

~~TOP SECRET~~

14-00000  
14 000423710

[REDACTED]

CORONA "J"

FLIGHT DATA

[REDACTED]

1033-2

Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997

~~TOP SECRET~~

4 PAGES  
(NOT INCLUDING PEST)

CORONA J-FLIGHT DATA BOOK

SYSTEM NO. J-33

VEHICLE NO. 1638

MISSION NO. 1833-2

CAMERA NOS. 194/195

DATE 6-84-66

PAGE 1

SYSTEM NO. J-33  
VEHICLE NO. 1630  
MISSION NO. 1033-2  
CAMERA NOS. 194/195

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SYSTEM NO. J-33  
VEHICLE NO. 1630  
MISSION NO. 1033-2  
CAMERA NOS. 194/195

GENERAL FLIGHT DATA

MASTER CAMERA SERIAL NO. 194

SLAVE CAMERA SERIAL NO. 195

S/I -1 SERIAL NO. D91/105/109

S/I -2 SERIAL NO. D84/75/102

LAUNCH DATE 5-24-66

REACTIVATION DATE N/A

REACTIVATION ORBIT N/A

ORBITAL PARAMETERS (REV. 130)

PERIOD 88.826 MIN

ECCENTRICITY 0.00717

PERIGEE 100.450 NM

PERIGEE LAT. 63.744

APOGEE 151.460 NM

INCL. ANGLE 66.832

RECOVERY ORBIT NO. 178

RECOVERY DATE 6-04-66

SYSTEM NO. J-33  
VEHICLE NO. 1638  
MISSION NO. 1033-2  
CAMERA NOS. 194/195

CYCLE PERIOD DATA

V/H RAMP SETTING LEVEL	AMPLITUDE	TIME UP RAMP-SEC	---CALIBRATED---		---IN-FLIGHT---		ORB CYCLE PERIOD-SEC NO.
			MASTER	SLAVE	MASTER	SLAVE	
3	8	1640	2.230	2.220	2.242	2.220	90
3	8	3095	2.633	2.610	2.660	2.640	96
3	8	2895	2.541	2.520	2.545	2.533	112
3	8	2895	2.541	2.520	2.570	2.560	128
2	8	3095	2.534	2.512	2.530	2.531	144
2	8	3095	2.534	2.512	2.590	2.520	160

NOTE

AN \* OR -0 INDICATES NO DATA AVAILABLE.

B. DRY

## C. PERFORMANCE ESTIMATE PART ONE

## OPERATIONS SUMMARY

FWD PAN CAMERA		NUMBER		194											
OPN	NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM		
82	6	1	78	ON	1 39 6	57 59E	681881	622929	29	3	18	43	7 2	11443	
				OFF	1 48 56	66 44E	688158	621972	29	3	13	38	748	11618	
82	8	8	3	ON	2 54 9	174 15E	646861	669597	29	3	28	41	15 5	12521	
				OFF	2 53 0	175 58E	647881	671485	29	3	29	4	1513	12544	
83	4	1	54	ON	1 47 1	42 14E	599629	621422	29	4	41	58	738	16918	
				OFF	1 53 29	58 7E	681242	623897	29	4	43	53	8 4	17833	
83	4	2	22	ON	1 56 48	55 27E	682938	624856	29	4	44	59	826	17899	
				OFF	1 58 56	68 17E	684688	626588	29	4	45	58	846	17158	
84	4	1	117	ON	1 47 5	19 48E	599338	621113	29	6	18	38	729	22238	
				OFF	1 59 58	48 25E	685295	627381	29	6	15	2	856	22582	
85	4	1	19	ON	2 52 17	189 32E	648553	672182	29	7	55	48	1513	28548	
				OFF	2 49 44	112 46E	652554	676333	29	7	56	29	1527	28589	
86	4	1	11	ON	2 55 44	81 43E	642926	666344	29	9	23	16	1458	33796	
				OFF	2 54 17	84 8E	645237	668741	29	9	23	46	15 8	33826	
86	4	2	11	ON	2 41 53	97 52E	665888	689247	29	9	27	37	1559	34857	
				OFF	2 48 8	99 12E	667893	692249	29	9	28	7	16 4	34887	
87	4	1	45	ON	2 64 59	28 42E	624558	647286	29	18	47	41	1242	38861	
				OFF	2 61 58	44 8E	631918	654923	29	18	49	32	1345	38972	
87	4	2	16	ON	2 58 12	54 23E	638714	661974	29	18	51	9	1428	39869	
				OFF	2 56 19	58 11E	641829	665286	29	18	51	51	1444	39111	
87	4	3	11	ON	2 51 48	65 14E	649885	672651	29	18	53	22	1514	39282	
				OFF	2 58 15	67 12E	651458	675188	29	18	53	52	1522	39232	
87	4	4	11	ON	2 46 49	78 58E	656868	688881	29	18	54	56	1538	39296	
				OFF	2 45 13	72 31E	659418	683455	29	18	55	25	1545	39325	
88	3	1	121	ON	2 61 11	24 6E	633271	656326	29	12	18	41	1355	44321	
				OFF	2 47 17	48 2E	655965	679872	29	12	23	34	1535	44614	
98	3	2	22	ON	1 38 18	122 29W	598589	628343	29	15	8	39	658	54839	
				OFF	1 41 8	128 18W	597761	619485	29	15	1	38	7 8	54898	
96	2	1	23	ON	1 49 29	112 44E	595836	617488	29	23	56	31	727	86191	
				OFF	1 51 58	115 49E	596658	618332	29	23	57	18	748	86238	
96	2	8	15	ON	2 33 55	121 28W	675255	699888	38	8	17	29	1612	1849	
				OFF	2 31 26	119 53W	679788	784589	38	8	18	11	1618	1891	
98	2	1	15	ON	1 44 29	62 43E	594471	616872	38	2	52	28	7 3	18348	
				OFF	1 46 29	64 36E	594575	616179	38	2	53	4	711	18384	
98	2	2	27	ON	1 53 33	73 8E	596659	618342	38	2	55	17	747	18517	
				OFF	1 55 53	76 56E	597976	619788	38	2	56	5	8 3	18565	
99	4	1	54	ON	1 47 2	42 48E	594327	615922	38	4	21	57	712	15717	
				OFF	1 53 29	58 33E	596344	618815	38	4	23	59	746	15839	
99	4	2	22	ON	1 56 39	55 53E	598225	619967	38	4	25	5	8 8	15985	
				OFF	1 58 56	68 43E	688825	621834	38	4	25	56	828	15956	
188	4	1	117	ON	1 47 1	28 12E	594814	615598	38	5	58	41	711	21841	
				OFF	1 59 55	48 44E	688789	622544	38	5	55	5	838	21385	
181	4	1	19	ON	2 52 17	118 8E	644856	667516	38	7	35	48	1455	27348	
				OFF	2 49 46	113 11E	647917	671522	38	7	36	28	15 9	27388	

102 6 1	36 ON	2 55 41	82 16E	638558	661812	30 9 3 15	1432 32595
	OFF	2 51 13	88 57E	645461	668974	30 9 4 45	15 8 32685
102 6 2	11 ON	2 41 58	98 23E	659999	684858	30 9 7 36	1541 32856
	OFF	2 48 8	99 41E	662731	686893	30 9 8 6	1546 32886
102 6 3	56 ON	2 26 28	107 57E	686666	711729	30 9 11 56	1623 33116
	OFF	2 17 13	112 11E	785386	731873	30 9 14 28	1643 33268
103 6 1	104 ON	2 64 59	29 15E	620342	642913	30 10 27 36	1224 37656
	OFF	2 56 18	58 43E	637374	668583	30 10 31 45	1426 37985
103 6 2	12 ON	2 51 46	65 46E	644374	667845	30 10 33 17	1456 37997
	OFF	2 50 12	67 45E	646768	678329	30 10 33 47	15 4 38827
103 6 3	11 ON	2 46 47	71 29E	651984	675742	30 10 34 58	1520 38898
	OFF	2 45 10	73 3E	654489	678341	30 10 35 19	1527 38119
104 3 1	128 ON	2 61 9	24 44E	628963	651856	30 11 58 32	1337 43112
	OFF	2 47 14	48 35E	651844	674767	30 12 3 25	1517 43485
112 2 1	28 ON	1 49 32	113 18E	614819	636351	30 23 36 57	7 9 85817
	OFF	1 52 1	116 15E	613284	635586	30 23 37 44	722 85864
112 7 8	16 ON	2 33 42	120 58W	669974	694488	30 23 57 57	1554 86277
	OFF	2 31 11	119 22W	674721	699334	30 23 58 39	16 1 86319
114 2 1	15 ON	1 44 34	63 6E	615972	638378	31 2 33 12	645 9192
	OFF	1 46 34	64 59E	614881	637246	31 2 33 48	653 9228
114 2 2	21 ON	1 53 38	73 33E	612583	634862	31 2 36 2	738 9362
	OFF	1 55 58	77 23E	612375	634646	31 2 36 58	746 9418
115 4 1	53 ON	1 47 5	42 59E	613741	636263	31 4 2 58	654 14578
	OFF	1 53 29	50 49E	611763	634811	31 4 4 52	728 14692
115 4 2	22 ON	1 56 41	56 13E	611556	633796	31 4 5 58	758 14758
	OFF	1 58 59	61 6E	611775	634824	31 4 6 58	811 14818
117 4 1	19 ON	2 52 14	110 16E	648883	663394	31 7 16 51	1437 26211
	OFF	2 49 42	113 28E	643647	667892	31 7 17 48	1451 26268
118 3 1	35 ON	2 55 44	82 28E	634787	657899	31 8 44 32	1413 31472
	OFF	2 51 15	89 3E	648999	664344	31 8 46 2	1442 31562
118 3 2	11 ON	2 41 49	96 32E	655158	679834	31 8 48 54	1523 31734
	OFF	2 48 5	99 53E	657991	681974	31 8 49 24	1528 31764
119 3 1	14 ON	2 63 7	40 5E	623688	646381	31 10 18 19	1258 36619
	OFF	2 62 1	44 29E	625395	648154	31 10 18 54	13 8 36654
119 3 2	17 ON	2 58 13	54 58E	638878	653843	31 10 12 38	1352 36758
	OFF	2 56 28	58 45E	633483	656546	31 10 13 12	14 8 36792
119 3 3	12 ON	2 46 52	71 31E	646933	678588	31 10 16 16	15 2 36976
	OFF	2 45 12	73 8E	649458	673128	31 10 16 46	15 9 37886
128 5 1	84 ON	2 57 15	34 29E	631722	654718	31 11 41 43	1359 42183
	OFF	2 47 12	48 42E	646838	669572	31 11 45 2	1459 42382
127 2 1	13 ON	1 34 1	120 35E	628571	643149	31 21 44 11	546 78251
	OFF	1 32 4	121 43E	618843	648526	31 21 44 45	551 78285
128 2 1	19 ON	1 49 28	113 7E	685855	627852	31 23 18 39	651 83919
	OFF	1 51 53	116 6E	684487	626462	31 23 19 25	7 3 83965
128 4 2	10 ON	2 33 51	120 52W	663488	687678	31 23 39 38	1536 85178
	OFF	2 31 21	119 25W	668889	692452	31 23 40 28	1542 85228
130 6 1	78 ON	1 36 38	57 4E	612329	634598	1 2 12 29	6 8 7949
	OFF	1 46 38	65 7E	685545	627568	1 2 15 24	635 8124
130 6 2	21 ON	1 53 39	73 38E	683716	625663	1 2 17 37	712 8257
	OFF	1 56 1	77 32E	683658	625683	1 2 18 26	728 8386
131 4 1	53 ON	1 47 5	43 5E	684881	626871	1 3 44 21	636 13461

