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4 PAGES
(NOT INCLUDING PEST)

CORONA J-FLIGHT DATA BOOK

SYSTEM NO. J-X28

VEHICLE NO. 1616

MISSION NO. 1825-2

CAMERA NOS. 142/127

DATE 18-15-65

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Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997

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SYSTEM NO. J-X28
VEHICLE NO. 1616
MISSION NO. 1825-2
CAMERA NOS. 142/127

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SYSTEM NO. J-X28
VEHICLE NO. 1616
MISSION NO. 1825-2
CAMERA NOS. 142/127

GENERAL FLIGHT DATA

MASTER CAMERA SERIAL NO. 142

SLAVE CAMERA SERIAL NO. 127

S/I -1 SERIAL NO. D73/78/88

S/I -2 SERIAL NO. D78/88/81

LAUNCH DATE 18-05-65

REACTIVATION DATE N/A

REACTIVATION ORBIT N/A

ORBITAL PARAMETERS (REV. 121)

PERIOD	89.691 MIN	ECCENTRICITY	0.00925
PERIGEE	114.481 NM	PERIGEE LAT.	57.080
APOGEE	180.700 NM	INCL. ANGLE	75.034

RECOVERY ORBIT NO. 161

RECOVERY DATE 18-15-65

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SYSTEM NO. J-X28
VEHICLE NO. 1616
MISSION NO. 1825-2
CAMERA NOS. 142/127

CYCLE PERIOD DATA

V/H RAMP SETTING LEVEL	AMPLITUDE	TIME UP RAMP-SEC	--CALIBRATED--		--IN-FLIGHT--		ORBIT CYCLE PERIOD-SEC NO.
			MASTER	SLAVE	MASTER	SLAVE	
7	7	473	3.516	3.538	3.467	3.519	89
7	7	2842	2.483	2.495	2.528	2.555	95
7	7	2888	2.477	2.498	2.518	2.538	111
7	7	2858	2.485	2.497	2.518	2.545	127
7	7	598	3.381	3.395	3.358	3.432	136
7	7	2188	2.496	2.588	2.528	2.568	143
7	7	2148	2.588	2.528	2.538	2.568	159

NOTE

AN * OR -8 INDICATES NO DATA AVAILABLE.

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A. 1825-2 LAUNCHED AT 1746Z ON 18/05/65

B. DRY

C. PERFORMANCE ESTIMATE - PART ONE

OPERATIONS SUMMARY

FWD	PAN	CAMERA	NUMBER																
OPN	NO	FRA		Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM					
79	7	1	4	ON	2 38 36	188 14W	682194	707888	18	16	1	14	848	57674					
				OFF	2 29 56	188 2W	682463	707368	18	16	1	24	849	57684					
81	8	8	5	ON	2 58 37	168 31W	699598	725142	18	18	53	14	739	67994					
				OFF	2 57 14	167 11W	697582	722975	18	18	53	37	744	68817					
84	3	1	53	ON	2 71 29	97 38E	726338	752894	18	23	18	17	548	83897					
				OFF	2 64 31	115 51E	709289	735125	18	23	28	42	7	4	84842				
84	3	2	39	ON	2 56 33	125 32E	695855	721267	18	23	23	8	745	84188					
				OFF	2 58 21	138 18E	688494	713627	18	23	24	41	8	5	84281				
84	3	3	17	ON	2 44 4	133 34E	683624	708573	18	23	26	21	828	84381					
				OFF	2 41 16	134 49E	682318	707217	18	23	27	5	826	84425					
86	1	1	21	ON	2 64 5	71 19E	707736	733596	11	2	28	17	7	5	8417				
				OFF	2 68 56	75 42E	702893	727748	11	2	21	13	724	8473					
86	1	2	39	ON	2 54 5	82 19E	692261	717536	11	2	23	8	752	8588					
				OFF	2 47 48	86 24E	685988	711818	11	2	24	49	818	8689					
86	1	3	28	ON	2 42 3	89 13E	682542	707458	11	2	26	19	823	8779					
				OFF	2 38 44	98 34E	681685	706477	11	2	27	11	829	8831					
86	1	4	61	ON	2 35 35	91 43E	681456	706323	11	2	28	8	834	8888					
				OFF	2 25 21	94 48E	686188	711233	11	2	38	37	849	9837					
86	1	5	18	ON	2 8 38	188 34E	735931	762857	11	2	37	13	919	9433					
				OFF	3 3 52	181 15E	746281	773599	11	2	38	4	923	9484					
87	7	1	19	ON	2 46 59	64 13E	685268	718271	11	3	54	45	811	14885					
				OFF	2 43 46	65 48E	683276	708212	11	3	55	36	818	14136					
87	7	2	25	ON	2 32 33	78 6E	682888	706978	11	3	58	38	838	14318					
				OFF	2 28 17	71 22E	684182	709869	11	3	59	36	845	14376					
87	7	3	64	ON	2 24 36	72 22E	687828	712896	11	4	8	32	858	14432					
				OFF	2 13 23	75 2E	702664	728331	11	4	3	23	9	3	14683				
89	8	8	13	ON	1 38 28	126 29W	863155	894932	11	6	31	49	22	5	23589				
				OFF	1 41 25	125 18W	854998	886463	11	6	32	36	2211	23556					
89	8	1	52	ON	2 15 41	29 16E	699888	724611	11	7	2	15	859	25335					
				OFF	2 6 27	31 15E	718154	744486	11	7	4	36	9	9	25476				
89	8	2	58	ON	3 1 7	32 47E	738851	765887	11	7	6	31	917	25591					
				OFF	3 18 27	34 43E	778212	798439	11	7	8	54	927	25734					
98	7	1	57	ON	3 17 56	13 44E	799884	829157	11	8	48	32	935	31232					
				OFF	3 29 26	16 42E	858868	881343	11	8	43	38	958	31418					
94	3	1	16	ON	2 39 32	98 46W	682369	707271	11	14	24	43	821	51883					
				OFF	2 36 45	89 43W	682284	707183	11	14	25	26	826	51926					
94	3	2	46	ON	3 35 37	71 58W	881112	913579	11	14	43	58	956	53838					
				OFF	3 45 21	67 49W	927545	961881	11	14	46	33	1815	53193					
95	3	1	19	ON	2 33 36	111 16W	683599	708547	11	15	55	57	838	57357					
				OFF	2 38 21	118 15W	685831	718833	11	15	56	47	835	57487					
181	8	1	23	ON	3 7 11	122 29E	765161	793196	12	1	4	37	914	3877					
				OFF	3 11 39	123 25E	781346	889996	12	1	5	45	919	3945					
181	8	2	47	ON	3 16 2	124 23E	798426	827727	12	1	6	53	924	4813					
				OFF	3 25 32	126 42E	838651	869489	12	1	9	28	936	4168					

182	7	1	38	ON	2	47	29	84	38E	686923	711996	12	2	28	18	758	8418	
				OFF	2	41	13	87	38E	684586	789571	12	2	21	57	811	8517	
182	7	2	79	ON	2	38	28	88	36E	684485	789384	12	2	22	48	817	8568	
				OFF	2	25	18	92	45E	691193	716427	12	2	26	3	837	8763	
182	7	3	18	ON	2	5	45	97	13E	726183	752739	12	2	31	1	859	9861	
				OFF	2	2	25	97	54E	735152	762848	12	2	31	52	9	3	9112
183	4	1	17	ON	2	58	38	53	43E	697817	722472	12	3	47	1	721	13621	
				OFF	2	55	48	56	13E	693828	719163	12	3	47	46	732	13666	
183	4	2	17	ON	2	52	1	59	7E	698112	715387	12	3	48	48	745	13728	
				OFF	2	49	13	68	53E	687956	713869	12	3	49	33	753	13773	
183	4	3	46	ON	2	31	14	68	29E	686718	711775	12	3	54	17	828	14857	
				OFF	2	23	28	78	38E	693586	718827	12	3	56	16	838	14176	
184	8	1	185	ON	2	38	29	46	2E	687165	712247	12	5	24	8	828	19448	
				OFF	2	12	28	58	34E	711511	737512	12	5	28	46	851	19726	
185	3	1	18	ON	2	59	32	7	22E	698884	723497	12	6	46	8	715	24368	
				OFF	2	56	49	18	4E	694656	728822	12	6	46	54	727	24414	
185	3	2	111	ON	2	22	48	25	33E	694658	728814	12	6	55	58	838	24958	
				OFF	2	3	32	29	47E	732989	759882	12	7	8	42	859	25242	
186	5	1	48	ON	2	21	44	3	9E	696829	721445	12	8	25	47	838	38347	
				OFF	2	13	27	5	4E	789758	735693	12	8	27	54	848	38474	
118	9	1	19	ON	2	39	25	92	46W	684668	789648	12	14	28	2	8	8	51682
				OFF	2	36	11	91	33W	685162	718169	12	14	28	52	814	51652	
111	1	8	14	ON	2	37	47	114	46W	684936	789934	12	15	58	9	811	57889	
				OFF	2	35	22	113	53W	685548	718578	12	15	58	47	815	57847	
117	3	1	57	ON	2	58	39	183	15E	688329	713456	13	8	44	57	737	2697	
				OFF	2	41	22	188	3E	685292	718384	13	8	47	24	759	2844	
117	3	2	43	ON	2	35	44	118	13E	686264	711312	13	8	48	52	8	9	2932
				OFF	2	28	38	112	29E	698844	716865	13	8	58	44	828	3844	
118	4	1	28	ON	2	51	2	88	23E	688553	713688	13	2	14	33	736	8873	
				OFF	2	47	49	82	19E	686832	711982	13	2	15	24	744	8124	
118	4	2	79	ON	2	38	31	86	35E	685626	718658	13	2	17	58	8	4	8278
				OFF	2	25	21	98	44E	694292	719643	13	2	21	13	824	8473	
119	5	1	17	ON	2	46	34	68	22E	686379	711433	13	3	45	25	746	13525	
				OFF	2	43	58	61	43E	685679	718786	13	3	46	8	753	13568	
119	5	2	68	ON	2	38	39	66	37E	689455	714623	13	3	49	33	816	13773	
				OFF	2	28	26	69	21E	781148	726749	13	3	52	18	829	13938	
128	9	1	53	ON	2	37	4	41	52E	686233	711288	13	5	17	36	8	5	19856
				OFF	2	28	18	44	48E	691654	716985	13	5	19	51	818	19191	
128	9	2	35	ON	2	18	46	48	55E	719933	746253	13	5	24	19	848	19459	
				OFF	2	4	28	58	13E	735823	762744	13	5	25	55	846	19555	
121	9	1	37	ON	2	28	37	21	58E	691581	716838	13	6	49	28	817	24568	
				OFF	2	22	22	23	38E	698831	724353	13	6	51	4	825	24664	
121	9	2	92	ON	2	28	42	24	2E	781281	726896	13	6	51	29	827	24689	
				OFF	2	4	29	27	36E	736157	763891	13	6	55	37	846	24937	
122	4	1	53	ON	2	22	48	8	56E	698687	724283	13	8	28	48	824	38848	
				OFF	2	13	27	3	5E	714714	748836	13	8	23	1	835	38181	
127	5	1	28	ON	2	37	31	116	38W	686973	712848	13	15	45	17	758	56717	
				OFF	2	34	14	115	29W	688466	713598	13	15	46	8	8	4	56768
133	4	1	17	ON	2	57	2	96	25E	692167	717439	14	8	38	11	7	3	2291
				OFF	2	54	28	98	43E	698121	715316	14	8	38	56	713	2336	
133	4	2	64	ON	2	58	31	181	23E	687992	713187	14	8	39	58	725	2398	

