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4 PAGES
(NOT INCLUDING PEST)

CORONA J-FLIGHT DATA BOOK

SYSTEM NO. J-32

VEHICLE NO. 1631

MISSION NO. 1836-2

CAMERA NOS. 198/191

DATE 8-22-66

PAGE 1

Declassified and Released by the NRO

in Accordance with E. O. 12858

on NOV 26 1997

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SYSTEM NO. J-32
VEHICLE NO. 1631
MISSION NO. 1036-2
CAMERA NOS. 190/191

TABLE OF CONTENTS	PAGE NO.
GENERAL FLIGHT DATA	3
CYCLE PERIOD DATA	4
PERFORMANCE ESTIMATE	5- UP

SYSTEM NO. J-32
VEHICLE NO. 1531
MISSION NO. 1936-2
CAMERA NOS. 190/191

GENERAL FLIGHT DATA

MASTER CAMERA SERIAL NO. 190

SLAVE CAMERA SERIAL NO. 191

S/I -1 SERIAL NO. D89/110/111

S/I -2 SERIAL NO. D38/128/126

LAUNCH DATE 5-09-66

REACTIVATION DATE N/A

REACTIVATION ORBIT N/A

ORBITAL PARAMETERS (REV. 163)

PERIOD 39.119 MIN ECCENTRICITY 0.20742

PERIGEE 193.382 NM PERIGEE LAT. 45.641

APOGEE 156.372 NM INCL. ANGLE 100.114

RECOVERY ORBIT NO. 212

RECOVERY DATE 8-22-66

SECRET

SYSTEM NO. U-32
VEHICLE NO. 1831
MISSION NO. 1836-2
CAMERA NOS. 198/191

CYCLE PERIOD DATA

V/H RAMP SETTING LEVEL	AMPLITUDE	TIME UP RAMP-SEC	---CALIBRATED---		---IN-FLIGHT---		ORBIT NO.
			MASTER	SLAVE	MASTER	SLAVE	
5	5	1730	2.166	2.132	2.225	2.225	113
5	5	230	3.360	3.384	3.410	3.413	121
5	5	1770	2.170	2.120	2.250	2.255	129
5	5	2230	2.216	2.210	2.235	2.230	145
5	5	1895	2.215	2.209	2.232	2.228	161
5	5	1850	2.215	2.210	2.250	2.245	178

NOTE

AN * OR -0 INDICATES NO DATA AVAILABLE.

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B. DRY

C. PERFORMANCE ESTIMATE PART ONE

OPERATIONS SUMMARY

FWD	PAN	CAMERA	NUMBER	192	OPN NO	FRA	ON	OFF	0	LAT	LONG	HEIGHT	RANGE	CA	H	M	S	LTIM	S-TIM
114	3	2	13	ON	1	1	13	39	13E	911893	945543	16	21	57	35		234	79055	
				OFF	1	4	22	39	27E	946290	939724	16	21	59	23		232	79103	
115	3	2	3	ON	2	57	48	153	57W	662745	666928	16	23	56	27		1341	86187	
				OFF	2	56	11	154	52W	659562	683625	16	23	56	50		1337	86210	
119	7	1	39	ON	2	49	5	112	1E	644883	668374	17	5	55	32		1323	21332	
				OFF	2	43	4	109	22E	635388	658522	17	5	57	3		1314	21423	
119	7	2	56	ON	2	26	11	173	44E	620245	642818	17	6	1	17		1256	21677	
				OFF	2	17	39	101	26E	623211	642775	17	6	3	24		1249	21824	
120	7	1	29	ON	2	46	9	83	23E	639887	663183	17	7	25	30		1319	26730	
				OFF	2	41	36	86	31E	633322	656358	17	7	26	39		1312	26799	
120	7	2	35	ON	2	35	12	84	14E	625273	648857	17	7	28	15		13	5	26895
				OFF	2	29	41	82	29E	621933	644562	17	7	29	38		1259	26978	
121	8	2	13	ON	1	38	39	127	1W	834767	865456	17	8	31	39		8	3	38699
				OFF	1	41	33	122	6W	829147	859623	17	8	32	24		2359	32744	
121	8	1	72	ON	2	46	42	56	21E	648551	663879	17	8	54	34		1320	32074	
				OFF	2	35	39	62	7E	626529	649331	17	8	57	20		13	5	32240
122	3	1	55	ON	2	52	5	45	43E	645916	669446	17	10	22	55		1325	37375	
				OFF	2	41	24	41	54E	632762	655797	17	10	25	7		1312	37587	
123	5	1	15	ON	2	74	31	52	55E	723886	726485	17	11	45	29		1517	42329	
				OFF	2	72	23	46	48E	694625	719991	17	11	46	9		1453	42369	
123	5	2	48	ON	2	61	7	30	43E	667284	691535	17	11	49	17		1352	42557	
				OFF	2	53	20	25	12E	651483	675139	17	11	51	18		1332	42678	
126	7	1	53	ON	3	4	34	59	52W	649342	672999	17	16	33	22		1233	59602	
				OFF	3	13	9	61	58W	678336	694783	17	16	35	30		1227	59730	
129	3	2	19	ON	2	37	9	115	29W	626697	649498	17	20	50	35		13	8	75035
				OFF	2	34	7	116	30W	624124	646815	17	20	51	21		13	5	75081
133	6	1	45	ON	2	66	39	173	59E	674712	699326	18	2	39	45		1415	9585	
				OFF	2	59	35	166	47E	659511	683553	18	2	41	38		1348	9696	
135	9	1	55	ON	2	26	15	107	31E	619423	641957	18	5	48	25		1258	20905	
				OFF	2	17	47	105	14E	623688	643270	18	5	50	31		1251	21031	
135	9	2	31	ON	2	1	23	101	11E	638845	662187	18	5	54	36		1239	21276	
				OFF	3	3	38	99	58E	648562	672192	18	5	55	51		1235	21351	
136	9	1	71	ON	2	56	38	94	18E	642802	665385	18	7	11	29		1328	25889	
				OFF	2	39	36	89	32E	627336	652168	18	7	14	16		1312	26056	
137	3	1	19	ON	2	77	0	111	55E	699987	725555	18	8	33	18		16	1	30798
				OFF	2	74	32	101	16E	692335	717614	18	8	34	10		1519	30850	
137	3	2	69	ON	2	47	8	77	21E	636315	659484	18	8	41	33		1322	31293	
				OFF	2	36	33	66	12E	624281	646915	18	8	44	13		13	9	31453
138	5	1	23	ON	2	37	34	44	17E	624979	647722	18	10	13	8		1310	36788	
				OFF	2	34	3	43	7E	622249	644890	18	10	14	1		13	6	36841
138	6	2	54	ON	2	5	18	35	21E	632724	655757	18	10	21	9		1242	37269	
				OFF	3	3	16	33	17E	648079	671688	18	10	23	17		1236	37397	
139	5	1	11	ON	2	74	5	55	16E	689949	715138	18	11	32	40		1513	41560	

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139	5	2	OFF	2	72	32	5	58E	605619	71852	18	11	33	9	1457	41589	
			ON	2	54	6	27	13E	642291	663629	18	11	39	9	1328	41949	
145	5	1	OFF	2	43	34	23	7E	627726	658635	18	11	41	33	1314	42893	
			ON	2	37	4	111	42W	623997	646723	18	20	37	26	1310	74246	
152	7	1	OFF	2	31	30	113	29W	622613	643192	18	20	38	49	13	4	74329
			ON	3	16	30	122	56E	626221	711060	19	4	16	32	1228	15392	
151	5	1	OFF	3	24	12	12	53E	718842	736819	19	4	18	27	1222	15507	
			ON	2	49	8	115	53E	626843	649656	19	5	31	35	1315	19895	
151	5	2	OFF	2	32	38	113	29E	621762	644384	19	5	33	28	13	6	20808
			ON	2	26	11	111	24E	622263	642829	19	5	35	4	13	0	20104
152	5	1	OFF	2	17	43	129	6E	622721	645379	19	5	37	10	1253	20230	
			ON	2	60	11	124	24E	654322	678148	19	6	55	37	1353	24937	
153	4	1	OFF	2	49	34	97	40E	637301	668507	19	6	58	21	1329	25101	
			ON	2	77	6	116	24E	691546	716796	19	8	19	50	16	5	29990
153	4	2	OFF	2	74	35	105	21E	684346	709323	19	8	20	44	1522	30044	
			ON	2	55	33	79	47E	645271	669399	19	8	25	50	1341	30350	
153	4	3	OFF	2	49	14	75	15E	636434	659659	19	8	27	35	1328	30455	
			ON	2	47	3	74	13E	633641	656713	19	8	28	8	1325	30488	
154	3	1	OFF	2	44	46	73	13E	630946	653914	19	8	28	42	1321	30522	
			ON	2	62	7	59	32E	653172	676973	19	9	53	56	1353	35636	
155	6	1	OFF	2	47	31	52	11E	633825	656963	19	9	57	10	1325	35830	
			ON	2	63	54	41	6E	659620	683728	19	11	22	4	14	6	40924
155	6	2	OFF	2	61	41	38	56E	655529	679400	19	11	22	39	1358	40959	
			ON	2	55	59	34	33E	645669	669189	19	11	24	8	1342	41048	
158	7	1	OFF	2	43	59	26	23E	629451	652362	19	11	27	11	1320	41231	
			ON	3	47	29	66	12W	800275	829649	19	16	17	27	1156	58647	
160	3	0	OFF	3	56	24	70	7W	835050	865753	19	16	19	45	1139	58785	
			ON	2	49	28	84	13W	624693	647425	19	18	53	44	1316	68024	
160	3	1	OFF	2	37	46	85	12W	622687	645344	19	18	54	24	1313	68064	
			ON	2	21	12	90	12W	622391	642962	19	18	58	32	1257	68312	
161	3	1	OFF	2	17	10	91	16W	622733	645360	19	18	59	32	1254	68372	
			ON	2	73	6	77	5W	675506	700151	19	20	14	15	15	5	72855
161	3	2	OFF	2	59	32	84	45W	667629	691977	19	20	15	18	1436	72918	
			ON	2	37	33	107	31W	622312	644955	19	20	23	35	1313	73415	
166	3	1	OFF	2	31	21	109	33W	619495	642032	19	20	25	8	13	6	73500
			ON	2	66	38	159	36E	659630	683676	20	3	41	41	1420	13301	
166	3	2	OFF	2	64	32	157	5E	655763	679663	20	3	42	15	1410	13335	
			ON	2	66	36	153	17E	648920	672563	20	3	43	18	1356	13398	
167	3	1	OFF	2	59	2	152	1E	646342	669886	20	3	43	43	1351	13423	
			ON	2	52	6	124	13E	633474	656536	20	5	15	6	1332	18906	
167	3	2	OFF	2	39	35	119	44E	623255	645933	20	5	17	45	1316	19065	
			ON	2	26	11	115	27E	619325	641056	20	5	21	6	13	2	19266
168	3	1	OFF	2	21	41	114	12E	620644	643224	20	5	22	13	1259	19333	
			ON	2	42	31	98	36E	625317	648066	20	6	46	7	1320	24367	
169	7	1	OFF	2	34	19	95	40E	620242	642007	20	6	48	10	1310	24490	
			ON	2	55	35	82	52E	642102	663414	20	8	11	55	1343	29515	
169	7	2	OFF	2	49	19	79	21E	631929	654933	20	8	13	31	1330	29611	
			ON	2	30	6	72	6E	619124	641627	20	8	18	20	13	6	29900
170	3	1	OFF	2	26	27	71	2E	619168	641693	20	8	19	15	13	3	29955
			ON	2	55	36	62	38E	639759	663058	20	9	41	1	1343	34861	
			OFF	2	47	22	56	11E	629440	652351	20	9	43	7	1327	34987	

