[redacted]

CORONA J
FLIGHT DATA
BOOK
1031-2

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4 PAGES
(NOT INCLUDING PEST)

CORONA J-FLIGHT DATA BOOK

SYSTEM NO. J-30

VEHICLE NO. 1627

MISSION NO. 1031-2

CAMERA NOS. 184/185

DATE 4-19-66

SYSTEM NO. J-38
VEHICLE NO. 1627
MISSION NO. 1831-2
CAMERA NOS. 184/185

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SYSTEM NO. J-30
VEHICLE NO. 1627
MISSION NO. 1031-2
CAMERA NOS. 184/185

GENERAL FLIGHT DATA

MASTER CAMERA SERIAL NO. 184

SLAVE CAMERA SERIAL NO. 185

S/I -1 SERIAL NO. D83/101/89

S/I -2 SERIAL NO. D86/106/86

LAUNCH DATE 4-07-66

REACTIVATION DATE N/A

REACTIVATION ORBIT N/A

ORBITAL PARAMETERS (REV. 145)

PERIOD	89.388 MIN	ECCENTRICITY	0.00853
PERIGEE	105.494 NM	PERIGEE LAT.	39.362
APOGEE	166.470 NM	INCL. ANGLE	75.072

RECOVERY ORBIT NO. 177

RECOVERY DATE 4-18-66

SYSTEM NO. J-30
VEHICLE NO. 1627
MISSION NO. 1031-2
CAMERA NOS. 184/185

CYCLE PERIOD DATA

V/H RAMP SETTING		TIME UP	---CALIBRATED---		---IN-FLIGHT----		ORBIT
LEVEL	AMPLITUDE	RAMP-SEC	CYCLE PERIOD-SEC		CYCLE PERIOD-SEC		NO.
			MASTER	SLAVE	MASTER	SLAVE	
6	5	310	3.739	3.725	3.730	4.060	120
6	5	2045	2.240	-0.000	2.252	-0.000	127
6	5	1900	2.239	-0.000	2.260	-0.000	143
6	5	1900	2.239	-0.000	2.265	-0.000	159

NOTE

AN * OR -0 INDICATES NO DATA AVAILABLE.

A. 1031-2
B. DRY
C. PERFORMANCE ESTIMATE PART ONE

OPERATIONS SUMMARY

FWD PAN CAMERA NUMBER 184

OPN	NO	FRA		G	LAT		LONG		HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM
111	4	1	10	ON	2	30	58	106	45W	637632	660850	14	19	46	44	1239	71204
				OFF	2	29	20	106	16W	636444	659617	14	19	47	9	1242	71229
113	0	0	4	ON	2	56	19	164	34W	680035	704849	14	22	38	55	1140	81535
				OFF	2	54	55	163	24W	676597	701282	14	22	39	18	1145	81558
114	1	1	26	ON	2	72	18	141	2E	731753	758523	15	0	3	15	927	195
				OFF	2	69	20	152	24E	718981	745267	15	0	4	26	1014	266
114	1	2	50	ON	2	63	4	165	15E	698071	723567	15	0	6	27	11 7	387
				OFF	2	55	43	173	21E	678168	702912	15	0	8	33	1142	513
116	1	1	20	ON	2	74	10	82	42E	742024	769183	15	3	1	5	831	10865
				OFF	2	72	28	95	1E	731408	758165	15	3	2	4	922	10924
116	1	2	85	ON	2	66	28	114	18E	707716	733576	15	3	4	18	1041	11058
				OFF	2	54	8	129	31E	673580	698151	15	3	7	53	1145	11273
116	1	3	52	ON	2	47	57	133	32E	660305	684376	15	3	9	32	12 3	11372
				OFF	2	40	15	137	11E	647220	670798	15	3	11	33	1220	11493
117	1	1	46	ON	2	72	44	70	59E	732181	758967	15	4	31	22	915	16282
				OFF	2	67	17	89	59E	709931	735875	15	4	33	28	1033	16408
117	1	2	36	ON	2	54	55	106	20E	675049	699676	15	4	37	6	1142	16626
				OFF	2	49	34	110	3E	663208	687388	15	4	38	33	1158	16713
117	1	3	148	ON	2	42	58	113	28E	651143	674869	15	4	40	18	1214	16818
				OFF	2	21	11	120	30E	633712	656782	15	4	45	54	1247	17154
118	1	1	55	ON	2	71	45	53	27E	726691	753270	15	6	1	16	935	21676
				OFF	2	64	45	72	22E	701202	726816	15	6	3	43	1053	21823
118	1	2	16	ON	2	60	27	78	25E	688745	713888	15	6	5	0	1118	21900
				OFF	2	58	8	80	55E	682589	707500	15	6	5	40	1129	21940
118	1	3	39	ON	2	51	51	86	2E	667706	692056	15	6	7	23	1151	22043
				OFF	2	46	3	89	26E	656150	680064	15	6	8	56	12 6	22136
118	1	4	70	ON	2	39	1	92	33E	645109	668608	15	6	10	46	1220	22246
				OFF	2	28	43	95	57E	635411	658545	15	6	13	25	1237	22405
120	1	0	12	ON	1	39	2	101	28W	877645	909979	15	8	45	16	159	31516
				OFF	1	41	56	100	17W	870498	902558	15	8	46	3	2 4	31563
120	3	1	42	ON	2	50	24	41	51E	663951	688159	15	9	6	39	1154	32799
				OFF	2	44	9	45	14E	652315	676085	15	9	8	18	12 9	32898
127	4	0	16	ON	2	33	52	108	38W	639129	662403	15	19	36	57	1222	70617
				OFF	2	31	23	107	51W	637259	660463	15	19	37	35	1226	70655
130	4	1	52	ON	2	69	9	152	0E	710358	736310	15	23	55	24	10 3	86124
				OFF	2	62	2	165	44E	688684	713825	15	23	57	40	11 0	86260
131	4	1	61	ON	2	70	10	126	21E	713432	739500	16	1	24	26	949	5066
				OFF	2	62	1	143	12E	688137	713257	16	1	27	4	1059	5224
133	6	1	168	ON	2	42	20	112	50E	647359	670942	16	4	31	15	12 2	16275
				OFF	2	17	39	128	25E	635679	658823	16	4	37	34	1239	16654
134	1	1	48	ON	2	71	15	54	41E	715933	742104	16	5	52	15	931	21135
				OFF	2	65	14	70	38E	695549	720950	16	5	54	21	1036	21261
134	1	2	121	ON	2	51	47	85	10E	663010	687183	16	5	58	10	1138	21490

