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CORONA J FLIGHT
DATA BOOK 1038-2

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In Accordance with E. O. 12958

on NOV 26 1997

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4 PAGES
(NOT INCLUDING PEST)

CORONA J-FLIGHT DATA BOOK

SYSTEM NO. J-34

VEHICLE NO. 1629

MISSION NO. 1038-2

CAMERA NOS. 192/193

DATE 01-26-67

PAGE 1

~~SECRET~~

SYSTEM NO. J-34
VEHICLE NO. 1629
MISSION NO. 1038-2
CAMERA NOS. 192/193

TABLE OF CONTENTS

PAGE NO.

GENERAL FLIGHT DATA	3
CYCLE PERIOD DATA	4
PERFORMANCE ESTIMATE	5- UP

~~SECRET~~

SYSTEM NO. J-34
VEHICLE NO. 1629
MISSION NO. 1038-2
CAMERA NOS. 192/193

GENERAL FLIGHT DATA

MASTER CAMERA SERIAL NO. 192

SLAVE CAMERA SERIAL NO. 193

S/I -1 SERIAL NO. D93/86/112

S/I -2 SERIAL NO. D98/111/188

LAUNCH DATE 01-14-67

REACTIVATION DATE N/A

REACTIVATION ORBIT N/A

ORBITAL PARAMETERS (REV. 120)

PERIOD 89.919 MIN ECCENTRICITY 0.01471

PERIGEE 96.505 NM PERIGEE LAT. 46.518

APOGEE 204.100 NM INCL. ANGLE 88.874

RECOVERY ORBIT NO. 193

RECOVERY DATE 01-25-67

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SYSTEM NO. J-34
VEHICLE NO. 1629
MISSION NO. 1038-2
CAMERA NOS. 192/193

CYCLE PERIOD DATA

V/F RAMP SETTING LEVEL	AMPLITUDE	TIME UP RAMP-SEC	---CALIBRATED---		---IN-FLIGHT---		OF CYCLE PERIOD-SEC N
			MASTER	SLAVE	MASTER	SLAVE	
7	3	1196	2.212	2.212	2.248	2.258	
6	4	1938	2.212	2.212	2.235	2.235	
6	4	1994	2.213	2.212	2.248	2.268	1
6	4	1989	2.213	2.212	2.217	2.223	1
6	4	588	3.548	3.519	3.568	3.548	1

NOTE

AN * OR -B INDICATES NO DATA AVAILABLE.

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A. 1038-2

B. DRY

C. PERFORMANCE ESTIMATE - PART ONE



OPERATIONS SUMMARY

FWD PAN CAMERA NUMBER 192

OPN NO	FRA	3	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM
71	6-2	75 ON	2 59 43	60 18E	651120	674864	19	8	2	30	12 3	28950
		OFF	2 48 23	65 42E	617616	640096	19	8	5	24	1228	29124
72	0 2	4 ON	1 25 21	114 18W	1071904	1111776	19	9	9	20	132	32960
		OFF	1 26 45	114 6W	1065616	1105248	19	9	9	43	133	32983
72	6 3	10 ON	1 38 55	111 49W	1008960	1046384	19	9	12	52	145	33172
		OFF	1 41 51	111 7W	994864	1031728	19	9	13	38	149	33218
72	9 7	22 ON	2 32 16	47 0E	592464	614016	19	9	39	27	1247	34767
		OFF	2 28 46	47 37E	590928	612400	19	9	40	19	1250	34819
73	9 2	78 ON	2 51 2	19 22E	623440	646144	19	11	4	47	1222	39887
		OFF	2 39 16	22 54E	599536	621344	19	11	7	44	1239	40064
73	9 4	50 ON	2 13 22	27 0E	602528	624448	19	11	14	9	13 2	40449
		OFF	2 5 33	28 4E	619632	642192	19	11	16	4	13 8	40564
74	1 7	37 ON	2 0 37	5 3E	612448	634736	19	12	45	20	13 5	45920
		OFF	2 2 52	5 43E	627904	650768	19	12	46	46	13 9	46006
79	9 3	13 ON	2 37 23	112 37W	596256	617936	19	20	8	19	1237	72499
		OFF	2 35 22	112 11W	594336	615952	19	20	8	49	1240	72529
81	0 0	4 ON	2 56 50	165 47W	642144	665552	19	23	2	49	1159	82969
		OFF	2 57 32	164 55W	637584	660816	19	23	3	13	12 3	82993
84	9 3	26 ON	2 53 12	129 15E	623632	646336	20	3	34	24	1211	12864
		OFF	2 49 10	130 57E	614128	636480	20	3	35	25	1218	12925
84	9 5	26 ON	2 45 9	132 0E	606112	628160	20	3	36	25	1224	12985
		OFF	2 41 6	133 14E	599760	621568	20	3	37	26	1230	13046
85	6 4	31 ON	2 48 33	100 23E	612352	634640	20	5	5	35	1219	18335
		OFF	2 43 47	109 52E	603472	625424	20	5	6	47	1226	18407
85	6 7	32 ON	2 31 0	112 40E	591728	613248	20	5	9	57	1240	18597
		OFF	2 26 5	113 30E	592144	613680	20	5	11	10	1245	18670
86	3 3	24 ON	2 54 52	83 10E	627040	649872	20	6	33	59	12 6	23639
		OFF	2 51 6	84 40E	617568	640048	20	6	34	56	1214	23696
86	3 6	16 ON	2 41 28	87 49E	599760	621568	20	6	37	21	1220	23841
		OFF	2 38 38	88 30E	596368	618048	20	6	38	3	1232	23883
86	3 8	33 ON	2 31 8	90 0E	591760	613264	20	6	39	55	1239	23995
		OFF	2 26 4	90 50E	592288	613824	20	6	41	10	1244	24070
87	3 3	56 ON	2 53 56	60 56E	624048	646768	20	8	4	13	12 8	29053
		OFF	2 45 24	64 5E	625568	627600	20	8	6	22	1222	29182
87	3 6	29 ON	2 31 57	67 12E	591920	613440	20	8	9	43	1238	29383
		OFF	2 27 29	67 50E	591904	613424	20	8	10	49	1242	29449
88	1 1	19 ON	2 62 29	33 7E	648784	672432	20	9	32	0	1144	34320
		OFF	2 59 24	35 20E	638912	662192	20	9	32	48	1154	34368
88	1 6	40 ON	2 24 29	45 47E	593360	614944	20	9	41	34	1244	34894
		OFF	2 17 4	46 40E	601504	623376	20	9	43	24	1250	35004
89	9 2	55 ON	2 47 4	10 16E	607872	629984	20	11	5	57	1219	39957
		OFF	2 39 48	20 30E	596000	617680	20	11	8	1	1230	40081
89	9 6	36 ON	2 1 41	25 59E	640240	663568	20	11	17	11	13 1	40631



ALUILL

92	8	7	12	ON	3	4	25	26	41E	663200	687392	20	11	18	42	13	5	40722
				OFF	3	18	55	39	48W	723120	749568	20	15	51	41	1312	57101	
94	4	2	28	ON	2	16	7	88	59W	735936	762880	20	15	52	16	1314	57136	
				OFF	2	11	43	88	25W	604864	626864	20	18	43	34	1247	67414	
95	4	1	44	ON	2	36	56	114	59W	613856	636192	20	18	44	39	1250	67479	
				OFF	2	30	13	113	41W	593664	615248	20	20	8	24	1228	72504	
99	9	1	14	ON	2	59	55	145	51E	591840	613360	20	20	10	4	1235	72604	
				OFF	2	57	46	147	11E	633392	656464	21	2	2	30	1145	7350	
100	9	3	72	ON	2	53	46	126	34E	627488	650352	21	2	3	3	1151	7383	
				OFF	2	42	59	130	22E	617168	639632	21	3	34	3	12	0	12843
101	9	2	55	ON	2	51	33	104	52E	598496	620256	21	3	36	46	1218	13806	
				OFF	2	43	9	107	38E	612048	634320	21	5	4	34	12	4	18274
101	9	4	57	ON	2	34	39	109	36E	598560	620336	21	5	6	41	1217	18401	
				OFF	2	26	7	111	5E	592304	613920	21	5	8	48	1227	18520	
102	0	2	125	ON	2	56	35	79	54E	594272	615088	21	5	10	55	1235	18655	
				OFF	2	37	50	86	17E	622848	645520	21	6	33	15	1152	23595	
102	0	6	84	ON	2	31	26	87	33E	593696	615280	21	6	37	58	1223	23878	
				OFF	2	12	46	89	30E	592176	613696	21	6	39	34	1229	23974	
103	3	6	21	ON	2	47	7	61	12E	603008	625024	21	6	42	42	1240	24162	
				OFF	2	43	55	62	8E	603504	625456	21	8	5	37	1210	29137	
103	3	7	23	ON	2	42	44	62	58E	599104	620880	21	8	6	25	1214	29185	
				OFF	2	37	13	63	46E	595744	617400	21	8	7	13	1219	29233	
104	0	2	64	ON	2	59	20	33	0E	593344	614912	21	8	8	6	1223	29286	
				OFF	2	49	49	37	37E	620960	651856	21	9	32	27	1144	34347	
105	9	4	32	ON	2	14	7	22	12E	607664	629776	21	9	34	53	12	5	34493
				OFF	2	0	6	22	54E	613216	635520	21	11	13	42	1242	40422	
106	0	1	22	ON	2	35	15	3	44W	628608	651584	21	11	15	11	1246	40511	
				OFF	2	31	59	3	6W	592624	614160	21	12	30	26	1223	45506	
106	0	6	72	ON	2	15	22	0	37W	592528	614064	21	12	39	15	1226	45555	
				OFF	2	4	4	0	43E	610944	633168	21	12	43	21	1240	45801	
109	4	3	14	ON	3	10	11	64	34W	642032	665424	21	12	46	8	1249	45968	
				OFF	3	23	55	64	12W	746016	773344	21	17	21	30	13	3	62400
110	0	2	29	ON	2	44	26	127	40E	761632	789552	21	17	22	11	13	5	62531
				OFF	2	40	9	120	40E	597568	619296	22	3	35	31	12	6	12931
117	3	2	149	ON	2	39	13	100	23E	594336	615952	22	3	36	35	1211	12995	
				OFF	2	16	41	110	11E	593842	615440	22	5	6	45	1212	18405	
118	0	4	27	ON	2	50	4	82	34E	612704	635088	22	5	12	20	1233	18740	
				OFF	2	45	57	81	50E	604016	625984	22	6	33	57	1156	23637	
110	0	6	23	ON	2	41	33	80	11E	593628	620384	22	6	35	1	12	3	23701
				OFF	2	37	19	84	12E	594902	616624	22	6	36	5	12	0	23765
110	0	9	29	ON	2	37	37	05	20E	593264	614832	22	6	37	8	1213	23828	
				OFF	2	26	5	86	13E	594496	616112	22	6	38	40	1220	23920	
119	9	2	61	ON	2	50	56	53	41E	598128	619872	22	6	39	55	1224	23995	
				OFF	2	46	51	59	2E	620320	642896	22	8	1	37	1136	28897	
107	4	1	59	ON	2	61	49	29	3E	599536	621344	22	8	4	41	12	0	29001
				OFF	2	52	59	34	0E	626000	649616	22	9	30	46	1127	34246	
120	4	2	37	ON	2	37	40	30	50E	600016	630144	22	9	33	2	1149	34382	
				OFF	2	32	10	39	56E	593312	614880	22	9	36	53	1212	34613	
121	9	5	41	ON	2	13	30	20	3E	593952	615552	22	9	38	15	1218	34695	
				OFF	2	0	56	20	50E	621904	644624	22	11	12	47	1233	40367	
										641216	664592	22	11	14	24	1237	40464	