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	87	ON	2	56	38	39	52	647264	664235	20	11	9	51	1346	49191			
		OFF	2	43	26	32	15E	625392	643150	20	11	13	12	1322	42392			
172	6	1	15	ON	2	50	46	19	54E	645614	677171	20	12	37	54	1357	45474	
		OFF	2	52	24	18	5E	643392	666576	20	12	38	30	1356	45510			
172	6	2	36	ON	2	55	15	15	56E	638517	661769	20	12	39	18	1343	45558	
		OFF	2	49	41	12	49E	631439	654424	20	12	40	43	1332	45643			
174	8	1	23	ON	2	6	3	46	54E	642653	672284	20	15	51	19	1243	57079	
		OFF	2	4	41	48	18	653974	682993	20	15	52	28	1240	57148			
178	3	0	12	ON	2	73	43	125	12E	622715	643299	20	21	38	1	1317	77881	
		OFF	2	36	47	125	53E	619795	642344	20	21	38	30	1314	77910			
183	7	1	46	ON	2	66	38	141	33E	651951	675719	21	4	56	13	1422	17773	
		OFF	2	59	36	134	25E	641969	664355	21	4	58	5	1355	17885			
183	7	2	9	ON	2	3	17	113	46E	643588	666946	21	5	12	12	1247	18732	
		OFF	2	1	48	113	24E	646454	670002	21	5	12	35	1246	18755			
184	7	1	51	ON	2	42	5	142	38E	622163	644801	21	6	31	36	1322	23496	
		OFF	2	34	23	99	54E	613725	641233	21	6	33	32	1313	23612			
185	3	1	58	ON	2	56	4	87	24E	635745	658893	21	7	57	7	1346	28627	
		OFF	2	48	28	83	9E	627216	658044	21	7	59	3	1331	28743			
186	8	1	38	ON	2	49	38	61	26E	627982	654836	21	9	27	52	1333	34072	
		OFF	2	37	23	56	27E	619487	642824	21	9	30	55	1316	34255			
187	3	1	56	ON	2	79	52	116	4E	683347	768287	21	10	47	26	1831	38846	
		OFF	2	77	39	83	30E	672524	697035	21	10	49	2	1623	38942			
187	3	2	82	ON	2	56	6	42	58E	635127	658252	21	10	55	14	1347	39314	
		OFF	2	44	4	36	44E	623049	645722	21	10	58	18	1325	39498			
188	3	1	36	ON	2	59	4	23	38E	642031	663340	21	12	23	16	1357	44596	
		OFF	2	54	32	19	44E	632889	655930	21	12	24	42	1343	44682			
191	9	1	72	ON	2	6	57	64	37E	649325	672961	21	17	5	16	1246	61516	
		OFF	3	11	9	67	33E	679199	703982	21	17	8	17	1238	61697			
192	4	0	19	ON	2	40	44	75	42E	620114	642674	21	18	24	25	1321	66265	
		OFF	2	37	38	76	49E	618203	641315	21	18	25	11	1317	66311			
196	6	1	9	ON	3	34	29	174	52E	757920	785620	22	8	39	17	1218	2357	
		OFF	3	36	6	174	17E	764524	792515	22	8	39	44	1216	2384			
197	8	1	9	ON	2	26	27	166	52E	621982	644610	22	1	54	40	13	2	6880
		OFF	2	18	51	166	27E	623316	645996	22	1	55	4	13	0	6904		
197	8	2	9	ON	2	6	19	163	18E	639782	663079	22	1	58	11	1251	7091	
		OFF	2	4	44	162	56E	642615	666620	22	1	58	34	1250	7114			
198	4	1	43	ON	2	52	21	161	36E	636806	659994	22	3	13	40	14	0	11620
		OFF	2	53	46	157	3E	629073	651973	22	3	15	22	1343	11722			
199	4	1	67	ON	2	65	45	144	48E	643915	667370	22	4	41	16	1420	16876	
		OFF	2	55	43	135	59E	633867	653832	22	4	43	54	1347	17034			
200	4	1	54	ON	2	42	15	107	3E	619420	641955	22	6	16	20	1324	22580	
		OFF	2	33	44	104	3E	616979	639422	22	6	18	20	1314	22708			
201	4	1	17	ON	2	72	12	111	13E	653396	677202	22	7	37	30	15	2	27450
		OFF	2	59	43	106	9E	649191	672845	22	7	38	13	1442	27493			
201	4	2	36	ON	2	52	14	39	27E	626623	649429	22	7	42	51	1340	27771	
		OFF	2	46	42	86	41E	621933	644562	22	7	44	16	1331	27856			
202	6	1	76	ON	2	55	9	69	36E	633394	653330	22	9	10	52	1349	33052	
		OFF	2	44	38	63	35E	620335	642904	22	9	13	48	1320	33220			
203	6	1	48	ON	2	50	11	43	56E	624179	646892	22	10	41	24	1337	38484	
		OFF	2	42	40	43	34E	619005	641524	22	10	43	18	1325	38598			
204	7	1	14	ON	2	50	33	28	26E	634801	657914	22	12	7	46	14	1	43666

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294	7	2	OFF	2	58	24	26	44E	632204	655219	22	12	8	20	1355	43790	
			ON	2	59	25	13	7E	615959	639432	22	12	15	41	1310	44141	
			OFF	2	26	12	12	53E	613263	648546	22	12	16	27	13	8	44187
284	7	3	ON	2	19	12	11	5E	622631	645348	22	12	18	9	13	2	44289
			OFF	2	14	47		51E	627420	659262	22	12	19	16	1258	44356	
276	8	1	ON	2	66	13	18	9W	641464	664848	22	15	4	18	1423	54258	
			OFF	2	62	40	14	5W	635652	659835	22	15	5	15	14	8	54315
276	8	2	ON	3	14	26	41	43W	691966	716294	22	15	24	35	1237	55475	
			OFF	3	25	11	44	35W	726276	752836	22	15	27	16	1228	55636	
211	5	1	ON	2	76	7	98	9W	655179	679057	22	22	26	24	1553	80784	
			OFF	2	72	54	109	12W	649253	672939	22	22	27	27	1510	80847	