				OFF	2	34	11	93	22E	638878	661312	16	6	2	47	1216	21767
135	7	1	16	ON	2	70	17	35	44E	711539	737544	16	7	22	2	945	26522
				OFF	2	68	19	41	38E	704613	730356	16	7	22	44	10 8	26564
135	7	2	43	ON	2	58	24	57	11E	677057	701759	16	7	25	45	1114	26745
				OFF	2	52	8	62	23E	663301	687484	16	7	27	29	1137	26849
135	7	3	65	ON	2	44	53	66	33E	650457	674157	16	7	29	24	1155	26964
				OFF	2	35	20	70	26E	638813	662075	16	7	31	53	1213	27113
136	3	1	43	ON	2	55	25	37	21E	669776	694204	16	8	55	59	1125	32159
				OFF	2	49	6	41	45E	657157	681109	16	8	57	41	1144	32261
143	4	0	17	ON	2	33	55	109	29W	637817	661042	16	19	27	26	12 9	70046
				OFF	2	31	21	108	40W	636291	659458	16	19	28	6	1213	70086
146	8	1	75	ON	2	70	11	148	0E	706049	731046	16	23	45	25	937	85525
				OFF	2	60	10	167	14E	677065	702597	16	23	48	36	1057	85716
149	1	1	21	ON	2	74	10	58	28E	722688	749115	17	4	11	38	8 5	15098
				OFF	2	72	28	70	45E	713383	739458	17	4	12	37	855	15157
149	1	2	16	ON	2	56	57	102	53E	669493	693910	17	4	17	39	11 9	15459
				OFF	2	54	35	104	53E	664663	688898	17	4	18	18	1117	15498
149	1	3	161	ON	2	41	28	112	24E	644029	667487	17	4	21	47	1151	15707
				OFF	2	17	42	119	37E	637311	660516	17	4	27	52	1226	16072
150	1	1	20	ON	2	69	51	58	56E	702720	728392	17	5	43	5	938	20585
				OFF	2	67	21	65	35E	694834	720208	17	5	43	57	10 6	20637
150	1	2	16	ON	2	51	57	84	16E	659335	683369	17	5	48	24	1125	20904
				OFF	2	49	38	85	45E	655307	679190	17	5	49	1	1132	20941
150	1	3	127	ON	2	47	26	87	1E	651791	675541	17	5	49	36	1137	20976
				OFF	2	28	50	94	14E	634946	658063	17	5	54	25	1211	21265
151	1	1	24	ON	2	70	22	34	39E	703992	729711	17	7	12	15	938	25935
				OFF	2	67	20	43	6E	694278	719630	17	7	13	19	10 5	25999
151	1	2	16	ON	2	64	30	48	32E	686447	711504	17	7	14	13	1028	26053
				OFF	2	62	16	51	53E	680780	705623	17	7	14	53	1042	26093
151	1	3	141	ON	2	55	28	59	5E	665694	689968	17	7	16	49	1113	26209
				OFF	2	34	47	69	50E	637531	660745	17	7	22	16	12 1	26536
152	1	1	10	ON	2	62	16	29	21E	680310	705135	17	8	44	16	1041	31456
				OFF	2	60	52	31	8E	676986	701685	17	8	44	40	1049	31480
152	1	2	97	ON	2	58	35	33	41E	671821	696326	17	8	45	20	11 0	31520
				OFF	2	44	27	43	26E	647024	670595	17	8	49	9	1142	31749
153	2	1	22	ON	2	52	21	16	21E	659092	683117	17	10	16	25	1121	36985
				OFF	2	49	4	18	27E	653515	677331	17	10	17	18	1131	37038
159	4	0	16	ON	2	33	56	110	12W	636550	659727	17	19	17	26	1156	69446
				OFF	2	31	23	109	24W	635423	658558	17	19	18	5	12 0	69485
162	8	1	83	ON	2	70	14	147	9E	698529	724042	17	23	35	19	923	84919
				OFF	2	59	13	167	35E	670162	694605	17	23	38	47	1049	85127
163	8	1	82	ON	2	69	15	127	41E	694987	720283	18	1	5	2	935	3902
				OFF	2	58	10	146	8E	667649	691997	18	1	8	26	1053	4106
163	8	2	38	ON	2	48	17	153	29E	650467	674168	18	1	11	7	1125	4267
				OFF	2	42	38	156	19E	643293	666724	18	1	12	36	1137	4356
164	8	1	72	ON	2	47	47	131	14E	649536	673202	18	2	40	36	1125	9636
				OFF	2	37	14	135	56E	638250	661491	18	2	43	21	1147	9801
165	4	1	19	ON	2	57	19	101	52E	665329	689589	18	4	7	23	1054	14843
				OFF	2	54	30	104	17E	660047	684100	18	4	8	10	11 5	14890
165	4	2	171	ON	2	42	20	111	22E	642659	666066	18	4	11	23	1136	15083
				OFF	2	17	6	119	5E	638940	662207	18	4	17	51	1214	15471

166	6	1	121	ON	2	62	22	73	38E	675637	708286	18	5	35	17	1029	28117
				OFF	2	45	7	87	32E	645655	669174	18	5	40	8	1138	28408
167	4	1	16	ON	2	70	14	34	25E	696190	721614	18	7	2	4	919	25324
				OFF	2	68	14	40	16E	690097	715292	18	7	2	47	943	25367
167	4	2	15	ON	2	63	51	48	55E	678734	703500	18	7	4	11	1019	25451
				OFF	2	61	41	52	1E	673731	698308	18	7	4	58	1032	25498
167	4	3	124	ON	2	55	17	58	35E	660877	684969	18	7	6	38	11 1	25598
				OFF	2	37	7	68	22E	637878	661185	18	7	11	26	1144	25886
168	1	1	117	ON	2	60	25	31	1E	678651	695112	18	8	34	33	1038	30873
				OFF	2	43	36	43	11E	643563	667004	18	8	39	6	1131	31146
169	6	1	79	ON	2	15	36	29	17E	640651	663981	18	10	15	37	1212	36937
				OFF	2	3	31	31	50E	658535	682538	18	10	18	41	1226	37121

OPERATIONS SUMMARY
AFT PAN CAMERA NUMBER 185

OPN	NO	FRA		Q	LAT		LONG		HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM
111	4	1	10	ON	2	31	3	106	50W	637022	660216	14	19	46	56	1239	71216
				OFF	2	29	25	106	21W	635938	659092	14	19	47	21	1241	71241
113	8	0	4	ON	2	56	27	164	46W	678186	702931	14	22	39	7	1139	81547
				OFF	2	55	3	163	35W	674797	699414	14	22	39	30	1144	81570
114	1	1	24	ON	2	72	26	140	18E	729530	756216	15	0	3	27	924	207
				OFF	2	69	29	151	53E	716805	743009	15	0	4	38	1012	278
114	1	2	48	ON	2	63	13	164	57E	696830	721449	15	0	6	39	11 6	399
				OFF	2	55	52	173	10E	676348	701023	15	0	8	45	1141	525
116	1	1	20	ON	2	74	15	81	45E	739791	766865	15	3	1	17	828	10877
				OFF	2	72	36	94	16E	729197	755870	15	3	2	16	919	10936
116	1	2	81	ON	2	66	37	113	54E	705612	731392	15	3	4	30	1039	11070
				OFF	2	54	16	129	21E	671834	696340	15	3	8	5	1145	11285
116	1	3	49	ON	2	48	4	133	25E	658812	682826	15	3	9	44	12 3	11384
				OFF	2	40	21	137	5E	646107	669644	15	3	11	45	1219	11505
117	1	1	43	ON	2	72	51	70	13E	729973	756676	15	4	31	34	912	16294
				OFF	2	67	26	89	34E	707810	733681	15	4	33	40	1031	16420
117	1	2	34	ON	2	55	3	106	10E	673284	697844	15	4	37	18	1141	16638
				OFF	2	49	41	109	55E	661653	685775	15	4	38	45	1158	16725
117	1	3	139	ON	2	43	5	113	21E	649897	673576	15	4	40	30	1213	16830
				OFF	2	21	17	120	25E	633806	656880	15	4	46	6	1247	17166
118	1	1	52	ON	2	71	53	52	47E	724505	751001	15	6	1	28	932	21688
				OFF	2	64	54	72	2E	699153	724689	15	6	3	55	1051	21835
118	1	2	15	ON	2	68	36	78	11E	686808	711878	15	6	5	12	1117	21912
				OFF	2	58	16	80	42E	680723	705564	15	6	5	52	1128	21952
118	1	3	37	ON	2	51	59	85	53E	666065	690353	15	6	7	35	1150	22055
				OFF	2	46	10	89	19E	654761	678623	15	6	9	8	12 6	22148
118	1	4	66	ON	2	39	7	92	27E	644081	667541	15	6	10	58	1220	22258
				OFF	2	28	48	95	52E	635004	658123	15	6	13	37	1236	22417
120	1	0	11	ON	1	38	35	101	43W	875748	900009	15	8	45	28	158	31528
				OFF	1	41	30	100	33W	868580	900567	15	8	46	15	2 3	31575

