767	360218.48990	76032.76550	0.00247	0 1
36809.092	407394.83190	36809.09440	-0.00146	9 1
76245.938	446831.69190	76245.94300	-0.00406	16 1
37207.597	494193.36090	37207.59780	0.00018	25 1
71305.082	528290.85590	71305.08210	0.00082	31 1
37483.229	43998.10890	37483.23010	-0.00016	41 1
71575.172	78090.05990	71575.16970	0.00328	47 1
37937.257	130852.16790	37937.25930	-0.00139	57 1
72012.622	164927.54290	72012.62210	0.00086	63 1
32845.257	212160.19690	32845.25860	-0.00064	72 1
72161.855	251476.80790	72161.85460	0.00139	79 1
72161.855	251476.80790	72161.85460	0.00139	79 1
33156.062	298871.03490	33156.06290	0.00007	88 1
67122.004	332836.98690	67122.00110	0.00384	94 1
33447.445	385562.45990	33447.45210	-0.00617	104 1
67402.155	419517.17990	67402.15760	-0.00160	110 1
33714.282	472229.33190	33714.28630	-0.00336	120 1
67755.252	506270.31490	67755.25390	-0.00095	126 1
28343.017	16327.18090	28343.01010	0.00784	135 1
67891.742	55935.23490	67891.04530	-0.00235	142 1

A0=-0.2841856447D 06 A1= 0.999999827912D 00

A2=-0.1367428713501D-12

SIGMA=0.00291 NO. POINTS= 20

CLOCK OPERATIONS

OPN NO	FR		H	M	S	LEC	BINARY		
77	5	2	5	UN	17	07	00	240935	01110010111000110000001011000
				OFF	17	07	10	240945	01110010111001000011101101000
81	0	0	5	UN	22	58	55	262050	01111100111101001000011010000
				OFF	22	59	19	262074	01111100111101110111010010000
83	3	1	80	UN	01	59	37	272892	100000100010000000000001100000
				OFF	02	02	46	273081	1000001000110111000101010101000
84	3	1	82	UN	03	33	20	278516	10000100110011101000100100000
				OFF	03	36	25	278701	10000100111001010001111001000
86	5	1	17	UN	06	27	09	288944	10001001110001110111110000000
				OFF	06	27	57	288992	1000100111001101010101100000000
86	5	2	29	UN	06	28	33	289028	10001001110100011011110100000
				OFF	06	29	48	289103	100010011101101010110010011000
86	5	3	18	UN	06	31	02	289177	1000100111100011111011010101000
				OFF	06	31	46	289221	10001001111010010100110001000
86	5	4	17	UN	06	32	28	289263	10001001111011100110110011000
				OFF	06	33	10	289305	1000100111110011100011010101000
87	1	1	162	UN	07	58	43	294438	10001100011001100010001110000
				OFF	08	05	08	294823	10001100100101010010001011000
88	4	0	11	UN	09	11	29	298803	10001110011110101111100111000
				OFF	09	12	17	298852	10001110100000001111010100000
89	4	1	116	UN	09	30	55	299970	10001110000100101101110100000
				OFF	09	30	26	300241	100011100101010101000001101000
89	6	1	47	UN	11	19	58	306514	10010010001010000100001010000
				OFF	11	22	11	306647	10010010001110000111111011000
90	4	1	45	UN	12	39	12	311267	10010100011011000111010111000
				OFF	12	40	56	311371	10010100011110010010011111000
93	6	1	22	UN	17	06	25	327300	10011100000100011001110100000