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133	4	3	19	OFF	2	48	14	186	34E	686761	711828	14	8	42	41	748	2561	
				ON	2	21	37	112	21E	782988	728576	14	8	47	27	816	2847	
				OFF	2	18	21	113	8E	788389	734272	14	8	48	17	828	2897	
134	5	1	26	ON	2	51	27	78	9E	688481	713538	14	2	9	23	722	7763	
				OFF	2	47	11	88	42E	686874	711946	14	2	18	31	733	7831	
134	5	2	79	ON	2	37	29	85	8E	687785	712888	14	2	13	4	753	7984	
				OFF	2	24	17	89	3E	699273	724812	14	2	16	28	812	8188	
135	8	1	39	ON	2	29	59	64	52E	692928	718219	14	3	44	48	8	4	13488
				OFF	2	23	17	66	42E	788895	726495	14	3	46	23	813	13583	
136	8	8	14	ON	1	38	31	189	58W	828629	859884	14	4	47	37	2128	17257	
				OFF	1	41	29	188	39W	828946	851188	14	4	48	24	2133	17384	
136	8	1	82	ON	2	37	8	39	57E	688147	713266	14	5	12	33	752	18753	
				OFF	2	23	18	44	4E	781184	726712	14	5	16	4	812	18964	
137	7	1	97	ON	2	21	39	21	52E	783847	729558	14	6	46	9	813	24369	
				OFF	2	4	27	25	48E	742819	769176	14	6	58	32	833	24632	
141	6	1	68	ON	3	18	51	59	52W	827172	857571	14	12	55	11	855	46511	
				OFF	3	31	25	56	32W	882536	915857	14	12	58	26	912	46786	
143	6	1	19	ON	2	35	58	118	8W	689661	714838	14	15	48	31	748	56431	
				OFF	2	32	42	116	54W	691988	717244	14	15	41	22	753	56482	
148	8	1	65	ON	3	16	55	141	21E	822385	852688	14	23	22	22	847	84142	
				OFF	3	38	27	144	58E	881271	913743	14	23	25	52	9	5	84352
148	8	2	17	ON	3	48	11	148	12E	925791	959979	14	23	28	25	921	84585	
				OFF	3	43	56	149	49E	942877	977725	14	23	29	25	928	84565	
149	8	1	36	ON	2	24	29	189	44E	782838	728512	15	8	41	28	8	8	2488
				OFF	2	18	14	111	16E	713376	739448	15	8	43	4	8	8	2584
149	8	2	78	ON	3	19	58	119	24E	835818	865788	15	8	52	47	858	3167	
				OFF	3	34	27	123	29E	899981	933891	15	8	56	35	918	3395	
158	5	1	27	ON	2	63	58	63	34E	697884	722543	15	2	8	35	614	7235	
				OFF	2	59	54	68	59E	693233	718545	15	2	1	47	637	7387	
158	5	2	26	ON	2	51	25	76	17E	688469	713681	15	2	4	7	7	9	7447
				OFF	2	47	13	78	48E	687688	712782	15	2	5	14	728	7514	
158	5	3	45	ON	2	31	34	85	6E	694533	719893	15	2	9	18	749	7758	
				OFF	2	23	51	87	17E	784865	729785	15	2	11	17	8	8	7877
151	4	1	31	ON	2	29	35	63	5E	696843	722298	15	3	39	29	751	13169	
				OFF	2	24	18	64	33E	783688	729394	15	3	48	58	759	13258	
152	7	1	76	ON	2	28	32	48	46E	698293	723795	15	5	9	25	752	18565	
				OFF	2	15	23	44	4E	728211	746542	15	5	12	47	8	9	18767
153	5	1	31	ON	2	28	42	18	7E	698363	723867	15	6	39	2	751	23942	
				OFF	2	23	25	19	32E	785638	731489	15	6	48	23	758	24823	
153	5	2	41	ON	2	28	47	28	12E	718818	735955	15	6	41	3	8	1	24863
				OFF	2	13	28	21	53E	724889	751313	15	6	42	55	818	24175	
154	4	1	65	ON	2	24	46	3	25W	783874	729586	15	8	9	42	756	29382	
				OFF	2	13	28	8	43W	725158	751675	15	8	12	35	8	9	29555
157	6	1	72	ON	3	6	57	64	28W	787681	816498	15	12	46	45	829	46885	
				OFF	3	21	24	61	8W	845328	876422	15	12	58	28	845	46228	
158	6	1	22	ON	3	49	29	73	23W	971561	1887519	15	14	27	31	933	52851	
				OFF	3	54	18	78	6W	992484	1829172	15	14	28	51	948	52131	
159	6	1	18	ON	2	33	44	119	6W	694531	719892	15	15	35	41	739	56141	
				OFF	2	38	59	118	14W	697248	722782	15	15	36	23	743	56183	
161	5	1	27	ON	2	73	34	143	58E	718323	736282	15	18	23	14	358	66194	
				OFF	2	71	1	157	34E	784735	738482	15	18	24	27	454	66267	

ULUL

UNIT

161 5 2 49 ON 2 66 7 171 NE 697996 723488 15 18 26 18 558 66378
OFF 2 58 58 178 37W 691818 717877 15 18 28 28 633 66588

OPERATIONS SUMMARY

AFT	PAN	CAMERA	NUMBER	142	OPN	NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM
79	7	1	4	ON	2	31	34	188	36W	682194	787888	18	16	1	14	846	57674	
				OFF	2	38	53	188	23W	682463	787368	18	16	1	24	847	57684	
81	8	8	5	ON	2	59	38	169	32W	699598	725142	18	18	53	14	735	67994	
				OFF	2	58	8	168	7W	697582	722975	18	18	53	37	741	68817	
84	3	1	53	ON	2	72	5	94	48E	726338	752894	18	23	18	17	537	83897	
				OFF	2	65	21	114	21E	789289	735125	18	23	28	42	658	84842	
84	3	2	39	ON	2	57	27	124	39E	695855	721267	18	23	23	8	741	84188	
				OFF	2	51	16	129	38E	688494	713627	18	23	24	41	8	2	84281
84	3	3	17	ON	2	45	8	133	3E	683624	788573	18	23	26	21	818	84381	
				OFF	2	42	12	134	21E	682318	787217	18	23	27	5	824	84425	
86	1	1	21	ON	2	64	55	69	51E	787736	733596	11	2	28	17	659	8417	
				OFF	2	61	48	74	32E	782893	727748	11	2	21	13	719	8473	
86	1	2	48	ON	2	54	59	81	32E	692261	717536	11	2	23	8	749	8588	
				OFF	2	48	44	85	49E	685988	711818	11	2	24	49	8	8	8689
86	1	3	28	ON	2	43	8	88	44E	682542	787458	11	2	26	19	821	8779	
				OFF	2	39	41	98	8E	681685	786477	11	2	27	11	827	8831	
86	1	4	62	ON	2	36	32	91	19E	681456	786323	11	2	28	8	833	8888	
				OFF	2	26	19	94	29E	686188	711233	11	2	38	37	848	9837	
86	1	5	18	ON	2	8	31	188	17E	735931	762857	11	2	37	13	918	9433	
				OFF	3	2	48	188	58E	746281	773599	11	2	38	4	921	9484	
87	7	1	28	ON	2	47	55	63	39E	685268	718271	11	3	54	45	8	9	14885
				OFF	2	44	43	65	18E	683276	788212	11	3	55	36	816	14136	
87	7	2	26	ON	2	33	38	69	43E	682888	786978	11	3	58	38	837	14318	
				OFF	2	29	15	71	2E	684182	789869	11	3	59	36	843	14376	
87	7	3	66	ON	2	25	34	72	3E	687828	712896	11	4	8	32	848	14432	
				OFF	2	14	23	74	45E	782664	728331	11	4	3	23	9	2	14683
89	8	8	13	ON	1	37	16	127	8W	863155	894932	11	6	31	49	22	3	23589
				OFF	1	48	14	125	52W	854998	886463	11	6	32	36	22	9	23556
89	8	1	53	ON	2	16	41	28	58E	699888	724611	11	7	2	15	858	25335	
				OFF	2	7	28	38	58E	718154	744486	11	7	4	36	9	8	25476
89	8	2	58	ON	3	8	4	32	31E	738851	765887	11	7	6	31	916	25591	
				OFF	3	9	22	34	25E	778212	798439	11	7	8	54	926	25734	
98	7	1	58	ON	3	16	48	13	25E	799884	829157	11	8	48	32	934	31232	
				OFF	3	28	14	16	17E	858868	881343	11	8	43	38	948	31418	
94	3	1	17	ON	2	48	29	91	13W	682369	787271	11	14	24	43	819	51883	
				OFF	2	37	42	98	8W	682284	787183	11	14	25	26	824	51926	
94	3	2	47	ON	3	34	23	72	28W	881112	913579	11	14	43	58	954	53838	
				OFF	3	44	5	68	31W	927545	961881	11	14	46	33	1812	53193	
95	3	1	19	ON	2	34	34	111	39W	683599	788547	11	15	55	57	829	57357	
				OFF	2	31	18	118	36W	685831	718833	11	15	56	47	834	57487	
181	8	1	23	ON	3	6	6	122	11E	765161	793196	12	1	4	37	913	3877	
				OFF	3	18	32	123	7E	781346	889996	12	1	5	45	918	3945	
181	8	2	48	ON	3	14	54	124	4E	798426	827727	12	1	6	53	923	4813	
				OFF	3	24	21	126	19E	838651	869489	12	1	9	28	934	4168	

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182 7 1	39 ON	2 48 24	83 55E	686923	711996	12 2 28 18	756	8418
	OFF	2 42 9	87 2E	684586	789571	12 2 21 57	818	8517
182 7 2	81 ON	2 39 25	88 18E	684485	789384	12 2 22 48	815	8568
	OFF	2 26 16	92 26E	691193	716427	12 2 26 3	835	8763
182 7 3	19 ON	2 6 47	96 56E	726183	752739	12 2 31 1	858	9861
	OFF	2 3 28	97 37E	735152	762848	12 2 31 52	9 2	9112
183 4 1	17 ON	2 59 23	52 43E	697817	722472	12 3 47 1	717	13621
	OFF	2 56 43	55 22E	693828	719163	12 3 47 46	729	13666
183 4 2	17 ON	2 52 56	58 24E	698112	715387	12 3 48 48	742	13728
	OFF	2 58 9	68 16E	687956	713869	12 3 49 33	758	13773
183 4 3	46 ON	2 32 2	68 7E	686718	711775	12 3 54 17	826	14857
	OFF	2 24 18	78 19E	693586	718827	12 3 56 16	837	14176
184 8 1	188 ON	2 31 27	45 41E	687165	712247	12 5 24 8	826	19448
	OFF	2 13 21	58 17E	711511	737512	12 5 28 46	849	19726
185 3 1	17 ON	2 68 25	6 18E	698884	723497	12 6 46 8	711	24368
	OFF	2 57 43	9 18E	694656	728822	12 6 46 54	723	24414
185 3 2	111 ON	2 23 39	25 14E	694658	728814	12 6 55 58	836	24958
	OFF	2 4 34	29 38E	732989	759882	12 7 8 42	858	25242
186 5 1	49 ON	2 22 43	2 51E	696829	721445	12 8 25 47	837	38347
	OFF	2 14 27	4 47E	789758	735693	12 8 27 54	847	38474
118 9 1	28 ON	2 48 22	93 12W	684668	789648	12 14 28 2	8 7	51682
	OFF	2 37 8	91 58W	685162	718169	12 14 28 52	813	51652
111 1 8	15 ON	2 38 44	115 11W	684936	789934	12 15 58 9	8 9	57889
	OFF	2 36 19	114 17W	685548	718578	12 15 58 47	813	57847
117 3 1	58 ON	2 51 35	182 35E	688329	713456	13 8 44 57	735	2697
	OFF	2 42 19	187 35E	685292	718384	13 8 47 24	757	2844
117 3 2	44 ON	2 36 41	189 49E	686264	711312	13 8 48 52	8 8	2932
	OFF	2 29 28	112 9E	698844	716865	13 8 58 44	819	3844
118 4 1	28 ON	2 51 57	79 43E	688553	713688	13 2 14 33	733	8873
	OFF	2 48 45	81 43E	686832	711982	13 2 15 24	742	8124
118 4 2	88 ON	2 39 28	86 9E	685626	718658	13 2 17 58	8 2	8278
	OFF	2 26 19	98 24E	694292	719643	13 2 21 13	822	8473
119 5 1	17 ON	2 47 31	59 48E	686379	711433	13 3 45 25	744	13525
	OFF	2 44 46	61 12E	685679	718786	13 3 46 8	751	13568
119 5 2	61 ON	2 31 37	66 15E	689455	714623	13 3 49 33	814	13773
	OFF	2 21 25	69 3E	781148	726749	13 3 52 18	828	13938
128 9 1	54 ON	2 38 1	41 27E	686233	711288	13 5 17 36	8 3	19856
	OFF	2 29 17	44 28E	691654	716985	13 5 19 51	817	19191
128 9 2	35 ON	2 11 47	48 38E	719933	746253	13 5 24 19	838	19459
	OFF	2 5 31	49 56E	735823	762744	13 5 25 55	845	19555
121 9 1	37 ON	2 29 35	21 37E	691581	716838	13 6 49 28	815	24568
	OFF	2 23 21	23 19E	698831	724353	13 6 51 4	824	24664
121 9 2	94 ON	2 21 41	23 44E	781281	726896	13 6 51 29	826	24689
	OFF	2 5 32	27 19E	736157	763891	13 6 55 37	844	24937
122 4 1	54 ON	2 23 39	8 37E	698687	724283	13 8 28 48	823	38848
	OFF	2 14 28	2 48E	714714	748836	13 8 23 1	834	38181
127 8 1	28 ON	2 38 28	117 3W	686973	712848	13 15 45 17	757	56717
	OFF	2 35 11	115 52W	688466	713598	13 15 46 8	8 2	56768
133 4 1	17 ON	2 57 56	95 38E	692167	717439	14 8 38 11	7 8	2291
	OFF	2 55 14	97 55E	698121	715316	14 8 38 56	718	2336
133 4 2	65 ON	2 51 26	188 43E	687992	713187	14 8 39 58	722	2398