PHOTOGRAPHIC SUMMARY
FWD PAN CAMERA NO 184 0.2250 SLIT W/23A FILTER 3404 FILM

OPN	NO	FRA	FEET		ET	S-EL	S-DIR	EV	FULL	INT	PRI
111	4 1	10	26.5	ON	287	66.6	48.9	12.02	12.42	11.82	11.22
				OFF	288	67.0	45.7	12.02	12.42	11.82	11.22
113	0 0	4	10.6	ON	166	43.0	21.5	11.23	12.40	11.80	11.20
				OFF	166	44.5	22.1	11.23	12.41	11.81	11.21
114	1 1	26	68.8	ON	233	23.2	18.0	11.72	12.16	11.56	10.96
				OFF	241	27.8	18.2	11.76	12.26	11.66	11.06
114	1 2	50	132.3	ON	255	35.6	19.3	11.84	12.35	11.75	11.15
				OFF	267	43.7	21.5	11.91	12.41	11.81	11.21
116	1 1	20	52.9	ON	226	19.0	17.5	11.67	12.02	11.42	10.82
				OFF	232	22.8	17.5	11.71	12.15	11.55	10.95
116	1 2	85	224.8	ON	248	31.5	18.2	11.81	12.31	11.71	11.11
				OFF	269	45.3	21.5	11.92	12.41	11.81	11.21
116	1 3	52	137.5	ON	277	51.6	24.3	11.97	12.42	11.82	11.22
				OFF	284	59.0	29.6	12.00	12.42	11.82	11.22
117	1 1	46	121.7	ON	232	22.3	17.3	11.71	12.14	11.54	10.94
				OFF	246	30.5	17.8	11.80	12.30	11.70	11.10
117	1 2	36	95.2	ON	268	44.5	20.9	11.92	12.41	11.81	11.21
				OFF	275	50.0	23.2	11.96	12.42	11.82	11.22
117	1 3	148	391.5	ON	282	56.5	27.1	11.99	12.42	11.82	11.22
				OFF	288	73.6	62.7	12.02	12.42	11.82	11.22
118	1 1	55	145.5	ON	242	24.1	17.1	11.77	12.19	11.59	10.99
				OFF	258	33.6	18.0	11.87	12.34	11.74	11.14
118	1 2	16	42.3	ON	267	38.6	19.0	11.91	12.38	11.78	11.18
				OFF	270	41.1	19.6	11.93	12.39	11.79	11.19
118	1 3	39	103.2	ON	280	47.7	21.9	11.98	12.42	11.82	11.22
				OFF	286	53.5	24.8	12.01	12.42	11.82	11.22
118	1 4	70	185.1	ON	292	60.2	30.0	12.04	12.42	11.82	11.22
				OFF	296	69.0	43.6	12.06	12.42	11.82	11.22
120	1 0	12	31.7	ON	175	-33.9	17.1	11.31	0.00	0.00	0.00
				OFF	177	-31.0	16.6	11.32	0.00	0.00	0.00
120	3 1	42	111.1	ON	282	49.2	21.9	11.99	12.42	11.82	11.22
				OFF	288	55.4	25.3	12.02	12.42	11.82	11.22
127	4 0	16	42.3	ON	295	65.4	31.7	12.06	12.42	11.82	11.22
				OFF	296	67.6	34.9	12.06	12.42	11.82	11.22
130	4 1	52	137.5	ON	251	27.8	14.7	11.82	12.26	11.66	11.06
				OFF	266	36.7	15.6	11.91	12.36	11.76	11.16
131	4 1	61	161.3	ON	249	26.3	14.4	11.81	12.24	11.64	11.04
				OFF	266	36.7	15.4	11.91	12.36	11.76	11.16
133	6 1	168	444.4	ON	291	57.6	21.9	12.04	12.42	11.82	11.22
				OFF	293	77.7	68.2	12.05	12.42	11.82	11.22
134	1 1	48	127.0	ON	247	24.6	13.7	11.80	12.20	11.60	11.00
				OFF	261	32.9	14.2	11.88	12.33	11.73	11.13
134	1 2	121	320.0	ON	283	48.0	17.2	12.00	12.42	11.82	11.22
				OFF	296	65.5	28.1	12.06	12.42	11.82	11.22
135	7 1	16	42.3	ON	250	26.1	13.5	11.82	12.23	11.63	11.03
				OFF	255	28.9	13.6	11.85	12.28	11.68	11.08
135	7 2	43	113.7	ON	274	40.8	15.1	11.95	12.39	11.79	11.19
				OFF	283	47.6	16.8	11.99	12.42	11.82	11.22
135	7 3	65	171.9	ON	290	55.1	19.8	12.03	12.42	11.82	11.22
				OFF	296	64.5	26.5	12.06	12.42	11.82	11.22

136	3	1	43	113.7	ON	279	44.1	15.6	11.98	12.41	11.81	11.21
					OFF	286	58.0	17.6	12.01	12.42	11.82	11.22
143	4	0	17	45.0	ON	297	66.1	24.2	12.06	12.42	11.82	11.22
					OFF	297	68.6	27.0	12.07	12.42	11.82	11.22
146	8	1	75	198.4	ON	253	26.0	11.1	11.84	12.23	11.63	11.03
					OFF	273	38.7	12.0	11.94	12.38	11.78	11.18
149	1	1	21	55.5	ON	240	18.2	10.7	11.76	11.99	11.39	10.79
					OFF	247	22.1	10.5	11.88	12.13	11.53	10.93
149	1	2	16	42.3	ON	279	42.3	11.8	11.98	12.40	11.80	11.20
					OFF	282	44.9	12.2	11.99	12.41	11.81	11.21
149	1	3	161	425.8	ON	294	58.8	16.5	12.05	12.42	11.82	11.22
					OFF	292	80.1	58.0	12.04	12.42	11.82	11.22
150	1	1	20	52.9	ON	254	26.4	10.3	11.84	12.24	11.64	11.04
					OFF	259	29.9	10.3	11.87	12.29	11.69	11.09
150	1	2	16	42.3	ON	284	47.8	12.5	12.00	12.42	11.82	11.22
					OFF	286	50.3	13.1	12.01	12.42	11.82	11.22
150	1	3	127	335.9	ON	288	52.6	13.8	12.02	12.42	11.82	11.22
					OFF	295	71.3	26.3	12.06	12.42	11.82	11.22
151	1	1	24	63.5	ON	252	25.6	10.1	11.83	12.22	11.62	11.02
					OFF	259	29.9	10.1	11.87	12.29	11.69	11.09
151	1	2	16	42.3	ON	265	33.5	10.3	11.90	12.34	11.74	11.14
					OFF	269	36.2	10.5	11.92	12.36	11.76	11.16
151	1	3	141	372.9	ON	279	44.0	11.5	11.98	12.41	11.81	11.21
					OFF	295	65.5	19.7	12.06	12.42	11.82	11.22
152	1	1	10	26.5	ON	269	36.2	10.3	11.93	12.36	11.76	11.16
					OFF	271	37.9	10.4	11.94	12.37	11.77	11.17
152	1	2	97	256.6	ON	275	40.5	10.7	11.96	12.39	11.79	11.19
					OFF	290	55.7	14.1	12.03	12.42	11.82	11.22
153	2	1	22	58.2	ON	284	47.3	11.6	12.00	12.42	11.82	11.22
					OFF	287	50.9	12.3	12.02	12.42	11.82	11.22
159	4	0	16	42.3	ON	295	66.6	16.5	12.06	12.42	11.82	11.22
					OFF	295	69.1	18.4	12.06	12.42	11.82	11.22
162	8	1	83	219.5	ON	256	25.6	7.7	11.86	12.22	11.62	11.02
					OFF	277	39.6	8.1	11.97	12.38	11.78	11.18
163	8	1	82	216.9	ON	259	27.0	7.4	11.87	12.25	11.65	11.05
					OFF	279	40.8	7.9	11.98	12.39	11.79	11.19
163	8	2	38	100.5	ON	290	51.6	9.4	12.03	12.42	11.82	11.22
					OFF	294	57.6	10.0	12.05	12.42	11.82	11.22
164	8	1	72	190.4	ON	291	52.2	9.2	12.04	12.42	11.82	11.22
					OFF	296	63.3	12.4	12.06	12.42	11.82	11.22
165	4	1	19	50.3	ON	281	41.7	7.5	11.99	12.40	11.80	11.20
					OFF	284	44.0	7.8	12.00	12.41	11.81	11.21
165	4	2	171	452.3	ON	295	57.9	10.2	12.05	12.42	11.82	11.22
					OFF	290	82.6	45.5	12.03	12.42	11.82	11.22
166	6	1	121	320.0	ON	273	35.8	6.9	11.95	12.36	11.76	11.16
					OFF	293	55.0	9.1	12.05	12.42	11.82	11.22
167	4	1	16	42.3	ON	258	25.4	6.6	11.86	12.22	11.62	11.02
					OFF	262	28.3	6.5	11.89	12.27	11.67	11.07
167	4	2	15	39.7	ON	271	34.0	6.6	11.93	12.34	11.74	11.14
					OFF	274	36.6	6.7	11.95	12.36	11.76	11.16
167	4	3	124	328.0	ON	284	44.0	7.2	12.00	12.41	11.81	11.21

					OFF	296	63.4	11.1	12.06	12.42	11.82	11.22
168	1	1	117	389.5	ON	277	38.1	6.5	11.96	12.37	11.77	11.17
					OFF	294	56.6	8.8	12.05	12.42	11.82	11.22
169	6	1	79	209.8	ON	288	84.1	50.1	12.02	12.42	11.82	11.22
					OFF	274	80.2	152.6	11.95	12.42	11.82	11.22