NO.									
		OFF	17	07	14	327349	10011100000101111001100001000		
93	8	2	55	ON	17	23	02	328297	10011100100010110101000101000
		OFF	17	25	50	328465	10011100100111111101001101000		
94	2	1	46	ON	18	29	25	332280	10011110011100011000011000000
		OFF	18	31	27	332402	10011110100000000110101010000		
94	2	2	17	ON	18	38	52	332847	1001111010110110101011110011000
		OFF	18	39	32	332887	10011110101110111001111011000		
99	9	1	98	ON	02	01	40	359415	10101011011000011110011011000
		OFF	02	05	44	359659	101010110111111111010111111000		
100	9	1	128	ON	03	38	46	365241	10101110001010010001010101000
		OFF	03	43	33	365528	10101110010011000001111000000		
101	9	1	172	ON	05	06	01	370476	10110000101010000001111100000
		OFF	05	12	32	370867	10110000110101111101100111000		
102	1	1	34	ON	06	32	14	375649	101100110001111111001011101000
		OFF	06	33	36	375731	10110011001010011001100111000		
102	1	1	144	ON	06	32	14	375649	101100110001111111001011101000
		OFF	06	38	04	375999	10110011010010100101000011000		
103	1	1	112	ON	08	03	35	381130	10110101101111001010100010000
		OFF	08	08	05	381400	10110101110111011001111000000		
104	1	0	11	ON	09	16	19	385495	10110111110100010111111011000
		OFF	09	17	09	385545	10110111110101111001100101000		
104	3	1	21	ON	09	37	48	386783	10111000011011101011100011000
		OFF	09	38	37	386834	10111000011101001111001010000		
104	3	2	29	ON	09	39	11	386866	10111000011110001101101010000
		OFF	09	40	17	386932	10111000100000001110100100000		
105	2	1	21	ON	11	11	38	392413	101110110001110111111010001000
		OFF	11	12	26	392461	10111011001000111101011001000		
105	2	2	49	ON	11	13	12	392507	10111011001010010111001111000
		OFF	11	15	03	392618	10111011001101110000000010000		
108	5	1	44	ON	15	37	48	408383	11000010101110110111000011000
		OFF	15	39	31	408486	11000010110010000000001110000		
110	9	1	21	ON	18	42	11	419447	11001000000000100000011011000
		OFF	18	43	00	419496	11001000000010000000001000000		
116	9	1	176	ON	03	42	31	451866	11010111011101110110110010000
		OFF	03	49	09	452264	11010111101010000000001000000		
117	7	1	95	ON	05	10	15	457130	11011001111110100000000010000
		OFF	05	13	53	457348	11011010000101001001110100000		
118	8	1	110	ON	06	40	31	462546	11011100100011110010001010000
		OFF	06	44	41	462796	1101110010101011011010011100000		
119	1	1	104	ON	08	08	59	467854	11011111000101110001010110000
		OFF	08	13	04	468099	11011111001101001111110111000		
120	1	0	11	ON	09	20	44	472159	11100001001001001001100011000
		OFF	09	21	34	472209	1110000100101010101011001101000		
120	2	1	22	ON	09	41	04	473379	11100001101110011000100010111000
		OFF	09	41	50	473431	111000011011111111101111011000		
120	9	0	48	ON	18	46	02	506077	11110001010100001111101001000
		OFF	18	47	51	506186	11110001010111100100100010000		
130	9	1	81	ON	00	42	04	527444	11111011100000010100000100000
		OFF	00	45	20	527635	11111011100110001001000111000		
131	9	1	122	ON	02	15	19	533034	11111110001010111010000010000
		OFF	02	19	55	533310	11111110010011010101000110000		
132	9	1	99	ON	03	48	33	1758	0000000110101101001100110000
		OFF	03	52	15	1980	000000011110001101100110000		
133	8	1	2	ON	05	20	18	457733	11011010010000111001110001000
		OFF	05	20	26	457741	11011010010001001001011001000		

NO.

HANDLED VIA

CONTROL SYSTEMS

133	8	1	160	ON	05	14	24	6909	00000011010010110110001001000
				OFF	05	20	25	7270	00000011011101110111001110000
134	1	1	181	ON	06	41	32	12136	00000101110010010111001000000
				OFF	06	48	33	12557	0000010111111111001101011001000
135	2	1	111	ON	08	13	42	17666	00001000011011000111111010000
				OFF	08	17	58	17922	00001000100010111011111010000
141	6	1	42	ON	17	23	33	50657	00011000001001111011011101000
				OFF	17	29	09	50753	0001100000110011011011011101000
142	2	0	17	ON	18	50	14	55858	00011010101000101001101010000
				OFF	18	50	53	55897	00011010101001110101110101000

NOTE - OPERATION C77-05-2 ACTUALLY CONSISTED OF 21 FRAMES. THE FIRST 16 FRAMES ARE CONTAINED IN THE FIRST MISSION RECOVERY BUCKET.

NOTE - OPERATION C81-00-0 IS THE CUT AND WRAP OPERATION WHICH OCCURRED ON REV 081.

NOTE - T/M DATA INDICATE THE MASTER PANORAMIC CAMERA CEASED OPERATING DURING OPERATION 102-01-1 BUT OPERATED AGAIN DURING KEYS 133, 134, AND 135. NO SUBSEQUENT OPERATIONS WERE OBSERVED.

NOTE - T/M DATA INDICATE THE SLAVE PANORAMIC CAMERA WAS OUT OF FILM AT THE START OF OPERATION 142-02-0.

NOTE - THE CLOCK OPERATIONS SUMMARY SHOWS TWO OPERATIONS FOR OPERATIONS 102-01-1 AND 133-08-1. THE FIRST OPERATION IN EACH IS FOR THE MASTER PANORAMIC CAMERA AND THE SECOND IS FOR THE SLAVE PANORAMIC CAMERA.

~~TOP SECRET~~



NO.