OPERATIONS SUMMARY

AFT PAN CAMERA NUMBER 191

OPN NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM						
114	3	8	13	ON	1	2	42	39	16E	918467	944062	16	21	57	47	034	79067	
			OFF	1	3	51	33	32E	924847	938226	16	21	58	35	032	79115		
115	8	8	4	ON	2	57	48	153	48W	661936	685135	16	23	56	39	1341	86199	
			OFF	2	56	19	154	52W	657895	681875	16	23	57	2	1337	86222		
119	7	1	39	ON	2	49	11	112	1E	643500	666939	17	5	55	44	1323	21344	
			OFF	2	43	19	109	22E	634251	657342	17	5	57	15	1314	21435		
119	7	2	56	ON	2	26	15	103	42E	629002	642558	17	6	1	29	1256	21689	
			OFF	2	17	43	101	24E	629506	643081	17	6	3	36	1249	21816		
120	7	1	29	ON	2	46	15	88	22E	638624	661879	17	7	25	42	1319	26742	
			OFF	2	41	41	86	29E	632244	655259	17	7	26	51	1312	26811		
120	7	2	36	ON	2	35	17	84	12E	625330	648086	17	7	28	27	13	5	26907
			OFF	2	29	45	82	27E	621495	644108	17	7	29	50	1259	26990		
121	3	2	12	ON	1	38	16	126	57W	833213	863849	17	8	31	51	0	3	30711
			OFF	1	41	10	120	1W	827585	858082	17	8	32	36	0	0	30756	
121	8	1	72	ON	2	46	46	66	22E	639287	662568	17	8	54	46	1319	32086	
			OFF	2	35	44	62	5E	625775	648548	17	8	57	32	13	5	32252	
122	3	1	56	ON	2	50	12	45	43E	644532	668010	17	10	23	7	1325	37387	
			OFF	2	41	30	41	53E	631734	654731	17	10	25	19	1312	37519		
123	5	1	15	ON	2	74	48	53	21E	698911	724439	17	11	45	41	1518	42341	
			OFF	2	72	32	47	6E	692747	718042	17	11	46	21	1454	42381		
123	5	2	49	ON	2	61	15	30	46E	665500	689775	17	11	49	29	1352	42569	
			OFF	2	53	26	25	13E	649918	673599	17	11	51	30	1332	42690		
126	7	1	53	ON	3	4	27	59	54W	651131	674854	17	16	33	34	1233	59614	
			OFF	3	13	0	62	0W	672613	697146	17	16	35	42	1227	59742		
129	3	8	19	ON	2	37	14	115	31W	625936	648715	17	20	50	47	13	8	75047
			OFF	2	34	12	115	32W	623507	646195	17	20	51	33	13	5	75093	
133	6	1	45	ON	2	66	47	174	6E	672995	697545	18	2	39	57	1416	9597	
			OFF	2	59	42	166	50E	657941	681923	18	2	41	50	1348	9710		
135	9	1	55	ON	2	26	19	107	29E	619313	641844	18	5	48	37	1258	20917	
			OFF	2	17	51	105	11E	621100	643697	18	5	50	43	1251	21043		
135	9	2	31	ON	2	1	29	101	9E	640311	663629	18	5	54	40	1239	21208	
			OFF	3	3	31	99	56E	650338	674033	18	5	56	3	1235	21363		
136	9	1	72	ON	2	50	44	94	17E	640720	664055	18	7	11	41	1328	25901	
			OFF	2	39	41	89	32E	626513	649314	18	7	14	20	1312	26068		
137	3	1	19	ON	2	77	7	112	33E	698178	723677	18	8	33	30	16	3	30810

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137	3	2	OFF	2	74	48	131	48E	592543	715754	18	8	34	22	1526	32862	
			ON	2	47	14	7	29E	635171	658297	18	8	41	45	1322	31385	
138	6	1	OFF	2	36	38	66	13E	623535	646224	18	8	44	25	13	8	31465
			ON	2	37	58	44	15E	624271	646988	18	10	13	20	1312	36888	
138	6	2	OFF	2	34	8	47	5E	621722	644343	18	10	14	13	13	6	36853
			ON	2	5	23	35	19E	633958	657837	18	10	21	21	1242	37281	
139	5	1	OFF	3	3	9	33	15E	649845	673521	18	10	23	29	1236	37489	
			ON	2	74	13	55	33E	688179	713301	18	11	32	52	1515	41572	
139	5	2	OFF	2	72	48	51	15E	634964	729231	18	11	33	21	1458	41681	
			ON	2	59	12	27	15E	639254	662326	18	11	39	21	1328	41961	
145	5	1	OFF	2	40	38	23	5E	626944	649761	18	11	41	45	1313	42185	
			ON	2	37	9	111	42W	623376	646859	18	20	37	38	1318	74258	
150	7	1	OFF	2	31	35	113	31W	628284	642851	18	20	39	1	13	4	74341
			ON	3	16	28	122	35E	688521	713654	19	4	16	44	1228	15484	
151	5	1	OFF	3	24	8	126	53E	713651	739733	19	4	18	39	1221	15519	
			ON	2	47	13	115	52E	626127	648913	19	5	31	47	1315	19987	
151	5	2	OFF	2	32	43	113	18E	621418	644827	19	5	33	48	13	6	20228
			ON	2	26	15	111	22E	624275	642843	19	5	35	16	13	8	20116
152	5	1	OFF	2	17	47	129	4E	623241	645918	19	5	37	22	1253	20242	
			ON	2	60	18	124	26E	652889	676681	19	6	55	49	1353	24949	
153	4	1	OFF	2	49	39	97	39E	636225	659378	19	6	58	33	1328	25113	
			ON	2	77	12	117	6E	689886	715272	19	8	28	2	16	7	30082
153	4	2	OFF	2	74	43	155	43E	682725	707628	19	8	29	56	1523	30056	
			ON	2	55	48	78	47E	644592	668878	19	8	26	18	1341	30378	
153	4	3	OFF	2	49	28	75	14E	635418	658545	19	8	27	47	1328	30467	
			ON	2	47	8	74	12E	632649	655688	19	8	28	28	1324	30588	
154	3	1	OFF	2	44	51	73	12E	632845	652979	19	8	28	54	1321	30534	
			ON	2	69	13	59	52E	651777	675527	19	9	54	8	1353	35648	
155	6	1	OFF	2	47	37	52	13E	632884	655924	19	9	57	22	1325	35842	
			ON	2	64	1	41	17E	658211	682283	19	11	22	16	14	6	40936
155	6	2	OFF	2	61	48	32	59E	654887	677925	19	11	22	51	1358	40971	
			ON	2	66	5	34	34E	644393	667866	19	11	24	28	1342	41068	
158	7	1	OFF	2	44	4	28	22E	628688	651479	19	11	27	23	1326	41243	
			ON	3	47	9	65	7W	803421	832915	19	16	17	39	1156	58659	
162	3	2	OFF	3	56	1	69	57W	838865	868882	19	16	19	57	1139	58797	
			ON	2	48	32	84	15W	624848	646748	19	18	53	56	1316	68036	
162	3	1	OFF	2	37	51	85	14W	622161	644798	19	18	54	36	1313	68076	
			ON	2	21	16	90	15W	628768	643353	19	18	58	44	1257	68324	
161	3	1	OFF	2	17	15	91	18W	623322	646883	19	18	59	44	1254	68384	
			ON	2	73	14	76	42W	673945	698531	19	20	14	27	15	7	72867
161	3	2	OFF	2	69	40	84	36W	666115	698485	19	20	15	38	1436	72938	
			ON	2	37	37	127	33W	621884	644428	19	20	23	47	1313	73427	
166	3	1	OFF	2	31	25	129	35W	619382	641832	19	28	25	28	13	6	73528
			ON	2	66	45	159	42E	658218	682283	28	3	41	53	1428	13313	
166	3	2	OFF	2	64	39	157	13E	654382	678231	28	3	42	27	1418	13347	
			ON	2	62	43	153	19E	647625	671219	28	3	43	38	1356	13418	
167	3	1	OFF	2	59	8	152	2E	645283	668582	28	3	43	55	1351	13435	
			ON	2	58	11	124	13E	632497	655522	28	5	15	18	1331	18918	
167	3	2	OFF	2	39	48	119	42E	622783	645361	28	5	17	57	1316	19877	
			ON	2	26	15	115	24E	619462	641998	28	5	21	18	13	2	19278
			OFF	2	21	45	114	10E	621848	643634	28	5	22	25	1258	19345	

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	54	ON	2	42	36	90	35E	624637	647367	20	6	46	19	1320	24379			
		OFF	2	74	24	95	38E	619951	642515	20	6	48	22	1310	24502			
169	7	1	41	ON	2	55	41	32	52E	638967	662236	20	8	12	7	1343	29527	
		OFF	2	49	25	79	23E	638990	653967	20	8	13	43	1330	29623			
169	7	2	24	ON	2	37	18	72	4E	619741	641562	20	8	18	32	13	6	29912
		OFF	2	26	31	71	4E	619326	641836	20	8	19	27	13	3	29967		
170	3	1	54	ON	2	55	42	67	39E	638633	661890	20	9	41	13	1343	34873	
		OFF	2	47	27	56	18E	628591	651479	20	9	43	19	1327	34999			
171	6	1	86	ON	2	56	44	39	5E	639718	663016	20	11	10	3	1346	48203	
		OFF	2	43	30	32	13E	624797	647440	20	11	13	24	1322	48404			
172	6	1	14	ON	2	62	46	19	55E	645373	662883	20	12	39	6	1357	45486	
		OFF	2	55	38	18	6E	641898	665277	20	12	38	42	1350	45522			
172	6	2	36	ON	2	55	20	15	56E	637422	660631	20	12	39	30	1343	45570	
		OFF	2	49	46	12	43E	630522	653473	20	12	40	55	1331	45655			
174	8	1	27	ON	3	0	3	46	56W	650382	674078	20	15	51	31	1243	57091	
		OFF	3	4	33	40	2W	660957	685051	20	15	52	40	1240	57160			
178	3	0	12	ON	2	38	47	125	14W	622303	642868	20	21	38	13	1317	77893	
		OFF	2	35	51	125	55W	619469	642005	20	21	38	42	1314	77922			
183	7	1	46	ON	2	56	44	141	33E	650695	674406	21	4	56	25	1422	17785	
		OFF	2	59	42	134	26E	639893	663196	21	4	58	17	1355	17897			
183	7	2	9	ON	2	3	24	113	45E	645002	668579	21	5	12	24	1247	18744	
		OFF	2	1	52	113	23E	643114	671725	21	5	12	47	1246	18767			
184	7	1	51	ON	2	42	12	102	37E	621644	644262	21	6	31	48	1322	23500	
		OFF	2	34	27	99	52E	618559	641061	21	6	33	44	1313	23624			
185	3	1	50	ON	2	56	12	87	24E	634739	657049	21	7	57	19	1346	28639	
		OFF	2	48	33	83	6E	626454	649253	21	7	59	15	1331	28755			
186	0	1	80	ON	2	49	35	61	25E	627190	650016	21	9	28	4	1333	34084	
		OFF	2	37	27	56	25E	619193	641719	21	9	31	7	1316	34267			
187	3	1	36	ON	2	79	52	116	58E	681946	786834	21	10	47	38	1835	38858	
		OFF	2	77	44	84	11E	671127	695606	21	10	49	14	1625	38954			
187	3	2	79	ON	2	56	12	42	53E	634137	657225	21	10	55	26	1347	39326	
		OFF	2	44	8	36	43E	622472	645122	21	10	58	30	1325	39510			
188	3	1	36	ON	2	60	12	23	39E	638946	662214	21	12	23	28	1357	44608	
		OFF	2	54	37	19	43E	631954	654959	21	12	24	54	1343	44694			
191	9	1	72	ON	2	1	4	64	38W	651061	674782	21	17	5	28	1246	61528	
		OFF	3	13	59	67	34W	681544	786414	21	17	8	29	1237	61709			
192	4	0	19	ON	2	40	40	75	44W	619717	642263	21	18	24	37	1321	66277	
		OFF	2	37	43	76	51W	618544	641045	21	18	25	23	1317	66323			
196	6	1	8	ON	3	34	5	174	53E	760945	788820	22	0	39	29	1218	2369	
		OFF	3	35	49	174	18E	767545	795671	22	0	39	56	1217	2396			
197	0	1	9	ON	2	22	32	166	50E	622643	645297	22	1	54	52	13	2	6892
		OFF	2	18	55	166	24E	624668	646776	22	1	55	16	13	0	6916		
197	0	2	9	ON	2	6	25	163	16E	641245	664598	22	1	58	23	1251	7103	
		OFF	2	4	51	162	54E	644166	667629	22	1	58	46	1250	7126			
198	4	1	43	ON	2	60	26	161	37E	635798	658948	22	3	13	52	14	0	11632
		OFF	2	53	51	156	59E	628242	651109	22	3	15	34	1343	11734			
199	4	1	67	ON	2	55	51	144	51E	642799	666212	22	4	41	28	1420	16888	
		OFF	2	55	48	135	58E	629986	652918	22	4	44	6	1347	17046			
200	0	1	56	ON	2	42	19	107	2E	619017	641537	22	6	16	32	1324	22592	
		OFF	2	33	48	124	1E	616959	639402	22	6	18	40	1314	22720			
201	4	1	17	ON	2	72	18	111	24E	652184	675950	22	7	37	42	15	3	27462