PHOTOGRAPHIC SUMMARY

AFT PAN CAMERA NO 185 0.1500 SLIT W/21 FILTER 3404 FILM

OPN	NO		FRA	FEET		ET	S-EL	S-DIR	EV	FULL	INT	PRI
111	4	1	10	26.5	ON	411	66.5	42.4	12.53	12.75	12.15	11.55
					OFF	412	67.8	45.2	12.54	12.75	12.15	11.55
113	0	0	4	10.6	ON	238	42.9	20.7	11.75	12.73	12.13	11.53
					OFF	238	44.3	21.2	11.75	12.74	12.14	11.54
114	1	1	24	63.5	ON	333	22.9	15.0	12.23	12.49	11.89	11.29
					OFF	344	27.6	16.0	12.28	12.59	11.99	11.39
114	1	2	48	127.0	ON	364	35.4	18.0	12.36	12.60	12.00	11.40
					OFF	381	43.5	20.7	12.43	12.74	12.14	11.54
116	1	1	20	52.9	ON	323	18.7	13.7	12.19	12.34	11.74	11.14
					OFF	332	22.6	14.5	12.23	12.40	11.80	11.20
116	1	2	81	214.2	ON	355	31.3	16.5	12.32	12.64	12.04	11.44
					OFF	385	45.2	20.8	12.44	12.74	12.14	11.54
116	1	3	49	129.6	ON	396	51.5	23.8	12.48	12.75	12.15	11.55
					OFF	406	58.9	29.2	12.52	12.75	12.15	11.55
117	1	1	43	113.7	ON	332	22.0	14.2	12.23	12.46	11.86	11.26
					OFF	352	30.3	16.0	12.31	12.63	12.03	11.43
117	1	2	34	89.9	ON	384	44.4	20.2	12.44	12.74	12.14	11.54
					OFF	393	49.9	22.6	12.47	12.75	12.15	11.55
117	1	3	139	367.7	ON	403	56.4	26.7	12.51	12.75	12.15	11.55
					OFF	411	73.6	62.2	12.54	12.75	12.15	11.55
118	1	1	52	137.5	ON	324	23.8	14.3	12.19	12.51	11.91	11.31
					OFF	347	33.4	16.6	12.29	12.66	12.06	11.46
118	1	2	15	39.7	ON	358	38.4	17.9	12.34	12.71	12.11	11.51
					OFF	363	41.0	18.7	12.36	12.72	12.12	11.52
118	1	3	37	97.9	ON	376	47.6	21.2	12.41	12.75	12.15	11.55
					OFF	385	53.4	24.3	12.44	12.75	12.15	11.55
118	1	4	66	174.6	ON	393	60.1	29.5	12.47	12.75	12.15	11.55
					OFF	398	68.9	43.2	12.49	12.75	12.15	11.55
120	1	0	11	29.1	ON	235	-34.4	16.8	11.73	0.00	0.00	0.00
					OFF	238	-31.5	16.2	11.74	0.00	0.00	0.00

STELLAR-INDEX SUMMARY

CAMERA DATA	ET	FILM	FILTER	GRID	ASSEMBLY NO D86
STELLAR	2.0	3401	NONE	186	
INDEX	1/500	3400	W/21	86	

PERFORMANCE SUMMARY

OPN	NO		FR	STEL FEET	INDX FEET	H	M	S	Q	ON LAT	ON LONG	Q	OFF LAT	OFF LONG	SEC DUR
111	4	1	2	0.20	0.40	19	46	44	2	30	186W	2	29	186W	25
114	1	1	4	0.40	0.79	0	3	15	2	72	141E	2	69	152E	71

114	1	2	8	0.79	1.58	0	6	27	2	63	165E	2	55	173E	126
116	1	1	3	0.30	0.59	3	1	5	2	74	82E	2	72	95E	59
116	1	2	12	1.19	2.38	3	4	18	2	66	114E	2	54	129E	215
116	1	3	8	0.79	1.58	3	9	32	2	47	133E	2	40	137E	121
117	1	1	7	0.69	1.39	4	31	22	2	72	70E	2	67	89E	126
117	1	2	5	0.50	0.99	4	37	6	2	54	106E	2	49	110E	87
117	1	3	22	2.18	4.36	4	40	18	2	42	113E	2	21	120E	336
118	1	1	8	0.79	1.58	6	1	16	2	71	53E	2	64	72E	147
118	1	2	3	0.30	0.59	6	5	8	2	60	70E	2	58	80E	40
118	1	3	5	0.50	0.99	6	7	23	2	51	86E	2	46	89E	93
118	1	4	11	1.09	2.18	6	10	46	2	39	92E	2	28	95E	159
120	1	0	2	0.20	0.40	8	45	16	1	39	101W	1	41	100W	47
120	3	1	6	0.59	1.19	9	6	39	2	50	41E	2	44	45E	99
127	4	0	3	0.30	0.59	19	36	57	2	33	100W	2	31	107W	38
130	4	1	7	0.69	1.39	23	55	24	2	69	152E	2	62	165E	136
131	4	1	9	0.89	1.78	1	24	26	2	70	126E	2	62	143E	158
133	6	1	25	2.47	4.95	4	31	15	2	42	112E	2	17	120E	379
134	1	1	7	0.69	1.39	5	52	15	2	71	54E	2	65	70E	126
134	1	2	17	1.68	3.37	5	58	10	2	51	85E	2	34	93E	277
135	7	1	3	0.30	0.59	7	22	2	2	70	35E	2	68	41E	42
135	7	2	6	0.59	1.19	7	25	45	2	58	57E	2	52	62E	104
135	7	3	10	0.99	1.98	7	29	24	2	44	66E	2	35	70E	149
136	3	1	6	0.59	1.19	8	55	59	2	55	37E	2	49	41E	102
143	4	0	3	0.30	0.59	19	27	26	2	33	109W	2	31	108W	40
146	8	1	11	1.09	2.18	23	45	25	2	70	148E	2	60	167E	191
149	1	1	3	0.30	0.59	4	11	38	2	74	58E	2	72	70E	59
149	1	2	3	0.30	0.59	4	17	39	2	56	102E	2	54	104E	39
149	1	3	23	2.28	4.55	4	21	47	2	41	112E	2	17	119E	365
150	1	1	3	0.30	0.59	5	43	5	2	69	58E	2	67	65E	52
150	1	2	3	0.30	0.59	5	48	24	2	51	84E	2	49	85E	37
150	1	3	18	1.78	3.56	5	49	36	2	47	87E	2	28	94E	289
151	1	1	4	0.40	0.79	7	12	15	2	70	34E	2	67	43E	64
151	1	2	3	0.30	0.59	7	14	13	2	64	48E	2	62	51E	40
151	1	3	20	1.98	3.96	7	16	49	2	55	59E	2	34	69E	327
152	1	1	2	0.20	0.40	8	44	16	2	62	29E	2	60	31E	24
152	1	2	14	1.39	2.77	8	45	20	2	58	33E	2	44	43E	229
153	2	1	3	0.30	0.59	10	16	25	2	52	16E	2	49	18E	53
159	4	0	3	0.30	0.59	19	17	26	2	33	110W	2	31	109W	39
162	8	1	12	1.19	2.38	23	35	19	2	70	147E	2	59	167E	200
163	8	1	12	1.19	2.38	1	5	2	2	69	127E	2	58	146E	204
163	8	2	6	0.59	1.19	1	11	7	2	48	153E	2	42	156E	89
164	8	1	10	0.99	1.98	2	40	36	2	47	131E	2	37	135E	165
165	4	1	3	0.30	0.59	4	7	23	2	57	101E	2	54	104E	47
165	4	2	25	2.47	4.95	4	11	23	2	42	111E	2	17	119E	388
166	6	1	18	1.78	3.56	5	35	17	2	62	73E	2	45	87E	283
167	4	1	2	0.20	0.40	7	2	4	2	70	34E	2	68	40E	43
167	4	2	3	0.30	0.59	7	4	11	2	63	48E	2	61	52E	39
167	4	3	18	1.78	3.56	7	6	38	2	55	58E	2	37	68E	280
168	1	1	17	1.68	3.37	8	34	33	2	60	31E	2	43	43E	273
169	6	1	11	1.09	2.18	10	15	37	2	15	29E	2	3	31E	184

NOTE - TLM DATA INDICATES THAT THE AFT PAN CAMERA 183 WAS NOT TRANSPORTING FILM DURING REV 114 TO 120 OPERATIONS. THE FRAMES REPORTED FOR THESE OPERATIONS REPRESENT CYCLE COUNTER READINGS RATHER THAN ACTUAL FRAMES METERED. ALL OPERATIONS SUBSEQUENT TO 120-1-0 WERE MADE IN THE MONO 1 MODE.