			OFF	1	53	29	58	54E	683363	625297	1	3	46	22	718	13582	
131	4	2	23 ON	1	56	42	56	19E	683381	625316	1	3	47	29	732	13649	
			OFF	1	58	58	61	18E	683761	625718	1	3	48	21	753	13781	
132	4	1	116 ON	1	47	4	28	34E	684417	626398	1	5	13	9	635	18789	
			OFF	1	59	57	41	8E	683775	625725	1	5	17	33	8	2	19853
133	4	1	19 ON	2	52	13	118	24E	633784	656858	1	6	58	13	1419	25893	
			OFF	2	49	42	113	35E	637238	668433	1	6	59	1	1433	25141	
134	4	1	12 ON	2	55	38	82	39E	629189	652891	1	8	25	52	1356	38352	
			OFF	2	54	12	85	1E	631112	654886	1	8	26	22	14	6	38382
134	4	2	12 ON	2	41	46	98	43E	648764	672481	1	8	38	13	15	5	38613
			OFF	2	48	1	188	4E	651489	675227	1	8	38	43	1511	38643	
135	4	1	47 ON	2	64	56	29	51E	615898	637472	1	9	58	19	1149	35419	
			OFF	2	61	54	44	57E	628499	643875	1	9	52	18	1252	35538	
135	4	2	17 ON	2	58	6	55	23E	625891	648669	1	9	53	46	1335	35626	
			OFF	2	56	12	59	18E	628438	651311	1	9	54	28	1351	35668	
135	4	3	12 ON	2	51	39	66	12E	634538	657632	1	9	56	8	1428	35768	
			OFF	2	58	6	68	9E	636662	659844	1	9	56	38	1429	35798	
135	4	4	12 ON	2	46	41	71	52E	641436	664797	1	9	57	32	1445	35852	
			OFF	2	45	1	73	27E	643845	667296	1	9	58	2	1451	35882	
136	5	1	83 ON	2	57	5	34	59E	627235	658863	1	11	22	55	1342	48975	
			OFF	2	47	2	49	2E	648919	664268	1	11	26	13	1442	41173	
144	2	1	27 ON	1	49	23	113	21E	597253	618958	1	22	59	9	632	82749	
			OFF	1	51	49	116	22E	597182	618881	1	22	59	55	645	82795	
144	4	8	15 ON	2	33	58	128	36E	659432	683478	1	23	28	8	1517	84888	
			OFF	2	31	29	119	9E	663888	688881	1	23	28	58	1524	84858	
146	2	1	15 ON	1	44	28	63	27E	597879	618778	2	1	55	8	6	8	6988
			OFF	1	46	26	65	19E	596483	618159	2	1	55	44	617	6944	
146	2	2	21 ON	1	53	28	73	45E	595958	617686	2	1	57	57	652	7877	
			OFF	1	55	51	77	38E	596345	618816	2	1	58	46	7	9	7126
147	4	1	54 ON	1	46	57	43	28E	596289	617875	2	3	24	37	618	12277	
			OFF	1	53	23	51	18E	595798	617448	2	3	26	39	651	12399	
147	4	2	23 ON	1	56	35	56	38E	596389	618862	2	3	27	46	713	12466	
			OFF	1	58	54	61	23E	597281	618984	2	3	28	38	734	12518	
149	4	1	19 ON	2	52	26	118	41E	629981	652829	2	6	38	21	14	1	23981
			OFF	2	49	49	113	52E	633299	656355	2	6	39	9	1414	23949	
158	3	1	37 ON	2	55	49	82	46E	624921	647663	2	8	5	54	1337	29154	
			OFF	2	51	21	89	32E	638888	653853	2	8	7	24	14	5	29244
158	3	2	12 ON	2	41	56	99	2E	644128	667591	2	8	18	16	1446	29416	
			OFF	2	48	11	188	24E	646771	678333	2	8	18	47	1452	29447	
151	3	1	14 ON	2	63	8	46	34E	614149	636487	2	9	31	33	1213	34293	
			OFF	2	62	2	44	57E	615939	638344	2	9	32	7	1231	34327	
151	3	2	17 ON	2	58	16	55	28E	621351	643959	2	9	33	44	1315	34424	
			OFF	2	56	23	59	17E	623873	646575	2	9	34	26	1331	34466	
151	3	3	12 ON	2	46	57	72	4E	636498	659674	2	9	37	29	1425	34649	
			OFF	2	45	18	73	48E	638838	662893	2	9	37	59	1432	34679	
152	3	1	25 ON	2	61	13	25	15E	618944	639387	2	11	1	14	1242	39674	
			OFF	2	47	18	49	15E	635651	658795	2	11	6	7	1423	39967	
168	2	1	28 ON	1	49	29	114	6E	592293	613813	2	22	38	38	615	81518	
			OFF	1	51	56	117	6E	592334	613855	2	22	39	24	627	81564	
168	4	8	16 ON	2	33	52	119	56E	652551	676338	2	22	59	35	1459	82775	
			OFF	2	31	22	118	29E	656678	688684	2	23	8	17	15	6	82817



162	2	1	15	ON	1	44	27	64	5E	592235	613753	3	1	34	26	558	5666	
				OFF	1	46	24	65	54E	591888	613318	3	1	35	1	558	5781	
162	2	2	21	ON	1	53	29	74	25E	591761	613268	3	1	37	15	634	5835	
				OFF	1	55	53	78	28E	592383	613824	3	1	38	4	651	5884	
163	4	1	54	ON	1	46	58	44	1E	591388	612791	3	3	3	52	6	11832	
				OFF	1	53	22	51	48E	591374	612859	3	3	5	53	633	11153	
163	4	2	23	ON	1	56	35	57	18E	592171	613686	3	3	7	8	655	11228	
				OFF	1	58	53	62	8E	593184	614655	3	3	7	52	715	11272	
164	4	1	117	ON	1	46	56	21	32E	598984	612371	3	4	32	31	558	16351	
				OFF	1	59	49	41	55E	593267	614823	3	4	36	54	724	16614	
165	4	1	19	ON	2	52	28	111	11E	624591	647328	3	6	17	24	1342	22644	
				OFF	2	49	56	114	25E	627798	658639	3	6	18	13	1355	22693	
166	3	1	36	ON	2	55	55	83	18E	619926	642488	3	7	44	53	1318	27893	
				OFF	2	51	28	98	5E	625521	648285	3	7	46	23	1346	27983	
166	3	2	11	ON	2	42	5	99	37E	637835	661861	3	7	49	14	1427	28154	
				OFF	2	48	21	128	59E	648285	663683	3	7	49	44	1433	28184	
167	3	1	14	ON	2	63	11	41	4E	689688	631776	3	9	18	28	1154	33828	
				OFF	2	62	6	45	26E	611331	633563	3	9	11	2	1212	33862	
167	3	2	17	ON	2	58	21	56	8E	616589	638935	3	9	12	39	1256	33159	
				OFF	2	56	28	59	58E	618986	641423	3	9	13	21	1312	33281	
167	3	3	11	ON	2	47	3	72	42E	638887	653769	3	9	16	25	14	7	33385
				OFF	2	45	24	74	18E	632978	656821	3	9	16	55	1414	33415	
168	3	1	125	ON	2	61	15	25	51E	612272	634548	3	18	48	4	1223	38484	
				OFF	2	47	23	49	58E	638882	653817	3	18	44	57	14	4	38697
175	2	1	14	ON	1	29	34	122	6E	593235	614789	3	28	42	39	451	74559	
				OFF	1	31	38	123	15E	591483	612888	3	28	43	13	456	74593	
176	3	1	57	ON	1	26	34	98	7E	595552	617192	3	22	18	27	442	79827	
				OFF	1	34	32	182	31E	588475	689851	3	22	12	39	5	2	79959
176	3	2	25	ON	1	49	5	114	38E	583728	684927	3	22	16	54	554	88214	
				OFF	1	51	38	117	26E	583984	685118	3	22	17	48	6	7	88268
176	4	8	15	ON	2	34	21	119	22W	643564	667885	3	22	37	58	1448	81478	
				OFF	2	31	53	117	54W	647455	671842	3	22	38	32	1446	81512	