OFF
LIST

122	4	6	45	ON	2	18	35	2	13W	638448	653488	22	12	43	25	1234	45885	
				OFF	2	3	17	1	22W	654656	678528	22	12	45	13	1239	45913	
125	1	4	57	ON	3	31	38	64	42W	841888	872864	22	17	23	38	13	4	62618
				OFF	3	43	54	61	58W	923344	957448	22	17	26	45	1318	62885	
127	1	2	15	ON	2	35	27	119	6W	593696	615288	22	28	6	48	1218	72488	
				OFF	2	32	59	118	38W	594544	616168	22	28	7	25	1212	72445	
138	3	1	28	ON	2	62	23	162	19E	623888	645696	23	8	29	48	1118	1788	
				OFF	2	58	26	165	3E	614432	636784	23	8	38	42	1138	1842	
132	8	2	38	ON	2	57	37	128	17E	611872	634144	23	3	38	41	1131	12641	
				OFF	2	51	37	123	9E	682328	624248	23	3	32	13	1144	12733	
134	3	3	25	ON	2	52	4	77	43E	682256	624168	23	6	31	52	1142	23512	
				OFF	2	48	14	79	9E	597984	619648	23	6	32	58	1149	23578	
134	3	7	58	ON	2	34	53	82	36E	594288	615824	23	6	36	18	12	6	23778
				OFF	2	26	8	84	18E	682888	623984	23	6	38	22	1215	23982	
136	6	2	15	ON	2	68	1	28	18E	614496	636864	23	9	29	35	1122	34175	
				OFF	2	57	45	29	42E	618248	632448	23	9	38	18	1129	34218	
137	2	3	16	ON	2	24	49	16	28E	684784	626784	23	11	8	17	1214	48897	
				OFF	2	22	16	16	51E	689136	631296	23	11	8	55	1216	48135	
137	2	7	24	ON	3	21	57	22	15E	791824	828888	23	11	19	53	1248	48793	
				OFF	3	26	49	22	58E	821696	851984	23	11	21	6	1252	48866	
138	8	7	24	ON	2	11	18	4	19W	637152	668368	23	12	41	32	1224	45692	
				OFF	2	7	8	3	58W	658432	674144	23	12	42	32	1227	45752	
141	8	6	42	ON	3	35	59	65	52W	884368	916976	23	17	22	53	1259	62573	
				OFF	3	45	38	63	31W	947568	982688	23	17	25	19	1311	62719	
143	6	8	15	ON	2	38	38	121	46W	594784	616336	23	28	4	4	1156	72244	
				OFF	2	36	18	121	14W	595584	617152	23	28	4	41	1159	72281	
149	6	3	132	ON	2	37	18	182	58E	595344	616992	24	5	3	32	1154	18212	
				OFF	2	17	3	186	8E	626168	648968	24	5	8	31	1213	18511	
158	5	4	41	ON	2	57	53	72	57E	686816	628864	24	6	28	18	1128	23298	
				OFF	2	51	46	75	55E	598656	628432	24	6	29	43	1133	23383	
151	8	3	55	ON	2	53	53	52	24E	688432	622272	24	7	59	1	1128	28741	
				OFF	2	45	34	55	28E	594488	616896	24	8	1	7	1143	28867	
152	6	2	16	ON	2	59	29	26	45E	687472	629568	24	9	27	25	1114	34845	
				OFF	2	57	8	28	14E	683824	625776	24	9	28	3	1121	34883	
154	4	7	28	ON	2	7	54	5	48W	657448	681424	24	12	39	57	1216	45597	
				OFF	2	3	2	5	15W	676352	781848	24	12	41	9	1228	45669	
165	3	1	83	ON	2	61	41	91	17E	687376	629488	25	4	54	31	1859	17671	
				OFF	2	49	32	97	38E	595984	617664	25	4	57	37	1128	17857	
165	3	4	119	ON	2	37	11	181	4E	598288	619968	25	5	8	42	1144	18842	
				OFF	2	18	47	184	8E	629768	652784	25	5	5	15	12	1	18315
167	9	2	28	ON	2	54	58	58	9E	599888	628888	25	7	55	51	1116	28551	
				OFF	2	58	48	52	8E	596192	617872	25	7	56	56	1124	28616	
168	9	8	12	ON	1	38	41	124	43W	849848	881128	25	9	4	56	846	32696	
				OFF	1	41	38	124	8W	836784	867488	25	9	5	41	849	32741	
169	9	4	19	ON	2	4	52	15	25E	679584	784328	25	11	7	54	12	9	48874
				OFF	2	1	21	15	49E	694448	719824	25	11	8	46	1212	48126	
178	9	7	15	ON	2	8	36	7	36W	665528	689888	25	12	36	46	12	6	45486
				OFF	2	5	55	7	17W	676816	788688	25	12	37	26	12	8	45446
181	7	2	58	ON	2	26	8	181	29E	628896	642672	26	4	59	59	1145	17999	
				OFF	2	15	16	182	59E	649296	672968	26	5	2	48	1154	18168	
182	3	2	88	ON	2	56	28	78	28E	598568	628336	26	6	22	12	11	4	22932

OFF
LIST

UNIT

183	5	2	94	ON	2	44	22	75	5E	597136	618848	26	6	25	13	1125	23113
				OFF	2	48	26	65	35E	607072	629152	26	7	49	48	1035	28180
184	5	0	12	ON	1	38	47	126	16W	596336	618016	26	7	53	13	1113	28393
				OFF	1	41	40	125	34W	824416	854736	26	9	1	23	036	32483
				OFF	1	41	40	125	34W	811872	841696	26	9	2	8	039	32528

OPERATIONS SUMMARY

AFT PAN CAMERA NUMBER 193

OPN NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM						
71	6	2	75	ON	2	59	49	60	10E	648400	672032	19	8	2	42	12	3	28962
				OFF	2	48	26	65	35E	615600	638096	19	8	5	36	1227	29136	
72	0	0	4	ON	1	24	36	114	31W	1068352	1108096	19	9	9	32	131	32972	
				OFF	1	26	0	114	18W	1062048	1101552	19	9	9	55	132	32995	
72	6	0	10	ON	1	38	16	112	4W	1005184	1042464	19	9	13	4	144	33184	
				OFF	1	41	13	111	22W	991008	1027728	19	9	13	50	148	33230	
72	9	7	22	ON	2	32	17	46	57E	591968	613488	19	9	39	39	1247	34779	
				OFF	2	28	47	47	34E	590832	612320	19	9	40	31	1250	34831	
73	9	2	78	ON	2	51	7	19	17E	621328	643952	19	11	4	59	1221	39899	
				OFF	2	39	19	22	50E	598416	620176	19	11	7	56	1239	40076	
73	9	4	50	ON	2	13	23	27	4E	604000	625968	19	11	14	21	13	2	40461
				OFF	2	5	37	27	59E	621872	644512	19	11	16	16	13	8	40576
74	1	7	37	ON	2	8	41	4	59E	614384	636752	19	12	45	32	13	5	45932
				OFF	2	2	55	5	38E	630464	653424	19	12	46	58	13	9	46010
79	9	3	12	ON	2	37	25	112	40W	595440	617088	19	20	8	31	1237	72511	
				OFF	2	35	24	112	15W	593696	615280	19	20	9	1	1239	72541	
01	0	0	4	ON	2	59	4	165	54W	639632	662944	19	23	3	1	1159	82981	
				OFF	2	57	35	165	1W	635152	658288	19	23	3	25	12	3	83005
84	9	3	26	ON	2	53	15	129	10E	621600	644224	20	3	34	36	1211	12876	
				OFF	2	49	14	132	45E	612352	634640	20	3	35	37	1218	12937	
84	9	5	26	ON	2	45	12	132	3E	604720	626720	20	3	36	37	1224	12997	
				OFF	2	41	8	133	9E	598672	620448	20	3	37	38	1230	13058	
35	6	4	31	ON	2	43	37	100	18E	610672	632896	20	5	5	47	1210	18347	
				OFF	2	43	49	100	40E	602144	624048	20	5	6	59	1225	18419	
05	6	7	32	ON	2	31	2	112	37E	591568	613072	20	5	10	9	1240	18609	
				OFF	2	26	7	113	26E	592512	614048	20	5	11	22	1244	18682	
06	3	3	24	ON	2	54	57	83	4E	624896	647648	20	6	34	11	12	6	23651
				OFF	2	51	10	84	43E	615712	638128	20	6	35	8	1213	23708	
06	3	6	18	ON	2	41	30	87	45E	599600	620464	20	6	37	33	1220	23853	
				OFF	2	38	40	88	26E	595552	617200	20	6	38	15	1231	23895	
06	3	6	33	ON	2	31	10	89	57E	591632	613152	20	6	40	7	1239	24007	
				OFF	2	26	6	92	47E	592640	614176	20	6	41	22	1244	24082	
07	8	3	55	ON	2	54	0	60	52E	621004	644624	20	8	4	25	12	7	29065
				OFF	2	45	27	64	1E	604192	626160	20	8	6	34	1222	29194	
07	8	6	29	ON	2	31	58	67	9E	591744	613264	20	8	9	55	1238	29395	
				OFF	2	27	31	67	54E	592144	613664	20	8	11	1	1242	29461	
08	1	1	19	ON	2	62	35	32	59E	646192	669744	20	9	32	12	1143	34332	
				OFF	2	59	33	35	13E	636512	659696	20	9	33	0	1153	34380	
08	1	6	49	ON	2	24	31	45	43E	593952	615552	20	9	41	46	1244	34906	
				OFF	2	17	6	46	45E	502816	624736	20	9	43	36	1250	35016	
09	9	2	55	ON	2	47	7	10	12E	626368	628432	20	11	6	9	1218	39969	