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		OFF	2	41	11	186	7E	686761	711828	14	8	42	41	747	2561			
133	4	3	19	ON	2	22	37	112	2E	782988	728576	14	8	47	27	815	2847	
		OFF	2	19	21	112	58E	788389	734272	14	8	48	17	819	2897			
134	5	1	27	ON	2	52	22	77	28E	688481	713538	14	2	9	23	719	7763	
		OFF	2	48	7	88	8E	686874	711946	14	2	18	31	731	7831			
134	5	2	79	ON	2	38	27	84	35E	687785	712888	14	2	13	4	751	7984	
		OFF	2	25	16	88	44E	699273	724812	14	2	16	28	811	8188			
135	8	1	48	ON	2	38	57	64	38E	692928	718219	14	3	44	48	8	2	13488
		OFF	2	24	16	66	23E	788895	726495	14	3	46	23	811	13583			
136	8	8	14	ON	1	37	22	118	21W	828629	859884	14	4	47	37	2126	17257	
		OFF	1	48	21	189	11W	828946	851188	14	4	48	24	2131	17384			
136	8	1	83	ON	2	37	57	39	32E	688147	713266	14	5	12	33	758	18753	
		OFF	2	24	17	43	45E	781184	726712	14	5	16	4	811	18964			
137	7	1	99	ON	2	22	38	21	33E	783847	729558	14	6	46	9	812	24369	
		OFF	2	5	38	25	23E	742819	769176	14	6	58	32	832	24632			
141	6	1	61	ON	3	17	48	68	13W	827172	857571	14	12	55	11	854	46511	
		OFF	3	38	18	56	59W	882536	915857	14	12	58	26	918	46786			
143	6	1	28	ON	2	36	56	118	24W	689661	714838	14	15	48	31	746	56431	
		OFF	2	33	48	117	17W	691988	717244	14	15	41	22	752	56482			
148	8	1	66	ON	3	15	46	141	8E	822385	852688	14	23	22	22	846	84142	
		OFF	3	29	13	144	24E	881271	913743	14	23	25	52	9	3	84352		
148	8	2	18	ON	3	38	54	147	37E	925791	959979	14	23	28	25	918	84585	
		OFF	3	42	38	149	9E	942877	977725	14	23	29	25	926	84565			
149	8	1	36	ON	2	25	29	189	24E	782838	728512	15	8	41	28	759	2488	
		OFF	2	19	15	118	58E	713376	739448	15	8	43	4	8	6	2584		
149	8	2	71	ON	3	18	39	119	3E	835818	865788	15	8	52	47	849	3167	
		OFF	3	33	11	122	59E	899981	983891	15	8	56	35	9	8	3395		
150	5	1	28	ON	2	64	47	62	9E	697884	722543	15	2	8	35	6	9	7235
		OFF	2	68	46	67	55E	693233	718545	15	2	1	47	633	7387			
150	5	2	26	ON	2	52	21	75	36E	688469	713681	15	2	4	7	7	6	7447
		OFF	2	48	9	78	13E	687688	712782	15	2	5	14	718	7514			
150	5	3	46	ON	2	32	33	84	44E	694533	719893	15	2	9	18	748	7758	
		OFF	2	24	51	86	57E	784865	729785	15	2	11	17	759	7877			
151	4	1	31	ON	2	38	33	62	44E	696843	722298	15	3	39	29	758	13169	
		OFF	2	25	18	64	13E	783688	729394	15	3	48	58	757	13258			
152	7	1	77	ON	2	29	31	48	26E	698293	723795	15	5	9	25	751	18565	
		OFF	2	16	24	43	46E	728211	746542	15	5	12	47	8	7	18767		
153	5	1	31	ON	2	29	41	17	46E	698363	723867	15	6	39	2	758	23942	
		OFF	2	24	25	19	13E	785638	731489	15	6	48	23	757	24823			
153	5	2	42	ON	2	21	47	19	53E	718818	735955	15	6	41	3	8	8	24863
		OFF	2	14	29	21	35E	724889	751313	15	6	42	55	8	9	24175		
154	4	1	65	ON	2	25	45	3	44W	783874	729586	15	8	9	42	754	29382	
		OFF	2	14	38	1	1W	725158	751675	15	8	12	35	8	8	29555		
157	6	1	72	ON	3	5	49	64	39W	787681	816498	15	12	46	45	828	46885	
		OFF	3	28	12	61	38W	845328	876422	15	12	58	28	844	46228			
158	6	1	23	ON	3	48	18	74	14W	971561	1887519	15	14	27	31	938	52851	
		OFF	3	52	59	71	11W	992484	1829172	15	14	28	51	944	52131			
159	6	1	16	ON	2	34	42	119	29W	694531	719892	15	15	35	41	737	56141	
		OFF	2	31	58	118	36W	697248	722782	15	15	36	23	741	56183			
161	5	1	27	ON	2	73	58	148	23E	718323	736282	15	18	23	14	344	66194	
		OFF	2	71	38	154	57E	784735	738482	15	18	24	27	444	66267			

SECRET

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161 5 2 58 ON 2 66 54 169 19E 697996 723488 15 18 26 18 543 66378
 OFF 2 59 43 179 38W 691818 717877 15 18 28 28 629 66588

PHOTOGRAPHIC SUMMARY

FWD PAN	CAMERA NO	127	0.1758	SLIT	W/21	FILTER	3484	FILM			
OPN NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI		
79 7 1	4	18.6	ON 333	33.3	-39.8	12.23	12.66	12.86	11.46		
			OFF 332	33.8	-39.3	12.23	12.67	12.87	11.47		
81 8 8	5	13.2	ON 228	8.2	-32.8	11.69	11.54	18.94	18.34		
			OFF 228	9.5	-32.2	11.69	11.69	11.89	18.49		
84 3 1	53	148.2	ON 389	-6.3	-31.5	12.12	8.88	8.88	8.88		
			OFF 328	1.9	-32.8	12.17	18.59	9.99	9.39		
84 3 2	39	183.2	ON 328	9.8	-32.8	12.21	11.72	11.12	18.52		
			OFF 332	15.6	-33.8	12.23	12.18	11.58	18.98		
84 3 3	17	45.8	ON 334	21.2	-35.2	12.24	12.43	11.83	11.23		
			OFF 335	23.6	-35.9	12.24	12.58	11.98	11.38		
86 1 1	21	55.5	ON 321	2.2	-32.3	12.18	18.64	18.84	9.44		
			OFF 325	5.4	-32.6	12.19	11.17	18.57	9.97		
86 1 2	39	183.2	ON 338	11.9	-33.5	12.22	11.91	11.31	18.71		
			OFF 333	17.6	-34.6	12.23	12.29	11.69	11.89		
86 1 3	28	52.9	ON 335	22.6	-36.8	12.24	12.48	11.88	11.28		
			OFF 334	25.5	-37.8	12.24	12.55	11.95	11.35		
86 1 4	61	161.3	ON 334	28.1	-38.8	12.24	12.68	12.88	11.48		
			OFF 329	36.3	-42.5	12.21	12.69	12.89	11.49		
86 1 5	18	47.6	ON 388	52.8	-64.3	12.88	12.75	12.15	11.55		
			OFF 295	54.1	-68.6	12.86	12.75	12.15	11.55		
87 7 1	19	58.3	ON 334	18.2	-34.9	12.23	12.32	11.72	11.12		
			OFF 334	21.8	-35.7	12.24	12.43	11.83	11.23		
87 7 2	25	66.1	ON 333	38.4	-39.3	12.23	12.63	12.83	11.43		
			OFF 331	33.8	-41.1	12.22	12.67	12.87	11.47		
87 7 3	64	169.3	ON 328	36.7	-43.8	12.21	12.69	12.89	11.49		
			OFF 318	44.7	-58.4	12.17	12.74	12.14	11.54		
89 8 8	13	34.4	ON 238	-51.2	298.6	11.75	8.88	8.88	8.88		
			OFF 248	-49.6	381.9	11.76	8.88	8.88	8.88		
89 8 1	52	137.5	ON 326	42.8	-48.8	12.28	12.73	12.13	11.53		
			OFF 316	48.6	-56.7	12.16	12.75	12.15	11.55		
89 8 2	58	132.3	ON 386	52.4	-65.8	12.11	12.75	12.15	11.55		
			OFF 292	55.5	-77.7	12.84	12.75	12.15	11.55		
98 7 1	57	158.8	ON 281	56.3	-89.8	11.99	12.75	12.15	11.55		
			OFF 268	54.6	-186.5	11.92	12.75	12.15	11.55		
94 3 1	16	42.3	ON 337	23.6	-37.9	12.25	12.51	11.91	11.31		
			OFF 337	25.9	-38.7	12.25	12.56	11.96	11.36		
94 3 2	46	121.7	ON 268	52.8	-113.7	11.88	12.75	12.15	11.55		
			OFF 258	46.9	-124.4	11.82	12.75	12.15	11.55		
95 3 1	19	58.3	ON 336	28.3	-48.8	12.24	12.68	12.88	11.48		
			OFF 335	38.9	-41.3	12.24	12.64	12.84	11.44		
181 8 1	23	68.8	ON 295	52.4	-72.4	12.86	12.75	12.15	11.55		
			OFF 288	53.5	-78.3	12.82	12.75	12.15	11.55		
181 8 2	47	124.3	ON 281	54.2	-84.5	11.99	12.75	12.15	11.55		
			OFF 271	54.8	-98.3	11.93	12.75	12.15	11.55		

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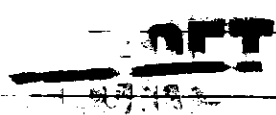
182 7 1	38	188.5	ON 335	15.8	-37.1	12.24	12.19	11.59	18.99
			OFF 336	21.1	-38.6	12.25	12.43	11.83	11.23
182 7 2	79	289.8	ON 337	23.3	-39.3	12.25	12.58	11.98	11.38
			OFF 332	33.6	-44.5	12.23	12.67	12.87	11.47
182 7 3	18	47.6	ON 313	46.5	-58.8	12.14	12.75	12.15	11.55
			OFF 389	48.2	-61.3	12.12	12.75	12.15	11.55
183 4 1	17	45.8	ON 328	5.8	-35.7	12.21	11.23	18.63	18.83
			OFF 338	8.3	-35.9	12.22	11.55	18.95	18.35
183 4 2	17	45.8	ON 333	11.7	-36.5	12.23	11.89	11.29	18.69
			OFF 334	14.1	-36.9	12.24	12.88	11.48	18.88
183 4 3	46	121.7	ON 335	29.1	-42.8	12.24	12.61	12.81	11.41
			OFF 331	34.9	-45.6	12.22	12.68	12.88	11.48
184 8 1	185	277.7	ON 336	29.4	-42.4	12.25	12.62	12.82	11.42
			OFF 322	42.2	-52.6	12.18	12.73	12.13	11.53
185 3 1	18	47.6	ON 329	4.6	-35.9	12.21	11.85	18.45	9.85
			OFF 331	7.1	-36.1	12.22	11.41	18.81	18.21
185 3 2	111	293.6	ON 332	35.8	-46.1	12.23	12.68	12.88	11.48
			OFF 311	47.1	-68.2	12.13	12.75	12.15	11.55
186 5 1	48	127.8	ON 331	35.5	-46.8	12.22	12.68	12.88	11.48
			OFF 323	41.1	-52.8	12.19	12.72	12.12	11.52
118 9 1	19	58.3	ON 338	21.4	-48.2	12.25	12.44	11.84	11.24
			OFF 338	23.9	-41.1	12.25	12.51	11.91	11.31
111 1 8	14	37.8	ON 338	22.5	-48.8	12.25	12.48	11.88	11.28
			OFF 338	24.4	-41.5	12.25	12.53	11.93	11.33
117 3 1	57	158.8	ON 336	11.1	-38.8	12.25	11.84	11.24	18.64
			OFF 338	18.7	-48.6	12.25	12.34	11.74	11.14
117 3 2	43	113.7	ON 338	23.2	-42.2	12.25	12.58	11.98	11.38
			OFF 334	28.7	-44.8	12.24	12.61	12.81	11.41
118 4 1	28	52.9	ON 336	18.6	-38.9	12.25	11.88	11.28	18.68
			OFF 337	13.3	-39.4	12.25	12.83	11.43	18.83
118 4 2	79	289.8	ON 338	28.9	-41.5	12.25	12.42	11.82	11.22
			OFF 332	38.9	-46.3	12.23	12.64	12.84	11.44
119 5 1	17	45.8	ON 338	14.2	-39.8	12.25	12.89	11.49	18.89
			OFF 338	16.5	-48.3	12.25	12.23	11.63	11.83
119 5 2	68	158.7	ON 335	26.8	-44.2	12.24	12.57	11.97	11.37
			OFF 328	34.1	-48.8	12.21	12.67	12.87	11.47
128 9 1	53	148.2	ON 348	21.7	-42.2	12.26	12.45	11.85	11.25
			OFF 336	28.4	-45.2	12.25	12.68	12.88	11.48
128 9 2	35	92.6	ON 319	48.1	-54.9	12.17	12.72	12.12	11.52
			OFF 311	43.7	-59.9	12.13	12.74	12.14	11.54
121 9 1	37	97.9	ON 336	28.8	-45.2	12.25	12.59	11.99	11.39
			OFF 332	32.4	-48.8	12.23	12.65	12.85	11.45
121 9 2	92	243.3	ON 338	33.6	-48.9	12.22	12.67	12.87	11.47
			OFF 311	43.5	-59.9	12.13	12.74	12.14	11.54
122 4 1	53	148.2	ON 332	32.1	-48.8	12.23	12.65	12.85	11.45
			OFF 323	38.1	-53.2	12.19	12.78	12.18	11.58
127 8 1	28	52.9	ON 348	28.3	-43.8	12.26	12.48	11.88	11.28
			OFF 339	22.8	-43.9	12.26	12.48	11.88	11.28
133 4 1	17	45.8	ON 336	3.6	-48.5	12.24	18.89	18.29	9.69
			OFF 337	5.9	-48.8	12.25	11.24	18.64	18.84
133 4 2	64	169.3	ON 339	9.1	-41.2	12.26	11.64	11.84	18.44