NOTE - FIVE OF THE FRAMES REPORTED FOR REV 111 ARE ACTUALLY IN THE FIRST MISSION RECOVERY BUCKET.

NOTE - OPERATION 113-0-0 IS THE CUT/WRAP OPERATION OCCURRING AT FIRST MISSION RECOVERY.

A. 1031-2
B. DRY
C. PERFORMANCE ESTIMATE PART TWO

RATE ESTIMATE
FWD PAN CAMERA NUMBER 184

OPN	NO	FR	R	A	TUR/ DUR	INST CPS	INST ANG VEL	SCAN RATE R/SEC	RATE I/SEC	PCT CALIB	RATE REQD
111	4 1	10	6	5 ON	1005	0.4294	0.03624	2.698	64.76	-5.1	1.3
				OFF	25	0.4301	0.03629	2.703	64.86	-5.1	1.3
113	0 0	4	6	5 ON	0	0.2486	0.02097	1.562	37.48	-5.1	-59.3
				OFF	23	0.2486	0.02097	1.562	37.48	-5.1	-60.2
114	1 1	26	6	5 ON	1139	0.3482	0.02938	2.188	52.50	-5.1	-5.2
				OFF	71	0.3600	0.03037	2.262	54.28	-5.1	-3.7
114	1 2	50	6	5 ON	1332	0.3805	0.03210	2.391	57.38	-5.1	-1.2
				OFF	126	0.3984	0.03362	2.504	60.08	-5.1	0.3
116	1 1	20	6	5 ON	1079	0.3382	0.02853	2.125	50.99	-5.1	-6.7
				OFF	59	0.3473	0.02931	2.182	52.37	-5.1	-5.5
116	1 2	85	6	5 ON	1272	0.3700	0.03129	2.330	55.91	-5.1	-2.4
				OFF	215	0.4023	0.03394	2.527	60.66	-5.1	0.6
116	1 3	52	6	5 ON	1587	0.4141	0.03494	2.602	62.45	-5.1	1.4
				OFF	121	0.4242	0.03579	2.665	63.97	-5.1	1.7
117	1 1	46	6	5 ON	1131	0.3468	0.02926	2.179	52.29	-5.1	-5.5
				OFF	126	0.3679	0.03104	2.312	55.48	-5.1	-2.8
117	1 2	36	6	5 ON	1476	0.4012	0.03385	2.521	60.50	-5.1	0.5
				OFF	87	0.4113	0.03470	2.584	62.02	-5.1	1.1
117	1 3	148	6	5 ON	1667	0.4214	0.03556	2.648	63.55	-5.1	1.6
				OFF	336	0.4301	0.03629	2.702	64.85	-5.1	0.8
118	1 1	55	6	5 ON	1161	0.3611	0.03047	2.269	54.46	-2.6	-2.2
				OFF	147	0.3868	0.03257	2.426	58.21	-2.6	0.7
118	1 2	16	6	5 ON	1385	0.3987	0.03364	2.505	60.12	-2.6	2.0
				OFF	40	0.4041	0.03410	2.539	60.94	-2.6	2.4
118	1 3	39	6	5 ON	1528	0.4183	0.03530	2.629	63.08	-2.6	3.5
				OFF	93	0.4281	0.03612	2.690	64.55	-2.6	3.9
118	1 4	70	6	5 ON	1731	0.4370	0.03688	2.746	65.90	-2.6	4.2
				OFF	159	0.4425	0.03734	2.780	66.73	-2.6	3.9
120	1 0	12	6	5 ON	273	0.2622	0.02213	1.648	39.54	-2.6	-14.7
				OFF	47	0.2646	0.02233	1.663	39.91	-2.6	-14.7
120	3 1	42	6	5 ON	1556	0.4216	0.03557	2.649	63.57	-2.6	3.7
				OFF	99	0.4312	0.03638	2.709	65.02	-2.6	4.0
127	4 0	16	6	5 ON	1826	0.4414	0.03724	2.773	66.56	-2.6	4.2
				OFF	38	0.4422	0.03731	2.778	66.68	-2.6	4.1
130	4 1	52	6	5 ON	1241	0.3752	0.03166	2.357	56.58	-2.6	-0.7
				OFF	136	0.3970	0.03350	2.494	59.86	-2.6	1.6
131	4 1	61	6	5 ON	1221	0.3718	0.03137	2.336	56.07	-2.6	-1.2
				OFF	158	0.3974	0.03353	2.497	59.93	-2.6	1.6
133	6 1	168	6	5 ON	1707	0.4355	0.03674	2.736	65.67	-2.6	4.2
				OFF	379	0.4377	0.03693	2.750	66.00	-2.6	2.9
134	1 1	48	6	5 ON	1204	0.3696	0.03119	2.322	55.73	-2.4	-1.4
				OFF	126	0.3904	0.03294	2.453	58.88	-2.4	1.0

134	1	2	121	6	5	ON	1559	0.4238	0.03569	2.658	63.78	-2.4	3.8
						OFF	277	0.4426	0.03734	2.781	66.74	-2.4	4.3
135	7	1	16	6	5	ON	1238	0.3741	0.03157	2.351	56.42	-2.4	-0.8
						OFF	42	0.3889	0.03214	2.393	57.44	-2.4	-0.1
135	7	2	43	6	5	ON	1453	0.4096	0.03456	2.573	61.76	-2.4	2.9
						OFF	184	0.4223	0.03563	2.653	63.68	-2.4	3.7
135	7	3	65	6	5	ON	1672	0.4339	0.03661	2.726	65.43	-2.4	4.4
						OFF	149	0.4421	0.03731	2.778	66.67	-2.4	4.3
136	3	1	43	6	5	ON	1586	0.4166	0.03515	2.618	62.82	-2.4	3.4
						OFF	182	0.4279	0.03610	2.688	64.52	-2.4	4.1
143	4	0	17	6	5	ON	1859	0.4432	0.03740	2.785	66.83	-2.4	4.4
						OFF	40	0.4436	0.03743	2.787	66.90	-2.4	4.3
146	8	1	75	6	5	ON	1252	0.3780	0.03190	2.375	57.00	-2.4	-0.6
						OFF	191	0.4078	0.03441	2.562	61.49	-2.4	2.6
149	1	1	21	6	5	ON	1145	0.3592	0.03031	2.257	54.17	-2.4	-3.3
						OFF	59	0.3691	0.03114	2.319	55.65	-2.4	-1.9
149	1	2	16	6	5	ON	1586	0.4167	0.03516	2.618	62.83	-2.4	3.4
						OFF	39	0.4210	0.03553	2.645	63.49	-2.4	3.7
149	1	3	161	6	5	ON	1754	0.4394	0.03708	2.761	66.26	-2.4	4.6
						OFF	365	0.4366	0.03684	2.743	65.83	-2.4	2.9
150	1	1	20	6	5	ON	1271	0.3790	0.03198	2.381	57.15	-3.0	-0.9
						OFF	52	0.3871	0.03266	2.432	58.37	-3.0	0.0
150	1	2	16	6	5	ON	1591	0.4239	0.03576	2.663	63.92	-3.0	3.5
						OFF	37	0.4272	0.03605	2.684	64.42	-3.0	3.6
150	1	3	127	6	5	ON	1663	0.4306	0.03633	2.706	64.93	-3.0	3.8
						OFF	289	0.4408	0.03719	2.770	66.47	-3.0	3.5
151	1	1	24	6	5	ON	1262	0.3774	0.03184	2.371	56.91	-3.0	-1.1
						OFF	64	0.3875	0.03270	2.435	58.44	-3.0	0.1
151	1	2	16	6	5	ON	1380	0.3965	0.03345	2.491	59.79	-3.0	1.1
						OFF	40	0.4020	0.03392	2.526	60.62	-3.0	1.6
151	1	3	141	6	5	ON	1535	0.4177	0.03525	2.625	62.99	-3.0	3.1
						OFF	327	0.4406	0.03717	2.768	66.44	-3.0	3.8
152	1	1	10	6	5	ON	1421	0.4027	0.03398	2.530	60.73	-3.0	1.7
						OFF	24	0.4057	0.03423	2.549	61.18	-3.0	2.0
152	1	2	97	6	5	ON	1485	0.4115	0.03472	2.585	62.05	-3.0	2.5
						OFF	229	0.4342	0.03663	2.728	65.47	-3.0	3.9
153	2	1	22	6	5	ON	1590	0.4238	0.03576	2.663	63.91	-3.0	3.4
						OFF	53	0.4286	0.03616	2.693	64.63	-3.0	3.7
159	4	0	16	6	5	ON	1890	0.4410	0.03721	2.771	66.49	-3.0	3.7
						OFF	39	0.4410	0.03721	2.771	66.50	-3.0	3.6
162	8	1	83	6	5	ON	1284	0.3833	0.03234	2.408	57.80	-2.4	-0.4
						OFF	208	0.4143	0.03496	2.603	62.48	-2.4	3.0
163	8	1	82	6	5	ON	1307	0.3873	0.03268	2.433	58.40	-2.4	0.1
						OFF	204	0.4168	0.03517	2.619	62.86	-2.4	3.2
163	8	2	38	6	5	ON	1672	0.4339	0.03661	2.726	65.43	-2.4	4.4
						OFF	89	0.4396	0.03709	2.762	66.29	-2.4	4.5
164	8	1	72	6	5	ON	1682	0.4347	0.03668	2.731	65.55	-2.4	4.4
						OFF	165	0.4429	0.03737	2.783	66.78	-2.4	4.4
165	4	1	19	6	5	ON	1529	0.4195	0.03539	2.636	63.25	-2.4	3.4
						OFF	47	0.4245	0.03582	2.667	64.01	-2.4	3.7
165	4	2	171	6	5	ON	1778	0.4482	0.03714	2.766	66.38	-2.4	4.5