CFON

CONF
SECRET

			OFF	2	38	58	28	27E	595248	616896	28	11	8	13	1229	48893
92	8	7	ON	2	1	48	25	55E	643872	666512	28	11	17	23	13	8
			OFF	3	4	16	26	36E	666648	698968	28	11	18	54	13	5
			ON	3	16	28	39	54W	727568	754192	28	15	51	53	1312	57113
			OFF	3	18	48	39	36W	748512	767616	28	15	52	28	1313	57148
94	4	2	ON	2	16	18	89	2W	686384	628448	28	18	43	46	1247	67426
			OFF	2	11	47	88	29W	615888	638224	28	18	44	51	1258	67491
95	4	1	ON	2	36	59	115	2W	593168	614736	28	28	8	36	1228	72516
			OFF	2	38	15	113	45W	591984	613584	28	28	18	16	1235	72616
99	9	1	ON	2	68	2	145	44E	631158	654168	21	2	2	42	1145	7362
			OFF	2	57	51	147	5E	625392	648176	21	2	3	15	1151	7395
100	9	3	ON	2	53	58	126	29E	615392	637792	21	3	34	15	12	8
			OFF	2	43	1	138	15E	597688	619328	21	3	36	58	1217	13818
101	9	2	ON	2	51	37	184	47E	618448	632672	21	5	4	46	12	3
			OFF	2	43	11	187	34E	597688	619328	21	5	6	53	1216	18413
101	9	4	ON	2	34	48	189	32E	592192	613728	21	5	9	8	1227	18548
			OFF	2	26	9	111	2E	594912	616544	21	5	11	7	1235	18667
102	8	2	ON	2	56	39	79	49E	628928	643536	21	6	33	27	1152	23687
			OFF	2	37	52	86	14E	593264	614832	21	6	38	18	1222	23898
102	8	6	ON	2	31	28	87	38E	592336	613872	21	6	39	46	1229	23986
			OFF	2	18	49	89	26E	604464	626448	21	6	42	54	1248	24174
103	3	6	ON	2	47	18	61	6E	682288	624192	21	8	5	49	1218	29149
			OFF	2	43	57	62	4E	598128	619888	21	8	6	37	1214	29197
103	3	7	ON	2	48	46	62	54E	595872	616728	21	8	7	25	1218	29245
			OFF	2	37	15	63	43E	592944	614496	21	8	8	18	1222	29298
104	6	2	ON	2	59	25	32	54E	626832	649664	21	9	32	39	1144	34359
			OFF	2	49	32	37	32E	616248	628288	21	9	35	5	12	5
105	9	4	ON	2	14	11	22	6E	615888	637472	21	11	13	54	1242	48434
			OFF	2	8	11	22	49E	631152	654144	21	11	15	23	1246	48523
106	8	1	ON	2	35	17	3	47W	592496	614832	21	12	38	38	1223	45518
			OFF	2	32	1	3	9W	592672	614224	21	12	39	27	1226	45567
106	8	6	ON	2	15	26	2	41W	612736	635824	21	12	43	33	1248	45813
			OFF	2	4	11	2	38E	644848	668352	21	12	46	28	1248	45988
108	4	3	ON	3	17	55	64	41W	758656	778168	21	17	21	42	13	2
			OFF	3	23	37	64	19W	766448	794544	21	17	22	23	13	4
116	3	2	ON	2	44	28	127	36E	596888	618496	22	3	35	43	12	5
			OFF	2	48	11	128	44E	593952	615552	22	3	36	47	1211	13887
117	3	2	ON	2	39	15	186	19E	593552	615136	22	5	6	57	1212	18417
			OFF	2	16	45	118	7E	614576	636944	22	5	12	32	1232	18752
118	6	4	ON	2	54	6	82	32E	632832	624768	22	6	34	9	1155	23649
			OFF	2	45	53	81	55E	597792	619536	22	6	35	13	12	2
118	6	6	ON	2	41	35	83	7E	594486	616112	22	6	36	17	12	8
			OFF	2	37	21	84	6E	593136	614784	22	6	37	28	1213	23848
118	6	8	ON	2	32	39	85	25E	594944	616576	22	6	39	8	1228	23948
			OFF	2	26	8	86	9E	599848	628832	22	6	48	7	1224	24887
119	9	2	ON	2	59	2	57	35E	618544	641856	22	8	1	49	1136	28989
			OFF	2	46	54	58	52E	598624	628488	22	8	4	53	12	8
122	4	1	ON	2	61	54	26	56E	624816	647568	22	9	38	58	1126	34258
			OFF	2	53	2	34	4E	686688	628768	22	9	33	14	1149	34394
124	4	2	ON	2	37	42	38	46E	593184	614752	22	9	37	5	1212	34625
			OFF	2	32	12	39	52E	594328	615928	22	9	38	27	1217	34787

CONF
SECRET

9 5	41 ON	2 13 35	19 59E	624144	646864	22 11 12 59	1232 40379
	OFF	2 7 3	28 45E	644888	667472	22 11 14 36	1237 40476
122 4 6	45 ON	2 10 41	2 17W	632912	655968	22 12 43 37	1234 45817
	OFF	2 3 25	1 27W	657792	681792	22 12 45 25	1239 45925
125 1 4	56 ON	3 31 13	64 50W	847152	878336	22 17 23 50	13 4 62630
	OFF	3 43 22	62 12W	928752	963872	22 17 26 57	1317 62817
127 1 2	15 ON	2 35 28	119 10W	593936	615520	22 20 7 8	1210 72420
	OFF	2 33 1	118 41W	594944	616576	22 20 7 37	1212 72457
130 3 1	26 ON	2 62 27	162 12E	621168	643792	23 0 29 52	1118 1792
	OFF	2 58 30	164 58E	612864	635168	23 0 30 54	1130 1854
132 8 2	40 ON	2 57 40	120 12E	610304	632592	23 3 30 53	1131 12653
	OFF	2 51 39	123 5E	601296	623168	23 3 32 25	1144 12745
134 3 3	25 ON	2 52 6	77 39E	601200	623072	23 6 32 4	1142 23524
	OFF	2 48 16	79 5E	597104	618896	23 6 33 2	1149 23502
134 3 7	50 ON	2 34 55	82 33E	594576	616192	23 6 36 22	12 6 23702
	OFF	2 26 3	84 6E	603280	625232	23 6 38 34	1214 23914
136 6 2	15 ON	2 60 4	28 13E	612960	635264	23 9 29 47	1122 34187
	OFF	2 57 40	29 30E	608832	630976	23 9 30 22	1128 34222
137 2 3	16 ON	2 24 52	16 25E	606128	628176	23 11 8 29	1213 40109
	OFF	2 22 19	16 47E	610688	632912	23 11 9 7	1216 40147
137 2 7	23 ON	3 21 37	22 7E	796752	826000	23 11 20 5	1248 40805
	OFF	3 25 26	22 53E	826032	857232	23 11 21 18	1252 40870
138 8 7	24 ON	2 11 16	4 23W	639744	663056	23 12 41 44	1223 45704
	OFF	2 7 16	3 55W	653376	677200	23 12 42 44	1226 45764
141 6 6	42 ON	3 35 37	60 2W	889600	922400	23 17 23 5	1258 62505
	OFF	3 44 56	63 46W	952832	988000	23 17 25 31	1310 62731
143 6 2	15 ON	2 30 42	121 50W	594912	616544	23 20 4 16	1156 72256
	OFF	2 35 12	121 10W	595920	617584	23 20 4 53	1159 72293
149 6 3	132 ON	2 37 12	102 47E	595776	617440	24 5 3 44	1154 18224
	OFF	2 17 8	106 3E	628368	651248	24 5 8 43	1212 18523
150 5 4	40 ON	2 57 56	72 53E	604864	626864	24 6 28 22	1119 23302
	OFF	2 51 49	75 52E	597952	619696	24 6 29 55	1133 23395
151 2 3	55 ON	2 53 55	52 20E	599568	621376	24 7 59 13	1128 28753
	OFF	2 45 35	55 25E	594256	615856	24 8 1 19	1142 28879
152 6 2	16 ON	2 59 32	25 41E	606240	628304	24 9 27 37	1114 34057
	OFF	2 57 2	28 10E	602752	624688	24 9 28 15	1120 34095
154 4 7	29 ON	2 2 2	5 53W	660496	684576	24 12 40 9	1216 45609
	OFF	2 3 11	5 20W	679008	704624	24 12 41 21	1219 45681
155 3 1	03 ON	2 61 44	91 12E	606240	628288	25 4 54 43	1059 17603
	OFF	2 49 34	97 34E	595600	617344	25 4 57 49	1127 17869
155 3 4	119 ON	2 37 14	101 7E	598896	620672	25 5 0 54	1144 18054
	OFF	2 19 53	104 4E	632000	655000	25 5 5 27	12 1 18327
157 9 2	20 ON	2 55 1	50 4E	590360	620128	25 7 56 3	1116 28563
	OFF	2 52 42	51 56E	595888	617552	25 7 57 8	1124 28628
158 9 2	12 ON	1 30 16	124 53W	846240	877376	25 9 5 8	045 32700
	OFF	1 41 10	124 11W	833152	863792	25 9 5 53	048 32753
159 9 4	10 ON	2 5 2	15 20E	602944	707872	25 11 8 6	12 9 40086
	OFF	2 1 33	15 43E	698144	723664	25 11 8 50	1211 40130
170 9 7	10 ON	2 0 45	7 41W	668600	693008	25 12 36 50	12 5 45410
	OFF	2 6 4	7 23W	679360	704160	25 12 37 38	12 7 45450
181 7 2	60 ON	2 25 12	101 25E	621920	644560	26 5 0 11	1145 18011

SECRET

	OFF	2	15	23	102	55E	652032	675808	26	5	2	52	1154	18172				
182	3	2	80	ON	2	56	22	70	24E	598000	619824	26	6	22	24	11	3	22944
	OFF	2	44	24	75	1E	597504	619232	26	6	25	25	1125	23125				
183	5	2	94	ON	2	65	12	41	22F	606000	628128	26	7	49	52	1035	28192	
	OFF	2	51	26	50	4E	596224	617904	26	7	53	25	1113	28405				
184	5	0	13	ON	1	38	24	126	26W	828928	851104	26	9	1	35	035	32495	
	OFF	1	41	19	125	44W	888432	838128	26	9	2	28	039	32540				

PHOTOGRAPHIC SUMMARY

FWD PAN	CAMERA	NO	192	M.225F	SLIT	W/23A	FILTER	3404	FILM					
OPIN	NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI				
71	6	2	75	198.4	ON	270	9.8	18.7	11.93	11.39	10.79	10.19		
					OFF	289	21.0	19.6	12.03	12.10	11.50	10.90		
72	0	0	4	10.5	ON	96	-70.5	68.7	10.45	0.0	0.0	0.0		
					OFF	97	-70.0	65.0	10.45	0.0	0.0	0.0		
72	6	0	10	26.4	ON	141	-62.4	42.2	11.00	0.0	0.0	0.0		
					OFF	143	-60.1	38.6	11.02	0.0	0.0	0.0		
72	9	7	22	56.2	ON	324	36.6	22.7	12.10	12.36	11.76	11.16		
					OFF	324	39.8	23.8	12.10	12.39	11.79	11.19		
73	9	2	70	236.3	ON	286	18.5	19.9	12.01	12.00	11.40	10.80		
					OFF	320	29.9	20.8	12.00	12.29	11.69	11.09		
73	9	4	50	132.2	ON	298	53.9	31.3	12.07	12.42	11.82	11.22		
					OFF	289	60.4	38.3	12.03	12.42	11.82	11.22		
74	1	7	37	97.0	ON	293	58.0	34.9	12.05	12.42	11.82	11.22		
					OFF	285	62.5	41.3	12.01	12.42	11.82	11.22		
79	9	3	13	34.4	ON	322	31.9	20.2	12.09	12.32	11.72	11.12		
					OFF	323	33.8	20.6	12.10	12.34	11.74	11.14		
81	0	0	4	10.5	ON	252	10.7	17.3	11.83	11.47	10.87	10.27		
					OFF	254	12.2	17.4	11.84	11.60	11.00	10.40		
84	9	3	20	60.0	ON	286	16.5	17.1	12.01	11.90	11.30	10.70		
					OFF	291	20.5	17.5	12.04	12.00	11.40	10.80		
84	9	5	20	66.0	ON	296	24.5	18.0	12.06	12.20	11.60	11.00		
					OFF	320	20.4	10.6	12.00	12.27	11.67	11.07		
85	6	4	31	82.7	ON	292	21.1	17.4	12.04	12.10	11.50	10.90		
					OFF	290	25.0	10.0	12.07	12.23	11.63	11.03		
85	6	7	32	84.6	ON	305	38.2	20.6	12.10	12.30	11.78	11.18		
					OFF	324	42.9	22.2	12.10	12.40	11.80	11.20		
86	3	3	24	63.5	ON	263	14.9	16.7	12.00	11.80	11.20	10.60		
					OFF	289	15.6	17.0	12.03	12.01	11.41	10.81		
86	3	0	10	47.6	ON	300	20.1	10.2	12.00	12.27	11.67	11.07		
					OFF	312	30.9	10.7	12.09	12.31	11.71	11.11		
86	3	0	33	97.3	ON	315	30.1	20.4	12.10	12.37	11.77	11.17		
					OFF	324	42.9	22.0	12.10	12.40	11.80	11.20		
87	0	3	56	145.1	ON	293	15.0	15.6	12.00	11.86	11.26	10.66		
					OFF	293	24.3	17.4	12.05	12.19	11.59	10.99		
87	0	0	29	76.7	ON	312	37.4	20.0	12.09	12.37	11.77	11.17		
					OFF	302	41.6	21.3	12.09	12.40	11.80	11.20		
88	1	1	19	52.3	ON	260	7.1	10.1	11.92	11.00	10.40	9.80		
					OFF	273	12.3	16.2	11.95	11.43	10.83	10.23		
88	1	6	40	127.0	ON	301	44.5	22.2	12.00	12.41	11.81	11.21		