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231	4	2	36	OFF	2	59	49	126	16E	648822	671638	22	7	38	25	1443	27585	
				OFF	2	52	18	89	26E	625862	648638	22	7	43	3	1348	27783	
				OFF	2	46	44	88	49E	521363	643978	22	7	44	28	1338	27868	
282	5	1	75	OFF	2	55	14	69	36E	629511	652425	22	9	11	4	1349	33864	
				OFF	2	44	42	63	34E	619849	642488	22	9	14	8	1328	33248	
283	6	1	58	ON	2	58	15	43	54E	625588	646188	22	18	41	36	1337	38496	
				OFF	2	42	44	48	32E	618686	641118	22	18	43	38	1325	38618	
284	7	1	14	ON	2	62	38	28	27E	633834	656918	22	12	7	58	14	1	43678
				OFF	2	58	29	26	44E	631289	654273	22	12	8	32	1355	43712	
284	7	2	19	ON	2	29	19	13	44E	617219	639671	22	12	15	53	1318	44153	
				OFF	2	26	16	12	51E	618453	648951	22	12	16	39	13	7	44199
284	7	3	28	ON	2	19	22	13	58E	623457	646142	22	12	18	21	13	2	44381
				OFF	2	14	52	9	49E	628445	651317	22	12	19	28	1258	44368	
286	8	1	23	ON	2	56	19	14	6W	649416	663748	22	15	4	38	1423	54278	
				OFF	2	62	45	14	4W	635655	658888	22	15	5	27	14	8	54327
286	8	2	58	ON	3	14	15	41	45W	693576	719899	22	15	24	47	1237	55487	
				OFF	3	24	57	44	35W	729131	755799	22	15	27	28	1228	55648	
211	5	1	24	ON	2	76	13	97	49W	654888	677843	22	22	26	36	1555	88796	
				OFF	2	73	8	189	1W	648123	671737	22	22	27	39	1511	88859	

PHOTOGRAPHIC SUMMARY

FWD PAN CAMERA NO	198	2.2388	SLIT	N/23A	FILTER	3484	FILM					
OPN NO	FPA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI			
114	3	8	13	34.4	ON	287	-73.3	-323.2	11.55	8.88	8.88	8.88
					OFF	287	-78.6	-328.7	11.55	8.88	8.88	8.88
115	3	8	3	7.9	ON	287	42.3	13.2	11.55	12.48	11.88	11.28
					OFF	287	43.8	13.6	11.55	12.41	11.81	11.21
119	7	1	39	143.2	ON	326	58.9	15.9	12.11	12.42	11.82	11.22
					OFF	312	56.8	18.5	12.14	12.42	11.82	11.22
119	7	2	56	148.1	ON	321	72.4	35.3	12.18	12.42	11.82	11.22
					OFF	328	78.4	68.3	12.17	12.42	11.82	11.22
128	7	1	29	76.7	ON	312	53.7	17.1	12.13	12.42	11.82	11.22
					OFF	314	58.2	19.4	12.14	12.42	11.82	11.22
128	7	2	36	95.2	ON	318	64.3	23.8	12.16	12.42	11.82	11.22
					OFF	328	69.4	29.8	12.17	12.42	11.82	11.22
121	8	8	13	34.4	ON	229	-37.8	12.8	11.56	8.88	8.88	8.88
					OFF	218	-34.9	12.3	11.57	8.88	8.88	8.88
121	8	1	72	198.4	ON	389	53.2	17.8	12.13	12.42	11.82	11.22
					OFF	318	63.8	23.5	12.16	12.42	11.82	11.22
122	3	1	56	148.1	ON	326	49.8	15.7	12.11	12.42	11.82	11.22
					OFF	314	58.3	19.6	12.15	12.42	11.82	11.22
123	5	1	15	39.7	ON	268	23.4	9.9	11.92	12.17	11.57	18.97
					OFF	272	26.1	18.4	11.94	12.23	11.63	11.83
123	5	2	48	127.8	ON	291	38.5	12.8	12.84	12.38	11.78	11.18
					OFF	382	46.5	14.7	12.89	12.42	11.82	11.22
125	7	1	53	148.2	ON	381	78.5	147.5	12.89	12.42	11.82	11.22
					OFF	298	62.8	156.9	12.83	12.42	11.82	11.22
129	3	8	19	58.3	ON	318	62.1	22.7	12.16	12.42	11.82	11.22
					OFF	319	65.8	25.3	12.17	12.42	11.82	11.22
133	6	1	45	119.8	ON	285	32.3	12.8	12.81	12.32	11.72	11.12

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135 9 1	55	145.5	OFF 296	39.8	13.5	12.36	12.39	11.79	11.19
			ON 333	71.7	35.9	12.23	12.42	11.82	11.22
135 9 2	31	82.3	OFF 332	77.5	59.4	12.23	12.42	11.82	11.22
			ON 319	75.2	133.7	12.17	12.42	11.82	11.22
136 9 1	71	187.8	OFF 313	71.3	144.8	12.14	12.42	11.82	11.22
			ON 320	48.8	16.1	12.17	12.42	11.82	11.22
137 3 1	19	52.3	OFF 329	59.6	21.3	12.22	12.42	11.82	11.22
			ON 276	19.5	9.5	11.96	12.04	11.44	10.84
137 3 2	69	162.5	OFF 282	23.8	19.4	11.99	12.16	11.56	10.96
			ON 324	52.2	17.5	12.19	12.42	11.82	11.22
138 6 1	23	66.8	OFF 331	62.4	23.5	12.22	12.42	11.82	11.22
			ON 331	61.5	22.8	12.22	12.42	11.82	11.22
138 6 2	54	142.8	OFF 332	64.7	25.8	12.23	12.42	11.82	11.22
			ON 322	77.6	119.9	12.18	12.42	11.82	11.22
139 5 1	11	29.1	OFF 313	71.6	143.8	12.14	12.42	11.82	11.22
			ON 284	23.5	19.6	12.00	12.17	11.57	10.97
139 5 2	61	161.3	OFF 237	25.5	12.9	12.02	12.22	11.62	11.02
			ON 321	49.2	16.4	12.18	12.42	11.82	11.22
145 5 1	36	95.2	OFF 329	58.6	20.9	12.21	12.42	11.82	11.22
			ON 332	61.7	23.5	12.23	12.42	11.82	11.22
150 7 1	44	116.4	OFF 333	66.8	28.8	12.23	12.42	11.82	11.22
			ON 289	59.9	157.4	12.63	12.42	11.82	11.22
151 5 1	49	129.6	OFF 277	52.6	161.5	11.97	12.42	11.82	11.22
			ON 331	58.6	21.7	12.22	12.42	11.82	11.22
151 5 2	55	145.5	OFF 333	55.5	27.8	12.23	12.42	11.82	11.22
			ON 333	71.1	36.7	12.23	12.42	11.82	11.22
152 5 1	68	179.9	OFF 332	77.0	59.4	12.22	12.42	11.82	11.22
			ON 311	38.6	14.1	12.13	12.38	11.78	11.18
153 4 1	28	52.9	OFF 324	49.3	17.2	12.19	12.42	11.82	11.22
			ON 279	18.9	10.1	11.98	12.02	11.42	10.82
153 4 2	41	128.4	OFF 265	22.5	10.9	12.01	12.14	11.54	10.94
			ON 316	43.3	15.3	12.15	12.41	11.81	11.21
153 4 3	14	37.2	OFF 322	49.6	17.3	12.18	12.42	11.82	11.22
			ON 324	51.8	18.2	12.19	12.42	11.82	11.22
154 3 1	33	219.5	OFF 326	54.0	19.2	12.20	12.42	11.82	11.22
			ON 312	38.6	14.2	12.13	12.38	11.78	11.18
155 6 1	14	37.0	OFF 324	51.3	18.0	12.19	12.42	11.82	11.22
			ON 304	34.6	13.3	12.13	12.35	11.75	11.15
155 6 2	79	209.8	OFF 327	37.0	13.8	12.12	12.37	11.77	11.17
			ON 315	42.2	15.2	12.15	12.40	11.80	11.20
158 7 1	45	119.0	OFF 326	54.7	19.7	12.20	12.42	11.82	11.22
			ON 244	29.7-193.0		11.78	12.29	11.69	11.09
160 3 0	17	45.0	OFF 235	29.6-191.9		11.73	12.08	11.48	10.88
			ON 329	57.9	21.9	12.21	12.42	11.82	11.22
160 3 1	26	68.8	OFF 330	60.5	23.7	12.22	12.42	11.82	11.22
			ON 329	74.5	48.1	12.22	12.42	11.82	11.22
161 3 1	24	63.5	OFF 327	76.9	61.3	12.21	12.42	11.82	11.22
			ON 292	24.1	11.6	12.03	12.19	11.59	10.99
161 3 2	40	105.8	OFF 297	28.3	12.4	12.06	12.27	11.67	11.07
			ON 330	60.7	23.9	12.22	12.42	11.82	11.22
			OFF 331	66.3	29.7	12.22	12.42	11.82	11.22