			OFF 348	17.3	-43.1	12.26	12.27	11.67	11.87		
133	4	3	19	58.3	ON 338	38.8	-49.5	12.22	12.64	12.84	11.44
			OFF 327	33.8	-51.2	12.28	12.66	12.86	11.46		
134	5	1	26	68.8	ON 339	8.2	-41.2	12.26	11.54	18.94	18.34
			OFF 348	11.6	-41.8	12.26	11.89	11.29	18.69		
134	5	2	79	289.8	ON 348	19.2	-43.9	12.26	12.36	11.76	11.16
			OFF 332	28.8	-48.4	12.23	12.61	12.81	11.41		
135	8	1	39	183.2	ON 336	24.6	-46.3	12.24	12.53	11.93	11.33
			OFF 331	29.3	-49.8	12.22	12.62	12.82	11.42		
136	8	8	14	37.8	ON 247	-46.6	286.4	11.88	8.88	8.88	8.88
			OFF 258	-45.6	289.6	11.82	8.88	8.88	8.88		
136	8	1	82	216.9	ON 337	19.3	-44.3	12.25	12.36	11.76	11.16
			OFF 328	29.1	-49.1	12.21	12.61	12.81	11.41		
137	7	1	97	256.6	ON 326	38.1	-49.9	12.28	12.63	12.83	11.43
			OFF 386	48.4	-68.4	12.11	12.72	12.12	11.52		
141	6	1	68	158.7	ON 273	47.4	-82.8	11.94	12.75	12.15	11.55
			OFF 259	47.4	-97.3	11.87	12.75	12.15	11.55		
143	6	1	19	58.3	ON 336	18.9	-45.4	12.24	12.35	11.75	11.15
			OFF 334	21.3	-46.3	12.24	12.44	11.84	11.24		
148	8	1	65	171.9	ON 274	45.9	-79.9	11.95	12.75	12.15	11.55
			OFF 259	46.5	-94.8	11.87	12.75	12.15	11.55		
148	8	2	17	45.8	ON 249	44.8	-185.3	11.81	12.74	12.14	11.54
			OFF 246	43.6	-189.8	11.79	12.74	12.14	11.54		
149	8	1	36	95.2	ON 328	26.8	-49.8	12.21	12.56	11.96	11.36
			OFF 322	38.1	-52.5	12.18	12.63	12.83	11.43		
149	8	2	78	185.1	ON 278	46.1	-82.9	11.93	12.75	12.15	11.55
			OFF 255	45.9	-99.8	11.84	12.75	12.15	11.55		
158	5	1	27	71.4	ON 329	-4.4	-43.8	12.21	8.88	8.88	8.88
			OFF 332	-8.8	-43.1	12.23	8.88	8.88	8.88		
158	5	2	26	68.8	ON 337	6.1	-43.6	12.25	11.27	18.67	18.87
			OFF 338	9.4	-44.1	12.25	11.67	11.87	18.47		
158	5	3	45	119.8	ON 333	21.8	-47.5	12.23	12.43	11.83	11.23
			OFF 327	26.3	-58.2	12.21	12.56	11.96	11.36		
151	4	1	31	82.8	ON 332	22.2	-48.2	12.23	12.47	11.87	11.27
			OFF 327	25.8	-58.1	12.21	12.56	11.96	11.36		
152	7	1	76	281.8	ON 332	22.8	-48.6	12.23	12.48	11.88	11.28
			OFF 318	31.3	-54.2	12.17	12.64	12.84	11.44		
153	5	1	31	82.8	ON 332	22.5	-48.7	12.23	12.47	11.87	11.27
			OFF 327	26.8	-58.6	12.21	12.56	11.96	11.36		
153	5	2	41	188.4	ON 324	27.8	-51.7	12.19	12.59	11.99	11.39
			OFF 316	32.3	-55.3	12.16	12.65	12.85	11.45		
154	4	1	65	171.9	ON 328	25.8	-58.2	12.21	12.54	11.94	11.34
			OFF 316	32.1	-55.3	12.15	12.65	12.85	11.45		
157	6	1	72	198.4	ON 285	41.4	-69.6	12.81	12.73	12.13	11.53
			OFF 268	44.9	-83.5	11.92	12.74	12.14	11.54		
158	6	1	22	58.2	ON 241	48.7	-111.8	11.76	12.72	12.12	11.52
			OFF 238	38.6	-116.8	11.75	12.71	12.11	11.51		
159	6	1	16	42.3	ON 334	18.8	-47.9	12.24	12.38	11.78	11.18
			OFF 333	19.9	-48.6	12.23	12.39	11.79	11.19		
161	5	1	27	71.4	ON 314	-15.7	-45.8	12.15	8.88	8.88	8.88
			OFF 328	-12.3	-45.4	12.17	8.88	8.88	8.88		

161 5 2 49 129.6 ON 327 -7.4 -45.8 12.21 8.88 8.88 8.88
 OFF 334 -1.2 -44.8 12.24 8.88 8.88 8.88

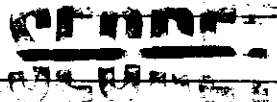
PHOTOGRAPHIC SUMMARY

AFT PAN CAMERA NO		142	0.1758	SLIT	W/21	FILTER	3484 FILM		
OPN NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI
79 7 1	4	18.6	ON 336	32.4	-38.8	12.24	12.65	12.85	11.45
			OFF 336	33.8	-39.1	12.24	12.66	12.86	11.46
81 8 8	5	13.2	ON 231	7.3	-32.9	11.71	11.43	18.83	18.23
			OFF 231	8.6	-33.8	11.71	11.59	18.99	18.39
84 3 1	53	148.2	ON 312	-7.2	-34.3	12.14	8.88	8.88	8.88
			OFF 323	1.8	-33.4	12.19	18.42	9.82	9.22
84 3 2	39	183.2	ON 332	9.8	-33.5	12.23	11.63	11.83	18.43
			OFF 336	14.7	-34.2	12.24	12.12	11.52	18.92
84 3 3	17	45.8	ON 338	28.3	-35.4	12.25	12.48	11.88	11.28
			OFF 338	22.7	-36.8	12.25	12.48	11.88	11.28
86 1 1	21	55.5	ON 325	1.3	-33.7	12.19	18.47	9.87	9.27
			OFF 328	4.5	-33.7	12.21	11.83	18.43	9.83
86 1 2	48	185.8	ON 334	11.8	-34.1	12.23	11.84	11.24	18.64
			OFF 337	16.7	-34.9	12.25	12.24	11.64	11.84
86 1 3	28	52.9	ON 338	21.8	-36.1	12.25	12.45	11.85	11.25
			OFF 338	24.6	-37.8	12.25	12.53	11.93	11.33
86 1 4	62	164.8	ON 337	27.3	-38.8	12.25	12.58	11.98	11.38
			OFF 332	35.5	-42.1	12.23	12.68	12.88	11.48
86 1 5	18	47.6	ON 383	52.2	-63.8	12.18	12.75	12.15	11.55
			OFF 299	53.7	-67.2	12.87	12.75	12.15	11.55
87 7 1	28	52.9	ON 337	17.3	-35.2	12.25	12.27	11.67	11.87
			OFF 338	28.2	-35.9	12.25	12.48	11.88	11.28
87 7 2	26	68.8	ON 336	29.6	-39.2	12.25	12.62	12.82	11.42
			OFF 334	33.8	-48.9	12.24	12.66	12.86	11.46
87 7 3	66	174.6	ON 332	35.9	-42.7	12.23	12.69	12.89	11.49
			OFF 321	44.8	-49.7	12.18	12.74	12.14	11.54
89 8 8	13	34.4	ON 241	-51.7	296.8	11.77	8.88	8.88	8.88
			OFF 243	-58.2	388.2	11.78	8.88	8.88	8.88
89 8 1	53	148.2	ON 332	42.1	-48.2	12.23	12.73	12.13	11.53
			OFF 322	48.8	-55.8	12.18	12.75	12.15	11.55
89 8 2	58	132.3	ON 312	51.9	-63.8	12.14	12.75	12.15	11.55
			OFF 298	55.2	-76.1	12.87	12.75	12.15	11.55
98 7 1	58	153.4	ON 286	56.2	-87.1	12.81	12.75	12.15	11.55
			OFF 273	54.9	-184.5	11.95	12.75	12.15	11.55
94 3 1	17	45.8	ON 343	22.8	-37.9	12.27	12.48	11.88	11.28
			OFF 343	25.1	-38.7	12.27	12.54	11.94	11.34
94 3 2	47	124.3	ON 265	52.4	-111.7	11.98	12.75	12.15	11.55
			OFF 255	47.7	-122.6	11.85	12.75	12.15	11.55
95 3 1	19	58.3	ON 342	27.5	-39.9	12.27	12.59	11.99	11.39
			OFF 341	38.1	-41.1	12.27	12.63	12.83	11.43
181 8 1	23	68.8	ON 388	51.9	-71.8	12.88	12.75	12.15	11.55
			OFF 294	53.2	-76.7	12.85	12.75	12.15	11.55
181 8 2	48	127.8	ON 287	54.8	-82.8	12.82	12.75	12.15	11.55
			OFF 276	54.1	-96.4	11.96	12.75	12.15	11.55



 AFT

182 7 1	39	183.2	ON 341	14.9	-37.4	12.27	12.14	11.54	18.94
			OFF 343	28.2	-38.7	12.27	12.48	11.88	11.28
182 7 2	81	214.2	ON 343	22.5	-39.4	12.27	12.48	11.88	11.28
			OFF 338	32.9	-44.2	12.25	12.66	12.86	11.46
182 7 3	19	58.3	ON 319	45.8	-57.1	12.17	12.75	12.15	11.55
			OFF 315	47.6	-68.3	12.15	12.75	12.15	11.55
183 4 1	17	45.8	ON 334	5.8	-36.5	12.23	11.11	18.51	9.91
			OFF 336	7.4	-36.6	12.24	11.45	18.85	18.25
183 4 2	17	45.8	ON 339	18.8	-37.8	12.26	11.82	11.22	18.62
			OFF 348	13.3	-37.3	12.26	12.82	11.42	18.82
183 4 3	46	121.7	ON 341	28.3	-41.9	12.27	12.68	12.88	11.48
			OFF 337	34.1	-45.2	12.25	12.67	12.87	11.47
184 8 1	188	285.7	ON 342	28.6	-42.2	12.27	12.68	12.88	11.48
			OFF 328	41.5	-52.8	12.21	12.73	12.13	11.53
185 3 1	17	45.8	ON 335	3.8	-36.8	12.24	18.92	18.32	9.72
			OFF 337	6.3	-36.9	12.25	11.38	18.78	18.18
185 3 2	111	293.6	ON 338	34.3	-45.8	12.25	12.67	12.87	11.47
			OFF 317	46.5	-59.3	12.16	12.75	12.15	11.55
186 5 1	49	129.6	ON 337	34.8	-46.4	12.25	12.68	12.88	11.48
			OFF 329	48.4	-51.4	12.21	12.72	12.12	11.52
118 9 1	28	52.9	ON 344	28.5	-48.2	12.28	12.41	11.81	11.21
			OFF 344	23.1	-41.1	12.28	12.49	11.89	11.29
111 1 8	15	39.7	ON 344	21.7	-48.8	12.28	12.45	11.85	11.25
			OFF 344	23.6	-41.5	12.28	12.51	11.91	11.31
117 3 1	58	153.4	ON 342	18.2	-39.2	12.27	11.76	11.16	18.56
			OFF 344	17.9	-48.8	12.28	12.38	11.78	11.18
117 3 2	44	116.4	ON 344	22.4	-42.2	12.28	12.47	11.87	11.27
			OFF 341	28.8	-44.6	12.26	12.59	11.99	11.39
118 4 1	28	52.9	ON 342	9.8	-39.4	12.27	11.71	11.11	18.51
			OFF 343	12.5	-39.8	12.28	11.96	11.36	18.76
118 4 2	88	211.6	ON 344	28.1	-41.6	12.28	12.39	11.79	11.19
			OFF 338	38.1	-46.8	12.25	12.63	12.83	11.43
119 5 1	17	45.8	ON 344	13.4	-48.1	12.28	12.83	11.43	18.83
			OFF 344	15.7	-48.5	12.28	12.18	11.58	18.98
119 5 2	61	161.3	ON 342	26.8	-44.1	12.27	12.56	11.96	11.36
			OFF 334	33.4	-48.4	12.24	12.66	12.86	11.46
128 9 1	54	142.8	ON 344	28.9	-42.2	12.28	12.43	11.83	11.23
			OFF 348	27.6	-45.8	12.26	12.59	11.99	11.39
128 9 2	35	92.6	ON 323	39.5	-54.3	12.19	12.71	12.11	11.51
			OFF 315	43.1	-59.8	12.15	12.73	12.13	11.53
121 9 1	37	97.9	ON 348	27.2	-45.8	12.26	12.58	11.98	11.38
			OFF 336	31.7	-47.7	12.24	12.65	12.85	11.45
121 9 2	94	248.6	ON 334	32.9	-48.5	12.24	12.66	12.86	11.46
			OFF 315	42.8	-59.1	12.15	12.73	12.13	11.53
122 4 1	54	142.8	ON 336	31.3	-47.6	12.24	12.64	12.84	11.44
			OFF 326	37.4	-52.7	12.28	12.78	12.18	11.58
127 8 1	28	52.9	ON 344	19.5	-43.8	12.28	12.37	11.77	11.17
			OFF 343	22.8	-43.9	12.27	12.46	11.86	11.26
133 4 1	17	45.8	ON 348	2.8	-41.3	12.26	18.75	18.15	9.55
			OFF 341	5.1	-41.4	12.27	11.13	18.53	9.93
133 4 2	65	171.9	ON 343	8.3	-41.6	12.27	11.55	18.95	18.35