SECRET

SECRET

			OFF	296	51.4	25.6	12.86	12.42	11.82	11.22
89 9 2	55	145.5	ON	292	22.7	16.9	12.84	12.15	11.55	10.95
			OFF	299	38.8	18.2	12.88	12.31	11.71	11.11
89 9 6	36	95.2	ON	276	64.8	38.8	11.96	12.42	11.82	11.22
			OFF	265	69.3	48.9	11.98	12.42	11.82	11.22
92 8 7	12	31.7	ON	245	74.9	84.2	11.79	12.42	11.82	11.22
			OFF	241	75.8	93.8	11.77	12.42	11.82	11.22
94 4 2	28	74.1	ON	295	52.6	24.7	12.86	12.42	11.82	11.22
			OFF	291	56.6	27.5	12.84	12.42	11.82	11.22
95 4 1	44	116.4	ON	321	32.8	17.5	12.82	12.33	11.73	11.13
			OFF	301	39.3	19.8	12.89	12.38	11.78	11.18
99 9 1	14	37.8	ON	288	9.8	14.5	11.98	11.39	10.79	10.19
			OFF	283	12.8	14.5	12.88	11.59	10.99	10.39
108 9 3	72	198.4	ON	289	16.1	14.6	12.83	11.82	11.28	10.68
			OFF	298	26.9	15.6	12.87	12.25	11.65	11.05
101 9 2	55	145.5	ON	291	18.4	14.6	12.84	11.99	11.39	10.79
			OFF	298	26.8	15.4	12.87	12.24	11.64	11.04
101 9 4	57	158.8	ON	321	35.2	16.8	12.89	12.35	11.75	11.15
			OFF	308	43.5	19.8	12.88	12.41	11.81	11.21
102 8 2	125	338.6	ON	287	13.3	14.1	12.82	11.69	11.09	10.49
			OFF	322	32.8	16.1	12.89	12.32	11.72	11.12
102 8 6	84	222.2	ON	323	38.3	17.4	12.89	12.38	11.78	11.18
			OFF	297	53.5	21.6	12.87	12.42	11.82	11.22
103 3 6	21	55.5	ON	297	22.8	14.7	12.87	12.15	11.55	10.95
			OFF	299	26.8	15.8	12.88	12.23	11.63	11.03
103 3 7	28	68.8	ON	321	29.2	15.4	12.89	12.28	11.68	11.08
			OFF	322	32.7	16.8	12.89	12.33	11.73	11.13
104 6 2	64	169.3	ON	284	18.5	13.7	12.88	11.45	10.85	10.25
			OFF	295	28.2	14.3	12.86	12.87	11.47	10.87
105 9 4	39	183.2	ON	292	55.8	23.2	12.84	12.42	11.82	11.22
			OFF	285	68.6	27.3	12.81	12.42	11.82	11.22
106 8 1	22	56.2	ON	323	34.7	15.8	12.89	12.35	11.75	11.15
			OFF	303	37.9	16.5	12.89	12.37	11.77	11.17
106 8 6	72	198.4	ON	293	53.9	22.3	12.85	12.42	11.82	11.22
			OFF	279	64.2	38.8	11.98	12.42	11.82	11.22
109 4 3	14	37.8	ON	236	77.6	92.2	11.73	12.42	11.82	11.22
			OFF	238	77.3	102.6	11.78	12.42	11.82	11.22
116 3 2	26	74.1	ON	301	25.7	12.8	12.88	12.22	11.62	11.02
			OFF	322	32.8	13.3	12.89	12.29	11.69	11.09
117 3 2	148	394.1	ON	323	32.9	13.2	12.89	12.31	11.71	11.11
			OFF	292	53.1	19.8	12.84	12.42	11.82	11.22
118 6 4	27	71.4	ON	298	27.8	12.8	12.87	12.86	11.46	10.86
			OFF	321	24.3	12.3	12.89	12.19	11.59	10.99
118 6 6	28	74.1	ON	323	28.6	12.8	12.89	12.28	11.68	11.08
			OFF	324	32.9	13.3	12.18	12.33	11.73	11.13
118 6 8	29	76.7	ON	323	39.5	14.5	12.89	12.38	11.78	11.18
			OFF	321	44.8	15.6	12.88	12.41	11.81	11.21
119 9 2	81	214.2	ON	289	18.9	11.4	12.83	11.58	10.98	10.38
			OFF	322	23.3	12.1	12.88	12.17	11.57	10.97
120 4 1	59	156.1	ON	285	7.9	11.3	12.81	11.17	10.57	9.97
			OFF	296	17.1	11.5	12.86	11.93	11.33	10.73

SECRET

	2	37	97.9	ON	384	32.5	12.9	12.18	12.33	11.73	11.13
				OFF	383	38.8	13.8	12.18	12.37	11.77	11.17
121	9	5	188.4	ON	288	56.3	19.5	12.82	12.42	11.82	11.22
				OFF	279	62.5	23.6	11.98	12.42	11.82	11.22
122	4	6	119.6	ON	284	59.1	28.8	12.88	12.42	11.82	11.22
				OFF	273	65.9	26.5	11.95	12.42	11.82	11.22
125	1	4	158.8	ON	289	73.1	143.1	11.56	12.42	11.82	11.22
				OFF	192	62.8	158.8	11.44	12.42	11.82	11.22
127	1	2	39.7	ON	383	34.9	12.8	12.18	12.35	11.75	11.15
				OFF	383	37.3	12.4	12.18	12.37	11.77	11.17
138	3	1	74.1	ON	287	7.3	9.8	12.82	11.18	18.58	9.98
				OFF	292	11.4	9.8	12.84	11.54	18.94	18.34
132	8	2	188.5	ON	293	12.3	9.5	12.85	11.62	11.82	18.42
				OFF	299	18.5	9.7	12.88	12.88	11.48	18.88
134	3	3	66.1	ON	299	18.1	9.3	12.88	11.98	11.38	18.78
				OFF	381	22.8	9.6	12.89	12.13	11.53	18.93
134	3	7	153.4	ON	323	35.5	18.8	12.18	12.35	11.75	11.15
				OFF	299	44.4	12.3	12.87	12.41	11.81	11.21
136	6	2	39.7	ON	291	9.8	8.8	12.84	11.38	18.78	18.18
				OFF	294	12.2	8.9	12.85	11.68	11.88	18.48
137	2	3	42.3	ON	293	45.6	11.9	12.85	12.41	11.81	11.21
				OFF	291	48.2	12.5	12.84	12.42	11.82	11.22
137	2	7	53.5	ON	217	88.9	114.4	11.62	12.42	11.82	11.22
				OFF	218	78.8	136.3	11.57	12.42	11.82	11.22
138	8	7	53.5	ON	276	59.1	16.8	11.96	12.42	11.82	11.22
				OFF	278	63.2	18.1	11.93	12.42	11.82	11.22
141	8	6	111.1	ON	196	78.4	156.5	11.46	12.42	11.82	11.22
				OFF	183	61.2	163.8	11.37	12.42	11.82	11.22
143	8	8	39.7	ON	299	31.8	8.8	12.88	12.32	11.72	11.12
				OFF	299	34.3	9.2	12.87	12.34	11.74	11.14
149	8	3	349.1	ON	299	33.3	7.8	12.87	12.33	11.73	11.13
				OFF	282	53.6	18.9	11.99	12.42	11.82	11.22
152	5	4	128.4	ON	292	12.8	6.7	12.84	11.59	18.99	18.39
				OFF	297	18.4	6.8	12.87	11.99	11.39	18.79
151	8	3	145.5	ON	296	16.2	6.6	12.86	11.88	11.28	18.68
				OFF	299	24.8	6.9	12.88	12.28	11.68	11.88
152	8	2	42.3	ON	291	18.3	6.4	12.84	11.44	18.84	18.24
				OFF	293	12.9	6.4	12.85	11.67	11.87	18.47
154	4	7	74.1	ON	266	62.8	12.6	11.91	12.42	11.82	11.22
				OFF	258	67.6	15.1	11.86	12.42	11.82	11.22
165	3	1	219.5	ON	292	7.9	4.4	12.83	11.17	18.57	9.97
				OFF	297	28.6	4.5	12.87	12.88	11.48	18.88
165	3	4	314.3	ON	296	33.3	4.9	12.86	12.33	11.73	11.13
				OFF	278	52.8	6.6	11.97	12.42	11.82	11.22
167	9	2	74.1	ON	295	15.8	4.1	12.86	11.81	11.21	18.61
				OFF	297	19.5	4.2	12.87	12.84	11.44	18.84
168	9	2	31.7	ON	175	-69.8	18.5	11.31	8.8	8.8	8.8
				OFF	179	-66.1	9.2	11.33	8.8	8.8	8.8
169	9	4	58.3	ON	253	66.1	8.6	11.84	12.42	11.82	11.22
				OFF	247	69.6	9.9	11.88	12.42	11.82	11.22
172	9	7	39.7	ON	268	62.3	7.1	11.88	12.42	11.82	11.22



SECRET

181	7	2	68	179.9	OFF	255	65.8	7.9	11.85	12.42	11.82	11.22
					ON	283	44.5	2.4	12.88	12.41	11.81	11.21
					OFF	268	55.6	3.8	11.92	12.42	11.82	11.22
182	3	2	82	211.6	ON	296	13.4	1.8	12.86	11.78	11.18	10.58
					OFF	297	25.9	1.8	12.87	12.23	11.63	11.83
183	5	2	94	248.6	ON	298	4.8	1.8	12.83	10.62	10.82	9.42
					OFF	298	18.6	1.6	12.87	12.88	11.48	10.88
184	5	8	12	31.7	ON	179	-69.4	3.8	11.34	8.8	8.8	8.8
					OFF	183	-66.4	3.3	11.37	8.8	8.8	8.8