OPERATIONAL SUMMARY

AFT	POS	CAMERA	NUMBER	195														
OPN	NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM					
82	6	2	21	ON	1	55	44	76	12E	682988	624988	29	3	16	4	828	11764	
				OFF	1	57	57	88	38E	684581	626478	29	3	16	52	838	11812	
82	8	8	3	ON	2	54	14	174	4E	647829	678688	29	3	28	53	15	5	12533
				OFF	2	53	5	175	47E	648865	672586	29	3	29	16	1512	12556	
83	4	1	54	ON	1	46	59	42	9E	599691	621487	29	4	42	2	738	16922	
				OFF	1	53	27	58	1E	621519	623384	29	4	44	5	8	4	17845
83	4	2	23	ON	1	56	33	55	21E	623318	625242	29	4	45	11	826	17111	
				OFF	1	58	54	68	9E	685948	627837	29	4	46	2	846	17162	
84	4	1	115	ON	1	47	3	19	45E	599397	621182	29	6	18	58	729	22258	
				OFF	1	59	56	48	17E	685768	627792	29	6	15	14	856	22514	
85	4	1	19	ON	2	52	22	179	22E	649546	673212	29	7	55	52	1513	28552	
				OFF	2	49	54	112	35E	653587	677485	29	7	56	41	1526	28681	
86	4	1	12	ON	2	55	48	61	32E	643867	667328	29	9	23	28	1449	33888	
				OFF	2	54	22	63	56E	646288	669741	29	9	23	58	1459	33838	

86	4	2	11	ON	2	42	8	97	42E	666164	698455	29	9	27	49	1558	34869	
				OFF	2	48	16	99	3E	669889	693498	29	9	28	19	16	4	34899
87	4	1	46	ON	2	65	8	28	29E	625341	648899	29	18	47	53	1241	38873	
				OFF	2	62	8	43	46E	632765	655882	29	18	49	44	1344	38984	
87	4	2	16	ON	2	58	16	54	11E	639628	662913	29	18	51	21	1427	39881	
				OFF	2	56	23	58	8E	642762	666173	29	18	52	3	1443	39123	
87	4	3	11	ON	2	51	53	65	4E	658884	673687	29	18	53	34	1513	39214	
				OFF	2	58	28	67	2E	652472	676249	29	18	54	4	1522	39244	
87	4	4	11	ON	2	46	55	78	48E	657938	681928	29	18	55	8	1538	39388	
				OFF	2	45	19	72	21E	668522	684688	29	18	55	37	1544	39337	
88	3	1	122	ON	2	61	14	23	53E	634131	657219	29	12	18	53	1354	44333	
				OFF	2	47	23	47	52E	657833	688981	29	12	23	46	1535	44626	
98	3	8	22	ON	1	38	8	122	33W	598344	628898	29	15	8	51	658	54851	
				OFF	1	41	6	128	23W	597634	619353	29	15	1	42	659	54182	
96	2	1	27	ON	1	49	28	112	39E	596818	617677	29	23	56	43	727	86283	
				OFF	1	51	57	115	44E	596911	618684	29	23	57	38	748	86258	
96	2	8	15	ON	2	34	4	121	29W	676546	781228	38	8	17	41	1611	1861	
				OFF	2	31	35	128	1W	681858	785981	38	8	18	23	1618	1183	
98	2	1	15	ON	1	44	28	62	39E	594483	616885	38	2	52	48	7	3	18368
				OFF	1	46	27	64	31E	594658	616266	38	2	53	16	711	18396	
98	2	2	27	ON	1	53	32	73	2E	596971	618666	38	2	55	29	747	18529	
				OFF	1	55	51	76	58E	598357	628184	38	2	56	17	8	3	18577
99	4	1	54	ON	1	47	8	42	35E	594432	616832	38	4	22	9	712	15729	
				OFF	1	53	27	58	28E	596657	618348	38	4	24	11	745	15851	
99	4	2	23	ON	1	56	37	55	46E	598631	628388	38	4	25	17	8	8	15917
				OFF	1	58	54	68	36E	628495	622322	38	4	26	8	828	15968	
188	4	1	118	ON	1	47	8	28	7E	594123	615711	38	5	58	53	711	21853	
				OFF	1	59	53	48	36E	681289	623862	38	5	55	17	837	21317	
181	4	1	15	ON	2	52	22	189	49E	645823	668528	38	7	35	52	1455	27352	
				OFF	2	49	51	113	1E	648928	672563	38	7	36	48	15	8	27488
182	6	1	38	ON	2	55	45	82	5E	639478	662766	38	9	3	27	1431	32687	
				OFF	2	51	18	88	47E	646442	669991	38	9	4	57	1459	32697	
182	6	2	11	ON	2	41	57	98	13E	661125	685226	38	9	7	48	1548	32868	
				OFF	2	48	15	99	32E	663986	688891	38	9	8	18	1546	32898	
182	6	3	56	ON	2	26	37	187	48E	688888	713284	38	9	12	8	1623	33128	
				OFF	2	17	24	112	2E	786923	732758	38	9	14	48	1642	33288	
183	6	1	185	ON	2	65	8	29	2E	621123	643722	38	18	27	48	1223	37668	
				OFF	2	56	22	58	32E	638285	661528	38	18	31	57	1425	37917	
183	6	2	12	ON	2	51	51	65	36E	645344	668852	38	18	33	29	1455	38889	
				OFF	2	53	17	67	35E	647768	671359	38	18	33	59	15	4	38839
183	6	3	11	ON	2	46	53	71	28E	653827	676824	38	18	35	2	1528	38182	
				OFF	2	45	16	72	54E	655557	679449	38	18	35	31	1526	38131	
184	3	1	121	ON	2	61	11	24	32E	629889	652734	38	11	58	44	1336	43124	
				OFF	2	47	28	48	25E	652878	675839	38	12	3	37	1517	43417	
112	2	1	27	ON	1	46	28	113	3E	613774	636898	38	23	37	9	7	9	85829
				OFF	1	51	58	116	8E	613844	635348	38	23	37	56	722	85876	
112	7	2	18	ON	2	33	58	128	56W	671326	695811	38	23	58	9	1554	86289	
				OFF	2	31	19	119	38W	676146	788812	38	23	58	51	16	8	86331
114	2	1	15	ON	1	44	31	62	59E	615574	637964	31	2	33	24	645	9284	
				OFF	1	46	31	64	52E	614557	636989	31	2	34	8	653	9248	
114	2	2	21	ON	1	53	35	73	26E	612581	634777	31	2	36	14	729	9374	

			OFF	1	55	56	77	16E	612369	634648	31	2	37	2	745	9422	
115	4	1	ON	1	47	2	42	53E	613439	635758	31	4	3	2	654	14582	
			OFF	1	53	26	58	42E	611688	633926	31	4	5	4	727	14784	
115	4	2	ON	1	56	39	56	5E	611579	633821	31	4	6	18	758	14778	
			OFF	1	58	56	68	57E	611872	634125	31	4	7	2	818	14822	
116	4	1	ON	1	47	4	28	25E	612537	634814	31	5	31	55	653	19915	
			OFF	1	59	56	48	56E	611336	633568	31	5	36	19	819	28179	
117	4	1	ON	2	52	18	118	6E	648964	664388	31	7	17	3	1437	26223	
			OFF	2	49	47	113	18E	644588	668868	31	7	17	52	1458	26272	
118	3	1	ON	2	55	48	82	18E	635592	658734	31	8	44	44	1413	31484	
			OFF	2	51	28	88	53E	641988	665287	31	8	46	14	1441	31574	
118	3	2	ON	2	41	55	98	24E	656296	688216	31	8	49	6	1522	31746	
			OFF	2	42	11	99	44E	659175	683283	31	8	49	36	1528	31776	
119	3	1	ON	2	63	9	39	53E	624233	646958	31	18	18	31	1249	36631	
			OFF	2	62	2	44	16E	626852	648836	31	18	11	6	13	8	36666
119	3	2	ON	2	58	16	54	47E	631631	654625	31	18	12	42	1351	36762	
			OFF	2	56	24	58	35E	634288	657373	31	18	13	24	14	7	36884
119	3	3	ON	2	46	58	71	22E	647958	671556	31	18	16	28	15	1	36988
			OFF	2	45	18	72	59E	658516	674218	31	18	16	58	15	8	37818
126	5	1	ON	2	57	19	34	19E	632582	655528	31	11	41	55	1358	42115	
			OFF	2	47	17	48	32E	647852	678625	31	11	45	14	1459	42314	
127	2	1	ON	1	29	57	128	38E	619628	642171	31	21	44	23	546	78263	
			OFF	1	32	P	121	38E	617187	639638	31	21	44	57	551	78297	
126	2	1	ON	1	49	26	113	1E	684872	626863	31	23	18	51	658	83931	
			OFF	1	51	5P	116	8E	684385	626357	31	23	19	37	7	3	83977
128	4	8	ON	2	33	58	121	1W	664886	689846	31	23	39	58	1535	85198	
			OFF	2	31	29	119	33W	669484	693988	31	23	48	32	1542	85232	
130	6	1	ON	1	36	35	56	59E	611669	633913	1	2	12	41	6	8	7961
			OFF	1	46	36	65	1E	685265	627269	1	2	15	36	635	8136	
132	6	2	ON	1	53	37	73	32E	683673	625619	1	2	17	49	711	8269	
			OFF	1	55	59	77	26E	683698	625636	1	2	18	38	728	8318	
131	4	1	ON	1	47	3	42	59E	684628	626689	1	3	44	33	636	13473	
			OFF	1	53	27	58	48E	683323	625256	1	3	46	34	7	9	13594
131	4	2	ON	1	56	48	56	12E	683445	625382	1	3	47	41	732	13661	
			OFF	1	58	56	61	3E	683896	625858	1	3	48	33	752	13713	
132	4	1	ON	1	47	2	28	29E	684173	626137	1	5	13	21	635	18881	
			OFF	1	59	55	41	1E	683949	625985	1	5	17	45	8	1	19865
133	4	1	ON	2	52	17	118	15E	634641	657747	1	6	58	25	1419	25185	
			OFF	2	49	47	113	26E	638142	661388	1	6	59	13	1432	25153	
134	4	1	ON	2	55	42	82	29E	629975	652986	1	8	26	4	1355	38364	
			OFF	2	54	16	84	52E	631927	654931	1	8	26	34	14	5	38394
134	4	2	ON	2	41	52	98	35E	649857	673534	1	8	38	25	15	4	38625
			OFF	2	42	8	99	56E	652623	676484	1	8	38	55	1518	38655	
135	4	1	ON	2	64	57	29	39E	615659	638854	1	9	58	31	1148	35431	
			OFF	2	61	56	44	46E	621149	643758	1	9	52	22	1251	35542	
135	4	2	ON	2	58	9	55	13E	626625	649431	1	9	53	58	1334	35638	
			OFF	2	56	15	59	2E	629211	652114	1	9	54	48	1358	35688	
135	4	3	ON	2	51	44	66	2E	635398	658533	1	9	56	12	1428	35772	
			OFF	2	53	18	68	8E	637563	668779	1	9	56	42	1428	35882	
135	4	4	ON	2	46	46	71	43E	642411	665889	1	9	57	44	1444	35864	
			OFF	2	45	7	73	19E	644857	668347	1	9	58	14	1451	35894	