				OFF 344	16.5	-43.2	12.28	12.23	11.63	11.83
133	4	3	19	58.3 ON 333	38.1	-49.2	12.23	12.63	12.83	11.43
				OFF 338	32.3	-58.8	12.22	12.65	12.85	11.45
134	5	1	27	71.4 ON 343	7.4	-41.7	12.27	11.44	18.84	18.24
				OFF 344	18.9	-42.2	12.28	11.82	11.22	18.62
134	5	2	79	289.8 ON 343	18.4	-43.9	12.28	12.33	11.73	11.13
				OFF 336	28.1	-48.2	12.24	12.68	12.88	11.48
135	8	1	48	185.8 ON 348	23.9	-46.2	12.26	12.51	11.91	11.31
				OFF 335	28.6	-48.7	12.24	12.68	12.88	11.48
136	8	8	14	37.8 ON 251	-46.9	284.8	11.82	8.88	8.88	8.88
				OFF 253	-46.8	287.9	11.84	8.88	8.88	8.88
136	8	1	83	219.5 ON 342	18.5	-44.3	12.27	12.33	11.73	11.13
				OFF 334	28.4	-48.8	12.24	12.68	12.88	11.48
137	7	1	99	261.9 ON 332	29.4	-49.6	12.23	12.62	12.82	11.42
				OFF 311	39.7	-59.7	12.13	12.72	12.12	11.52
141	6	1	61	161.3 ON 278	47.2	-81.4	11.97	12.75	12.15	11.55
				OFF 264	47.5	-95.6	11.98	12.75	12.15	11.55
143	6	1	28	52.9 ON 341	18.2	-45.4	12.27	12.32	11.72	11.12
				OFF 348	28.6	-46.3	12.26	12.41	11.81	11.21
148	8	1	66	174.6 ON 279	45.6	-78.6	11.98	12.74	12.14	11.54
				OFF 264	46.6	-93.1	11.98	12.75	12.15	11.55
148	8	2	18	47.6 ON 254	45.1	-183.5	11.84	12.74	12.14	11.54
				OFF 251	44.8	-187.2	11.82	12.74	12.14	11.54
149	8	1	36	95.2 ON 333	25.3	-49.6	12.23	12.55	11.95	11.35
				OFF 327	29.4	-52.2	12.21	12.62	12.82	11.42
149	8	2	71	187.8 ON 275	45.9	-81.5	11.96	12.75	12.15	11.55
				OFF 259	46.8	-97.3	11.87	12.75	12.15	11.55
150	5	1	28	74.1 ON 335	-5.1	-44.4	12.24	8.88	8.88	8.88
				OFF 338	-1.6	-44.1	12.25	8.88	8.88	8.88
150	5	2	26	68.8 ON 343	5.3	-44.1	12.27	11.16	18.56	9.96
				OFF 343	8.6	-44.4	12.28	11.59	18.99	18.39
150	5	3	46	121.7 ON 339	28.2	-47.4	12.26	12.48	11.88	11.28
				OFF 333	25.6	-49.9	12.23	12.55	11.95	11.35
151	4	1	31	82.8 ON 337	21.5	-48.1	12.25	12.44	11.84	11.24
				OFF 333	25.1	-49.9	12.23	12.54	11.94	11.34
152	7	1	77	283.7 ON 335	22.8	-48.5	12.24	12.46	11.86	11.26
				OFF 321	38.6	-53.8	12.18	12.63	12.83	11.43
153	5	1	31	82.8 ON 335	21.7	-48.6	12.24	12.45	11.85	11.25
				OFF 338	25.3	-58.4	12.22	12.55	11.95	11.35
153	5	2	42	111.1 ON 327	27.1	-51.4	12.21	12.58	11.98	11.38
				OFF 319	31.6	-54.8	12.17	12.64	12.84	11.44
154	4	1	65	171.9 ON 331	24.3	-58.8	12.22	12.52	11.92	11.32
				OFF 319	31.4	-54.9	12.17	12.64	12.84	11.44
157	6	1	72	198.4 ON 288	48.9	-68.7	12.82	12.72	12.12	11.52
				OFF 271	44.7	-82.1	11.93	12.74	12.14	11.54
158	6	1	23	68.8 ON 244	41.2	-189.9	11.78	12.72	12.12	11.52
				OFF 248	39.2	-113.9	11.76	12.71	12.11	11.51
159	6	1	16	42.3 ON 337	17.2	-47.9	12.25	12.27	11.67	11.87
				OFF 336	19.1	-48.6	12.24	12.36	11.76	11.16
161	5	1	27	71.4 ON 317	-16.4	-49.5	12.16	8.88	8.88	8.88
				OFF 323	-13.8	-48.1	12.19	8.88	8.88	8.88

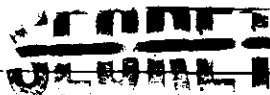
5g 132.3 ON 33g -8.2 -46.7 12.22 8.88 8.88 8.88
 OFF 337 -2.8 -45.8 12.25 8.88 8.88 8.88

STELLAR-INDEX SUMMARY

CAMERA DATA ET FILM FILTER GRID ASSEMBLY NO D78
 STELLAR 2.8 3481 NONE 88
 INDEX 1/500 3488 W/21 81

PERFORMANCE SUMMARY

OPN NO	FR	STEL FEET	INDX FEET	H	M	S	Q	ON LAT	ON LONG	Q	OFF LAT	OFF LONG	SEC DUR
79	7 1	0.18	0.28	16	1	14	2	38	188W	2	29	188W	18
84	3 1	0.79	1.58	23	18	17	2	71	97E	2	64	115E	145
84	3 2	0.58	0.99	23	23	8	2	56	125E	2	58	138E	181
84	3 3	0.38	0.59	23	26	21	2	44	133E	2	41	134E	44
86	1 1	0.38	0.59	2	28	17	2	64	71E	2	68	75E	56
86	1 2	0.58	0.99	2	23	8	2	54	82E	2	47	86E	181
86	1 3	0.38	0.59	2	26	19	2	42	89E	2	38	98E	52
86	1 4	0.89	1.78	2	28	8	2	35	91E	2	25	94E	157
86	1 5	0.38	0.59	2	37	13	2	8	188E	3	3	181E	51
87	7 1	0.28	0.48	3	54	45	2	46	64E	2	43	65E	51
87	7 2	0.48	0.79	3	58	38	2	32	78E	2	28	71E	66
87	7 3	0.89	1.78	4	8	32	2	24	72E	2	13	75E	171
89	8 8	0.28	0.48	6	31	49	1	38	126W	1	41	125W	47
89	8 1	0.69	1.39	7	2	15	2	15	29E	2	6	31E	141
89	8 2	0.69	1.39	7	6	31	3	1	32E	3	18	34E	143
98	7 1	0.89	1.78	8	48	32	3	17	13E	3	29	16E	178
94	3 1	0.28	0.48	14	24	43	2	39	98W	2	36	89W	43
94	3 2	0.59	1.19	14	43	58	3	35	71W	3	45	67W	155
95	3 1	0.38	0.59	15	55	57	2	33	111W	2	38	118W	58
181	8 1	0.38	0.59	1	4	37	3	7	122E	3	11	123E	68
181	8 2	0.69	1.39	1	6	53	3	16	124E	3	25	126E	147
182	7 1	0.59	1.19	2	28	18	2	47	84E	2	41	87E	99
182	7 2	1.89	2.18	2	22	48	2	38	88E	2	25	92E	283
182	7 3	0.28	0.48	2	31	1	2	5	97E	2	2	97E	51
183	4 1	0.38	0.59	3	47	1	2	58	53E	2	55	56E	45
183	4 2	0.28	0.48	3	48	48	2	52	59E	2	49	68E	45
183	4 3	0.69	1.39	3	54	17	2	31	68E	2	23	78E	119
184	8 1	1.48	2.97	5	24	8	2	38	46E	2	12	58E	278
185	3 1	0.28	0.48	6	46	8	2	59	7E	2	56	18E	46
185	3 2	1.58	3.17	6	55	58	2	22	25E	2	3	29E	292
186	5 1	0.69	1.39	8	25	47	2	21	3E	2	13	5E	127
118	9 1	0.38	0.59	14	28	2	2	39	92W	2	36	91W	58
111	1 8	0.28	0.48	15	58	9	2	37	114W	2	35	113W	38
117	3 1	0.79	1.58	8	44	57	2	58	183E	2	41	188E	147
117	3 2	0.59	1.19	8	48	52	2	35	118E	2	28	112E	112
118	4 1	0.38	0.59	2	14	33	2	51	88E	2	47	82E	51
118	4 2	1.89	2.18	2	17	58	2	38	86E	2	25	98E	283
119	5 1	0.38	0.59	3	45	25	2	46	68E	2	43	61E	43
119	5 2	0.79	1.58	3	49	33	2	38	66E	2	28	69E	157
128	9 1	0.79	1.58	5	17	36	2	37	41E	2	28	44E	135



121	9	1	5	8.58	8.99	5	24	19	2	18	48E	2	4	58E	96
121	9	1	5	8.58	8.99	6	49	28	2	28	21E	2	22	23E	96
121	9	2	13	1.29	2.57	6	51	29	2	28	24E	2	4	27E	248
122	4	1	8	8.79	1.58	8	28	48	2	22	8E	2	13	3E	141
127	8	1	3	8.38	8.59	15	45	17	2	37	116W	2	34	115W	51
133	4	1	2	8.28	8.48	8	38	11	2	57	96E	2	54	98E	45
133	4	2	9	8.89	1.78	8	39	58	2	58	181E	2	48	186E	163
133	4	3	3	8.38	8.59	8	47	27	2	21	112E	2	18	113E	58
134	5	1	4	8.48	8.79	2	9	23	2	51	78E	2	47	88E	68
134	5	2	11	1.89	2.18	2	13	4	2	37	85E	2	24	89E	284
135	8	1	6	8.59	1.19	3	44	48	2	29	64E	2	23	66E	183
136	8	8	2	8.28	8.48	4	47	37	1	38	189W	1	41	188W	47
136	8	1	11	1.89	2.18	5	12	33	2	37	39E	2	23	44E	211
137	7	1	14	1.39	2.77	6	46	9	2	21	21E	2	4	25E	263
141	6	1	9	8.89	1.78	12	55	11	3	18	59W	3	31	56W	195
143	6	1	2	8.28	8.48	15	48	31	2	35	118W	2	32	116W	51
148	8	1	18	8.99	1.98	23	22	22	3	16	141E	3	38	144E	218
148	8	2	2	8.28	8.48	23	28	25	3	48	148E	3	43	149E	68
149	8	1	5	8.58	8.99	8	41	28	2	24	189E	2	18	111E	96
149	8	2	18	8.99	1.98	8	52	47	3	19	119E	3	34	123E	228
158	5	1	4	8.48	8.79	2	8	35	2	63	63E	2	59	68E	72
158	5	2	4	8.48	8.79	2	4	7	2	51	76E	2	47	78E	67
158	5	3	6	8.59	1.19	2	9	18	2	31	85E	2	23	87E	119
151	4	1	5	8.58	8.99	3	39	29	2	29	63E	2	24	64E	81
152	7	1	11	1.89	2.18	5	9	25	2	28	48E	2	15	44E	282
153	5	1	4	8.48	8.79	6	39	2	2	28	18E	2	23	19E	81
153	5	2	6	8.59	1.19	6	41	3	2	28	28E	2	13	21E	112
154	4	1	9	8.89	1.78	8	9	42	2	24	3W	2	13	8W	173
157	6	1	18	8.99	1.98	12	46	45	3	6	64W	3	21	61W	223
158	6	1	4	8.48	8.79	14	27	31	3	49	73W	3	54	78W	88
159	6	1	2	8.28	8.48	15	35	41	2	33	119W	2	38	118W	42
161	5	1	4	8.48	8.79	18	23	14	2	73	143E	2	71	157E	73
161	5	2	7	8.69	1.39	18	26	18	2	66	171E	2	58	178W	138

NOTE - THE BALANCE OF OPERATION 879-87-1 IS CONTAINED IN THE A MISSION RECOVERY BUCKET.

NOTE - OPERATION 881-88-8 IS THE CUT AND WRAP OPERATION WHICH OCCURRED ON REV 881 AT THE TIME OF SEPARATION.

NOTE - DUE TO THE NECESSITY TO BIAS THE H-TIMER FOR RECOVERY OPERATIONS 159-86-1, 161-85-1, AND 161-85-2 DID NOT COVER THE PROGRAMMED LATITUDES.

NOTE - T/M DATA INDICATE ALL SYSTEMS OPERATED NORMALLY.

NOTE - MISSION 1825 IS BEING FLOWN WITH THE AGENA MOVING NOSE-FIRST THROUGH ORBIT INSTEAD OF THE USUAL TAIL-FIRST FLIGHT. AS A RESULT OF THIS CHANGE IN AGENA ORIENTATION THE FOLLOWING VARIATIONS IN NORMAL SYSTEM PARAMETERS SHOULD BE NOTED -

~~SECRET~~

- (1) AT THE DESCENDING NODE THE STELLAR CAMERA NOW LOOKS WESTWARD INSTEAD OF EASTWARD.
- (2) THE MASTER PAN CAMERA, INSTRUMENT 142, IS THE AFT LOOKING CAMERA AND THE SLAVE PAN CAMERA, INSTRUMENT 127, IS THE FORWARD LOOKING CAMERA.