PHOTOGRAPHIC SUMMARY

AFT PAN CAMERA NO 193				0.1758 SLIT W/21			FILTER	3484 FILM				
OPN NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI			
71	6	2	75	198.4	ON	346	9.7	18.1	12.29	11.78	11.18	10.58
					OFF	378	21.8	19.3	12.38	12.43	11.83	11.23
72	8	8	4	18.6	ON	124	-78.9	78.5	10.81	8.8	8.8	8.8
					OFF	124	-78.4	66.7	10.81	8.8	8.8	8.8
72	6	8	12	26.4	ON	181	-63.8	42.6	11.35	8.8	8.8	8.8
					OFF	183	-68.7	38.9	11.37	8.8	8.8	8.8
72	9	7	22	58.2	ON	389	36.5	22.5	12.46	12.69	12.89	11.49
					OFF	398	39.8	23.6	12.46	12.72	12.12	11.52
73	9	2	78	286.3	ON	366	18.4	18.7	12.37	12.33	11.73	11.13
					OFF	384	29.9	28.6	12.44	12.62	12.82	11.42
73	9	4	52	132.2	ON	382	53.8	31.2	12.43	12.75	12.15	11.55
					OFF	371	68.3	38.1	12.39	12.75	12.15	11.55
74	1	7	37	97.9	ON	375	57.9	34.8	12.48	12.75	12.15	11.55
					OFF	365	62.5	41.1	12.36	12.75	12.15	11.55
79	9	3	12	31.7	ON	387	31.9	28.8	12.45	12.65	12.85	11.45
					OFF	388	33.8	28.4	12.45	12.67	12.87	11.47
81	8	8	4	18.6	ON	322	18.6	16.6	12.19	11.79	11.19	10.59
					OFF	326	12.1	16.8	12.28	11.92	11.32	10.72
84	9	3	26	68.8	ON	366	16.5	16.7	12.37	12.23	11.63	11.83
					OFF	373	28.5	17.1	12.39	12.41	11.81	11.21
84	9	5	28	68.8	ON	379	24.4	17.7	12.42	12.53	11.93	11.33
					OFF	384	28.4	18.4	12.44	12.68	12.88	11.48
85	6	4	31	82.3	ON	375	21.1	17.1	12.48	12.43	11.83	11.23
					OFF	381	25.8	17.7	12.43	12.56	11.96	11.36
85	6	7	32	84.6	ON	398	38.2	28.5	12.46	12.71	12.11	11.51
					OFF	398	42.9	22.8	12.46	12.73	12.13	11.53
86	3	3	24	63.5	ON	383	14.8	16.2	12.36	12.13	11.53	10.93
					OFF	378	18.6	16.6	12.38	12.33	11.73	11.13
86	3	6	18	47.6	ON	384	28.1	18.8	12.44	12.68	12.88	11.48
					OFF	386	32.9	18.5	12.45	12.64	12.84	11.44
86	3	8	33	87.3	ON	398	38.1	28.3	12.46	12.78	12.18	11.58
					OFF	392	42.9	21.9	12.46	12.73	12.13	11.53
87	8	3	58	148.1	ON	383	15.7	16.2	12.36	12.19	11.59	10.99
					OFF	377	24.2	17.2	12.41	12.52	11.92	11.32
87	8	6	29	76.7	ON	388	37.4	19.9	12.45	12.78	12.18	11.58
					OFF	388	41.6	21.2	12.45	12.73	12.13	11.53
88	1	1	19	58.3	ON	344	7.6	15.4	12.28	11.39	10.79	10.19

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			OFF	351	18.2	15.6	12.31	11.75	11.15	10.55	
	49	129.6	ON	387	44.5	22.8	12.45	12.74	12.14	11.54	
			OFF	381	51.4	25.4	12.43	12.75	12.15	11.55	
69	9 2	55	145.5	ON	376	22.6	16.6	12.41	12.48	11.88	11.28
			OFF	385	38.8	17.9	12.44	12.63	12.03	11.43	
69	9 6	36	95.2	ON	355	64.8	38.5	12.32	12.75	12.15	11.55
			OFF	341	69.3	48.5	12.26	12.75	12.15	11.55	
92	8 7	12	31.7	ON	315	75.8	83.3	12.15	12.75	12.15	11.55
			OFF	318	75.1	92.1	12.13	12.75	12.15	11.55	
94	4 2	28	74.1	ON	379	52.6	24.6	12.42	12.75	12.15	11.55
			OFF	374	56.6	27.3	12.48	12.75	12.15	11.55	
95	4 1	44	116.4	ON	387	32.7	17.3	12.45	12.66	12.06	11.46
			OFF	387	39.3	18.8	12.45	12.71	12.11	11.51	
99	9 1	14	37.3	ON	368	9.7	13.9	12.34	11.71	11.11	10.51
			OFF	364	12.8	14.8	12.36	11.92	11.32	10.72	
100	9 3	71	127.8	ON	371	16.1	14.2	12.39	12.21	11.61	11.01
			OFF	383	26.9	15.4	12.43	12.58	11.98	11.38	
101	9 2	55	145.5	ON	375	18.3	14.2	12.48	12.32	11.72	11.12
			OFF	383	26.7	15.2	12.43	12.57	11.97	11.37	
101	9 4	57	152.8	ON	327	35.1	16.7	12.45	12.68	12.08	11.48
			OFF	326	43.4	18.9	12.44	12.74	12.14	11.54	
102	8 2	124	328.8	ON	368	13.2	13.6	12.35	12.82	11.42	10.82
			OFF	379	32.8	15.9	12.42	12.65	12.05	11.45	
102	8 6	84	222.2	ON	388	38.3	17.2	12.42	12.71	12.11	11.51
			OFF	373	58.5	21.4	12.48	12.75	12.15	11.55	
103	8 6	21	52.8	ON	373	22.8	14.4	12.48	12.48	11.88	11.28
			OFF	376	26.8	14.8	12.41	12.56	11.96	11.36	
103	3 7	22	58.2	ON	378	29.2	15.2	12.42	12.61	12.01	11.41
			OFF	382	32.7	15.8	12.42	12.66	12.06	11.46	
104	6 2	54	159.3	ON	356	18.4	13.2	12.33	11.77	11.17	10.57
			OFF	378	28.1	13.9	12.38	12.48	11.88	11.28	
105	9 4	38	188.5	ON	367	55.8	23.8	12.37	12.75	12.15	11.55
			OFF	358	68.5	27.1	12.34	12.75	12.15	11.55	
106	8 1	22	58.2	ON	382	34.5	15.6	12.42	12.68	12.08	11.48
			OFF	388	37.9	16.3	12.42	12.78	12.18	11.58	
105	9 6	71	127.8	ON	368	53.8	22.1	12.38	12.75	12.15	11.55
			OFF	358	64.1	38.6	12.38	12.75	12.15	11.55	
109	4 3	13	34.4	ON	296	77.6	89.2	12.86	12.75	12.15	11.55
			OFF	289	77.4	181.4	12.83	12.75	12.15	11.55	
106	3 2	27	71.4	ON	378	25.7	12.5	12.41	12.55	11.95	11.35
			OFF	388	38.2	13.1	12.42	12.62	12.02	11.42	
107	3 2	149	394.1	ON	388	38.9	13.2	12.42	12.64	12.04	11.44
			OFF	367	53.8	18.8	12.37	12.75	12.15	11.55	
108	6 4	27	71.4	ON	361	28.2	11.7	12.42	12.39	11.79	11.19
			OFF	384	24.3	12.1	12.44	12.52	11.92	11.32	
108	6 6	27	71.4	ON	387	28.6	12.5	12.45	12.68	12.08	11.48
			OFF	388	32.8	13.1	12.45	12.66	12.06	11.46	
108	6 8	29	76.7	ON	327	39.5	14.3	12.45	12.71	12.11	11.51
			OFF	384	43.9	15.4	12.44	12.74	12.14	11.54	
109	9 2	81	214.2	ON	369	12.9	12.9	12.38	11.82	11.22	10.62
			OFF	384	23.2	11.8	12.44	12.58	11.98	11.38	

SECRET

120	4	2	37	97.9	ON	388	32.5	12.7	12.45	12.65	12.85	11.45
					OFF	387	38.8	13.7	12.45	12.72	12.10	11.50
121	9	5	41	108.4	ON	368	56.2	19.3	12.38	12.75	12.15	11.55
					OFF	357	62.4	23.4	12.33	12.75	12.15	11.55
122	4	6	45	119.8	ON	363	59.8	20.6	12.36	12.75	12.15	11.55
					OFF	349	65.8	26.2	12.30	12.75	12.15	11.55
125	1	4	56	148.1	ON	267	73.4	142.6	11.92	12.75	12.15	11.55
					OFF	245	62.5	158.1	11.79	12.75	12.15	11.55
127	1	2	15	39.7	ON	386	34.8	11.8	12.45	12.68	12.88	11.48
					OFF	387	37.3	12.2	12.45	12.70	12.10	11.50
130	3	1	26	66.8	ON	366	7.2	9.8	12.37	11.42	10.82	10.22
					OFF	373	11.4	9.2	12.39	11.87	11.27	10.67
132	8	2	42	105.2	ON	375	12.2	9.8	12.40	11.94	11.34	10.74
					OFF	382	18.5	9.3	12.43	12.33	11.73	11.13
134	3	3	25	66.1	ON	382	18.2	9.8	12.43	12.31	11.71	11.11
					OFF	385	21.9	9.2	12.44	12.46	11.86	11.26
134	3	7	58	153.4	ON	387	35.5	10.6	12.45	12.68	12.88	11.48
					OFF	381	44.3	12.1	12.43	12.74	12.14	11.54
136	8	2	15	39.7	ON	372	9.7	8.3	12.39	11.71	11.11	10.51
					OFF	375	12.1	8.4	12.40	11.93	11.33	10.73
137	2	3	16	42.3	ON	377	45.6	11.7	12.41	12.74	12.14	11.54
					OFF	374	48.1	12.3	12.40	12.75	12.15	11.55
137	2	7	23	60.8	ON	268	81.1	112.6	11.98	12.75	12.15	11.55
					OFF	271	78.3	135.3	11.93	12.75	12.15	11.55
138	2	7	24	63.5	ON	356	59.2	15.8	12.33	12.75	12.15	11.55
					OFF	348	62.9	17.9	12.30	12.75	12.15	11.55
141	8	6	42	111.1	ON	252	70.9	156.3	11.83	12.75	12.15	11.55
					OFF	236	61.8	164.0	11.74	12.75	12.15	11.55
143	6	2	15	39.7	ON	385	31.8	8.5	12.44	12.65	12.85	11.45
					OFF	385	34.3	8.8	12.44	12.67	12.87	11.47
149	6	3	132	349.1	ON	384	33.3	7.6	12.44	12.66	12.86	11.46
					OFF	363	53.5	10.8	12.36	12.75	12.15	11.55
153	5	4	42	105.2	ON	376	11.9	6.2	12.41	11.92	11.32	10.72
					OFF	382	18.3	6.5	12.43	12.32	11.72	11.12
151	8	3	55	145.5	ON	381	16.1	6.2	12.42	12.21	11.61	11.01
					OFF	385	24.7	6.6	12.44	12.53	11.93	11.33
152	6	2	16	42.3	ON	375	10.3	5.8	12.40	11.76	11.16	10.56
					OFF	378	12.9	5.9	12.41	11.99	11.39	10.79
154	4	7	29	76.7	ON	343	62.6	12.4	12.27	12.75	12.15	11.55
					OFF	332	67.4	14.8	12.23	12.75	12.15	11.55
165	3	1	83	219.5	ON	377	7.8	3.9	12.41	11.50	10.90	10.30
					OFF	356	27.6	4.2	12.44	12.41	11.81	11.21
165	3	4	119	314.8	ON	394	33.3	4.7	12.44	12.66	12.86	11.46
					OFF	362	51.9	6.5	12.35	12.75	12.15	11.55
167	9	2	25	74.1	ON	354	14.9	3.7	12.44	12.14	11.54	10.94
					OFF	336	19.4	3.8	12.44	12.37	11.77	11.17
168	9	2	12	31.7	ON	228	-69.5	10.2	11.69	0.8	0.8	0.8
					OFF	232	-66.5	9.9	11.71	0.8	0.8	0.8
169	9	4	19	58.3	ON	329	65.9	8.3	12.22	12.75	12.15	11.55