136	5	1	84	ON	2	57	8	34	49E	627991	658848	1	11	23	7	1342	48987	
				OFF	2	47	7	48	54E	641884	665262	1	11	26	25	1441	41185	
144	2	1	28	ON	1	49	21	113	16E	597184	618887	1	22	59	21	632	82761	
				OFF	1	51	47	116	16E	597111	618811	1	23	8	7	645	82887	
144	4	8	15	ON	2	34	5	128	44W	668782	684787	1	23	28	28	1517	84828	
				OFF	2	31	36	119	17W	665131	689383	1	23	21	2	1523	84862	
146	2	1	15	ON	1	44	26	63	22E	596852	618542	2	1	55	28	6	8	6928
				OFF	1	46	26	65	15E	596325	617995	2	1	55	56	616	6956	
146	2	2	21	ON	1	53	27	73	48E	596822	617681	2	1	58	9	652	7889	
				OFF	1	55	58	77	32E	596489	618166	2	1	58	58	7	8	7138
147	4	1	54	ON	1	46	55	43	15E	596878	617731	2	3	24	49	617	12289	
				OFF	1	53	22	51	5E	595867	617528	2	3	26	51	651	12411	
147	4	2	23	ON	1	56	34	56	25E	596555	618235	2	3	27	58	713	12478	
				OFF	1	58	52	61	16E	597434	619146	2	3	28	58	733	12538	
149	4	1	18	ON	2	52	24	118	32E	638751	653712	2	6	38	33	14	8	23913
				OFF	2	49	54	113	43E	634198	657287	2	6	39	21	1414	23961	
150	3	1	37	ON	2	55	52	82	37E	625781	648472	2	8	6	6	1336	29166	
				OFF	2	51	25	89	23E	631751	654749	2	8	7	36	14	4	29256
150	3	2	12	ON	2	42	1	98	54E	645183	668685	2	8	18	28	1445	29428	
				OFF	2	48	17	108	16E	647865	671468	2	8	18	59	1451	29459	
151	3	1	14	ON	2	63	18	48	24E	614783	637144	2	9	31	45	1213	34385	
				OFF	2	62	4	44	46E	616597	639827	2	9	32	19	1231	34339	
151	3	2	17	ON	2	58	19	55	19E	622881	644716	2	9	33	56	1315	34436	
				OFF	2	56	26	59	8E	624637	647368	2	9	34	38	1338	34478	
151	3	3	12	ON	2	47	2	71	55E	637441	668652	2	9	37	41	1425	34661	
				OFF	2	45	23	73	32E	639886	663186	2	9	38	11	1432	34691	
152	3	1	125	ON	2	61	15	25	5E	617614	648882	2	11	1	26	1241	39686	
				OFF	2	47	22	49	7E	636581	659768	2	11	6	19	1422	39979	
160	2	1	28	ON	1	49	26	114	1E	592276	613795	2	22	38	58	614	81538	
				OFF	1	51	55	117	3E	592398	613914	2	22	39	36	627	81576	
162	4	8	16	ON	2	33	58	128	4W	653741	677564	2	22	59	47	1459	82787	
				OFF	2	31	29	118	36W	657928	681988	2	23	8	29	15	5	82829
162	2	1	15	ON	1	44	25	64	8E	592864	613575	3	1	34	38	558	5678	
				OFF	1	46	22	65	58E	591762	613199	3	1	35	13	558	5713	
162	2	2	21	ON	1	53	27	74	28E	591871	613375	3	1	37	27	634	5847	
				OFF	1	55	52	78	14E	592488	614886	3	1	38	16	651	5896	
163	4	1	54	ON	1	46	57	43	57E	591224	612784	3	3	4	4	559	11844	
				OFF	1	53	21	51	43E	591484	612973	3	3	6	5	632	11165	
163	4	2	23	ON	1	56	34	57	5E	592369	613892	3	3	7	12	655	11232	
				OFF	1	58	51	61	55E	593364	614924	3	3	8	4	715	11284	
165	4	1	19	ON	2	52	31	111	3E	625385	648144	3	6	17	36	1341	22656	
				OFF	2	58	8	114	17E	628627	651588	3	6	18	25	1355	22785	
166	3	1	36	ON	2	55	58	83	18E	628662	643244	3	7	45	5	1317	27985	
				OFF	2	51	31	89	57E	626329	649123	3	7	46	35	1346	27995	
166	3	2	11	ON	2	42	12	99	38E	638817	662888	3	7	49	26	1427	28166	
				OFF	2	48	26	106	51E	641383	664659	3	7	49	56	1433	28196	
167	3	1	14	ON	2	63	13	48	54E	618222	632413	3	9	18	48	1154	33848	
				OFF	2	62	8	45	16E	611964	634228	3	9	11	14	1212	33874	
167	3	2	17	ON	2	58	23	55	51E	617284	639656	3	9	12	51	1256	33171	
				OFF	2	56	31	59	42E	619638	642174	3	9	13	33	1312	33213	
167	3	3	11	ON	2	47	7	72	34E	631698	654685	3	9	16	37	14	6	33397

			OFF 2 45 28	74 10E	633891	656968	3 9 17	7 1413	33427
168	3 1	125	ON 2 61 17	25 42E	612919	635211	3 18 48	16 1222	38416
			OFF 2 47 24	49 50E	638956	653924	3 18 45	9 14 4	38789
175	2 1	14	ON 1 29 32	122 2E	592549	614877	3 28 42	51 458	74571
			OFF 1 31 36	123 11E	598888	612263	3 28 43	25 455	74685
176	3 1	57	ON 1 26 33	98 3E	594742	616353	3 22 18	39 442	79839
			OFF 1 34 38	182 27E	587991	609349	3 22 12	51 5 2	79971
176	3 2	28	ON 1 49 4	114 26E	583749	604949	3 22 17	6 554	88226
			OFF 1 51 29	117 22E	583996	605286	3 22 17	52 6 7	88272
176	4 8	15	ON 2 34 27	119 29W	644697	668181	3 22 38	2 1439	81482
			OFF 2 31 59	118 1W	648644	672275	3 22 38	44 1446	81524

PHOTOGRAPHIC SUMMARY

FWD PAN CAMERA NO 194 A.2000 SLIT W/21 FILTER 3484 FILM

OPN	NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI
82	6 1	78	286.3	ON 309	25.8	51.1	12.12	12.56	11.96	11.36
				OFF 315	32.9	56.6	12.15	12.66	12.86	11.46
82	6 2	3	7.9	ON 248	41.9	118.9	11.81	12.73	12.13	11.53
				OFF 248	41.3	112.2	11.81	12.73	12.13	11.53
83	4 1	4	142.2	ON 315	31.4	55.1	12.15	12.64	12.84	11.44
				OFF 316	36.8	68.8	12.16	12.69	12.89	11.49
83	4 2	22	58.2	ON 317	38.1	63.8	12.16	12.78	12.18	11.58
				OFF 316	39.7	65.6	12.16	12.72	12.12	11.52
84	4 1	117	329.5	ON 315	31.2	54.9	12.15	12.64	12.84	11.44
				OFF 316	40.3	66.7	12.16	12.72	12.12	11.52
85	4 1	19	52.3	ON 284	41.5	112.1	12.88	12.73	12.13	11.53
				OFF 281	40.2	114.7	11.99	12.72	12.12	11.52
86	4 1	11	29.1	ON 288	43.2	107.8	12.82	12.74	12.14	11.54
				OFF 286	42.6	109.6	12.81	12.73	12.13	11.53
86	4 2	11	29.1	ON 274	35.9	121.1	11.95	12.69	12.89	11.49
				OFF 273	34.8	122.3	11.94	12.68	12.88	11.48
87	4 1	45	119.8	ON 324	46.8	98.3	12.18	12.75	12.15	11.55
				OFF 298	45.5	97.9	12.87	12.74	12.14	11.54
87	4 2	16	42.3	ON 291	44.4	104.2	12.84	12.74	12.14	11.54
				OFF 289	43.6	106.8	12.83	12.74	12.14	11.54
87	4 3	11	29.1	ON 283	41.6	112.1	12.88	12.73	12.13	11.53
				OFF 281	40.8	113.7	11.99	12.72	12.12	11.52
87	4 4	11	29.1	ON 278	39.8	116.9	11.97	12.71	12.11	11.51
				OFF 277	38.1	118.3	11.97	12.78	12.18	11.58
88	3 1	121	320.8	ON 313	45.4	99.8	12.14	12.74	12.14	11.54
				OFF 294	39.4	116.3	12.85	12.71	12.11	11.51
98	3 6	22	58.2	ON 328	23.4	49.3	12.21	12.58	11.98	11.38
				OFF 329	25.7	58.5	12.22	12.55	11.95	11.35
96	2 1	22	52.9	ON 333	38.6	53.8	12.23	12.64	12.84	11.44
				OFF 334	32.7	55.4	12.24	12.66	12.86	11.46
96	2 2	15	39.7	ON 283	33.2	124.8	12.88	12.66	12.86	11.46
				OFF 281	31.5	126.2	11.99	12.64	12.84	11.44
96	2 1	15	39.7	ON 331	26.6	58.6	12.22	12.57	11.97	11.37
				OFF 332	28.2	51.6	12.23	12.68	12.88	11.48
98	2 2	22	52.9	ON 334	33.6	56.1	12.24	12.67	12.87	11.47