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~~SECRET~~

A. 1025-2 LAUNCHED AT 1746Z ON 10/05/65

B. DRY

C. PERFORMANCE ESTIMATE - PART TWO

SECRET

RATE ESTIMATE

FWD PAN CAMERA NUMBER 127

OPN NO	FR	R	A	TUR/ DUR	INST CPS	INST ANG VEL	SCAN RATE R/SEC I/SEC	PCT RATE CALIB REOD
79	7	1	4	7	7 ON 2064	0.3865	0.83261 2.428 58.28	-3.8 -2.1
					OFF 18	0.3862	0.83259 2.427 58.24	-3.8 -2.2
81	8	8	5	7	7 ON 2064	0.2654	0.82239 1.667 48.82	-3.8 -44.8
					OFF 23	0.2654	0.82239 1.667 48.82	-3.8 -45.4
84	3	1	53	7	7 ON 1382	0.3591	0.83838 2.256 54.15	-3.8 -2.9
					OFF 145	0.3728	0.83139 2.337 56.18	-3.8 -1.9
84	3	2	39	7	7 ON 1665	0.3817	0.83221 2.398 57.56	-3.8 -1.3
					OFF 181	0.3861	0.83258 2.426 58.22	-3.8 -1.3
84	3	3	17	7	7 ON 1866	0.3885	0.83278 2.441 58.58	-3.8 -1.4
					OFF 44	0.3888	0.83281 2.443 58.63	-3.8 -1.5
86	1	1	21	7	7 ON 1548	0.3733	0.83158 2.345 56.29	-3.8 -1.8
					OFF 56	0.3772	0.83182 2.378 56.88	-3.8 -1.6
86	1	2	39	7	7 ON 1711	0.3848	0.83248 2.413 57.98	-3.8 -1.3
					OFF 181	0.3874	0.83269 2.434 58.42	-3.8 -1.3
86	1	3	28	7	7 ON 1983	0.3888	0.83288 2.443 58.63	-3.8 -1.5
					OFF 52	0.3887	0.83288 2.442 58.61	-3.8 -1.7
86	1	4	61	7	7 ON 2883	0.3888	0.83274 2.438 58.51	-3.8 -1.9
					OFF 157	0.3825	0.83228 2.484 57.69	-3.8 -2.5
86	1	5	18	7	7 ON 2556	0.3486	0.82942 2.198 52.57	-3.8 -4.4
					OFF 51	0.3432	0.82896 2.156 51.76	-3.8 -4.4
87	7	1	19	7	7 ON 1827	0.3878	0.83273 2.437 58.49	-3.8 -1.3
					OFF 51	0.3886	0.83279 2.442 58.68	-3.8 -1.4
87	7	2	25	7	7 ON 2852	0.3868	0.83264 2.431 58.33	-3.8 -2.1
					OFF 66	0.3846	0.83245 2.416 57.99	-3.8 -2.3
87	7	3	64	7	7 ON 2174	0.3817	0.83228 2.398 57.55	-3.8 -2.6
					OFF 171	0.3698	0.83128 2.323 55.76	-3.8 -3.4
89	8	8	13	7	7 ON 428	0.2766	0.82334 1.738 41.72	-3.8 -18.8
					OFF 47	0.2798	0.82354 1.753 42.87	-3.8 -11.8
89	8	1	52	7	7 ON 2254	0.3798	0.83198 2.381 57.15	-2.4 -1.4
					OFF 141	0.3676	0.83182 2.318 55.43	-2.4 -1.6
89	8	2	58	7	7 ON 2511	0.3557	0.83881 2.235 53.64	-2.4 -1.8
					OFF 143	0.3488	0.82869 2.136 51.27	-2.4 -1.9
98	7	1	57	7	7 ON 2772	0.3265	0.82755 2.852 49.24	-2.4 -1.9
					OFF 178	0.3112	0.82626 1.955 46.93	-2.4 -8.1
94	3	1	16	7	7 ON 1898	0.3912	0.83381 2.458 58.99	-2.4 -8.9
					OFF 43	0.3912	0.83381 2.458 58.99	-2.4 -8.9
94	3	2	46	7	7 ON 3854	0.3823	0.82551 1.988 45.59	-2.4 8.9
					OFF 155	0.2989	0.82455 1.828 43.87	-2.4 2.6
95	3	1	19	7	7 ON 1993	0.3986	0.83296 2.454 58.98	-2.4 -8.8
					OFF 58	0.3896	0.83287 2.448 58.75	-2.4 -8.9
181	8	1	23	7	7 ON 2629	0.3425	0.82898 2.152 51.65	-2.4 -1.9
					OFF 68	0.3349	0.82825 2.184 58.58	-2.4 -1.9
181	8	2	47	7	7 ON 2764	0.3272	0.82761 2.856 49.34	-2.4 -1.9

SECRET

SECRET

				OFF	147	0.3145	0.02654	1.976	47.43	-2.4	-0.5	
102	7	1	38	7	7 ON	1788	0.3893	0.03285	2.446	58.78	-2.4	-0.7
				OFF	99	0.3911	0.03308	2.457	58.97	-2.4	-0.6	
102	7	2	79	7	7 ON	1938	0.3912	0.03301	2.458	58.99	-2.4	-0.6
				OFF	283	0.3863	0.03259	2.427	58.25	-2.4	-0.7	
102	7	3	18	7	7 ON	2431	0.3639	0.03070	2.286	54.87	-2.4	-1.4
				OFF	51	0.3590	0.03029	2.256	54.14	-2.4	-1.4	
103	4	1	17	7	7 ON	1613	0.3809	0.03214	2.393	57.44	-2.4	-1.4
				OFF	45	0.3835	0.03235	2.409	57.82	-2.4	-1.2	
103	4	2	17	7	7 ON	1720	0.3868	0.03263	2.430	58.32	-2.4	-0.9
				OFF	45	0.3884	0.03277	2.441	58.57	-2.4	-0.8	
103	4	3	46	7	7 ON	2049	0.3893	0.03285	2.446	58.71	-2.4	-0.7
				OFF	119	0.3846	0.03245	2.416	57.99	-2.4	-0.8	
104	8	1	105	7	7 ON	2060	0.3909	0.03299	2.456	58.95	-1.9	-0.2
				OFF	278	0.3746	0.03160	2.353	56.40	-1.9	-0.7	
105	3	1	18	7	7 ON	1600	0.3819	0.03223	2.400	57.59	-1.9	-0.9
				OFF	46	0.3847	0.03246	2.417	58.01	-1.9	-0.7	
105	3	2	111	7	7 ON	2182	0.3855	0.03253	2.422	58.13	-1.9	-0.4
				OFF	292	0.3616	0.03051	2.272	54.53	-1.9	-1.0	
106	5	1	48	7	7 ON	2199	0.3845	0.03244	2.416	57.98	-1.9	-0.4
				OFF	127	0.3756	0.03169	2.360	56.64	-1.9	-0.7	
110	9	1	19	7	7 ON	1936	0.3932	0.03317	2.470	59.29	-1.9	-0.0
				OFF	50	0.3927	0.03314	2.460	59.22	-1.9	-0.1	
111	1	0	14	7	7 ON	1962	0.3930	0.03316	2.469	59.26	-1.9	-0.0
				OFF	38	0.3925	0.03312	2.466	59.19	-1.9	-0.0	
117	3	1	57	7	7 ON	1775	0.3900	0.03298	2.456	58.93	-1.9	-0.1
				OFF	147	0.3932	0.03310	2.470	59.29	-1.9	0.1	
117	3	2	43	7	7 ON	2010	0.3923	0.03310	2.465	59.15	-1.9	0.0
				OFF	112	0.3880	0.03280	2.443	58.62	-1.9	-0.2	
118	4	1	20	7	7 ON	1772	0.3907	0.03297	2.455	58.92	-1.9	-0.1
				OFF	51	0.3921	0.03300	2.463	59.12	-1.9	0.0	
118	4	2	79	7	7 ON	1970	0.3929	0.03315	2.469	59.25	-1.9	0.1
				OFF	203	0.3862	0.03259	2.427	58.24	-1.9	-0.3	
119	5	1	17	7	7 ON	1844	0.3925	0.03312	2.466	59.19	-1.9	0.1
				OFF	43	0.3930	0.03316	2.470	59.27	-1.9	0.1	
119	5	2	60	7	7 ON	2092	0.3890	0.03289	2.449	58.79	-1.9	-0.1
				OFF	157	0.3815	0.03219	2.397	57.53	-1.9	-0.4	
120	9	1	53	7	7 ON	1995	0.3951	0.03334	2.483	59.58	-1.2	0.7
				OFF	135	0.3909	0.03298	2.456	58.95	-1.2	0.5	
120	9	2	35	7	7 ON	2398	0.3713	0.03133	2.333	55.99	-1.2	-0.3
				OFF	96	0.3619	0.03054	2.274	54.50	-1.2	-0.5	
121	9	1	37	7	7 ON	2127	0.3909	0.03298	2.456	58.95	-1.2	0.5
				OFF	96	0.3857	0.03255	2.424	58.17	-1.2	0.3	
121	9	2	92	7	7 ON	2248	0.3830	0.03230	2.412	57.80	-1.2	0.2
				OFF	248	0.3610	0.03053	2.273	54.55	-1.2	-0.5	
122	4	1	53	7	7 ON	2221	0.3857	0.03254	2.423	58.16	-1.2	0.3
				OFF	141	0.3750	0.03164	2.356	56.55	-1.2	-0.1	
127	8	1	20	7	7 ON	2001	0.3950	0.03333	2.482	59.56	-1.2	0.0
				OFF	51	0.3930	0.03323	2.475	59.39	-1.2	0.0	
133	4	1	17	7	7 ON	1702	0.3904	0.03294	2.453	58.87	-1.2	0.4
				OFF	45	0.3922	0.03310	2.465	59.15	-1.2	0.5	

SECRET

133	4	2	64	7	7	ON	1888	0.3944	0.83327	2.478	59.47	-1.2	8.6
						OFF	163	0.3955	0.83337	2.485	59.64	-1.2	8.9
133	4	3	19	7	7	ON	2258	0.3831	0.83233	2.487	57.77	-1.2	8.2
						OFF	58	0.3795	0.83282	2.385	57.23	-1.2	8.1
134	5	1	26	7	7	ON	1795	0.3948	0.83324	2.475	59.41	-1.2	8.7
						OFF	68	0.3954	0.83336	2.484	59.62	-1.2	8.9
134	5	2	79	7	7	ON	2015	0.3947	0.83331	2.488	59.52	-1.2	8.9
						OFF	204	0.3868	0.83257	2.425	58.21	-1.2	8.4
135	8	1	39	7	7	ON	2133	0.3986	0.83296	2.454	58.98	-1.2	8.6
						OFF	183	0.3848	0.83247	2.418	58.83	-1.2	8.4
136	8	8	14	7	7	ON	532	0.2875	0.82426	1.887	43.36	-1.2	-11.4
						OFF	47	0.2984	0.82458	1.824	43.79	-1.2	-11.4
136	8	1	82	7	7	ON	2028	0.3913	0.83382	2.458	59.88	-2.8	8.1
						OFF	211	0.3816	0.83228	2.398	57.54	-2.8	-8.4
137	7	1	97	7	7	ON	2267	0.3794	0.83282	2.384	57.22	-2.8	-8.6
						OFF	263	0.3553	0.82998	2.232	53.57	-2.8	-1.5
141	6	1	68	7	7	ON	2894	0.3168	0.82673	1.991	47.78	-2.8	-1.2
						OFF	195	0.3888	0.82538	1.898	45.36	-2.8	8.6
143	6	1	19	7	7	ON	2859	0.3984	0.83294	2.453	58.87	-2.8	8.1
						OFF	51	0.3887	0.83288	2.442	58.61	-2.8	-8.8
148	8	1	65	7	7	ON	2879	0.3182	0.82685	1.999	47.98	-2.8	-1.4
						OFF	218	0.3889	0.82539	1.891	45.37	-2.8	8.5
148	8	2	17	7	7	ON	3242	0.2894	0.82442	1.819	43.64	-2.8	1.9
						OFF	68	0.2857	0.82411	1.795	43.89	-2.8	2.6
149	8	1	36	7	7	ON	2246	0.3889	0.83214	2.393	57.44	-2.8	-8.3
						OFF	96	0.3737	0.83153	2.348	56.35	-2.8	-8.6
149	8	2	70	7	7	ON	2925	0.3142	0.82651	1.974	47.38	-2.8	-1.1
						OFF	228	0.2968	0.82497	1.868	44.63	-2.8	1.1
150	5	1	27	7	7	ON	1616	0.3824	0.83227	2.483	57.67	-2.8	-8.9
						OFF	72	0.3864	0.83261	2.428	58.27	-2.8	-8.5
150	5	2	26	7	7	ON	1828	0.3917	0.83385	2.461	59.86	-2.8	8.2
						OFF	67	0.3925	0.83312	2.466	59.19	-2.8	8.3
150	5	3	45	7	7	ON	2139	0.3872	0.83267	2.433	58.39	-2.8	8.8
						OFF	119	0.3883	0.83289	2.389	57.34	-2.8	-8.3
151	4	1	31	7	7	ON	2173	0.3855	0.83253	2.422	58.13	-2.8	-8.1
						OFF	81	0.3886	0.83211	2.391	57.39	-2.8	-8.3
152	7	1	76	7	7	ON	2191	0.3854	0.83252	2.421	58.12	-1.8	8.1
						OFF	282	0.3781	0.83123	2.325	55.81	-1.8	-8.6
153	5	1	31	7	7	ON	2191	0.3854	0.83252	2.422	58.12	-1.8	8.1
						OFF	81	0.3882	0.83288	2.389	57.33	-1.8	-8.1
153	5	2	41	7	7	ON	2312	0.3768	0.83188	2.368	56.83	-1.8	-8.3
						OFF	112	0.3671	0.83897	2.386	55.35	-1.8	-8.7
154	4	1	65	7	7	ON	2253	0.3813	0.83217	2.396	57.58	-1.8	-8.1
						OFF	173	0.3669	0.83895	2.385	55.32	-1.8	-8.7
157	6	1	72	7	7	ON	2745	0.3389	0.82792	2.879	49.89	-1.8	-2.2
						OFF	223	0.3116	0.82629	1.958	46.98	-1.8	-8.6
158	6	1	22	7	7	ON	3414	0.2799	0.82362	1.759	42.21	-1.8	3.7
						OFF	88	0.2763	0.82331	1.736	41.66	-1.8	4.7
159	6	1	10	7	7	ON	2127	0.3888	0.83288	2.443	58.62	-1.8	8.4
						OFF	42	0.3868	0.83264	2.438	58.32	-1.8	8.3
161	5	1	27	7	7	ON	1396	0.3649	0.83879	2.293	55.83	-1.8	-3.7

OFF 73 0.3716 0.03136 2.335 56.84 -1.8 -2.7
161 5 2 49 7 7 ON 1572 0.3884 0.03289 2.398 57.36 -1.8 -1.3
OFF 138 0.3881 0.03275 2.439 58.53 -1.8 -0.2