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170 9 7	15	39.7	OFF	321	69.4	9.7	12.18	12.75	12.15	11.55
			ON	338	62.1	7.8	12.25	12.75	12.15	11.55
181 7 2	68	179.9	OFF	332	64.8	7.7	12.23	12.75	12.15	11.55
			ON	368	44.4	2.2	12.38	12.74	12.14	11.54
182 3 2	88	211.6	OFF	348	55.4	2.8	12.38	12.75	12.15	11.55
			ON	385	13.4	1.3	12.44	12.83	11.43	10.83
183 5 2	94	248.6	OFF	386	25.8	1.5	12.44	12.56	11.96	11.36
			ON	377	3.9	1.8	12.41	10.94	10.34	9.74
184 5 8	13	34.4	OFF	387	18.5	1.3	12.45	12.33	11.73	11.13
			ON	233	-69.8	3.4	11.72	8.8	8.8	8.8
			OFF	237	-66.8	3.8	11.74	8.8	8.8	8.8

STELLAR-INDEX SUMMARY

CAMERA DATA	ET	FILM	FILTER	GRID	ASSEMBLY NO
STELLAR	2.7	3421	NCNE	111	D898
INDEX	1/500	3428	W/21	178	
PERFORMANCE	SUMMARY				

LPN	NO	FR	STEL FEET	INDX FEET	H	M	S	Q	ON LAT	ON LONG	Q	OFF LAT	OFF LONG	SEC DUR
71	6	2	1.19	2.38	8	2	38	2	59	68E	2	48	65E	187
72	6	2	2.28	7.42	9	12	52	1	38	111W	1	41	111W	59
72	9	7	2.48	2.79	9	39	27	2	32	47E	2	28	47E	65
73	9	2	1.19	2.38	11	4	47	2	51	19E	2	39	22E	198
73	9	4	2.79	1.55	11	14	9	2	13	27E	2	5	28E	128
74	1	7	2.59	1.19	12	45	28	2	8	5E	2	2	5E	99
79	9	3	2.38	2.59	24	8	19	2	37	112W	2	35	112W	43
84	9	3	2.49	2.99	3	34	24	2	53	129E	2	49	138E	74
84	9	5	2.49	2.99	3	36	25	2	45	132E	2	41	133E	74
85	6	4	2.49	2.99	5	5	35	2	48	188E	2	43	189E	85
85	6	7	2.49	2.99	5	9	57	2	31	112E	2	26	113E	86
86	3	3	2.48	2.79	6	33	59	2	54	83E	2	51	84E	78
86	3	6	2.38	2.59	6	37	21	2	41	87E	2	38	88E	55
86	3	8	2.59	1.19	6	39	55	2	31	98E	2	26	98E	88
87	8	3	2.59	1.78	8	4	13	2	53	68E	2	45	64E	142
87	8	8	2.49	2.99	8	9	43	2	31	67E	2	27	67E	79
88	1	1	2.38	2.59	9	32	8	2	62	33E	2	59	35E	61
88	1	6	2.79	1.58	9	41	34	2	24	45E	2	17	46E	123
89	9	2	2.89	1.78	11	5	57	2	47	18E	2	38	28E	137
89	9	8	2.59	1.19	11	17	11	2	1	25E	3	4	26E	184
92	8	7	2.28	2.48	15	51	41	3	16	39W	3	18	39W	48
94	4	2	2.49	2.99	18	43	34	2	16	88W	2	11	88W	78
95	4	1	2.59	1.39	27	8	24	2	36	114W	2	38	113W	113
99	9	1	2.38	2.59	2	2	32	2	59	145E	2	57	147E	46
100	9	3	1.89	2.15	3	34	3	2	53	126E	2	42	138E	176
101	9	2	2.89	1.78	5	4	34	2	51	184E	2	43	187E	148
101	9	4	2.89	1.78	5	8	48	2	34	189E	2	26	111E	148
102	8	2	1.89	3.76	6	33	15	2	56	79E	2	37	86E	296
102	8	5	1.29	2.57	6	39	34	2	31	87E	2	18	89E	281
103	3	6	2.42	2.79	8	5	37	2	47	61E	2	43	62E	61
103	3	7	2.48	2.79	8	7	13	2	48	62E	2	37	63E	66

STELLAR

SECRET

185	9	4	6	0.59	1.19	11	13	42	2	14	22E	2	8	22E	182
186	8	1	4	0.40	0.79	12	38	26	2	35	3W	2	31	3W	62
186	8	6	11	1.09	2.18	12	43	21	2	15	0W	2	4	0E	180
189	4	3	3	0.30	0.59	17	21	30	3	18	64W	3	20	64W	54
116	3	2	5	0.49	0.99	3	35	31	2	44	127E	2	40	128E	77
117	3	2	22	2.18	4.36	5	6	45	2	39	106E	2	16	110E	348
118	6	4	5	0.49	0.99	6	33	57	2	50	80E	2	45	81E	77
118	6	6	5	0.49	0.99	6	36	5	2	41	83E	2	37	84E	76
118	6	8	5	0.49	0.99	6	38	48	2	30	85E	2	26	86E	80
119	9	2	12	1.19	2.38	8	1	37	2	58	53E	2	46	59E	197
120	4	1	9	0.89	1.78	9	30	46	2	61	29E	2	52	34E	149
120	4	2	6	0.59	1.19	9	36	53	2	37	38E	2	32	39E	95
121	9	5	7	0.69	1.39	11	12	47	2	13	20E	2	6	20E	110
122	4	6	7	0.69	1.39	12	43	25	2	10	2W	2	3	1W	121
125	1	4	9	0.89	1.78	17	23	38	3	31	64W	3	43	61W	200
127	1	2	3	0.30	0.59	20	6	48	2	35	119W	2	32	118W	50
130	3	1	5	0.49	0.99	0	29	40	2	62	162E	2	58	165E	75
132	8	2	6	0.59	1.19	3	30	41	2	57	120E	2	51	123E	105
134	3	3	4	0.40	0.79	6	31	52	2	52	77E	2	40	79E	71
134	3	7	9	0.89	1.78	6	36	10	2	34	82E	2	26	84E	145
136	0	2	3	0.30	0.59	9	29	35	2	60	28E	2	57	29E	48
137	2	3	3	0.30	0.59	11	8	17	2	24	16E	2	22	16E	51
137	2	7	4	0.40	0.79	11	19	53	3	21	22E	3	26	22E	86
138	8	7	4	0.40	0.79	12	41	32	2	11	4W	2	7	3W	73
141	0	0	7	0.69	1.39	17	22	53	3	35	65W	3	45	63W	159
143	6	3	3	0.30	0.59	20	4	4	2	38	121W	2	36	121W	50
149	6	3	20	1.99	3.98	5	3	32	2	37	102E	2	17	106E	312
150	5	4	7	0.69	1.39	6	28	10	2	57	72E	2	51	75E	106
151	0	3	9	0.89	1.78	7	59	1	2	53	52E	2	45	55E	139
152	6	2	3	0.30	0.59	9	27	25	2	59	26E	2	57	28E	51
154	4	7	5	0.49	0.99	12	39	57	2	7	5W	2	3	5W	85
165	3	1	13	1.29	2.57	4	54	31	2	61	91E	2	49	97E	199
165	3	4	10	1.78	3.56	5	0	42	2	37	101E	2	18	104E	206
167	9	2	5	0.49	0.99	7	55	51	2	54	50E	2	50	52E	78
168	9	0	0	0.20	0.40	9	4	56	1	38	124W	1	41	124W	50
169	9	4	3	0.30	0.59	11	7	54	2	4	15E	2	1	15E	65
172	9	7	3	0.30	0.59	12	36	46	2	8	7W	2	5	7W	53
181	7	2	10	0.99	1.98	4	59	59	2	26	101E	2	15	102E	174
182	3	2	10	1.19	2.38	6	22	12	2	56	70E	2	44	75E	194
183	0	2	14	1.39	2.77	7	49	40	2	65	41E	2	51	50E	226
184	5	0	0	0.20	0.40	9	1	23	1	38	126W	1	41	125W	50

NOTE - THE LAST FIVE FRAMES FOR THE FWD PAN CAMERA AND THE LAST SIX FRAMES FOR THE AFT PAN CAMERA OF OPERATION 71-6-2 ARE IN THE MISSILE RECOVERY BUCKET.

NOTE - OPERATION 72-7-2 WAS THE CUT AND WRAP OPERATION OCCURRING AT THE A TO B TRANSFER.

SECRET

SECRET

OPERATION 81-8-8 WAS THE LENS STOWING OPERATION OCCURRING AT THE TIME OF THE A MISSION RECOVERY.

NOTE - TLM DATA OBSERVED DURING OPERATION 184-5-8 SHOWED THAT ALL OF THE FILM WAS DEPLETED FOR BOTH PAN CAMERAS PRIOR TO THIS OPERATION.

NOTE - TLM DATA INDICATE NORMAL SYSTEM PERFORMANCE FOR THE ENTIRE MISSION.