				OFF 335	35.4	58.1	12.24	12.68	12.88	11.48	
99	4	1	54	142.8	ON 333	28.4	51.7	12.23	12.68	12.88	11.48
				OFF 334	33.4	55.8	12.24	12.66	12.86	11.46	
99	4	2	22	58.2	ON 335	35.9	58.5	12.24	12.69	12.89	11.49
				OFF 334	37.7	68.8	12.24	12.78	12.18	11.58	
100	4	1	117	389.5	ON 333	28.2	51.4	12.23	12.68	12.88	11.48
				OFF 334	38.4	61.7	12.24	12.71	12.11	11.51	
101	4	1	19	58.3	ON 388	44.2	107.7	12.88	12.74	12.14	11.54
				OFF 297	43.1	112.6	12.87	12.73	12.13	11.53	
102	6	1	36	95.2	ON 381	45.5	102.9	12.89	12.74	12.14	11.54
				OFF 295	43.9	108.7	12.86	12.74	12.14	11.54	
102	6	2	11	29.1	ON 286	39.3	118.1	12.81	12.71	12.11	11.51
				OFF 285	38.4	119.5	12.81	12.71	12.11	11.51	
102	6	3	56	148.1	ON 274	29.6	128.2	11.95	12.62	12.82	11.42
				OFF 269	23.8	132.1	11.92	12.49	11.89	11.29	
103	6	1	124	275.1	ON 317	46.5	84.2	12.16	12.75	12.15	11.55
				OFF 302	45.9	101.7	12.89	12.75	12.15	11.55	
103	6	2	12	31.7	ON 296	44.3	107.7	12.86	12.74	12.14	11.54
				OFF 294	43.7	109.6	12.85	12.74	12.14	11.54	
103	6	3	11	29.1	ON 291	42.1	113.2	12.84	12.73	12.13	11.53
				OFF 289	41.3	114.9	12.83	12.73	12.13	11.53	
104	3	1	128	317.4	ON 318	46.9	93.3	12.13	12.75	12.15	11.55
				OFF 291	42.5	112.5	12.84	12.73	12.13	11.53	
112	2	1	20	52.9	ON 324	28.8	58.2	12.19	12.68	12.88	11.48
				OFF 326	38.1	51.6	12.28	12.63	12.83	11.43	
112	7	2	16	42.3	ON 289	36.9	122.8	12.83	12.78	12.18	11.58
				OFF 287	35.3	124.5	12.82	12.68	12.88	11.48	
114	2	1	15	39.7	ON 326	23.5	47.5	12.18	12.58	11.98	11.38
				OFF 322	25.2	48.3	12.18	12.54	11.94	11.34	
114	2	2	21	55.5	ON 327	31.1	52.2	12.21	12.64	12.84	11.44
				OFF 328	33.1	53.9	12.21	12.66	12.86	11.46	
115	4	1	53	148.2	ON 322	25.4	48.3	12.19	12.55	11.95	11.35
				OFF 327	38.8	51.9	12.21	12.64	12.84	11.44	
115	4	2	22	58.2	ON 329	33.6	54.2	12.21	12.67	12.87	11.47
				OFF 338	35.6	56.3	12.22	12.69	12.89	11.49	
117	4	1	18	53.3	ON 385	46.8	103.8	12.13	12.75	12.15	11.55
				OFF 387	46.8	106.3	12.11	12.75	12.15	11.55	
118	3	1	36	95.2	ON 314	47.7	97.6	12.15	12.75	12.15	11.55
				OFF 388	46.7	104.8	12.12	12.75	12.15	11.55	
118	3	2	11	29.1	ON 297	42.8	114.9	12.87	12.73	12.13	11.53
				OFF 295	41.9	116.5	12.86	12.73	12.13	11.53	
119	3	1	14	37.8	ON 323	47.8	83.4	12.19	12.75	12.15	11.55
				OFF 322	48.8	86.8	12.18	12.75	12.15	11.55	
119	3	2	17	45.8	ON 317	48.2	93.2	12.16	12.75	12.15	11.55
				OFF 315	48.8	96.3	12.15	12.75	12.15	11.55	
119	3	3	12	31.7	ON 382	45.3	109.2	12.89	12.74	12.14	11.54
				OFF 321	44.6	111.1	12.89	12.74	12.14	11.54	
120	5	1	64	222.2	ON 316	48.2	94.4	12.15	12.75	12.15	11.55
				OFF 383	45.6	108.5	12.18	12.74	12.14	11.54	
127	2	1	13	34.4	ON 326	6.6	41.7	12.11	11.58	10.98	10.38
				OFF 382	18.3	42.8	12.12	11.77	11.17	10.57	

128	2	1	19	58.3	ON	324	25.1	46.7	12.19	12.54	11.94	11.34
					OFF	326	27.3	47.8	12.20	12.58	11.98	11.38
128	4	6	16	42.3	ON	291	48.8	128.4	12.04	12.72	12.12	11.52
					OFF	290	39.3	122.4	12.83	12.71	12.11	11.51
130	6	1	75	198.4	ON	315	9.6	48.3	12.15	11.69	11.89	10.49
					OFF	324	17.4	58.6	12.19	12.28	11.68	11.88
130	6	2	21	55.5	ON	330	23.1	53.3	12.22	12.49	11.89	11.29
					OFF	331	25.1	54.6	12.22	12.54	11.94	11.34
131	4	1	53	148.2	ON	325	17.6	56.5	12.20	12.29	11.69	11.89
					OFF	329	22.8	53.8	12.22	12.48	11.88	11.28
131	4	2	23	68.8	ON	331	25.5	54.8	12.22	12.55	11.95	11.35
					OFF	332	27.5	56.3	12.23	12.59	11.99	11.39
132	4	1	116	386.8	ON	325	17.4	58.3	12.20	12.28	11.68	11.88
					OFF	333	28.3	56.7	12.23	12.60	12.80	11.40
133	4	1	19	56.3	ON	312	43.2	92.7	12.14	12.74	12.14	11.54
					OFF	389	43.8	95.7	12.12	12.73	12.13	11.53
134	4	1	12	31.7	ON	316	43.3	88.8	12.16	12.74	12.14	11.54
					OFF	315	43.4	89.9	12.15	12.74	12.14	11.54
134	4	2	12	31.7	ON	299	41.5	104.1	12.08	12.73	12.13	11.53
					OFF	297	41.8	105.9	12.07	12.72	12.12	11.52
135	4	1	47	124.3	ON	329	48.8	72.3	12.21	12.72	12.12	11.52
					OFF	324	42.1	78.5	12.19	12.73	12.13	11.53
135	4	2	17	45.8	ON	319	43.1	84.3	12.17	12.74	12.14	11.54
					OFF	317	43.4	86.9	12.16	12.74	12.14	11.54
135	4	3	12	31.7	ON	311	43.5	92.8	12.13	12.74	12.14	11.54
					OFF	389	43.3	94.7	12.13	12.74	12.14	11.54
135	4	4	12	31.7	ON	365	42.9	98.6	12.11	12.73	12.13	11.53
					OFF	383	42.5	108.5	12.10	12.73	12.13	11.53
136	5	1	83	219.5	ON	312	43.4	85.4	12.14	12.74	12.14	11.54
					OFF	368	43.1	98.8	12.08	12.73	12.13	11.53
144	2	1	28	52.9	ON	337	17.2	46.4	12.25	12.27	11.67	11.87
					OFF	337	19.3	49.2	12.25	12.37	11.77	11.17
144	4	8	15	39.7	ON	287	41.2	109.7	12.02	12.72	12.12	11.52
					OFF	285	48.2	112.8	12.01	12.72	12.12	11.52
146	2	1	15	39.7	ON	335	12.7	46.7	12.24	11.98	11.38	10.78
					OFF	336	14.4	47.1	12.24	12.10	11.58	10.98
146	2	2	21	55.5	ON	338	20.5	49.4	12.25	12.41	11.81	11.21
					OFF	338	22.7	50.4	12.25	12.48	11.88	11.28
147	4	1	54	142.8	ON	336	14.6	47.8	12.24	12.12	11.52	10.92
					OFF	338	28.3	49.1	12.25	12.40	11.80	11.20
147	4	2	23	62.8	ON	338	23.2	58.6	12.25	12.50	11.90	11.30
					OFF	338	25.5	51.9	12.25	12.55	11.95	11.35
149	4	1	19	58.3	ON	384	45.5	87.4	12.10	12.74	12.14	11.54
					OFF	321	45.6	98.7	12.09	12.74	12.14	11.54
150	3	1	37	97.9	ON	388	45.1	82.3	12.12	12.74	12.14	11.54
					OFF	383	45.7	88.4	12.09	12.75	12.15	11.55
150	3	2	12	31.7	ON	294	44.9	108.1	12.05	12.74	12.14	11.54
					OFF	292	44.5	102.1	12.04	12.74	12.14	11.54
151	3	1	14	37.8	ON	322	42.1	78.5	12.17	12.73	12.13	11.53
					OFF	318	42.8	72.5	12.17	12.73	12.13	11.53
151	3	2	17	45.8	ON	312	44.6	78.4	12.14	12.74	12.14	11.54