RATE ESTIMATE
AFT PAN CAMERA NUMBER 142

OPN NO	FR	R	A	TUR/DUR	INST CPS	INST ANG VEL	SCAN RATE R/SEC	I/SEC	PCT CALIB	RATE REQD
79	7	1	4	7	7 ON 2864	0.3984	0.03294	2.453	58.87	-2.5 -1.1
					OFF 18	0.3981	0.03292	2.451	58.83	-2.5 -1.1
81	8	8	5	7	7 ON 8	0.2698	0.02278	1.698	48.57	-2.5 -42.9
					OFF 23	0.2698	0.02278	1.698	48.57	-2.5 -43.4
84	3	1	53	7	7 ON 1382	0.3629	0.03062	2.288	54.73	-2.5 -1.8
					OFF 145	0.3759	0.03172	2.362	56.68	-2.5 -8.8
84	3	2	39	7	7 ON 1665	0.3856	0.03253	2.423	58.14	-2.5 -8.3
					OFF 181	0.3988	0.03291	2.458	58.81	-2.5 -8.3
84	3	3	17	7	7 ON 1866	0.3924	0.03311	2.466	59.17	-2.5 -8.4
					OFF 44	0.3927	0.03314	2.467	59.22	-2.5 -8.5
86	1	1	21	7	7 ON 1548	0.3772	0.03182	2.378	56.88	-2.5 -8.7
					OFF 56	0.3811	0.03215	2.394	57.46	-2.5 -8.5
86	1	2	48	7	7 ON 1711	0.3879	0.03273	2.437	58.49	-2.5 -8.3
					OFF 181	0.3913	0.03382	2.459	59.81	-2.5 -8.3
86	1	3	28	7	7 ON 1983	0.3927	0.03313	2.467	59.22	-2.5 -8.5
					OFF 52	0.3926	0.03313	2.467	59.28	-2.5 -8.7
86	1	4	62	7	7 ON 2883	0.3919	0.03387	2.463	59.18	-2.5 -8.8
					OFF 157	0.3864	0.03261	2.428	58.27	-2.5 -1.5
86	1	5	18	7	7 ON 2556	0.3524	0.02974	2.215	53.15	-2.5 -3.2
					OFF 51	0.3478	0.02928	2.188	52.33	-2.5 -3.3
87	7	1	28	7	7 ON 1827	0.3918	0.03386	2.461	59.88	-2.5 -8.3
					OFF 51	0.3925	0.03312	2.466	59.19	-2.5 -8.4
87	7	2	26	7	7 ON 2852	0.3988	0.03297	2.455	58.92	-2.5 -1.8
					OFF 66	0.3885	0.03278	2.441	58.58	-2.5 -1.3
87	7	3	66	7	7 ON 2174	0.3856	0.03253	2.423	58.14	-2.5 -1.6
					OFF 171	0.3736	0.03153	2.348	56.34	-2.5 -2.3
89	8	8	13	7	7 ON 428	0.2883	0.02365	1.761	42.27	-2.5 -9.3
					OFF 47	0.2827	0.02385	1.776	42.62	-2.5 -9.6
89	8	1	53	7	7 ON 2254	0.3859	0.03256	2.425	58.19	-1.1 8.4
					OFF 141	0.3744	0.03168	2.353	56.47	-1.1 8.3
89	8	2	58	7	7 ON 2511	0.3624	0.03858	2.277	54.65	-1.1 8.8
					OFF 143	0.3465	0.02924	2.177	52.25	-1.1 8.8
98	7	1	58	7	7 ON 2772	0.3329	0.02889	2.892	58.21	-1.1 8.1
					OFF 178	0.3175	0.02679	1.995	47.88	-1.1 1.9
94	3	1	17	7	7 ON 1898	0.3982	0.03368	2.582	68.85	-1.1 8.9
					OFF 43	0.3982	0.03368	2.582	68.85	-1.1 8.9
94	3	2	47	7	7 ON 3854	0.3885	0.02683	1.939	46.52	-1.1 2.9
					OFF 155	0.2978	0.02586	1.866	44.78	-1.1 4.5
95	3	1	19	7	7 ON 1993	0.3977	0.03355	2.499	59.97	-1.1 1.8
					OFF 58	0.3966	0.03347	2.492	59.81	-1.1 8.9
181	8	1	23	7	7 ON 2629	0.3491	0.02946	2.193	52.64	-1.1 8.1
					OFF 68	0.3414	0.02888	2.145	51.48	-1.1 8.1

181	8	2	48	7	7	ON	2764	8.3336	8.82815	2.896	58.31	-1.1	8.1
						OFF	147	8.3288	8.82787	2.816	48.38	-1.1	1.5
182	7	1	39	7	7	ON	1788	8.3963	8.83344	2.498	59.76	-1.1	1.1
						OFF	99	8.3981	8.83359	2.582	68.84	-1.1	1.2
182	7	2	81	7	7	ON	1938	8.3983	8.83361	2.582	68.86	-1.1	1.2
						OFF	283	8.3933	8.83319	2.471	59.31	-1.1	1.1
182	7	3	19	7	7	ON	2431	8.3787	8.83128	2.329	55.89	-1.1	8.4
						OFF	51	8.3658	8.83886	2.298	55.16	-1.1	8.4
183	4	1	17	7	7	ON	1613	8.3879	8.83273	2.437	58.49	-1.1	8.5
						OFF	45	8.3984	8.83295	2.453	58.88	-1.1	8.6
183	4	2	17	7	7	ON	1728	8.3938	8.83323	2.474	59.38	-1.1	8.9
						OFF	45	8.3955	8.83337	2.485	59.63	-1.1	1.8
183	4	3	46	7	7	ON	2849	8.3964	8.83345	2.491	59.77	-1.1	1.1
						OFF	119	8.3916	8.83384	2.468	59.85	-1.1	1.8
184	8	1	188	7	7	ON	2868	8.3988	8.83358	2.581	68.82	-8.6	1.6
						OFF	278	8.3815	8.83219	2.397	57.52	-8.6	1.1
185	3	1	17	7	7	ON	1688	8.3889	8.83281	2.444	58.64	-8.6	8.9
						OFF	46	8.3917	8.83385	2.461	59.86	-8.6	1.1
185	3	2	111	7	7	ON	2182	8.3925	8.83312	2.466	59.19	-8.6	1.4
						OFF	292	8.3684	8.83188	2.315	55.55	-8.6	8.8
186	5	1	49	7	7	ON	2199	8.3915	8.83383	2.468	59.84	-8.6	1.3
						OFF	127	8.3825	8.83228	2.483	57.68	-8.6	1.1
118	9	1	28	7	7	ON	1936	8.4882	8.83377	2.515	68.35	-8.6	1.7
						OFF	58	8.3998	8.83373	2.512	68.29	-8.6	1.7
111	1	8	15	7	7	ON	1962	8.4881	8.83376	2.514	68.33	-8.6	1.7
						OFF	38	8.3996	8.83372	2.511	68.26	-8.6	1.7
117	3	1	58	7	7	ON	1775	8.3979	8.83357	2.588	68.88	-8.6	1.7
						OFF	147	8.4883	8.83377	2.515	68.36	-8.6	1.8
117	3	2	44	7	7	ON	2818	8.3993	8.83378	2.589	68.22	-8.6	1.8
						OFF	112	8.3958	8.83348	2.487	59.68	-8.6	1.6
118	4	1	28	7	7	ON	1772	8.3978	8.83356	2.499	59.99	-8.6	1.7
						OFF	51	8.3991	8.83368	2.588	68.19	-8.6	1.8
118	4	2	88	7	7	ON	1978	8.4888	8.83375	2.513	68.32	-8.6	1.8
						OFF	283	8.3932	8.83318	2.471	59.29	-8.6	1.5
119	5	1	17	7	7	ON	1844	8.3996	8.83372	2.511	68.26	-8.6	1.8
						OFF	43	8.4881	8.83376	2.514	68.34	-8.6	1.9
119	5	2	61	7	7	ON	2892	8.3969	8.83349	2.494	59.85	-8.6	1.7
						OFF	157	8.3885	8.83278	2.441	58.58	-8.6	1.4
128	9	1	54	7	7	ON	1995	8.3995	8.83371	2.518	68.24	-8.6	1.8
						OFF	135	8.3953	8.83335	2.484	59.61	-8.6	1.6
128	9	2	35	7	7	ON	2398	8.3756	8.83169	2.368	56.64	-8.6	8.8
						OFF	96	8.3662	8.83898	2.381	55.22	-8.6	8.7
121	9	1	37	7	7	ON	2127	8.3953	8.83335	2.484	59.61	-8.6	1.6
						OFF	96	8.3981	8.83292	2.451	58.83	-8.6	1.4
121	9	2	94	7	7	ON	2248	8.3882	8.83275	2.439	58.53	-8.6	1.3
						OFF	248	8.3661	8.83889	2.388	55.28	-8.6	8.7
122	4	1	54	7	7	ON	2221	8.3988	8.83291	2.451	58.81	-8.6	1.4
						OFF	141	8.3793	8.83288	2.383	57.28	-8.6	1.8
127	8	1	28	7	7	ON	2881	8.3994	8.83378	2.589	68.23	-8.6	1.9
						OFF	51	8.3982	8.83368	2.582	68.85	-8.6	1.8
133	4	1	17	7	7	ON	1782	8.3948	8.83331	2.488	59.53	-8.6	1.5

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					OFF	45	0.3966	0.03347	2.492	59.01	-0.6	1.6
133	4	2	65	7	7 ON	1888	0.3987	0.03364	2.505	60.13	-0.6	1.9
					OFF	163	0.3999	0.03374	2.513	60.30	-0.6	2.0
133	4	3	19	7	7 ON	2258	0.3875	0.03269	2.434	58.43	-0.6	1.4
					OFF	58	0.3838	0.03239	2.412	57.88	-0.6	1.3
134	5	1	27	7	7 ON	1795	0.3984	0.03361	2.503	60.07	-0.6	1.8
					OFF	68	0.3997	0.03373	2.512	60.28	-0.6	1.9
134	5	2	79	7	7 ON	2015	0.3991	0.03368	2.508	60.18	-0.6	1.9
					OFF	284	0.3984	0.03294	2.453	58.86	-0.6	1.5
135	8	1	40	7	7 ON	2133	0.3958	0.03333	2.482	59.56	-0.6	1.7
					OFF	183	0.3892	0.03284	2.445	58.69	-0.6	1.5
136	8	0	14	7	7 ON	532	0.2916	0.02468	1.832	43.97	-0.6	-9.9
					OFF	47	0.2944	0.02484	1.858	44.48	-0.6	-9.9
136	8	1	83	7	7 ON	2028	0.3977	0.03356	2.499	59.98	-0.9	1.7
					OFF	211	0.3888	0.03274	2.438	58.51	-0.9	1.2
137	7	1	99	7	7 ON	2267	0.3858	0.03255	2.424	58.18	-0.9	1.1
					OFF	263	0.3614	0.03050	2.271	54.50	-0.9	0.2
141	6	1	61	7	7 ON	2894	0.3227	0.02723	2.027	48.66	-0.9	0.6
					OFF	195	0.3065	0.02586	1.926	46.22	-0.9	2.4
143	6	1	20	7	7 ON	2059	0.3969	0.03349	2.494	59.85	-0.9	1.7
					OFF	51	0.3951	0.03334	2.483	59.58	-0.9	1.6
148	8	1	66	7	7 ON	2879	0.3240	0.02734	2.036	48.86	-0.9	0.4
					OFF	210	0.3066	0.02587	1.926	46.23	-0.9	2.3
148	8	2	18	7	7 ON	3242	0.2950	0.02489	1.854	44.49	-0.9	3.8
					OFF	60	0.2913	0.02458	1.830	43.93	-0.9	4.4
149	8	1	36	7	7 ON	2246	0.3873	0.03268	2.433	58.40	-0.9	1.3
					OFF	96	0.3800	0.03207	2.388	57.31	-0.9	1.0
149	8	2	71	7	7 ON	2925	0.3200	0.02700	2.010	48.25	-0.9	0.8
					OFF	228	0.3016	0.02545	1.895	45.48	-0.9	2.9
150	5	1	28	7	7 ON	1616	0.3888	0.03281	2.443	58.63	-0.9	0.7
					OFF	72	0.3929	0.03315	2.468	59.24	-0.9	1.2
150	5	2	26	7	7 ON	1828	0.3981	0.03359	2.501	60.04	-0.9	1.8
					OFF	67	0.3998	0.03367	2.507	60.17	-0.9	1.9
150	5	3	46	7	7 ON	2139	0.3936	0.03321	2.473	59.36	-0.9	1.6
					OFF	119	0.3867	0.03263	2.429	58.31	-0.9	1.3
151	4	1	31	7	7 ON	2173	0.3919	0.03307	2.462	59.10	-0.9	1.6
					OFF	81	0.3869	0.03265	2.431	58.35	-0.9	1.4
152	7	1	77	7	7 ON	2191	0.3888	0.03281	2.443	58.64	-1.4	1.0
					OFF	282	0.3735	0.03152	2.347	56.33	-1.4	0.3
153	5	1	31	7	7 ON	2191	0.3889	0.03281	2.443	58.64	-1.4	1.0
					OFF	81	0.3837	0.03237	2.411	57.85	-1.4	0.8
153	5	2	42	7	7 ON	2312	0.3803	0.03209	2.389	57.35	-1.4	0.6
					OFF	112	0.3705	0.03126	2.328	55.87	-1.4	0.2
154	4	1	65	7	7 ON	2253	0.3848	0.03247	2.418	58.02	-1.4	0.8
					OFF	173	0.3703	0.03124	2.327	55.84	-1.4	0.2
157	6	1	72	7	7 ON	2745	0.3343	0.02821	2.100	50.41	-1.4	-1.2
					OFF	223	0.3150	0.02657	1.979	47.49	-1.4	0.5
158	6	1	23	7	7 ON	3414	0.2833	0.02390	1.780	42.71	-1.4	4.9
					OFF	80	0.2796	0.02360	1.757	42.17	-1.4	5.9
159	6	1	16	7	7 ON	2127	0.3922	0.03309	2.464	59.14	-1.4	1.3
					OFF	42	0.3902	0.03293	2.452	58.85	-1.4	1.2