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	13	34.4	ON	303	31.4	13.2	12.69	12.31	11.71	11.11
			OFF	306	33.6	13.6	12.11	12.34	11.74	11.14
166	3 2	9	23.8	ON	311	37.7	14.5	12.14	12.37	11.77
			OFF	313	39.4	14.9	12.14	12.38	11.78	11.18
167	3 1	69	182.5	ON	325	46.3	17.6	12.27	12.42	11.82
			OFF	333	58.5	22.8	12.23	12.42	11.82	11.22
167	3 2	29	76.7	ON	334	72.5	37.3	12.23	12.42	11.82
			OFF	332	73.9	47.0	12.23	12.42	11.82	11.22
168	3 1	54	142.8	ON	332	55.7	21.8	12.23	12.42	11.82
			OFF	334	63.4	26.9	12.24	12.42	11.82	11.22
169	7 1	41	166.4	ON	321	42.6	15.9	12.18	12.40	11.80
			OFF	327	49.8	18.0	12.21	12.42	11.82	11.22
169	7 2	24	63.5	ON	334	67.1	31.6	12.24	12.42	11.82
			OFF	334	73.2	37.3	12.23	12.42	11.82	11.22
170	3 1	54	142.8	ON	321	42.7	15.9	12.18	12.40	11.80
			OFF	329	53.9	18.8	12.21	12.42	11.82	11.22
171	6 1	37	236.1	ON	327	41.7	15.7	12.18	12.40	11.80
			OFF	331	54.7	20.7	12.22	12.42	11.82	11.22
172	6 1	15	39.7	ON	316	37.5	14.7	12.15	12.37	11.77
			OFF	318	39.8	15.3	12.17	12.39	11.79	11.19
172	6 2	36	95.2	ON	322	43.0	16.1	12.18	12.40	11.80
			OFF	327	48.6	17.9	12.21	12.42	11.82	11.22
174	8 1	28	74.1	ON	313	73.9	131.5	12.13	12.42	11.82
			OFF	324	74.5	141.6	12.18	12.42	11.82	11.22
178	3 8	12	31.7	ON	334	59.0	23.8	12.23	12.42	11.82
			OFF	334	60.6	25.3	12.24	12.42	11.82	11.22
183	7 1	46	121.7	ON	339	38.9	13.8	12.12	12.31	11.71
			OFF	318	38.3	15.4	12.17	12.38	11.78	11.18
183	7 2	9	23.6	ON	313	75.8	119.8	12.14	12.42	11.82
			OFF	311	75.8	124.8	12.13	12.42	11.82	11.22
184	7 1	51	134.9	ON	333	55.5	22.0	12.23	12.42	11.82
			OFF	334	62.7	27.6	12.24	12.42	11.82	11.22
185	3 1	58	132.3	ON	323	41.8	16.4	12.19	12.40	11.80
			OFF	329	49.3	19.0	12.22	12.42	11.82	11.22
186	8 1	53	211.6	ON	323	48.3	18.6	12.19	12.42	11.82
			OFF	329	59.9	25.2	12.21	12.42	11.82	11.22
187	3 1	36	95.2	ON	273	16.7	9.8	11.95	11.48	10.88
			OFF	284	17.1	11.0	12.00	11.93	11.33	10.73
187	3 2	80	211.6	ON	318	41.7	16.5	12.16	12.40	11.80
			OFF	327	53.6	21.0	12.20	12.42	11.82	11.22
188	3 1	36	95.2	ON	314	37.6	15.4	12.15	12.37	11.77
			OFF	319	43.2	17.0	12.17	12.41	11.81	11.21
191	9 1	72	190.4	ON	323	74.4	126.0	12.09	12.42	11.82
			OFF	284	65.2	148.9	12.08	12.42	11.82	11.22
192	4 0	19	52.3	ON	328	55.5	23.1	12.21	12.42	11.82
			OFF	329	59.4	25.2	12.21	12.42	11.82	11.22
196	6 1	9	23.8	ON	251	43.5	162.4	11.82	12.41	11.81
			OFF	249	41.8	162.9	11.81	12.40	11.80	11.20
197	8 1	9	23.8	ON	323	73.4	50.6	12.19	12.42	11.82
			OFF	322	74.4	55.2	12.18	12.42	11.82	11.22
197	8 2	9	23.8	ON	308	76.7	105.9	12.12	12.42	11.82

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198	4	1	45	113.7	OFF	317	76.2	112.2	12.11	12.42	11.82	11.22
					ON	315	37.2	15.7	12.15	12.37	11.77	11.17
					OFF	321	43.7	17.6	12.19	12.41	11.81	11.21
199	4	1	67	177.2	ON	319	31.3	14.6	12.12	12.31	11.71	11.11
					OFF	322	41.7	17.3	12.17	12.40	11.80	11.20
200	4	1	54	142.8	ON	323	54.3	22.6	12.21	12.42	11.82	11.22
					OFF	329	62.7	28.9	12.21	12.42	11.82	11.22
201	4	1	17	45.3	ON	299	24.1	13.2	12.08	12.19	11.59	10.99
					OFF	323	27.0	13.8	12.09	12.25	11.65	11.05
201	4	2	36	95.2	ON	323	45.1	18.2	12.19	12.41	11.81	11.21
					OFF	326	58.6	22.4	12.20	12.42	11.82	11.22
202	6	1	76	291.3	ON	327	41.2	17.0	12.17	12.39	11.79	11.19
					OFF	327	52.5	21.4	12.21	12.42	11.82	11.22
203	6	1	46	127.9	ON	325	47.1	19.0	12.19	12.42	11.82	11.22
					OFF	328	54.3	22.5	12.21	12.42	11.82	11.22
204	7	1	14	37.7	ON	316	36.6	15.9	12.15	12.36	11.76	11.16
					OFF	318	38.8	16.5	12.16	12.38	11.78	11.18
204	7	2	23	52.9	ON	327	66.5	34.1	12.21	12.42	11.82	11.22
					OFF	326	69.8	38.7	12.20	12.42	11.82	11.22
204	7	3	28	74.1	ON	321	73.9	53.9	12.18	12.42	11.82	11.22
					OFF	317	76.1	68.9	12.15	12.42	11.82	11.22
206	8	1	23	69.8	ON	329	30.6	14.7	12.12	12.30	11.70	11.10
					OFF	313	34.4	15.5	12.14	12.34	11.74	11.14
206	8	2	36	153.4	ON	275	62.4	152.9	11.96	12.42	11.82	11.22
					OFF	261	52.5	158.3	11.88	12.42	11.82	11.22
211	5	1	25	66.1	ON	292	18.6	12.5	12.03	12.01	11.41	10.81
					OFF	297	23.8	13.4	12.06	12.16	11.56	10.96

PHOTOGRAPHIC SUMMARY

AFT PAN	CAMERA	NO	191	2.1500	SLIT	W/21	FILTER	3404	FILM			
OPN	NO	FRA	FEST	ET	S-EL	S-DIR	EV	FULL	INT	PRI		
114	3	0	13	34.4	ON	279	-73.7-322.3	11.97	0.00	0.00	0.00	
					OFF	279	-71.1-328.1	11.97	0.00	0.00	0.00	
115	2	2	4	12.6	ON	279	42.2 13.6	11.97	12.73	12.13	11.53	
					OFF	279	43.7 14.0	11.97	12.74	12.14	11.54	
119	7	1	39	103.2	ON	412	52.8 16.1	12.54	12.75	12.15	11.55	
					OFF	420	56.7 18.6	12.57	12.75	12.15	11.55	
119	7	2	56	148.1	ON	432	72.4 35.2	12.60	12.75	12.15	11.55	
					OFF	432	78.4 68.0	12.60	12.75	12.15	11.55	
120	7	1	29	76.7	ON	417	53.7 17.3	12.55	12.75	12.15	11.55	
					OFF	422	58.1 19.4	12.57	12.75	12.15	11.55	
120	7	2	36	95.2	ON	428	64.3 23.8	12.59	12.75	12.15	11.55	
					OFF	431	69.3 29.7	12.60	12.75	12.15	11.55	
121	8	0	12	31.7	ON	281	-38.2 13.0	11.99	0.00	0.00	0.00	
					OFF	283	-35.3 12.5	12.00	0.00	0.00	0.00	
121	8	1	72	196.4	ON	416	53.1 17.1	12.55	12.75	12.15	11.55	
					OFF	427	63.8 23.5	12.59	12.75	12.15	11.55	
122	3	1	56	148.1	ON	412	49.7 15.9	12.54	12.75	12.15	11.55	
					OFF	423	58.3 19.6	12.57	12.75	12.15	11.55	
123	5	1	15	39.7	ON	360	23.2 12.3	12.34	12.50	11.90	11.30	