					OFF 389	45.1	81.1	12.13	12.74	12.14	11.54
151	3	3	12	31.7	ON 298	45.8	93.7	12.87	12.75	12.15	11.55
					OFF 297	45.6	95.8	12.87	12.74	12.14	11.54
152	3	1	125	338.6	ON 317	43.4	73.5	12.16	12.74	12.14	11.54
					OFF 299	46.8	93.8	12.88	12.75	12.15	11.55
160	2	1	28	52.9	ON 337	14.6	44.8	12.25	12.12	11.52	10.92
					OFF 337	16.9	45.5	12.25	12.25	11.65	11.85
162	4	8	16	42.3	ON 287	45.8	187.8	12.82	12.74	12.14	11.54
					OFF 286	44.1	189.6	12.81	12.74	12.14	11.54
162	2	1	15	39.7	ON 335	9.7	43.4	12.24	11.71	11.11	10.51
					OFF 336	11.5	43.7	12.24	11.88	11.28	10.68
162	2	2	21	55.5	ON 338	18.1	45.6	12.25	12.31	11.71	11.11
					OFF 338	28.4	46.5	12.25	12.41	11.81	11.21
163	4	1	54	142.8	ON 342	11.8	43.6	12.26	11.91	11.31	10.71
					OFF 342	17.8	45.3	12.27	12.38	11.78	11.18
163	4	2	23	62.8	ON 342	21.8	46.5	12.27	12.43	11.83	11.23
					OFF 342	23.4	47.6	12.27	12.58	11.98	11.38
164	4	1	117	389.5	ON 342	11.6	43.4	12.26	11.89	11.29	10.69
					OFF 342	24.4	47.9	12.27	12.52	11.92	11.32
165	4	1	19	52.3	ON 388	47.6	81.7	12.12	12.75	12.15	11.55
					OFF 385	48.8	85.3	12.18	12.75	12.15	11.55
166	3	1	36	95.2	ON 312	46.7	76.3	12.14	12.75	12.15	11.55
					OFF 387	47.9	82.8	12.11	12.75	12.15	11.55
166	3	2	11	29.1	ON 298	48.2	95.7	12.87	12.75	12.15	11.55
					OFF 296	47.9	97.9	12.86	12.75	12.15	11.55
167	3	1	14	37.8	ON 324	42.4	64.6	12.19	12.73	12.13	11.53
					OFF 322	43.4	66.5	12.18	12.74	12.14	11.54
167	3	2	17	45.2	ON 316	45.8	72.4	12.16	12.75	12.15	11.55
					OFF 313	46.6	75.1	12.14	12.75	12.15	11.55
167	3	3	11	29.1	ON 322	48.5	88.6	12.89	12.75	12.15	11.55
					OFF 321	48.6	92.9	12.88	12.75	12.15	11.55
168	3	1	125	338.6	ON 321	44.1	67.5	12.18	12.74	12.14	11.54
					OFF 323	48.7	87.9	12.89	12.75	12.15	11.55
175	2	1	14	37.7	ON 329	-5.9	48.5	12.21	8.88	8.88	8.88
					OFF 334	-4.1	48.4	12.22	8.88	8.88	8.88
176	3	1	27	158.8	ON 326	-8.7	48.6	12.28	8.88	8.88	8.88
					OFF 333	-1.8	48.1	12.23	8.88	8.88	8.88
176	3	2	23	52.9	ON 341	11.6	41.2	12.27	11.88	11.28	10.68
					OFF 342	13.9	41.7	12.27	12.87	11.47	10.87
176	4	2	16	42.3	ON 291	48.9	183.2	12.84	12.75	12.15	11.55
					OFF 289	48.2	186.3	12.83	12.75	12.15	11.55

PHOTOGRAPHIC SUMMARY

AFT PAN CAMERA NO 195 P.2288				SLIT W/21		FILTER	3484 FILM			
GPS NO	FPA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRY	
82	2	21	55.5	ON 319	37.6	61.4	12.17	12.78	12.18	11.58
				OFF 319	39.1	63.6	12.17	12.71	12.11	11.51
82	2	3	7.9	ON 248	42.8	189.8	11.81	12.73	12.13	11.53
				OFF 248	41.4	111.2	11.81	12.73	12.13	11.53
83	4	54	142.8	ON 317	31.3	54.5	12.16	12.64	12.84	11.44



				OFF 319	35.9	59.1	12.17	12.69	12.89	11.49	
83	4	2	23	68.8	ON 319	38.1	61.9	12.17	12.78	12.18	11.58
					OFF 318	39.7	64.4	12.17	12.72	12.12	11.52
84	4	1	118	312.1	ON 317	31.2	54.3	12.16	12.64	12.84	11.44
					OFF 318	48.3	65.4	12.17	12.72	12.12	11.52
85	4	1	19	58.3	ON 285	41.6	111.1	12.88	12.73	12.13	11.53
					OFF 282	48.3	113.9	11.99	12.72	12.12	11.52
86	4	1	12	31.7	ON 289	43.3	186.7	12.83	12.74	12.14	11.54
					OFF 287	42.7	128.5	12.82	12.73	12.13	11.53
86	4	2	11	29.1	ON 275	36.8	128.5	11.95	12.69	12.89	11.49
					OFF 273	34.9	121.8	11.95	12.68	12.88	11.48
87	4	1	46	121.7	ON 305	46.8	88.2	12.11	12.75	12.15	11.55
					OFF 299	45.6	96.2	12.88	12.74	12.14	11.54
87	4	2	16	42.3	ON 293	44.4	182.8	12.85	12.74	12.14	11.54
					OFF 298	43.7	185.6	12.83	12.74	12.14	11.54
87	4	3	11	29.1	ON 284	41.7	111.2	12.88	12.73	12.13	11.53
					OFF 282	42.9	112.8	11.99	12.72	12.12	11.52
87	4	4	11	29.1	ON 279	39.1	116.2	11.98	12.71	12.11	11.51
					OFF 278	38.2	117.6	11.97	12.71	12.11	11.51
88	3	1	122	322.7	ON 314	45.5	97.4	12.15	12.74	12.14	11.54
					OFF 295	39.5	115.5	12.86	12.71	12.11	11.51
92	3	2	22	58.2	ON 329	23.3	48.9	12.21	12.58	11.98	11.38
					OFF 331	25.6	58.1	12.22	12.55	11.95	11.35
96	2	1	28	52.9	ON 335	38.8	53.1	12.24	12.64	12.84	11.44
					OFF 336	32.7	54.6	12.24	12.66	12.86	11.46
96	2	2	15	39.7	ON 283	33.3	124.4	12.88	12.66	12.86	11.46
					OFF 281	31.7	125.8	11.99	12.65	12.85	11.45
98	2	1	15	39.7	ON 333	26.6	58.8	12.23	12.57	11.97	11.37
					OFF 334	28.1	51.8	12.24	12.68	12.88	11.48
98	2	2	22	52.9	ON 336	33.6	55.3	12.24	12.67	12.87	11.47
					OFF 336	35.4	57.1	12.25	12.68	12.88	11.48
99	4	1	54	142.8	ON 334	28.3	51.8	12.24	12.68	12.88	11.48
					OFF 336	33.4	54.9	12.24	12.66	12.86	11.46
99	4	2	23	68.8	ON 336	35.8	57.4	12.25	12.69	12.89	11.49
					OFF 336	37.6	59.6	12.24	12.78	12.18	11.58
100	4	1	118	312.1	ON 334	26.1	58.8	12.24	12.68	12.88	11.48
					OFF 336	38.3	68.4	12.24	12.71	12.11	11.51
101	4	1	19	58.3	ON 302	44.3	186.7	12.88	12.74	12.14	11.54
					OFF 297	43.2	189.7	12.87	12.74	12.14	11.54
102	6	1	38	95.2	ON 302	45.6	181.7	12.89	12.74	12.14	11.54
					OFF 296	44.8	187.7	12.86	12.74	12.14	11.54
102	6	2	11	29.1	ON 287	39.5	117.5	12.82	12.71	12.11	11.51
					OFF 285	38.5	118.9	12.81	12.71	12.11	11.51
102	6	3	58	148.1	ON 274	29.8	127.9	11.95	12.62	12.82	11.42
					OFF 268	23.2	131.9	11.92	12.49	11.89	11.29
103	6	1	125	277.7	ON 319	46.5	82.2	12.17	12.75	12.15	11.55
					OFF 323	45.9	188.5	12.18	12.75	12.15	11.55
103	6	2	12	31.7	ON 296	44.4	186.8	12.86	12.74	12.14	11.54
					OFF 295	43.8	188.7	12.86	12.74	12.14	11.54
103	6	3	11	29.1	ON 291	42.2	112.5	12.84	12.73	12.13	11.53
					OFF 296	41.4	114.1	12.83	12.73	12.13	11.53