						OFF	388	0.4337	0.03659	2.725	65.48	-2.4	2.6
166	6	1	121	6	5	ON	1445	0.4885	0.03447	2.566	61.59	-2.4	2.4
						OFF	283	0.4377	0.03693	2.758	66.08	-2.4	4.5
167	4	1	16	6	5	ON	1294	0.3858	0.03249	2.419	58.06	-2.4	-0.3
						OFF	43	0.3916	0.03384	2.468	59.05	-2.4	0.5
167	4	2	15	6	5	ON	1421	0.4058	0.03417	2.544	61.07	-2.4	2.0
						OFF	39	0.4188	0.03468	2.576	61.83	-2.4	2.5
167	4	3	124	6	5	ON	1568	0.4239	0.03577	2.664	63.92	-2.4	3.7
						OFF	288	0.4438	0.03738	2.784	66.81	-2.4	4.4
168	1	1	117	6	5	ON	1483	0.4136	0.03498	2.599	62.36	-2.4	2.9
						OFF	273	0.4393	0.03707	2.768	66.24	-2.4	4.5
169	6	1	79	6	5	ON	2198	0.4306	0.03634	2.706	64.94	-2.4	2.2
						OFF	184	0.4097	0.03457	2.574	61.77	-2.4	0.1

RATE ESTIMATE

AFT PAN CAMERA NUMBER 185

OPN	NO	FR	R	A	TUR/ DUR	INST CPS	INST ANG VEL	SCAN R/SEC	RATE 1/SEC	PCT CALIB	RATE REQD
111	4	1	10	6	5 ON	1817	0.4092	0.03453	2.571	61.78	-9.6	-3.7
					OFF	25	0.4098	0.03458	2.575	61.80	-9.6	-3.7
113	0	0	4	6	5 ON	12	0.2368	0.01998	1.488	35.71	-9.6	-67.7
					OFF	23	0.2368	0.01998	1.488	35.71	-9.6	-68.6
114	1	1	24	6	5 ON	1151	0.3318	0.02799	2.084	50.03	-9.6	-10.8
					OFF	71	0.3430	0.02894	2.155	51.72	-9.6	-9.2
114	1	2	48	6	5 ON	1344	0.3625	0.03059	2.278	54.67	-9.6	-6.6
					OFF	126	0.3796	0.03203	2.385	57.25	-9.6	-4.9
116	1	1	20	6	5 ON	1091	0.3222	0.02719	2.024	48.59	-9.6	-12.3
					OFF	59	0.3389	0.02792	2.079	49.90	-9.6	-11.1
116	1	2	81	6	5 ON	1284	0.3533	0.02981	2.220	53.28	-9.6	-7.8
					OFF	215	0.3833	0.03234	2.408	57.80	-9.6	-4.6
116	1	3	49	6	5 ON	1599	0.3946	0.03330	2.479	59.50	-9.6	-3.8
					OFF	121	0.4042	0.03411	2.540	60.95	-9.6	-3.4
117	1	1	43	6	5 ON	1143	0.3304	0.02788	2.076	49.83	-9.6	-11.1
					OFF	126	0.3505	0.02958	2.203	52.86	-9.6	-8.2
117	1	2	34	6	5 ON	1488	0.3823	0.03226	2.402	57.65	-9.6	-4.7
					OFF	87	0.3918	0.03306	2.462	59.09	-9.6	-4.0
117	1	3	139	6	5 ON	1679	0.4015	0.03388	2.523	60.55	-9.6	-3.4
					OFF	336	0.4098	0.03458	2.575	61.79	-9.6	-4.1
118	1	1	52	6	5 ON	1173	0.3231	0.02726	2.030	48.72	-12.9	-14.6
					OFF	147	0.3454	0.02914	2.170	52.08	-12.9	-11.3
118	1	2	15	6	5 ON	1397	0.3567	0.03010	2.241	53.79	-12.9	-9.8
					OFF	40	0.3616	0.03051	2.272	54.52	-12.9	-9.4
118	1	3	37	6	5 ON	1540	0.3743	0.03158	2.352	56.44	-12.9	-8.1
					OFF	93	0.3830	0.03232	2.406	57.75	-12.9	-7.6
118	1	4	66	6	5 ON	1743	0.3910	0.03299	2.457	58.96	-12.9	-7.2
					OFF	159	0.3959	0.03341	2.488	59.70	-12.9	-7.5
120	1	0	11	6	5 ON	285	0.2346	0.01980	1.474	35.38	-12.9	-28.5
					OFF	47	0.2368	0.01998	1.488	35.70	-12.9	-28.5

RAMP PROFILE
R= 6 A= 5 PERIOD= 3825
R= 0.3582 A= 0.0963

TUR	PER	CPS	ANG V
-0	3.818	0.2619	0.02369
100	3.804	0.2629	0.02378
200	3.761	0.2659	0.02404
300	3.694	0.2707	0.02448
400	3.605	0.2774	0.02509
500	3.500	0.2857	0.02584
600	3.384	0.2955	0.02673
700	3.261	0.3067	0.02774
800	3.136	0.3189	0.02884
900	3.013	0.3318	0.03001
1000	2.895	0.3454	0.03124
1100	2.782	0.3595	0.03252
1200	2.647	0.3778	0.03417
1300	2.529	0.3954	0.03576
1400	2.429	0.4117	0.03723
1500	2.348	0.4259	0.03852
1600	2.284	0.4377	0.03959
1700	2.239	0.4466	0.04039
1800	2.211	0.4523	0.04091
1900	2.200	0.4545	0.04110
2000	2.207	0.4531	0.04099
2100	2.230	0.4483	0.04055
2200	2.271	0.4402	0.03982
2300	2.330	0.4291	0.03881
2400	2.407	0.4154	0.03757
2500	2.502	0.3996	0.03615
2600	2.616	0.3823	0.03458
2700	2.746	0.3641	0.03293
2800	2.867	0.3488	0.03155
2900	2.983	0.3352	0.03032
3000	3.105	0.3220	0.02913
3100	3.230	0.3096	0.02800
3200	3.353	0.2982	0.02697
3300	3.472	0.2880	0.02605
3400	3.580	0.2793	0.02526
3500	3.674	0.2722	0.02462
3600	3.747	0.2669	0.02414
3700	3.796	0.2635	0.02383
3800	3.817	0.2620	0.02369