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123 5 2	49	129.6	OFF 366	25.9	12.2	12.37	12.56	11.96	11.36
			ON 392	39.4	13.3	12.47	12.71	12.11	11.51
			OFF 426	46.4	15.8	12.52	12.75	12.15	11.55
126 7 1	53	146.2	ON 425	79.6	147.4	12.51	12.75	12.15	11.55
			OFF 397	62.9	156.9	12.46	12.75	12.15	11.55
129 3 0	19	52.3	ON 427	62.1	22.7	12.59	12.75	12.15	11.55
			OFF 429	64.9	25.2	12.68	12.75	12.15	11.55
133 6 1	45	119.2	ON 393	32.2	12.9	12.43	12.65	12.05	11.45
			OFF 398	39.7	14.8	12.49	12.72	12.12	11.52
135 9 1	55	145.5	ON 442	71.7	35.8	12.64	12.75	12.15	11.55
			OFF 439	77.6	59.1	12.63	12.75	12.15	11.55
135 9 2	31	82.8	ON 422	75.3	133.5	12.57	12.75	12.15	11.55
			OFF 414	71.5	144.7	12.55	12.75	12.15	11.55
136 9 1	72	192.4	ON 424	48.7	16.3	12.58	12.75	12.15	11.55
			OFF 436	59.5	21.4	12.62	12.75	12.15	11.55
137 3 1	19	52.3	ON 366	19.4	13.8	12.37	12.37	11.77	11.17
			OFF 373	22.8	12.7	12.48	12.48	11.88	11.28
137 3 2	59	122.5	ON 429	52.2	17.6	12.68	12.75	12.15	11.55
			OFF 439	62.4	23.6	12.63	12.75	12.15	11.55
138 6 1	23	68.8	ON 432	61.4	22.8	12.63	12.75	12.15	11.55
			OFF 449	64.7	25.7	12.63	12.75	12.15	11.55
138 6 2	53	142.2	ON 427	77.7	119.7	12.59	12.75	12.15	11.55
			OFF 414	71.8	143.7	12.55	12.75	12.15	11.55
139 5 1	11	29.1	ON 376	23.4	12.8	12.41	12.58	11.98	11.38
			OFF 379	25.3	12.8	12.42	12.55	11.95	11.35
139 5 2	61	161.3	ON 425	49.1	16.6	12.58	12.75	12.15	11.55
			OFF 435	58.5	28.9	12.62	12.75	12.15	11.55
145 5 1	36	95.2	ON 439	61.6	23.5	12.63	12.75	12.15	11.55
			OFF 441	66.7	28.7	12.64	12.75	12.15	11.55
150 7 1	42	111.1	ON 363	69.1	157.3	12.43	12.75	12.15	11.55
			OFF 366	52.8	161.4	12.37	12.75	12.15	11.55
151 5 1	49	129.6	ON 432	58.5	21.7	12.63	12.75	12.15	11.55
			OFF 441	65.5	27.8	12.64	12.75	12.15	11.55
151 5 2	55	145.5	ON 441	71.1	36.6	12.64	12.75	12.15	11.55
			OFF 438	77.3	59.1	12.62	12.75	12.15	11.55
152 5 1	69	132.5	ON 412	39.5	14.6	12.54	12.71	12.11	11.51
			OFF 429	49.3	17.4	12.68	12.75	12.15	11.55
153 4 1	28	52.9	ON 369	18.8	13.5	12.38	12.34	11.74	11.14
			OFF 377	22.3	13.3	12.41	12.47	11.87	11.27
153 4 2	48	125.8	ON 418	43.2	15.6	12.56	12.74	12.14	11.54
			OFF 426	49.6	17.5	12.59	12.75	12.15	11.55
153 4 3	14	37.8	ON 429	51.7	18.4	12.68	12.75	12.15	11.55
			OFF 431	54.8	19.3	12.68	12.75	12.15	11.55
154 3 1	82	216.9	ON 418	38.5	14.7	12.53	12.71	12.11	11.51
			OFF 428	51.2	18.2	12.59	12.75	12.15	11.55
155 6 1	14	37.2	ON 423	34.5	14.1	12.51	12.67	12.07	11.47
			OFF 427	36.8	14.4	12.52	12.78	12.18	11.58
155 6 2	78	286.3	ON 417	42.7	15.6	12.56	12.73	12.13	11.53
			OFF 432	54.7	19.8	12.61	12.75	12.15	11.55
158 7 1	44	116.4	ON 323	32.8-193.3		12.19	12.63	12.03	11.43
			OFF 318	21.8-192.4		12.13	12.43	11.83	11.23

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	17	45.7	ON 435	57.9	21.9	12.62	12.75	12.15	11.55
			OFF 437	63.4	23.7	12.62	12.75	12.15	11.55
160	3 1	25	ON 436	74.3	47.9	12.62	12.75	12.15	11.55
			OFF 433	75.9	61.8	12.61	12.75	12.15	11.55
161	3 1	24	ON 394	24.8	13.5	12.44	12.52	11.92	11.32
			OFF 392	28.2	13.6	12.47	12.68	12.88	11.48
161	3 2	42	ON 437	62.6	23.9	12.62	12.75	12.15	11.55
			OFF 439	66.3	29.6	12.63	12.75	12.15	11.55
166	3 1	13	ON 433	31.3	14.1	12.58	12.64	12.84	11.44
			OFF 434	33.5	14.4	12.51	12.67	12.87	11.47
166	3 2	9	ON 412	37.6	15.8	12.54	12.78	12.18	11.58
			OFF 414	39.3	15.3	12.55	12.71	12.11	11.51
167	3 1	69	ON 433	48.3	17.8	12.61	12.75	12.15	11.55
			OFF 442	58.5	22.8	12.64	12.75	12.15	11.55
167	3 2	29	ON 443	79.5	37.2	12.64	12.75	12.15	11.55
			OFF 441	73.9	46.8	12.64	12.75	12.15	11.55
168	3 1	54	ON 440	55.6	21.1	12.63	12.75	12.15	11.55
			OFF 444	63.3	26.9	12.65	12.75	12.15	11.55
169	7 1	41	ON 426	42.7	16.2	12.59	12.73	12.13	11.53
			OFF 434	49.3	18.2	12.61	12.75	12.15	11.55
169	7 2	24	ON 444	67.1	31.5	12.65	12.75	12.15	11.55
			OFF 443	72.2	36.8	12.64	12.75	12.15	11.55
170	3 1	54	ON 427	42.6	16.3	12.59	12.73	12.13	11.53
			OFF 437	56.9	18.9	12.62	12.75	12.15	11.55
171	6 1	36	ON 425	41.6	16.1	12.58	12.73	12.13	11.53
			OFF 440	54.7	20.8	12.63	12.75	12.15	11.55
172	6 1	14	ON 419	37.4	15.2	12.56	12.70	12.18	11.58
			OFF 423	39.7	15.7	12.57	12.72	12.12	11.52
172	6 2	36	ON 428	42.9	16.4	12.59	12.73	12.13	11.53
			OFF 434	48.5	18.1	12.61	12.75	12.15	11.55
174	8 1	27	ON 411	74.1	131.3	12.54	12.75	12.15	11.55
			OFF 453	78.6	141.5	12.51	12.75	12.15	11.55
178	3 5	12	ON 443	58.9	23.9	12.64	12.75	12.15	11.55
			OFF 444	60.7	25.3	12.65	12.75	12.15	11.55
183	7 1	46	ON 418	36.8	14.7	12.53	12.63	12.83	11.43
			OFF 423	38.2	15.8	12.58	12.71	12.11	11.51
183	7 2	9	ON 415	75.9	119.6	12.55	12.75	12.15	11.55
			OFF 413	75.1	124.6	12.54	12.75	12.15	11.55
184	7 1	51	ON 442	55.5	22.1	12.64	12.75	12.15	11.55
			OFF 444	62.7	27.6	12.65	12.75	12.15	11.55
185	3 1	58	ON 429	41.7	16.7	12.60	12.73	12.13	11.53
			OFF 437	49.3	19.1	12.62	12.75	12.15	11.55
186	8 1	58	ON 428	48.2	18.8	12.59	12.75	12.15	11.55
			OFF 435	59.9	25.2	12.62	12.75	12.15	11.55
187	3 1	36	ON 362	18.6	15.3	12.35	11.79	11.19	10.59
			OFF 375	17.8	14.7	12.48	12.26	11.66	11.86
187	3 2	79	ON 421	41.6	16.8	12.57	12.73	12.13	11.53
			OFF 433	53.5	21.2	12.61	12.75	12.15	11.55
188	3 1	36	ON 415	37.5	15.9	12.55	12.70	12.18	11.58
			OFF 423	43.2	17.3	12.58	12.74	12.14	11.54
191	9 1	72	ON 461	74.5	125.8	12.58	12.75	12.15	11.55