104	3	1	121	328.8	ON	311	46.9	91.8	12.13	12.75	12.15	11.55
					OFF	292	42.6	111.8	12.84	12.73	12.13	11.53
112	2	1	27	52.9	ON	326	28.8	49.5	12.28	12.59	11.99	11.39
					OFF	328	38.8	58.8	12.21	12.63	12.83	11.43
112	7	8	16	42.3	ON	290	37.8	122.3	12.83	12.78	12.18	11.58
					OFF	286	35.4	124.1	12.82	12.68	12.88	11.48
114	2	1	15	39.7	ON	322	23.5	46.9	12.18	12.58	11.98	11.38
					OFF	323	25.1	47.7	12.19	12.54	11.94	11.34
114	2	2	21	55.5	ON	329	31.8	51.3	12.21	12.64	12.84	11.44
					OFF	338	33.1	52.9	12.22	12.66	12.86	11.46
115	4	1	53	148.2	ON	324	25.4	47.7	12.19	12.55	11.95	11.35
					OFF	329	38.8	51.8	12.21	12.63	12.83	11.43
115	4	2	23	68.8	ON	331	33.5	53.1	12.22	12.67	12.87	11.47
					OFF	332	35.6	55.8	12.23	12.68	12.88	11.48
116	4	1	117	389.5	ON	324	25.2	47.5	12.19	12.54	11.94	11.34
					OFF	332	36.4	55.7	12.23	12.69	12.89	11.49
117	4	1	19	58.3	ON	311	46.8	182.8	12.13	12.75	12.15	11.55
					OFF	388	46.8	185.4	12.12	12.75	12.15	11.55
118	3	1	35	95.2	ON	315	47.8	96.4	12.15	12.75	12.15	11.55
					OFF	389	46.7	183.8	12.13	12.75	12.15	11.55
118	3	2	11	29.1	ON	297	42.9	114.2	12.87	12.73	12.13	11.53
					OFF	296	42.8	115.9	12.86	12.73	12.13	11.53
119	3	1	14	37.8	ON	325	47.8	81.7	12.28	12.75	12.15	11.55
					OFF	323	48.8	84.3	12.19	12.75	12.15	11.55
119	3	2	17	45.8	ON	318	48.2	91.8	12.17	12.75	12.15	11.55
					OFF	316	46.8	95.1	12.16	12.75	12.15	11.55
119	3	3	12	31.7	ON	384	45.3	188.4	12.18	12.74	12.14	11.54
					OFF	382	44.7	118.4	12.89	12.74	12.14	11.54
120	5	1	84	222.2	ON	317	48.2	93.2	12.16	12.75	12.15	11.55
					OFF	384	45.7	187.7	12.18	12.74	12.14	11.54
127	2	1	13	34.4	ON	387	6.5	41.4	12.11	11.57	18.97	18.37
					OFF	339	18.2	41.7	12.12	11.76	11.16	18.56
128	2	1	19	58.3	ON	326	25.8	46.8	12.28	12.54	11.94	11.34
					OFF	329	27.2	47.8	12.21	12.58	11.98	11.38
128	4	8	15	42.3	ON	291	48.9	119.9	12.84	12.72	12.12	11.52
					OFF	289	39.5	122.8	12.83	12.71	12.11	11.51
132	6	1	76	281.8	ON	315	9.5	47.9	12.15	11.68	11.88	18.48
					OFF	325	17.3	58.8	12.19	12.27	11.67	11.87
132	6	2	21	55.5	ON	338	23.8	52.5	12.22	12.49	11.89	11.29
					OFF	331	25.8	53.6	12.22	12.54	11.94	11.34
131	4	1	53	148.2	ON	325	17.5	49.9	12.28	12.28	11.68	11.88
					OFF	338	22.7	52.1	12.22	12.48	11.88	11.28
131	4	2	23	68.8	ON	332	25.5	53.7	12.23	12.55	11.95	11.35
					OFF	333	27.5	55.8	12.23	12.59	11.99	11.39
132	4	1	117	389.5	ON	325	17.3	49.7	12.28	12.27	11.67	11.87
					OFF	333	28.3	55.4	12.23	12.68	12.88	11.48
133	4	1	19	58.3	ON	312	43.2	91.8	12.14	12.74	12.14	11.54
					OFF	389	43.8	94.9	12.12	12.73	12.13	11.53
134	4	1	12	31.7	ON	316	43.3	86.9	12.16	12.74	12.14	11.54
					OFF	314	43.4	88.9	12.15	12.74	12.14	11.54
134	4	2	11	29.1	ON	299	41.6	183.5	12.87	12.73	12.13	11.53

					OFF 297	41.1	185.3	12.86	12.72	12.12	11.52
135	4	1	47	124.3	ON 329	48.8	78.4	12.21	12.72	12.12	11.52
					OFF 324	42.1	76.9	12.19	12.73	12.13	11.53
135	4	2	17	45.8	ON 319	43.1	83.8	12.17	12.74	12.14	11.54
					OFF 317	43.4	85.8	12.16	12.74	12.14	11.54
135	4	3	12	31.7	ON 311	43.5	91.9	12.13	12.74	12.14	11.54
					OFF 309	43.4	93.8	12.12	12.74	12.14	11.54
135	4	4	12	31.7	ON 305	42.9	97.9	12.18	12.73	12.13	11.53
					OFF 303	42.6	99.8	12.89	12.73	12.13	11.53
136	5	1	84	222.2	ON 312	43.4	84.2	12.14	12.74	12.14	11.54
					OFF 300	43.2	97.2	12.88	12.74	12.14	11.54
144	2	1	28	52.9	ON 337	17.2	47.7	12.25	12.27	11.67	11.87
					OFF 338	19.3	48.4	12.25	12.36	11.76	11.16
144	4	8	15	39.7	ON 286	41.3	189.3	12.81	12.73	12.13	11.53
					OFF 284	48.3	111.6	12.88	12.72	12.12	11.52
146	2	1	15	39.7	ON 335	12.7	46.1	12.24	11.97	11.37	10.77
					OFF 336	14.3	46.5	12.24	12.18	11.58	10.98
146	2	2	21	55.5	ON 338	28.4	48.5	12.25	12.41	11.81	11.21
					OFF 338	22.6	49.5	12.25	12.48	11.88	11.28
147	4	1	54	142.8	ON 336	14.6	46.4	12.25	12.11	11.51	10.91
					OFF 335	28.2	48.2	12.25	12.48	11.88	11.28
147	4	2	23	68.8	ON 338	23.2	49.5	12.25	12.49	11.89	11.29
					OFF 338	25.4	58.7	12.25	12.55	11.95	11.35
149	4	1	19	58.3	ON 323	45.5	86.5	12.18	12.74	12.14	11.54
					OFF 322	45.6	89.8	12.88	12.74	12.14	11.54
152	3	1	37	97.9	ON 308	45.1	81.2	12.12	12.74	12.14	11.54
					OFF 302	45.7	87.5	12.89	12.75	12.15	11.55
152	3	2	12	31.7	ON 293	45.8	99.5	12.85	12.74	12.14	11.54
					OFF 292	44.6	181.5	12.84	12.74	12.14	11.54
151	3	1	14	37.8	ON 322	42.8	68.8	12.17	12.73	12.13	11.53
					OFF 312	42.8	78.9	12.17	12.73	12.13	11.53
151	3	2	17	45.8	ON 312	44.6	77.1	12.14	12.74	12.14	11.54
					OFF 309	45.1	88.8	12.12	12.74	12.14	11.54
151	3	3	12	31.7	ON 297	45.8	93.8	12.87	12.75	12.15	11.55
					OFF 296	45.7	95.1	12.86	12.74	12.14	11.54
152	3	1	125	338.6	ON 316	43.4	72.8	12.16	12.74	12.14	11.54
					OFF 298	46.8	92.3	12.87	12.75	12.15	11.55
162	2	1	28	52.9	ON 337	14.6	44.2	12.25	12.11	11.51	10.91
					OFF 338	16.8	44.7	12.25	12.25	11.65	11.85
162	4	8	16	42.3	ON 286	45.8	186.5	12.81	12.74	12.14	11.54
					OFF 284	44.2	189.2	12.88	12.74	12.14	11.54
162	2	1	15	39.7	ON 335	9.7	42.9	12.24	11.78	11.18	10.58
					OFF 336	11.4	43.2	12.24	11.87	11.27	10.67
162	2	2	21	55.5	ON 338	18.8	44.7	12.25	12.31	11.71	11.11
					OFF 338	28.4	45.5	12.25	12.41	11.81	11.21
163	4	1	54	142.8	ON 339	11.8	43.8	12.26	11.98	11.38	10.78
					OFF 341	17.7	44.4	12.26	12.29	11.69	11.89
163	4	2	23	68.8	ON 341	21.8	45.5	12.27	12.43	11.83	11.23
					OFF 341	23.4	46.5	12.26	12.58	11.98	11.38
165	4	1	19	58.3	ON 326	47.6	88.7	12.11	12.75	12.15	11.55
					OFF 303	48.8	84.4	12.89	12.75	12.15	11.55

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166	3	1	36	95.2	ON	311	46.7	75.2	12.13	12.75	12.15	11.55
					OFF	385	47.9	81.9	12.18	12.75	12.15	11.55
166	3	2	11	29.1	ON	295	48.2	95.8	12.86	12.75	12.15	11.55
					OFF	294	48.8	97.3	12.85	12.75	12.15	11.55
167	3	1	14	37.8	ON	323	42.4	62.8	12.19	12.73	12.13	11.53
					OFF	321	43.4	64.9	12.18	12.74	12.14	11.54
167	3	2	17	45.8	ON	314	45.8	71.1	12.15	12.75	12.15	11.55
					OFF	312	46.6	74.8	12.14	12.75	12.15	11.55
167	3	3	11	29.1	ON	300	48.6	87.9	12.88	12.75	12.15	11.55
					OFF	298	48.6	90.2	12.87	12.75	12.15	11.55
168	3	1	125	338.6	ON	319	44.1	66.8	12.17	12.74	12.14	11.54
					OFF	300	48.7	87.1	12.88	12.75	12.15	11.55
175	2	1	14	37.8	ON	327	-5.9	48.2	12.21	8.88	8.88	8.88
					OFF	329	-4.1	48.1	12.21	8.88	8.88	8.88
176	3	1	57	156.8	ON	324	-8.7	48.4	12.19	8.88	8.88	8.88
					OFF	331	-1.8	39.8	12.22	8.88	8.88	8.88
176	3	2	28	52.9	ON	348	11.5	48.6	12.26	11.88	11.28	18.68
					OFF	348	13.9	41.8	12.26	12.67	11.47	18.87
176	4	8	15	39.7	ON	289	49.8	182.7	12.83	12.75	12.15	11.55
					OFF	287	48.3	185.9	12.82	12.75	12.15	11.55