PAGE 19

SECRET

A. 1038-2

B. DRY

C. PERFORMANCE ESTIMATE - PART TWO

SECRET

RATE ESTIMATE

FWD PAN CAMERA NUMBER 192

OPN NO	FR	R	A	TUR/	DUR	INST	INST	SCAN	RATE	PCT	RATE
						CPS	ANG-VEL	R/SEC	I/SEC	CALIB	REQD
71	6	2	75	7	3 ON	1426	0.4235	0.03404	2.535	68.84	-3.8 -3.6
					OFF	174	0.4321	0.03646	2.715	65.16	-3.8 -2.3
72	0	0	4	10	2 ON	0	0.1673	0.01412	1.051	25.23	-3.8 -45.4
					OFF	23	0.1673	0.01412	1.051	25.23	-3.8 -46.3
72	6	0	17	7	3 ON	249	0.2115	0.01784	1.329	31.89	-3.8 -23.0
					OFF	46	0.2144	0.01829	1.347	32.33	-3.8 -23.2
72	9	7	22	7	3 ON	1844	0.4539	0.03830	2.852	68.45	-3.8 -1.7
					OFF	52	0.4551	0.03840	2.859	68.62	-3.8 -1.7
73	9	2	73	7	3 ON	1564	0.4274	0.03606	2.685	64.44	-3.8 -2.4
					OFF	177	0.4478	0.03778	2.813	67.52	-3.8 -1.8
73	9	4	50	7	3 ON	2126	0.4455	0.03759	2.799	67.18	-3.8 -1.7
					OFF	115	0.4326	0.03650	2.718	65.23	-3.8 -1.7
74	1	7	37	7	3 ON	2199	0.4377	0.03693	2.750	66.00	-3.8 -1.8
					OFF	36	0.4263	0.03597	2.679	64.29	-3.8 -1.7
79	9	3	13	7	3 ON	1700	0.4513	0.03898	2.835	68.05	-3.8 -1.6
					OFF	32	0.4527	0.03820	2.845	68.27	-3.8 -1.6
81	2	0	4	10	2 ON	0	0.1624	0.01353	1.000	24.18	-3.8 -164.4
					OFF	24	0.1624	0.01353	1.000	24.18	-3.8 -166.4
84	9	3	26	7	3 ON	1553	0.4271	0.03604	2.684	64.41	-3.8 -2.4
					OFF	51	0.4353	0.03673	2.735	65.63	-3.8 -2.1
84	9	5	25	7	3 ON	1624	0.4427	0.03736	2.782	66.76	-3.8 -1.8
					OFF	61	0.4480	0.03781	2.815	67.56	-3.8 -1.7
85	6	4	31	7	3 ON	1635	0.4371	0.03688	2.746	65.91	-3.8 -2.0
					OFF	72	0.4447	0.03752	2.794	67.06	-3.8 -1.8
85	6	7	32	7	3 ON	1890	0.4551	0.03840	2.860	68.63	-3.8 -1.5
					OFF	73	0.4547	0.03837	2.857	68.57	-3.8 -1.5
86	3	3	24	7	3 ON	1541	0.4237	0.03575	2.662	63.90	-3.8 -2.6
					OFF	57	0.4318	0.03644	2.713	65.12	-3.8 -2.3
86	3	6	18	7	3 ON	1743	0.4482	0.03782	2.816	67.58	-3.8 -1.7
					OFF	42	0.4509	0.03805	2.833	68.00	-3.8 -1.6
86	3	8	33	7	3 ON	1897	0.4551	0.03840	2.860	68.63	-3.8 -1.5
					OFF	75	0.4546	0.03836	2.857	68.56	-3.8 -1.5
87	5	3	56	7	3 ON	1558	0.4224	0.03564	2.654	63.70	-4.7 -3.5
					OFF	129	0.4385	0.03700	2.755	66.13	-4.7 -2.9
87	8	6	29	7	3 ON	1808	0.4507	0.03803	2.832	67.96	-4.7 -2.5
					OFF	66	0.4507	0.03803	2.832	67.96	-4.7 -2.5
88	1	1	10	7	3 ON	1429	0.4002	0.03377	2.515	60.35	-4.7 -4.8
					OFF	48	0.4006	0.03447	2.567	61.61	-4.7 -4.3
88	1	6	40	7	3 ON	2003	0.4493	0.03791	2.823	67.76	-4.7 -2.5
					OFF	110	0.4428	0.03736	2.782	66.77	-4.7 -2.5
89	9	2	55	7	3 ON	1569	0.4377	0.03687	2.746	65.89	-4.7 -2.8
					OFF	124	0.4471	0.03773	2.809	67.43	-4.7 -2.6

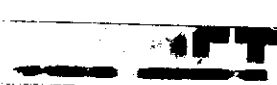
SECRET

89	9	6	36	7	3	ON	112	0.03478	2.590	62.16	-4.7	-3.1	
						OFF	91	0.3968	0.03341	2.488	59.72	-4.7	-3.3
92	8	7	12	6	4	ON	2625	0.3666	0.03093	2.303	55.28	-4.7	-1.8
						OFF	35	0.3601	0.03039	2.263	54.31	-4.7	-1.7
94	4	2	29	6	4	ON	2147	0.4404	0.03716	2.767	66.41	-4.7	-2.5
						OFF	65	0.4344	0.03665	2.729	65.50	-4.7	-2.3
95	4	1	44	6	4	ON	1842	0.4492	0.03791	2.823	67.74	-4.7	-2.5
						OFF	100	0.4504	0.03800	2.830	67.91	-4.7	-2.6
99	9	1	14	6	4	ON	1506	0.4185	0.03531	2.629	63.10	-4.7	-2.8
						OFF	33	0.4227	0.03567	2.656	63.75	-4.7	-2.8
100	9	3	72	6	4	ON	1603	0.4313	0.03639	2.710	65.04	-4.7	-2.5
						OFF	163	0.4456	0.03760	2.800	67.20	-4.7	-2.5
101	9	2	55	6	4	ON	1639	0.4354	0.03674	2.736	65.65	-4.7	-2.5
						OFF	127	0.4456	0.03760	2.800	67.20	-4.7	-2.5
101	9	4	57	6	4	ON	1893	0.4503	0.03890	2.829	67.90	-4.7	-2.5
						OFF	127	0.4486	0.03785	2.819	67.64	-4.7	-2.5
102	8	2	125	6	4	ON	1567	0.4289	0.03619	2.695	64.68	-4.2	-2.1
						OFF	203	0.4515	0.03810	2.837	68.09	-4.2	-2.0
102	8	6	84	6	4	ON	1945	0.4524	0.03818	2.843	68.23	-4.2	-2.0
						OFF	108	0.4440	0.03746	2.790	66.95	-4.2	-2.0
103	3	6	21	6	4	ON	1714	0.4443	0.03749	2.792	67.00	-4.2	-1.9
						OFF	48	0.4475	0.03776	2.812	67.48	-4.2	-1.9
103	3	7	23	6	4	ON	1810	0.4502	0.03799	2.829	67.89	-4.2	-1.9
						OFF	53	0.4519	0.03813	2.839	68.14	-4.2	-2.0
104	5	2	60	6	4	ON	1529	0.4239	0.03577	2.663	63.92	-4.2	-2.2
						OFF	146	0.4437	0.03719	2.769	66.46	-4.2	-2.0
105	9	4	39	6	4	ON	2209	0.4364	0.03692	2.742	65.81	-4.2	-1.9
						OFF	09	0.4253	0.03593	2.676	64.21	-4.2	-1.7
106	8	1	22	6	4	ON	1899	0.4525	0.03818	2.843	68.23	-4.2	-1.9
						OFF	49	0.4525	0.03818	2.843	68.23	-4.2	-2.0
106	8	6	72	6	4	ON	2194	0.4382	0.03696	2.752	66.05	-4.2	-1.9
						OFF	107	0.4167	0.03516	2.618	62.83	-4.2	-1.6
109	4	3	14	6	4	ON	2704	0.3522	0.02972	2.213	53.11	-4.2	-2.4
						OFF	41	0.3444	0.02906	2.164	51.93	-4.2	-2.5
116	3	2	23	6	4	ON	1792	0.4494	0.03792	2.824	67.77	-4.2	-1.8
						OFF	54	0.4517	0.03811	2.838	68.12	-4.2	-1.8
117	3	2	149	6	4	ON	1874	0.4522	0.03815	2.841	68.18	-4.2	-1.8
						OFF	325	0.4363	0.03686	2.745	65.87	-4.2	-1.9
105	5	4	27	6	4	ON	1714	0.4455	0.03759	2.799	67.18	-4.0	-1.5
						OFF	04	0.4496	0.03794	2.825	67.80	-4.0	-1.5
118	8	6	22	6	4	ON	1842	0.4526	0.03819	2.844	68.25	-4.0	-1.5
						OFF	03	0.4537	0.03828	2.851	68.42	-4.0	-1.6
118	8	8	29	6	4	ON	2015	0.4523	0.03817	2.842	68.21	-4.0	-1.6
						OFF	67	0.4494	0.03792	2.824	67.76	-4.0	-1.6
119	9	2	31	6	4	ON	1501	0.4310	0.03644	2.713	65.12	-4.0	-1.8
						OFF	104	0.4489	0.03787	2.820	67.69	-4.0	-1.5
120	4	1	59	6	4	ON	1538	0.4261	0.03596	2.678	64.26	-4.0	-2.1
						OFF	136	0.4417	0.03727	2.776	66.61	-4.0	-1.7
120	4	2	37	6	4	ON	1924	0.4537	0.03828	2.851	68.42	-4.0	-1.5
						OFF	02	0.4532	0.03822	2.846	68.31	-4.0	-1.6
121	9	5	41	6	4	ON	2205	0.4399	0.03636	2.708	64.98	-4.0	-1.6

ADPT

OFFICIAL

122	4	6	45	6	4	ON	2311	0.4176	0.03524	2.624	62.98	-4.0	-1.5
						OFF	188	0.4884	0.03446	2.566	61.59	-4.0	-1.5
125	1	4	57	6	4	ON	2951	0.3131	0.02641	1.967	47.21	-4.0	-1.2
						OFF	187	0.2871	0.02423	1.804	43.30	-4.0	0.2
127	1	2	15	6	4	ON	1958	0.4535	0.03826	2.849	68.38	-4.0	-1.5
						OFF	37	0.4527	0.03820	2.845	68.27	-4.0	-1.5
130	3	1	28	6	4	ON	1557	0.4287	0.03618	2.694	64.65	-4.0	-2.1
						OFF	62	0.4359	0.03678	2.739	65.74	-4.0	-1.9
132	3	2	38	6	4	ON	1638	0.4385	0.03700	2.755	66.12	-4.0	-1.7
						OFF	92	0.4465	0.03768	2.805	67.33	-4.0	-1.6
134	3	3	25	6	4	ON	1729	0.4466	0.03769	2.806	67.35	-4.0	-1.6
						OFF	58	0.4501	0.03798	2.828	67.88	-4.0	-1.5
134	3	7	53	6	4	ON	1966	0.4529	0.03821	2.846	68.29	-4.0	-1.5
						OFF	132	0.4463	0.03766	2.804	67.30	-4.0	-1.6
136	6	2	15	6	4	ON	1612	0.4356	0.03675	2.737	65.68	-4.0	-2.0
						OFF	35	0.4398	0.03785	2.759	66.21	-4.0	-1.9
137	2	3	16	6	4	ON	2145	0.4376	0.03692	2.749	65.99	-5.3	-3.1
						OFF	38	0.4344	0.03665	2.729	65.50	-5.3	-3.1
137	2	7	24	6	4	ON	2841	0.3251	0.02743	2.043	49.02	-5.3	-4.1
						OFF	73	0.3146	0.02654	1.976	47.43	-5.3	-3.3
138	5	7	24	6	4	ON	2351	0.4130	0.03485	2.595	62.28	-5.3	-3.3
						OFF	60	0.4041	0.03410	2.539	60.94	-5.3	-3.3
141	6	6	42	6	4	ON	3065	0.2925	0.02468	1.838	44.11	-5.3	-2.6
						OFF	146	0.2740	0.02312	1.722	41.32	-5.3	-1.7
143	6	3	15	6	4	ON	1958	0.4471	0.03772	2.809	67.42	-5.3	-2.8
						OFF	37	0.4464	0.03766	2.805	67.31	-5.3	-2.8
149	6	3	132	6	4	ON	1956	0.4462	0.03765	2.804	67.29	-5.3	-2.8
						OFF	299	0.4214	0.03556	2.648	63.55	-5.3	-3.2
150	5	4	41	6	4	ON	1686	0.4369	0.03687	2.745	65.89	-5.3	-3.1
						OFF	93	0.4434	0.03741	2.786	66.86	-5.3	-2.9
151	6	3	55	6	4	ON	1751	0.4419	0.03728	2.776	66.63	-5.3	-3.0
						OFF	126	0.4470	0.03771	2.808	67.40	-5.3	-2.9
152	6	2	16	6	4	ON	1609	0.4353	0.03673	2.735	65.65	-5.3	-3.3
						OFF	38	0.4384	0.03699	2.755	66.12	-5.3	-3.2
154	4	7	28	6	4	ON	2446	0.3977	0.03355	2.499	59.97	-5.3	-3.0
						OFF	72	0.3853	0.03251	2.421	58.10	-5.3	-3.9
155	3	1	33	6	4	ON	1674	0.4334	0.03657	2.723	65.36	-5.9	-3.7
						OFF	186	0.4441	0.03748	2.791	66.97	-5.9	-3.2
155	3	4	110	6	4	ON	2245	0.4410	0.03728	2.776	66.63	-5.9	-3.3
						OFF	273	0.4159	0.03509	2.613	62.72	-5.9	-3.9
157	9	2	20	6	4	ON	1725	0.4414	0.03724	2.773	66.56	-5.9	-3.3
						OFF	65	0.4439	0.03745	2.789	66.94	-5.9	-3.3
158	9	3	12	6	4	ON	545	0.2626	0.02216	1.650	39.60	-5.9	-19.4
						OFF	45	0.2673	0.02255	1.679	40.30	-5.9	-19.3
159	9	4	19	6	4	ON	2538	0.3789	0.03197	2.381	57.14	-5.9	-5.1
						OFF	52	0.3695	0.03118	2.322	55.72	-5.9	-5.3
177	9	7	15	6	4	ON	2434	0.3887	0.03280	2.442	58.61	-5.9	-4.8
						OFF	40	0.3820	0.03223	2.400	57.60	-5.9	-4.9
181	7	2	20	6	4	ON	2258	0.4234	0.03572	2.660	63.84	-5.9	-3.7
						OFF	161	0.4004	0.03379	2.516	60.39	-5.9	-4.4