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192 4 6	19	58.3	OFF 377	65.3	148.8	12.41	12.75	12.15	11.55
			ON 435	56.5	23.2	12.62	12.75	12.15	11.55
			OFF 435	59.4	25.3	12.62	12.75	12.15	11.55
196 6 1	6	21.2	ON 332	43.8	162.3	12.23	12.74	12.14	11.54
			OFF 332	42.1	152.8	12.22	12.73	12.13	11.53
197 8 1	9	23.8	ON 428	73.4	52.4	12.59	12.75	12.15	11.55
			OFF 428	74.4	54.9	12.59	12.75	12.15	11.55
197 8 2	9	23.8	ON 429	76.8	125.6	12.53	12.75	12.15	11.55
			OFF 426	76.3	112.8	12.52	12.75	12.15	11.55
198 4 1	43	113.7	ON 417	36.9	16.3	12.56	12.72	12.12	11.52
			OFF 426	43.6	17.9	12.59	12.74	12.14	11.54
199 4 1	67	177.2	ON 429	31.5	15.4	12.53	12.64	12.04	11.44
			OFF 424	41.6	17.4	12.58	12.73	12.13	11.53
200 4 1	56	148.1	ON 435	54.6	22.7	12.62	12.75	12.15	11.55
			OFF 435	62.7	28.9	12.62	12.75	12.15	11.55
201 4 1	17	45.8	ON 396	24.5	14.9	12.48	12.51	11.91	11.31
			OFF 421	26.9	15.3	12.58	12.58	11.98	11.38
201 4 2	36	95.2	ON 426	45.1	18.5	12.59	12.74	12.14	11.54
			OFF 432	52.5	22.5	12.61	12.75	12.15	11.55
202 6 1	75	231.7	ON 424	41.1	17.4	12.58	12.72	12.12	11.52
			OFF 434	52.4	21.5	12.61	12.75	12.15	11.55
203 6 1	56	132.3	ON 432	47.8	19.2	12.62	12.75	12.15	11.55
			OFF 435	54.3	22.6	12.61	12.75	12.15	11.55
204 7 1	14	37.8	ON 413	36.6	16.4	12.56	12.69	12.09	11.49
			OFF 421	38.8	16.9	12.57	12.71	12.11	11.51
204 7 2	19	58.3	ON 434	66.4	34.1	12.61	12.75	12.15	11.55
			OFF 432	58.9	38.6	12.61	12.75	12.15	11.55
204 7 3	28	74.1	ON 426	73.9	53.6	12.59	12.75	12.15	11.55
			OFF 423	76.1	68.6	12.57	12.75	12.15	11.55
206 8 1	23	68.8	ON 429	38.5	15.6	12.53	12.63	12.03	11.43
			OFF 415	34.3	16.1	12.55	12.67	12.07	11.47
206 8 2	53	153.4	ON 364	62.6	152.8	12.36	12.75	12.15	11.55
			OFF 345	52.7	158.2	12.28	12.75	12.15	11.55
211 5 1	24	63.5	ON 385	13.7	15.3	12.44	12.34	11.74	11.14
			OFF 393	22.9	15.2	12.47	12.49	11.89	11.29

STELLAR-INDEX SUMMARY

CAMERA DATA ET FILM FILTER GRID ASSEMBLY NO D88
 STELLAR 1.0 4401 NONE 108
 INDEX 17500 4400 W/21 106

PERFORMANCE SUMMARY

OPN NO	FR	STEL FEET	INDX FEET	H	M	S	Q	ON LAT	ON LONG	Q	OFF LAT	OFF LONG	SEC DUR
114 3 0	2	3.28	3.40	21	57	35	1	1	39E	1	4	38E	48
119 7 1	6	3.59	1.19	5	55	32	2	49	112E	2	43	109E	91
119 7 2	8	3.79	1.58	6	1	17	2	26	103E	2	17	101E	127
120 7 1	4	3.46	3.79	7	25	30	2	46	88E	2	41	86E	69
120 7 2	6	3.59	1.19	7	28	15	2	35	84E	2	29	82E	83
121 8 0	2	3.28	3.40	8	31	39	1	38	127W	1	41	128W	45
121 8 1	10	3.99	1.98	8	54	34	2	46	66E	2	35	62E	166

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123	5	1	2	7.69	1.78	10	22	55	2	56	45E	2	41	41E	132
123	5	2	7	8.20	1.46	11	45	29	2	74	52E	2	72	46E	40
123	5	2	7	3.60	1.39	11	49	17	2	51	30E	2	53	25E	121
126	7	1	3	2.79	1.58	15	33	22	3	4	59W	3	13	61W	128
129	3	0	3	2.32	2.59	22	58	35	2	37	115W	2	34	116W	46
133	6	1	7	2.69	1.39	2	39	45	2	66	173E	2	59	166E	113
135	9	1	8	2.79	1.58	5	48	25	2	26	107E	2	17	105E	126
135	9	2	5	2.58	2.99	5	54	36	2	1	101E	3	3	99E	75
136	9	1	12	2.99	1.98	7	11	29	2	58	94E	2	39	89E	167
137	3	1	3	2.30	2.59	8	33	18	2	77	111E	2	74	101E	52
137	3	2	12	2.99	1.98	9	41	35	2	47	72E	2	36	66E	160
138	6	1	4	2.40	2.79	10	13	8	2	37	44E	2	34	43E	53
138	6	2	8	2.79	1.58	12	21	9	2	5	35E	3	3	33E	128
139	5	1	2	2.20	2.40	11	32	40	2	74	55E	2	72	50E	29
139	5	2	9	2.89	1.78	11	39	9	2	50	27E	2	40	23E	144
145	5	1	5	2.50	2.99	20	37	26	2	37	111W	2	31	113W	83
150	7	1	7	2.69	1.39	4	16	32	3	16	122E	3	24	120E	115
151	5	1	7	2.69	1.39	5	31	35	2	40	115E	2	32	113E	113
151	5	2	8	2.79	1.58	5	35	4	2	26	111E	2	17	109E	126
152	5	1	10	2.99	1.98	6	55	37	2	60	104E	2	49	97E	164
153	4	1	3	2.30	2.59	8	19	50	2	77	116E	2	74	105E	54
153	4	2	6	2.59	1.19	8	25	58	2	55	70E	2	49	75E	97
153	4	3	3	2.30	2.59	8	28	8	2	47	74E	2	44	73E	34
154	3	1	12	1.19	2.38	9	53	56	2	60	59E	2	47	52E	194
155	6	1	2	2.20	2.40	11	22	4	2	63	41E	2	61	38E	35
155	6	2	12	1.19	2.38	11	24	8	2	55	34E	2	43	28E	103
158	7	1	5	2.59	1.19	16	17	27	3	47	65W	3	56	70W	138
160	3	0	3	2.30	2.59	13	53	44	2	40	84V	2	37	85W	40
160	3	1	4	2.40	2.79	18	58	32	2	21	90W	2	17	91W	60
161	3	1	4	2.40	2.79	20	14	15	2	73	77W	2	69	84W	63
161	3	2	6	2.59	1.19	20	23	35	2	37	107W	2	31	109W	93
166	3	1	2	2.20	2.40	3	41	41	2	66	159E	2	64	157E	34
166	3	2	2	2.20	2.40	3	43	18	2	60	153E	2	59	152E	25
167	3	1	12	2.99	1.98	5	15	6	2	50	124E	2	39	119E	159
167	3	2	4	2.40	2.79	5	21	6	2	26	115E	2	21	114E	67
168	3	1	8	2.79	1.58	6	46	7	2	42	98E	2	34	95E	123
169	7	1	6	2.59	1.19	8	11	55	2	55	82E	2	49	79E	96
169	7	2	4	2.40	2.79	8	18	20	2	30	72E	2	26	71E	55
170	3	1	8	2.79	1.58	9	41	1	2	55	60E	2	47	56E	126
171	6	1	13	1.29	2.57	11	9	51	2	56	39E	2	43	32E	201
172	8	1	2	2.20	2.40	12	37	54	2	60	19E	2	58	18E	36
172	6	2	6	2.59	1.19	12	39	18	2	55	15E	2	49	12E	85
174	8	1	4	2.40	2.79	15	51	19	2	0	46W	3	4	48W	69
178	3	0	2	2.20	2.40	21	38	1	2	38	125W	2	36	125W	29
183	7	1	7	2.69	1.39	4	56	13	2	66	141E	2	59	134E	112
183	7	2	1	2.10	2.20	5	12	12	2	3	113E	2	1	113E	23
184	7	1	8	2.79	1.58	6	31	36	2	42	102E	2	34	99E	116
185	3	1	7	2.69	1.39	7	57	7	2	56	87E	2	48	83E	116
186	8	1	12	1.19	2.38	9	27	52	2	49	61E	2	37	56E	183
187	3	1	5	2.50	2.99	10	47	26	2	79	116E	2	77	83E	96
187	3	2	12	1.19	2.38	10	55	14	2	56	42E	2	44	36E	184

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191	9	1	18	8.59	1.19	12	23	16	2	68	23E	2	54	19E	86
192	4	8	3	8.99	1.98	17	5	16	2	8	64W	3	11	67W	181
196	6	1	2	8.38	8.59	18	24	25	2	48	75W	2	37	76W	46
197	8	1	1	8.28	8.48	7	39	17	3	34	174E	3	36	174E	27
197	8	2	2	8.18	8.28	1	54	46	2	26	166E	2	18	166E	24
197	8	2	2	2.28	8.48	1	58	11	2	6	163E	2	4	162E	23
198	4	1	6	8.59	1.19	3	13	48	2	58	161E	2	53	157E	182
199	4	1	12	2.99	1.98	4	41	16	2	55	144E	2	55	135E	158
200	4	1	8	8.79	1.58	6	16	26	2	42	127E	2	33	184E	128
201	4	1	3	8.38	8.59	7	37	32	2	72	111E	2	69	186E	43
201	4	2	5	8.59	8.99	7	42	51	2	52	89E	2	46	86E	85
202	6	1	11	1.89	2.18	9	18	52	2	56	69E	2	44	63E	176
203	6	1	8	8.79	1.58	12	41	24	2	58	43E	2	42	48E	114
204	7	1	2	8.28	8.48	12	7	46	2	68	28E	2	58	26E	34
204	7	2	3	8.38	8.59	12	15	41	2	29	13E	2	26	12E	46
204	7	3	4	8.48	8.79	12	18	9	2	19	11E	2	14	9E	67
206	8	1	4	8.48	8.79	15	4	18	2	66	18W	2	62	14W	57
206	8	2	8	8.79	1.58	15	24	35	3	14	41W	3	25	44W	161
211	5	1	4	8.48	8.79	22	26	24	2	76	98W	2	72	189W	63

NOTE - ONLY THE LAST FIVE FRAMES OF OPERATION 114-3-8 ARE CONTAINED IN THE B MISSION RECOVERY CAPSULE.