STELLAR-INDEX SUMMARY

CAMERA DATA ET FILT FILTER GRID ASSEMBLY NO D84  
 STELLAR 2.8 3421 NONE 75  
 INDEX 1/50X 3482 W/21 182  
 PERFORMANCE SUMMARY

OPN	NO	FR	STEL	INDEX	H	M	S	Q	ON	ON	OFF	OFF	SEC	
			FEET	FEET					LAT	LONG	LAT	LONG	DUR	
82	6	1	1.89	2.18	3	16	43	1	39	57E	1	48	66E	175
83	4	1	8.79	1.58	4	41	58	1	47	42E	1	53	58E	123
83	4	2	8.48	8.79	4	44	59	1	56	55E	1	58	68E	51
84	4	1	1.68	3.37	6	18	38	1	47	19E	1	59	48E	264
85	4	1	8.38	8.59	7	55	46	2	52	189E	2	49	112E	49
86	4	1	8.28	8.48	9	23	16	2	55	81E	2	54	84E	38
86	4	2	8.18	8.22	9	27	37	2	41	97E	2	48	99E	38
87	4	1	8.69	1.39	18	47	41	2	64	28E	2	61	44E	111
87	4	2	8.32	8.59	14	51	9	2	58	54E	2	56	58E	42
87	4	3	8.28	8.48	18	53	22	2	51	65E	2	52	67E	38
87	4	4	8.18	8.28	12	54	56	2	46	78E	2	45	72E	29
88	3	1	1.78	3.55	12	18	41	2	61	24E	2	47	48E	293
92	3	8	8.38	8.59	15	8	39	1	38	122W	1	41	128W	51
96	2	1	8.48	8.79	23	56	31	1	49	112E	1	51	115E	47
96	2	2	8.28	8.48	2	17	29	2	33	121W	2	31	119W	42
98	2	1	8.28	8.48	2	52	28	1	44	62E	1	46	64E	36
98	2	2	8.48	8.79	2	55	17	1	53	73E	1	55	76E	48
99	4	1	8.79	1.58	4	21	57	1	47	42E	1	53	58E	122
99	4	2	8.38	8.59	4	25	5	1	56	55E	1	58	68E	51
184	4	1	1.68	3.37	5	52	41	1	47	28E	1	59	48E	264
181	4	1	8.38	8.59	7	35	48	2	52	118E	2	49	113E	48
182	6	1	7.58	8.99	9	3	15	2	55	82E	2	51	88E	98

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182	6	2	2	0.22	0.48	9	7	36	2	41	98E	2	48	99E	38
182	6	3	9	0.89	1.78	9	11	56	2	26	107E	2	17	112E	152
183	6	1	15	1.48	2.97	12	27	36	2	64	29E	2	56	58E	249
183	6	2	2	0.20	0.48	10	33	17	2	51	65E	2	58	67E	38
183	6	3	2	0.20	0.48	10	34	50	2	46	71E	2	45	73E	29
184	3	1	17	1.68	3.37	11	58	32	2	61	24E	2	47	48E	293
112	2	1	3	0.38	0.59	23	36	57	1	49	113E	1	52	116E	47
112	7	0	3	0.30	0.59	23	57	57	2	33	120W	2	31	119W	42
114	2	1	2	0.20	0.48	2	33	12	1	44	63E	1	46	64E	36
114	2	2	3	0.38	0.59	2	36	2	1	53	73E	1	55	77E	48
115	4	1	6	0.79	1.58	4	2	58	1	47	42E	1	53	50E	122
115	4	2	4	0.48	0.79	4	5	58	1	56	56E	1	58	61E	52
117	4	1	3	0.38	0.59	7	16	51	2	52	110E	2	49	113E	49
118	3	1	5	0.50	0.99	8	44	32	2	55	82E	2	51	89E	98
118	3	2	2	0.26	0.48	8	48	54	2	41	98E	2	48	99E	38
119	3	1	3	0.38	0.59	18	18	19	2	63	48E	2	62	44E	35
119	3	2	2	0.20	0.48	10	12	38	2	58	54E	2	56	58E	42
119	3	3	2	0.28	0.48	10	16	16	2	46	71E	2	45	73E	38
124	5	1	13	1.29	2.57	11	41	43	2	57	34E	2	47	48E	199
127	2	1	2	0.26	0.48	21	44	11	1	38	128E	1	32	121E	34
128	2	1	3	0.38	0.59	23	18	39	1	49	113E	1	51	116E	46
128	4	0	2	0.26	0.48	23	39	36	2	33	128W	2	31	119W	42
130	6	1	11	1.89	2.18	2	12	29	1	36	57E	1	46	65E	175
130	6	2	4	0.48	0.79	2	17	37	1	53	73E	1	56	77E	49
131	4	1	7	0.69	1.39	5	44	21	1	47	43E	1	53	50E	121
131	4	2	4	0.48	0.79	3	47	29	1	56	56E	1	58	61E	52
132	4	1	17	1.68	3.37	5	13	9	1	47	28E	1	59	41E	264
133	4	1	3	0.38	0.59	6	58	13	2	52	110E	2	49	113E	48
134	4	1	2	0.20	0.48	8	25	52	2	55	82E	2	54	85E	38
134	4	2	2	0.28	0.48	8	32	13	2	41	98E	2	48	108E	38
135	4	1	7	0.69	1.39	9	58	19	2	64	29E	2	61	44E	111
135	4	2	3	0.38	0.59	9	53	46	2	58	55E	2	56	59E	42
135	4	3	2	0.20	0.48	9	56	8	2	51	66E	2	58	68E	38
135	4	4	2	0.26	0.48	9	57	32	2	46	71E	2	45	73E	38
136	5	1	12	1.19	2.38	11	22	55	2	57	34E	2	47	49E	198
144	2	1	3	0.38	0.59	22	59	9	1	49	113E	1	51	116E	46
144	4	0	2	0.28	0.48	23	28	8	2	33	128W	2	31	119W	42
146	2	1	3	0.38	0.59	1	55	8	1	44	63E	1	46	65E	36
146	2	2	3	0.38	0.59	1	57	57	1	53	73E	1	55	77E	49
147	4	1	6	0.79	1.58	3	24	37	1	46	43E	1	53	51E	122
147	4	2	4	0.48	0.79	3	27	46	1	56	56E	1	58	61E	52
149	4	1	3	0.38	0.59	6	38	21	2	52	110E	2	49	113E	48
150	3	1	5	0.50	0.99	8	5	54	2	55	82E	2	51	89E	98
150	3	2	2	0.20	0.48	6	18	16	2	41	99E	2	48	108E	31
151	3	1	2	0.20	0.48	9	31	33	2	63	48E	2	62	44E	34
151	3	2	3	0.38	0.59	9	33	44	2	58	55E	2	56	59E	42
151	3	3	2	0.26	0.48	9	37	29	2	46	72E	2	45	73E	38
152	3	1	18	1.78	3.56	11	1	14	2	61	25E	2	47	49E	293
162	2	1	3	0.38	0.59	22	38	38	1	49	114E	1	51	117E	46
162	4	0	3	0.38	0.59	22	59	35	2	33	119W	2	31	118W	42
162	2	1	2	0.26	0.48	1	34	26	1	44	64E	1	46	65E	35

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162	2	2	4	0.48	0.79	1	37	15	1	53	74E	1	55	78E	49
163	4	1	8	0.79	1.58	3	3	52	1	46	44E	1	53	51E	121
163	4	2	3	0.38	0.59	3	7	8	1	56	57E	1	58	62E	52
164	4	1	17	1.68	3.37	4	32	31	1	46	21E	1	59	41E	263
165	4	1	3	0.38	0.59	6	17	24	2	52	111E	2	49	114E	49
166	3	1	6	0.59	1.19	7	44	53	2	55	83E	2	51	98E	98
166	3	2	2	0.28	0.48	7	49	14	2	42	99E	2	48	188E	38
167	3	1	2	0.28	0.48	9	18	28	2	63	41E	2	62	45E	34
167	3	2	3	0.38	0.59	9	12	39	2	58	56E	2	56	59E	42
167	3	3	1	0.18	0.28	9	16	25	2	47	72E	2	45	74E	38
168	3	1	19	1.88	3.76	12	48	4	2	61	25E	2	47	49E	293
175	2	1	2	0.28	0.48	28	42	39	1	29	122E	1	31	123E	34
176	3	1	8	0.79	1.58	22	12	27	1	26	98E	1	34	182E	132
176	3	2	3	0.38	0.59	22	16	54	1	49	114E	1	51	117E	46
176	4	2	3	0.38	0.59	22	37	58	2	34	119W	2	31	117W	42

NOTE - ONLY THE LAST SIX FRAMES FOR OPERATION 882-86-1 ON THE F&C PAN CAMERA AND THE LAST SIX FRAMES FOR OPERATION 182-86-2 ON THE AFT PAN CAMERA ARE CONTAINED IN THE MISSION RECOVERY CAPSULE.

NOTE - OPERATION 882-88-2 IS THE CUT AND WRAP OPERATION WHICH OCCURRED AT THE TIME OF A MISSION RECOVERY.

NOTE - T/M DATA INDICATE NOMINAL SYSTEM PERFORMANCE.

NOTE - T/M DATA INDICATED THAT BOTH PANORAMIC CAMERAS RAN OUT OF FILM PRIOR TO OPERATION 176-4-2.