UNIT

182	3	2	82	6	4	ON	1809	0.4425	0.03734	2.780	66.73	-5.9	-3.1
						OFF	181	0.4448	0.03747	2.790	66.96	-5.9	-3.8
183	5	2	94	6	4	ON	1673	0.4334	0.03657	2.723	65.35	-5.9	-3.8
						OFF	213	0.4446	0.03752	2.794	67.05	-5.9	-3.8
184	5	0	12	6	4	ON	595	0.2682	0.02263	1.685	40.44	-5.9	-20.8
						OFF	45	0.2731	0.02304	1.716	41.18	-5.9	-20.6

RATE ESTIMATE

AET PAN CAMERA NUMBER 193

CPN NO	FR	R	A	TUR/DUR	INST CPS	INST ANG-VEL	SCAN RATE R/SEC	RATE I/SEC	PCT CALIB	RATE RECD		
71	6	2	75	7	3 ON	1438	0.4017	0.03390	2.524	60.58	-4.2	-4.5
					OFF	174	0.4303	0.03630	2.703	64.88	-4.2	-3.8
72	8	0	4	10	2 ON	12	0.1666	0.01406	1.047	25.13	-4.2	-46.6
					OFF	23	0.1666	0.01406	1.047	25.13	-4.2	-47.5
72	6	0	17	7	3 ON	261	0.2106	0.01777	1.323	31.75	-4.2	-24.1
					OFF	46	0.2135	0.01801	1.341	32.19	-4.2	-24.3
72	9	7	22	7	3 ON	1856	0.4520	0.03814	2.840	68.16	-4.2	-2.2
					OFF	52	0.4531	0.03823	2.847	68.33	-4.2	-2.1
73	9	2	78	7	3 ON	1576	0.4255	0.03591	2.674	64.17	-4.2	-3.2
					OFF	177	0.4458	0.03762	2.801	67.23	-4.2	-2.4
73	9	4	50	7	3 ON	2138	0.4436	0.03743	2.787	66.90	-4.2	-1.9
					OFF	115	0.4307	0.03634	2.706	64.95	-4.2	-1.7
74	1	7	37	7	3 ON	2211	0.4350	0.03677	2.738	65.72	-4.2	-1.8
					OFF	06	0.4245	0.03582	2.667	64.01	-4.2	-1.7
79	9	3	12	7	3 ON	1570	0.4494	0.03792	2.823	67.76	-4.2	-2.2
					OFF	30	0.4500	0.03804	2.832	67.90	-4.2	-2.2
81	0	0	4	10	2 ON	12	0.1597	0.01347	1.003	24.00	-4.2	-166.6
					OFF	24	0.1597	0.01347	1.003	24.00	-4.2	-168.6
84	9	3	26	7	3 ON	1575	0.4253	0.03589	2.672	64.14	-4.2	-3.2
					OFF	61	0.4334	0.03657	2.723	65.35	-4.2	-2.9
84	9	5	26	7	3 ON	1696	0.4400	0.03720	2.770	66.48	-4.2	-2.5
					OFF	61	0.4461	0.03764	2.803	67.20	-4.2	-2.3
85	6	4	31	7	3 ON	1647	0.4352	0.03673	2.735	65.63	-4.2	-2.7
					OFF	72	0.4426	0.03736	2.782	66.77	-4.2	-2.5
85	6	7	32	7	3 ON	1910	0.4532	0.03824	2.847	68.34	-4.2	-2.0
					OFF	73	0.4528	0.03820	2.845	68.27	-4.2	-1.9
86	3	3	24	7	3 ON	1553	0.4219	0.03560	2.651	63.63	-4.2	-3.4
					OFF	57	0.4300	0.03628	2.702	64.84	-4.2	-3.1
86	3	0	10	7	3 ON	1755	0.4463	0.03765	2.804	67.29	-4.2	-2.3
					OFF	42	0.4490	0.03789	2.821	67.71	-4.2	-2.2
86	5	0	33	7	3 ON	1909	0.4532	0.03824	2.847	68.34	-4.2	-2.0
					OFF	75	0.4527	0.03820	2.844	68.27	-4.2	-1.9
87	8	3	56	7	3 ON	1570	0.4223	0.03563	2.653	63.68	-4.7	-3.9
					OFF	129	0.4304	0.03699	2.755	66.11	-4.7	-3.1
87	8	6	29	7	3 ON	1900	0.4526	0.03802	2.831	67.94	-4.7	-2.5
					OFF	66	0.4506	0.03802	2.831	67.94	-4.7	-2.5
88	1	1	19	7	3 ON	1441	0.4001	0.03376	2.514	60.33	-4.7	-5.3
					OFF	48	0.4004	0.03446	2.566	61.59	-4.7	-4.8
88	1	6	49	7	3 ON	2015	0.4492	0.03790	2.822	67.74	-4.7	-2.4

UNIT

DEBILT

					OFF	118	0.4427	0.03735	2.781	66.75	-4.7	-2.3
69	9	2	55	7	3 ON	1661	0.4368	0.03686	2.745	65.88	-4.7	-3.1
					OFF	124	0.4470	0.03772	2.809	67.41	-4.7	-2.7
69	9	6	36	7	3 ON	2356	0.4121	0.03477	2.589	62.14	-4.7	-2.6
					OFF	91	0.3959	0.03341	2.488	59.70	-4.7	-2.8
92	8	7	12	6	4 ON	2637	0.3665	0.03092	2.303	55.27	-4.7	-1.1
					OFF	35	0.3602	0.03038	2.262	54.29	-4.7	-1.0
94	4	2	23	6	4 ON	2159	0.4403	0.03715	2.766	66.39	-4.7	-2.2
					OFF	65	0.4343	0.03664	2.729	65.48	-4.7	-2.0
95	4	1	44	6	4 ON	1854	0.4491	0.03790	2.822	67.73	-4.7	-2.6
					OFF	120	0.4502	0.03799	2.829	67.89	-4.7	-2.6
99	9	1	14	6	4 ON	1518	0.4183	0.03530	2.629	63.08	-4.7	-3.2
					OFF	33	0.4226	0.03566	2.655	63.73	-4.7	-3.2
102	9	3	71	6	4 ON	1615	0.4312	0.03638	2.709	65.02	-4.7	-2.9
					OFF	163	0.4455	0.03759	2.799	67.18	-4.7	-2.7
101	9	2	55	6	4 ON	1651	0.4352	0.03673	2.735	65.63	-4.7	-2.8
					OFF	127	0.4455	0.03759	2.799	67.18	-4.7	-2.7
101	9	4	57	6	4 ON	1925	0.4502	0.03798	2.829	67.88	-4.7	-2.6
					OFF	127	0.4485	0.03784	2.818	67.62	-4.7	-2.4
102	8	2	124	6	4 ON	1579	0.4189	0.03535	2.632	63.17	-6.5	-4.9
					OFF	233	0.4410	0.03721	2.771	66.50	-6.5	-4.5
102	8	6	84	6	4 ON	1957	0.4419	0.03729	2.776	66.63	-6.5	-4.4
					OFF	188	0.4336	0.03659	2.724	65.39	-6.5	-4.1
103	3	6	27	6	4 ON	1726	0.4339	0.03662	2.727	65.44	-6.5	-4.5
					OFF	48	0.4371	0.03688	2.746	65.91	-6.5	-4.5
103	3	7	22	6	4 ON	1822	0.4397	0.03710	2.763	66.30	-6.5	-4.5
					OFF	53	0.4413	0.03724	2.773	66.55	-6.5	-4.5
104	6	2	64	6	4 ON	1541	0.4142	0.03493	2.601	62.43	-6.5	-5.1
					OFF	146	0.4304	0.03632	2.704	64.90	-6.5	-4.7
105	9	4	38	6	4 ON	2221	0.4262	0.03596	2.678	64.27	-6.5	-4.8
					OFF	89	0.4159	0.03509	2.613	62.71	-6.5	-3.7
106	8	1	22	6	4 ON	1911	0.4419	0.03729	2.777	66.64	-6.5	-4.4
					OFF	49	0.4419	0.03729	2.776	66.63	-6.5	-4.4
106	8	6	71	6	4 ON	2236	0.4278	0.03609	2.688	64.51	-6.5	-4.0
					OFF	157	0.4272	0.03434	2.557	61.37	-6.5	-3.6
109	4	3	17	6	4 ON	2716	0.3442	0.02902	2.161	51.87	-6.5	-4.2
					OFF	41	0.3363	0.02838	2.113	50.72	-6.5	-4.2
116	3	2	27	6	4 ON	1804	0.4300	0.03723	2.758	66.18	-6.5	-4.3
					OFF	64	0.4412	0.03722	2.772	66.53	-6.5	-4.3
117	3	2	140	6	4 ON	1806	0.4416	0.03726	2.775	66.59	-6.5	-4.3
					OFF	335	0.4266	0.03600	2.681	64.33	-6.5	-4.0
118	6	4	27	6	4 ON	1726	0.4425	0.03734	2.780	66.73	-4.6	-2.4
					OFF	64	0.4466	0.03768	2.806	67.34	-4.6	-2.4
113	6	6	27	6	4 ON	1834	0.4495	0.03793	2.824	67.79	-4.6	-2.3
					OFF	63	0.4506	0.03802	2.831	67.95	-4.6	-2.3
110	6	5	20	6	4 ON	2217	0.4423	0.03791	2.823	67.75	-4.6	-2.2
					OFF	67	0.4463	0.03766	2.804	67.31	-4.6	-2.1
119	9	2	21	6	4 ON	1593	0.4280	0.03619	2.695	64.68	-4.6	-2.8
					OFF	104	0.4450	0.03762	2.801	67.23	-4.6	-2.4
120	4	1	09	6	4 ON	1550	0.4233	0.03571	2.659	63.83	-4.6	-3.1
					OFF	106	0.4385	0.03702	2.757	66.16	-4.6	-2.6