NOTE - OPERATION 115-8-8 IS THE CUT AND WRAP OPERATION WHICH OCCURS AT THE TIME OF A MISSION RECOVERY.

NOTE - OPERATION 211-5-1 DID NOT COVER THE PROGRAMMED LATITUDES DUE TO THE NECESSITY OF BIASING THE TIMER PRIOR TO THE B MISSION RECOVERY.

NOTE - TLM DATA INDICATE NORMAL SYSTEM PERFORMANCE.

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C. PERFORMANCE ESTIMATE PART TWO

RATE ESTIMATE

FWD PAN CAMERA NUMBER 190

OPN NO	FR	R	A	TUR/	INST	INST	SCAN RATE	PCT RATE
				DUR	CPS	ANG VEL	R/SEC I/SEC	CALIB REQD
114	3	0	13	5	6 ON	2.2757	2.22326 1.732 41.57	-7.2 -7.4
					OFF	48 2.2757	2.22326 1.732 41.57	-7.2 -8.1
115	0	0	3	5	6 ON	2.2757	2.22326 1.732 41.57	-7.2 -51.5
					OFF	23 2.2757	2.22326 1.732 41.57	-7.2 -52.3
119	7	1	39	5	6 ON	1522 2.4678	2.23434 2.557 61.37	-7.2 -5.6
					OFF	91 2.4147	2.23499 2.605 62.53	-7.2 -5.3
119	7	2	56	5	6 ON	1867 2.4259	2.23594 2.676 64.22	-7.2 -5.1
					OFF	127 2.4249	2.23585 2.670 64.07	-7.2 -5.4
120	7	1	29	5	6 ON	1572 2.4114	2.23471 2.585 62.84	-7.2 -5.3
					OFF	69 2.4165	2.23515 2.617 62.81	-7.2 -5.2
120	7	2	36	5	6 ON	1735 2.4223	2.23563 2.653 63.68	-7.2 -5.0
					OFF	83 2.4251	2.23587 2.671 64.10	-7.2 -5.0
121	8	0	13	5	6 ON	139 2.2785	2.2352 1.759 41.99	-7.2 -17.0
					OFF	45 2.2798	2.2361 1.758 42.20	-7.2 -17.3
121	8	1	72	5	6 ON	1564 2.4109	2.23467 2.582 61.96	-7.2 -5.4
					OFF	166 2.4219	2.23560 2.651 63.63	-7.2 -5.0
122	3	1	56	5	6 ON	1516 2.4264	2.23429 2.553 61.28	-7.2 -5.6
					OFF	132 2.4171	2.23522 2.621 62.92	-7.2 -5.1
123	5	1	15	5	6 ON	1120 2.3559	2.23203 2.236 53.67	-7.2 -12.6
					OFF	42 2.3613	2.23248 2.272 54.48	-7.2 -12.0
123	5	2	48	5	6 ON	1347 2.3873	2.23268 2.433 58.40	-7.2 -7.1
					OFF	121 2.4011	2.23385 2.522 60.49	-7.2 -6.0
126	7	1	53	5	6 ON	2344 2.4001	2.23376 2.514 60.33	-7.2 -6.6
					OFF	128 2.3851	2.23249 2.419 58.27	-7.2 -7.2
129	3	0	19	5	6 ON	1727 2.4219	2.23560 2.651 63.63	-7.2 -5.0
					OFF	46 2.4237	2.23575 2.662 63.89	-7.2 -5.0
133	6	1	45	5	6 ON	1282 2.3787	2.23196 2.380 57.11	-7.2 -8.2
					OFF	113 2.3928	2.23314 2.468 59.23	-7.2 -6.9
135	9	1	55	5	6 ON	1906 2.4429	2.23737 2.783 66.79	-3.5 -1.2
					OFF	126 2.4405	2.23717 2.768 66.42	-3.5 -1.5
135	9	2	31	5	6 ON	2276 2.4232	2.23572 2.659 63.81	-3.5 -2.5
					OFF	75 2.4154	2.23565 2.612 62.65	-3.5 -2.7
136	9	1	71	5	6 ON	1541 2.4250	2.23586 2.670 64.22	-3.5 -1.6
					OFF	167 2.4375	2.23691 2.749 65.97	-3.5 -1.1
137	3	1	19	5	6 ON	1120 2.3670	2.23097 2.306 55.34	-3.5 -7.4
					OFF	52 2.3744	2.23159 2.352 56.46	-3.5 -6.5
137	3	2	69	5	6 ON	1595 2.4298	2.23627 2.701 64.81	-3.5 -1.4
					OFF	162 2.4392	2.23711 2.763 66.31	-3.5 -1.1
138	6	1	23	5	6 ON	1743 2.4394	2.23707 2.761 66.25	-3.5 -1.1
					OFF	53 2.4412	2.23723 2.772 66.54	-3.5 -1.1
139	6	2	54	5	6 ON	2224 2.4281	2.23612 2.690 64.55	-3.5 -2.4
					OFF	128 2.4154	2.23505 2.612 62.63	-3.5 -2.8

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	11	5	6	ON	1166	2.3769	2.23130	2.368	56.83	-3.5	-6.2
			OFF		29	2.3827	2.23212	2.392	57.41	-3.5	-5.8
139	5	2	61	5	6	ON	1555	2.4262	2.23597	2.678	64.28
			OFF		144	2.4372	2.23697	2.746	65.89	-3.5	-1.2
145	5	1	35	5	6	ON	1771	2.4425	2.23717	2.768	66.43
			OFF		53	2.4426	2.23734	2.781	66.74	-3.5	-1.1
150	7	1	44	5	6	ON	2582	2.3845	2.23244	2.416	57.98
			OFF		115	2.3673	2.23193	2.311	55.46	-3.5	-5.3
151	5	1	49	5	6	ON	1739	2.4392	2.23726	2.768	66.23
			OFF		115	2.4425	2.23734	2.781	66.73	-3.5	-0.9
151	5	2	55	5	6	ON	1949	2.4426	2.23734	2.781	66.74
			OFF		126	2.4387	2.23721	2.756	66.15	-3.5	-1.6
152	5	1	68	5	6	ON	1435	2.4136	2.23496	2.599	62.37
			OFF		164	2.4299	2.23627	2.721	64.83	-3.5	-1.2
153	4	1	28	5	6	ON	1142	2.3712	2.23136	2.331	55.94
			OFF		54	2.3784	2.23193	2.378	57.87	-4.1	-7.6
153	4	2	41	5	6	ON	1516	2.4193	2.23538	2.634	63.22
			OFF		97	2.4279	2.23610	2.688	64.52	-4.1	-2.4
153	4	3	14	5	6	ON	1642	2.4327	2.23634	2.786	64.94
			OFF		34	2.4328	2.23652	2.719	65.26	-4.1	-1.7
154	3	1	83	5	6	ON	1446	2.4116	2.23473	2.586	62.27
			OFF		194	2.4299	2.23628	2.781	64.83	-4.1	-1.6
155	6	1	14	5	6	ON	1381	2.4245	2.23413	2.541	60.99
			OFF		35	2.4284	2.23446	2.566	61.59	-4.1	-3.8
155	6	2	79	5	6	ON	1525	2.4188	2.23534	2.631	63.15
			OFF		183	2.4336	2.23659	2.725	65.39	-4.1	-2.5
158	7	1	45	5	6	ON	3268	2.3244	2.22738	2.239	48.93
			OFF		138	2.3122	2.22633	1.961	47.25	-4.1	-5.1
162	3	2	17	5	6	ON	1754	2.4371	2.23688	2.747	65.92
			OFF		42	2.4385	2.23722	2.755	66.12	-4.1	-4.4
162	3	1	26	5	6	ON	2242	2.4373	2.23692	2.748	65.94
			OFF		62	2.4345	2.23666	2.732	65.52	-4.1	-1.7
161	3	1	24	5	6	ON	1241	2.3856	2.23253	2.423	58.14
			OFF		63	2.3939	2.23324	2.475	59.42	-4.1	-2.3
161	3	2	42	5	6	ON	1821	2.4368	2.23722	2.757	66.17
			OFF		93	2.4422	2.23714	2.766	66.38	-4.1	-2.6
166	3	1	13	5	6	ON	1363	2.4221	2.23393	2.527	62.64
			OFF		34	2.4262	2.23426	2.551	61.22	-4.1	-1.7
166	3	2	3	5	6	ON	1459	2.4138	2.23491	2.622	62.42
			OFF		25	2.4162	2.23512	2.615	62.76	-4.1	-3.2
167	3	1	69	5	6	ON	1623	2.4334	2.23657	2.723	65.35
			OFF		159	2.4422	2.23731	2.778	66.68	-3.2	-1.8
167	3	2	29	5	6	ON	1983	2.4432	2.23742	2.785	66.84
			OFF		67	2.4411	2.23722	2.772	66.52	-3.2	-0.7
158	3	1	54	5	6	ON	1741	2.4426	2.23718	2.768	66.44
			OFF		123	2.4442	2.23747	2.799	66.96	-3.2	-1.4
169	7	1	41	5	6	ON	1545	2.4266	2.23522	2.681	64.34
			OFF		96	2.4345	2.23666	2.732	65.52	-3.2	-0.8
169	7	2	24	5	6	ON	1932	2.4441	2.23747	2.791	66.97
			OFF		55	2.4433	2.23742	2.785	66.84	-3.2	-1.1
173	3	1	54	5	6	ON	1548	2.4269	2.23622	2.682	64.37

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