CLOCK SUMMARY

SYS TIME I/P	ORDER FIT I CL TIME I/P	COMP SYS TM	DELTA ST	REV	STA
0.40899678D 05	0.12021458 6D 06	0.40899679 5D 05	-0.0015	9	[redacted]
0.79318798D 05	0.15942568 3D 06	0.79318793 1D 05	0.0049	16	[redacted]
0.39747260D 05	0.28626212 5D 06	0.39747254 9D 05	0.0051	25	[redacted]

0.789338860 05	0.245448743D 06	0.789338895D 05	-0.0035	32
0.393443780 05	0.292259221D 06	0.393443873D 05	-0.0093	41
0.785317280 05	0.331446544D 06	0.785317268D 05	0.0012	48
0.389324680 05	0.378247271D 06	0.389324736D 05	-0.0056	57
0.781445780 05	0.417459350D 06	0.781445692D 05	0.0088	64

A0=-0.0011495730D 05 A1= 0.100000042830 01
SIGMA=0.00538 NO. POINTS= 8
RATIO OF CLOCK TIME TO SYS TIME= 0.999999577171D 00

ORDER FIT 1

SYS TIME I/P	CL TIME I/P	COMP SYS TM	DELTA ST	REV	STA
0.384801480 05	0.464227670D 06	0.384801440D 05	0.0040	73	
0.721987430 05	0.497946250D 06	0.721987398D 05	0.0032	79	
0.380225120 05	0.132998830D 05	0.380225092D 05	0.0028	89	
0.717120830 05	0.469886360D 05	0.717120779D 05	0.0051	95	
0.375371230 05	0.992136560D 05	0.375371223D 05	0.0007	105	
0.712547980 05	0.132931340D 06	0.712548220D 05	-0.0240	111	
0.314978190 05	0.179574323D 06	0.314978268D 05	-0.0078	120	
0.706742180 05	0.218758689D 06	0.706742111D 05	-0.0011	127	
0.309566980 05	0.265433147D 06	0.309566909D 05	0.0071	136	
0.701181180 05	0.304594546D 06	0.701181082D 05	0.0098	143	

A0=-0.42574774270 06 A1= 0.100000046690 01
SIGMA=0.00877 NO. POINTS= 10
RATIO OF CLOCK TIME TO SYS TIME= 0.999999533097D 00

ORDER FIT 1

SYS TIME I/P	CL TIME I/P	COMP SYS TM	DELTA ST	REV	STA
0.304205690 05	0.351329747D 06	0.304205785D 05	-0.0015	152	
0.695179980 05	0.398427157D 06	0.695179957D 05	0.0023	159	
0.298221300 05	0.437131271D 06	0.298221279D 05	0.0021	168	
0.352762330 05	0.442585377D 06	0.352762360D 05	-0.0030	169	

A0=-0.32090931340 06 A1= 0.100000038948D 01
SIGMA=0.00205 NO. POINTS= 4
RATIO OF CLOCK TIME TO SYS TIME= 0.999999618518D 00

ORDER FIT 2

SYS TIME I/P	CL TIME I/P	COMP SYS TM	DELTA ST	REV	STA
0.408996780 05	0.120214586D 06	0.408996833D 05	-0.0053	9	
0.793107980 05	0.159425683D 06	0.793107938D 05	0.0042	16	
0.397472600 05	0.206262125D 06	0.397472532D 05	0.0068	25	
0.789338860 05	0.245448743D 06	0.789338867D 05	-0.0007	32	
0.393443780 05	0.292259221D 06	0.393443845D 05	-0.0065	41	
0.785317280 05	0.331446544D 06	0.785317251D 05	0.0029	48	
0.389324680 05	0.378247271D 06	0.389324743D 05	-0.0063	57	
0.781445780 05	0.417459350D 06	0.781445730D 05	0.0050	64	

A0=-0.0011493812D 05 A1= 0.100000025823D 01
A2= 0.3061320482755D-12
SIGMA=0.00482 NO. POINTS= 8

ORDER FIT 2

SYS TIME I/P	CL TIME I/P	COMP SYS TM	DELTA ST	REV	STA

0.38480148D 05	0.464227670D 06	0.384801529D 05	-0.0049	73	[redacted]
0.72198743D 05	0.497946250D 06	0.721987437D 05	-0.0007	79	
0.38022512D 05	0.132990830D 05	0.380225072D 05	0.0048	89	
0.71712083D 05	0.469886360D 05	0.717120734D 05	0.0096	95	
0.37537123D 05	0.992136560D 05	0.375371159D 05	0.0071	105	
0.71254798D 05	0.132931340D 06	0.712548157D 05	-0.0177	111	
0.31497819D 05	0.179574323D 06	0.314978221D 05	-0.0031	120	
0.70674210D 05	0.218750689D 06	0.706742093D 05	0.0007	127	
0.30956698D 05	0.265433147D 06	0.309566943D 05	0.0037	136	
0.70118118D 05	0.304594546D 06	0.701181174D 05	0.0006	143	

A0=-0.4257475636D 06 A1= 0.999999897411D 00
A2= 0.4368166742065D-12
SIGMA=0.00692 NO. POINTS= 10

ORDER FIT 2

SYS TIME I/P	CL TIME I/P	COMP SYS TM	DELTA ST	REV	STA
0.30420569D 05	0.351329747D 06	0.304205688D 05	0.0002	152	[redacted]
0.69517998D 05	0.390427157D 06	0.695179985D 05	-0.0005	159	
0.29822130D 05	0.437131271D 06	0.298221277D 05	0.0023	168	
0.35276233D 05	0.442585377D 06	0.352762349D 05	-0.0019	169	

A0=-0.3209096394D 06 A1= 0.100000204119D 01
A2=-0.2073105871991D-11
SIGMA=0.00135 NO. POINTS= 4

CLOCK OPERATIONS
FWD PAN CAMERA NUMBER 184

OPN	NO	FR		H	M	S	DEC	BINARY
111	4 1	10	ON	19	46	44	132880	00111111010111001011010000000
			OFF	19	47	9	132905	00111111010111111100000101000
113	0 0	4	ON	22	38	55	143211	01000100010010011100111111000
			OFF	22	39	18	143234	01000100010011001001111010000
114	1 1	26	ON	0	3	15	148271	01000110101100110111110011000
			OFF	0	4	26	148342	01000110101111000010011110000
114	1 2	50	ON	0	6	27	148464	01000110110010110000110000000
			OFF	0	8	33	148590	01000110110110100110110110000
116	1 1	20	ON	3	1	5	158941	01001011110010011111101001000
			OFF	3	2	4	159000	01001011110100010010111000000
116	1 2	85	ON	3	4	18	159134	01001011111000011000100110000
			OFF	3	7	53	159349	01001011111110111100100001000
116	1 3	52	ON	3	9	32	159449	01001100000001111111110101000
			OFF	3	11	33	159570	01001100000101101100001010000
117	1 1	46	ON	4	31	22	164359	01001110010111110101101011000
			OFF	4	33	28	164485	01001110011011101011110001000
117	1 2	36	ON	4	37	6	164703	01001110100010010101100011000
			OFF	4	38	33	164790	01001110100100111111011110000
117	1 3	148	ON	4	40	18	164894	01001110101000001010100110000
			OFF	4	45	54	165230	01001110110010011010110110000
118	1 1	55	ON	6	1	16	169752	01010000111100011010111000000
			OFF	6	3	43	169899	01010001000000111001111111000
118	1 2	16	ON	6	5	0	169976	01010001000011010000011000000