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161 5 1 27 7 7 ON 1396	0.3684	0.03108	2.315	55.55	-1.4	-2.7
OFF 73	0.3751	0.03165	2.357	56.56	-1.4	-1.7
161 5 2 50 7 7 ON 1572	0.3838	0.03238	2.412	57.88	-1.4	-0.4
OFF 130	0.3916	0.03304	2.460	59.05	-1.4	0.6

RAMP PROFILE

R= 7 A= 7 PERIOD= 3840

R= 0.3371 A= 0.0636

TUR	PER	CPS	ANG V
000	3.656	0.2735	0.02474
100	3.648	0.2742	0.02480
200	3.622	0.2761	0.02497
300	3.581	0.2793	0.02526
400	3.526	0.2836	0.02565
500	3.459	0.2891	0.02615
600	3.383	0.2956	0.02673
700	3.302	0.3029	0.02739
800	3.217	0.3109	0.02811
900	3.131	0.3194	0.02889
1000	3.046	0.3283	0.02969
1100	2.963	0.3374	0.03052
1200	2.861	0.3495	0.03161
1300	2.769	0.3611	0.03266
1400	2.689	0.3719	0.03363
1500	2.622	0.3813	0.03449
1600	2.569	0.3892	0.03520
1700	2.531	0.3952	0.03574
1800	2.506	0.3998	0.03609
1900	2.496	0.4007	0.03624
2000	2.500	0.4000	0.03617
2100	2.519	0.3970	0.03591
2200	2.552	0.3918	0.03544
2300	2.600	0.3847	0.03479
2400	2.661	0.3758	0.03399
2500	2.736	0.3655	0.03306
2600	2.823	0.3542	0.03204
2700	2.921	0.3423	0.03096
2800	3.013	0.3319	0.03002
2900	3.097	0.3229	0.02921
3000	3.183	0.3142	0.02842
3100	3.268	0.3060	0.02767
3200	3.351	0.2984	0.02699
3300	3.430	0.2916	0.02637
3400	3.500	0.2857	0.02584
3500	3.560	0.2809	0.02540
3600	3.607	0.2772	0.02507
3700	3.639	0.2748	0.02485
3800	3.655	0.2736	0.02475

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CLOCK SUMMARY

SYS TIME I/P		ORDER FIT 1		CL TIME I/P		COMP SYS TM		DELTA ST	REV	STA
0.64392870D	05	0.380393179D	06	0.643928737D	05	-0.0037	8			
0.24695888D	05	0.427096212D	06	0.246958976D	05	-0.0096	9			
0.63989913D	05	0.466398233D	06	0.639899109D	05	0.0021	16			
0.24478383D	05	0.513278615D	06	0.244782837D	05	0.0193	25			
0.63770948D	05	0.157003810D	05	0.637709541D	05	-0.0061	32			
0.24252676D	05	0.625821180D	05	0.242526819D	05	-0.0059	41			
0.58150323D	05	0.964797710D	05	0.581503283D	05	-0.0053	47			
0.24012978D	05	0.148742427D	06	0.240129740D	05	0.0040	57			
0.57943378D	05	0.182672833D	06	0.579433734D	05	0.0046	63			
0.18374883D	05	0.229504345D	06	0.183748762D	05	0.0068	72			
0.57688513D	05	0.268817983D	06	0.576885065D	05	0.0065	79			
0.23493630D	05	0.321023126D	06	0.234936393D	05	-0.0093	89			
0.57414268D	05	0.354943757D	06	0.574142637D	05	0.0043	95			
0.17835073D	05	0.401764577D	06	0.178350745D	05	-0.0015	104			
0.57093243D	05	0.441022762D	06	0.570932519D	05	-0.0009	111			
0.17545573D	05	0.487875098D	06	0.175455787D	05	-0.0057	120			
0.56794533D	05	0.527124055D	06	0.567945280D	05	0.0050	127			
0.17242728D	05	0.371013440D	05	0.172427199D	05	0.0001	136			
0.56523163D	05	0.763817960D	05	0.565231642D	05	-0.0012	143			
0.16924553D	05	0.123183189D	06	0.169245480D	05	0.0050	152			
0.56227278D	05	0.162485935D	06	0.562272863D	05	-0.0003	159			

AB=-0.3168002309D 06 A1=0.999999804419D 00

SIGMA=0.00710 NO. POINTS= 21

RATIO OF CLOCK TIME TO SYS TIME= 0.100000019558D 01

SYS TIME I/P		ORDER FIT 2		CL TIME I/P		COMP SYS TM		DELTA ST	REV	STA
0.64392870D	05	0.380393179D	06	0.643928718D	05	-0.0018	0			
0.24695888D	05	0.427096212D	06	0.246958963D	05	-0.0003	9			
0.63989913D	05	0.466398233D	06	0.639899101D	05	0.0029	16			
0.24478383D	05	0.513278615D	06	0.244782834D	05	0.0196	25			
0.63770948D	05	0.157003810D	05	0.637709541D	05	-0.0061	32			
0.24252676D	05	0.625821180D	05	0.242526823D	05	-0.0063	41			
0.58150323D	05	0.964797710D	05	0.581503289D	05	-0.0059	47			
0.24012978D	05	0.148742427D	06	0.240129749D	05	0.0031	57			
0.57943378D	05	0.182672833D	06	0.579433744D	05	0.0036	63			
0.18374883D	05	0.229504345D	06	0.183748773D	05	0.0057	72			
0.57688513D	05	0.268817983D	06	0.576885077D	05	0.0053	79			
0.23493630D	05	0.321023126D	06	0.234936404D	05	-0.0104	89			
0.57414268D	05	0.354943757D	06	0.574142647D	05	0.0033	95			
0.17835073D	05	0.401764577D	06	0.178350754D	05	-0.0024	104			
0.57093243D	05	0.441022762D	06	0.570932525D	05	-0.0095	111			
0.17545573D	05	0.487875098D	06	0.175455791D	05	-0.0061	120			
0.56794533D	05	0.527124055D	06	0.567945281D	05	0.0049	127			
0.17242728D	05	0.371013440D	05	0.172427195D	05	0.0005	136			
0.56523163D	05	0.763817960D	05	0.565231634D	05	-0.0004	143			
0.16924553D	05	0.123183189D	06	0.169245467D	05	0.0063	152			
0.56227278D	05	0.162485935D	06	0.562272844D	05	-0.0064	159			

AB=-0.3168002407D 06 A1=0.999999831377D 00

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CLOCK OPERATIONS

OPN NO	FR		H	M	S	DEC	BINARY		
79	7	1	4	ON	16	1	14	268883	1000000001010011011011011000
				OFF	16	1	24	268813	1000000000101100001011001000
81	8	8	5	ON	18	53	14	279124	10000101000110001100000100000
				OFF	18	53	37	279147	1000010100010111000111110000
84	3	1	53	ON	23	18	17	295827	100011001011110000100111000
				OFF	23	28	42	295172	1000110010111111011110100000
84	3	2	39	ON	23	23	8	295318	10001100101100010001010110000
				OFF	23	24	41	295411	1000110010111001110100111000
84	3	3	17	ON	23	26	21	295511	100011001011001000100011101000
				OFF	23	27	5	295555	1000110011011100111110111000
86	1	1	21	ON	2	28	17	385946	1001000111100010111011001000
				OFF	2	21	13	386002	10010001111010011100001010000
86	1	2	39	ON	2	23	8	386117	10010001111101111100110001000
				OFF	2	24	49	386218	10010010000001000010000010000
86	1	3	28	ON	2	26	19	386389	1001001000001111001111001000
				OFF	2	27	11	386361	10010010000101011001010101000
86	1	4	61	ON	2	28	8	386418	1001001000010111001000010000
				OFF	2	38	37	386567	10010010001011101011101011000
86	1	5	18	ON	2	37	13	386962	10010010010111101111001010000
				OFF	2	38	4	387813	10010010011001010010110001000
87	7	1	19	ON	3	54	45	311614	10010100100101101101000110000
				OFF	3	55	36	311665	100101001001110100000101101000
87	7	2	25	ON	3	58	38	311848	10010100101100100110100000000
				OFF	3	59	36	311986	100101001011101001110110101000
87	7	3	64	ON	4	8	32	311962	10010100110000010100110010000
				OFF	4	3	23	312133	10010100110101100010110001000
89	8	2	13	ON	6	31	49	321838	10011001000101010011010110000
				OFF	6	32	36	321885	10011001000110101111001001000
89	8	1	52	ON	7	2	15	322864	10011001111101000001110000000
				OFF	7	4	36	323885	10011010000001010101001001000
89	8	2	58	ON	7	6	31	323121	10011010000100110111101101000
				OFF	7	8	54	323264	10011010001001001111000000000
98	7	1	57	ON	8	48	32	328761	10011100110000111111010101000
				OFF	8	43	38	328939	10011100110110011010111111000
94	3	1	16	ON	14	24	43	349412	10100110100111001101010100000
				OFF	14	25	26	349455	10100110101000100001010011000
94	3	2	46	ON	14	43	58	358567	10100111001010011101001011000
				OFF	14	46	33	358722	10100111001111001011111010000
95	3	1	19	ON	15	55	57	354887	10101001001110010010101011000
				OFF	15	56	47	354937	10101001001111110100010101000
141	8	1	23	ON	1	4	37	387886	10111000111010111001100110000
				OFF	1	5	45	387874	10111000111100111110011010000
141	8	2	47	ON	1	6	53	387942	1011100011111000011001110000
				OFF	1	9	28	388889	10111001000011100010010101000
142	7	1	38	ON	2	28	18	392348	10111011000101100000101100000

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133	4	3	19	ON	8	47	27	22786	0000101011010011101101010000
				OFF	8	48	17	22756	0000101011011001110101010000
134	5	1	26	ON	2	9	23	27622	0000110100101011110100111000
				OFF	2	10	31	27698	0000110100110100001000010000
134	5	2	79	ON	2	13	4	27842	0000110101000110101011010000
				OFF	2	16	28	28846	0000110101011111000101011000
135	8	1	39	ON	3	44	48	33339	000011111110010110110111000
				OFF	3	46	23	33442	0000111111100100100011010000
136	8	8	14	ON	4	47	37	37116	0001000110110010110001100000
				OFF	4	48	24	37163	0001000110111000011111111000
136	8	1	82	ON	5	12	33	38611	0001000110111000011111111000
				OFF	5	16	4	38822	0001000110111000011111111000
137	7	1	97	ON	6	46	9	44228	0001010000101101101101000000
				OFF	6	50	32	44491	0001010001010110000011111000
141	6	1	68	ON	12	55	11	66369	0001111101000101010111010000
				OFF	12	58	26	66564	0001111101111010111110100000
143	6	1	19	ON	15	40	31	76289	00100100011000001000111101000
				OFF	15	41	22	76348	001001000110001101101100100000
148	8	1	65	ON	23	22	22	104808	0011000110010111010100000000
				OFF	23	25	52	104218	001100011011000011110010100000
148	8	2	17	ON	23	28	25	104364	0011000110000110111111100000
				OFF	23	29	25	104424	001100011001011000010010000000
149	8	1	36	ON	8	41	28	108746	001100111101101010101000100000
				OFF	8	43	4	108842	001100111110011001100000100000
149	8	2	70	ON	8	52	47	109425	0011000001011010000101010000
				OFF	8	56	35	109653	001101000100100100110000001000
150	5	1	27	ON	2	8	35	113494	001101100001111000011111100000
				OFF	2	1	47	113566	001101100010011100001001100000
150	5	2	26	ON	2	4	7	113786	001101100011100000100001000000
				OFF	2	5	14	113773	001101100100000000100111001000
150	5	3	45	ON	2	9	18	114817	0011011001011110000101101000
				OFF	2	11	17	114136	001101100101100100100111100000
151	4	1	31	ON	3	39	29	119427	001100001111001001111101110000
				OFF	3	40	58	119588	001100001111110001100001000000
152	7	1	76	ON	5	9	25	124823	0011011100001010001011011000
				OFF	5	12	47	125025	001101110001101101101011010000
153	5	1	31	ON	6	39	2	130280	0011110000101011000111000000
				OFF	6	40	23	130281	0011110000111110111000101000
153	5	2	41	ON	6	41	3	130322	0011110001001000111001010000
				OFF	6	42	55	130434	0011110001100100001111010000
154	4	1	65	ON	8	9	42	135648	0100000010101101100111100000
				OFF	8	12	35	135813	01000000110000101011110001000
157	6	1	72	ON	12	46	45	152264	0100100010011010111010100000
				OFF	12	50	28	152487	01001000101101100010001011000
158	6	1	22	ON	14	27	31	158318	0100101011111001111001110000
				OFF	14	28	51	158398	0100101110000101011011110000
159	6	1	16	ON	15	35	41	162399	0100101011100000001100011000
				OFF	15	36	23	162441	0100101011101000111001010000
161	5	1	27	ON	18	23	14	172452	0101001000110110100010100000
				OFF	18	24	27	172525	0101001001000100001011001000
161	5	2	49	ON	18	26	18	172628	0101001001010000110000010000