				OFF	6	5	40	170016	0101000100010001111010000000
118	1	3	39	ON	6	7	23	170119	0101000100011110011110101100
				OFF	6	8	56	170212	0101000100101001110101010000
118	1	4	70	ON	6	10	46	170322	0101000100110111010000101000
				OFF	6	13	25	170481	0101000101001010101010110100
120	1	0	12	ON	8	45	16	179593	0101010110100010111110010100
				OFF	8	46	3	179640	0101010110101000101101100000
120	3	1	42	ON	9	6	39	180875	0101011000111111011101111100
				OFF	9	8	18	180974	0101011001001011100011011000
127	4	0	16	ON	19	36	57	218694	0110100001001000000010111000
				OFF	19	37	35	218732	0110100001001100101011110000
130	4	1	52	ON	23	55	24	234200	0110111110101100110111100000
				OFF	23	57	40	234336	0110111110111101011110000000
131	4	1	61	ON	1	24	26	239543	0111001000111001000101101100
				OFF	1	27	4	239701	0111001001001100011000000100
133	6	1	168	ON	4	31	15	250752	0111011110010001011000000000
				OFF	4	37	34	251131	0111011110111111101000111100
134	1	1	48	ON	5	52	15	255611	0111100111100010100000111100
				OFF	5	54	21	255737	0111100111110001111001010100
134	1	2	121	ON	5	58	10	255966	0111101000001101110110011000
				OFF	6	2	47	256243	0111101000101111101010011100
135	7	1	16	ON	7	22	2	260999	0111110001110100001110101100
				OFF	7	22	44	261041	0111110001111001010110110100
135	7	2	43	ON	7	25	45	261222	0111110010001111011100111000
				OFF	7	27	29	261326	0111110010011100001001011000
135	7	3	65	ON	7	29	24	261441	0111110010101010001011110100
				OFF	7	31	53	261590	0111110010111100010111111000
136	3	1	43	ON	8	55	59	266636	0111111100100100010101110000
				OFF	8	57	41	266738	0111111100110000110010101000
143	4	0	17	ON	19	27	26	304522	1001000100110101000110001000
				OFF	19	28	6	304562	1001000100111001111110101000
146	8	1	75	ON	23	45	25	320034	1001100010011010101001101000
				OFF	23	48	36	320225	1001100010110001111101110100
149	1	1	21	ON	4	11	38	336007	1010000000111000011110101100
				OFF	4	12	37	336066	1010000000111111101011101000
149	1	2	16	ON	4	17	39	336368	1010000001100100100011000000
				OFF	4	18	18	336407	1010000001101001010011101100
149	1	3	161	ON	4	21	47	336616	1010000010000010110100100000
				OFF	4	27	52	336981	1010000010101111011000000100
150	1	1	20	ON	5	43	5	341494	1010001011010110010001111000
				OFF	5	43	57	341546	1010001011011100101000001000
150	1	2	16	ON	5	48	24	341813	1010001011111101001110000100
				OFF	5	49	1	341850	1010001100000001101111001000
150	1	3	127	ON	5	49	36	341885	1010001100000110000000100100
				OFF	5	54	25	342174	1010001100101001010010011000
151	1	1	24	ON	7	12	15	346844	1010010101100011010110110000
				OFF	7	13	19	346908	1010010101101011001010110000
151	1	2	16	ON	7	14	13	346962	1010010101110001110000101000
				OFF	7	14	53	347002	1010010101110110101001001000
151	1	3	141	ON	7	16	49	347118	1010010110000100110011011000
				OFF	7	22	16	347445	1010010110101100101110000100

152	1	1	10	ON	8	44	16	352365	1010100000000101010011100100
				OFF	8	44	49	352389	1010100000001000001111001000
152	1	2	97	ON	8	45	28	352429	1010100000000110100011110001000
				OFF	8	49	9	352658	1010100000101001000100101000
153	2	1	22	ON	10	16	25	357894	1010101010100000111011110000
				OFF	10	17	18	357947	1010101010101110101100111100
159	4	8	16	ON	19	17	26	398355	1011110000100010110000011000
				OFF	19	18	5	398394	1011110000100111100001001000
162	8	1	83	ON	23	35	19	405828	1100000110000011100011010000
				OFF	23	38	47	406036	1100000110011100111100010000
163	8	1	82	ON	1	5	2	411211	1100010000010100101001111000
				OFF	1	8	26	411415	1100010000101101100011101100
163	8	2	38	ON	1	11	7	411576	1100010001000001001101100000
				OFF	1	12	36	411665	1100010001001100000100110100
164	8	1	72	ON	2	40	36	416945	1100011011010000100110110100
				OFF	2	43	21	417110	1100011011100100010111111000
165	4	1	19	ON	4	7	23	422151	1100100101001100000110101100
				OFF	4	8	10	422198	1100100101010000111010111000
165	4	2	171	ON	4	11	23	422392	1100100101101001100001100000
				OFF	4	17	51	422780	1100100110011000111000110000
166	6	1	121	ON	5	35	17	427426	1100101111010000000011010000
				OFF	5	40	0	427700	1100101111111001010010010000
167	4	1	16	ON	7	2	4	432633	1100111001001011110100101000
				OFF	7	2	47	432676	1100111001010000111001010000
167	4	2	15	ON	7	4	11	432760	1100111001011011001001100000
				OFF	7	4	50	432799	1100111001011111111100011000
167	4	3	124	ON	7	6	38	432987	1100111001101101000101111000
				OFF	7	11	26	433195	1100111010010000001111111000
168	1	1	117	ON	8	34	33	438181	1101000011110000011001000100
				OFF	8	39	6	438454	1101000100010010001101111000
169	6	1	79	ON	10	15	37	444246	1101001111010101001111110000
				OFF	10	18	41	444430	1101001111101011101101110000

CLOCK OPERATIONS
AFT PAN CAMERA NUMBER 185

OPN	NO	FR		H	M	S	DEC	BINARY
111	4	1	10	ON	19	46	56	132892	00111111010111100010101100000
				OFF	19	47	21	132917	00111111011000010011100001000
113	0	0	4	ON	22	39	7	143224	01000100010010110110011000000
				OFF	22	39	30	143247	01000100010011100011101001000
114	1	1	24	ON	0	3	27	148284	01000110101101010000100110000
				OFF	0	4	38	148355	01000110101111011101110111000
114	1	2	48	ON	0	6	39	148476	01000110110011000000001100000
				OFF	0	8	45	148602	01000110110110111110010010000
116	1	1	20	ON	3	1	17	158953	01001011110010110111000101000
				OFF	3	2	16	159012	01001011110100101010010100000
116	1	2	81	ON	3	4	30	159147	01001011111000011000111111000
				OFF	3	8	5	159362	01001011111111010101111010000
116	1	3	49	ON	3	9	44	159461	01001100000010010111010001000
				OFF	3	11	45	159582	01001100000110000011100110000

117	1	1	43	ON	4	31	34	164371	0100111001100000110100001110000
				OFF	4	33	40	164497	0100111001110000001100011100000
117	1	2	34	ON	4	37	18	164715	0100111010001010110001111110000
				OFF	4	38	45	164882	0100111010010101011001110100000
117	1	3	139	ON	4	40	39	164986	0100111010100010000100000100000
				OFF	4	46	6	165242	0100111011001011001000100100000
118	1	1	52	ON	6	1	28	169765	0101000011110011010000100001000
				OFF	6	3	55	169912	0101000100000101001011011000000
118	1	2	15	ON	6	5	12	169989	0101000100001110100111000001000
				OFF	6	5	52	170029	0101000100010011011111110001000
118	1	3	37	ON	6	7	35	170132	0101000100100000000100001000000
				OFF	6	9	8	170225	0101000100101011011010110101000
118	1	4	66	ON	6	10	58	170334	0101000100110000101110001100000
				OFF	6	13	37	170493	0101000101001100000100001001000
120	1	0	11	ON	8	45	28	179605	0101010110100100011100000001000
				OFF	8	46	15	179652	0101010110101010001011010000000

NOTE - TLM DATA INDICATES THAT THE AFT PAN CAMERA 185 WAS NOT TRANSPORTING FILM DURING REV 114 TO 120 OPERATIONS. THE FRAMES REPORTED FOR THESE OPERATIONS REPRESENT CYCLE COUNTER READINGS RATHER THAN ACTUAL FRAMES METERED. ALL OPERATIONS SUBSEQUENT TO 120-1-0 WERE MADE IN THE MONO 1 MODE.

NOTE - FIVE OF THE FRAMES REPORTED FOR REV 111 ARE ACTUALLY IN THE FIRST MISSION RECOVERY BUCKET.

NOTE - OPERATION 113-0-0 IS THE CUT/WRAP OPERATION OCCURRING AT FIRST MISSION RECOVERY.

NOTE - TLM DATA INDICATED A DISCREPANCY OF APPROXIMATELY 32.75 SECONDS BETWEEN THE ACQUISTIONS FOR REVS 143 AND 152, SIMILAR TO THAT WHICH OCCURRED DURING THE FIRST MISSION BETWEEN REVS 64 AND 73. CLOCK ACCURACY DOES NOT APPEAR TO BE AFFECTED IN EITHER CASE. THE CLOCK SUMMARY IS PRESENTED IN THREE SECTIONS DUE TO THESE DISCONTINUITIES.