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12 PAGES  
(NOT INCLUDING PEST)

CORONA J FLIGHT DATA BOOK

SYSTEM NO. JX-28

VEHICLE NO. 1616

MISSION NO. 1025-1

CAMERA NOS. 142/127

DATE 10-10-65

Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997

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SYSTEM NO. JX-28  
VEHICLE NO. 1616  
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CAMERA NOS. 142/127

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SYSTEM NO. JX-28  
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CAMERA NOS. 142/127

FORMAT DIMENSIONS AND CALIBRATIONS

CAMERA NO. 142 AFT      CAMERA NO. 127      - FWD

A	76.124	75.997
B	355.297	355.195
C	710.593	710.187
D	56.488	56.456
E	56.474	56.459
XT	0.570	0.772
YT	0.108	-0.130
XS	-0.838	0.323
YS	-0.009	0.009
XVO	0.774	-0.340
YVO	0.555	1.776
DTX	0.561	0.769
DTY	3.108	1.870
DSX	-0.836	0.321
DSY	-2.009	-1.991
DMX	0.721	-0.285
DMY	20.555	21.776
HEIGHT	55.009	55.306
WIDTH	756.110	756.568
DIRECTION		
FLIGHT	+Y	-Y
SCAN	+X	+X

- NOTE 1. ALL DIMENSIONS ARE IN MILLIMETERS AND ARE AVERAGE DIMENSIONS OF THREE FORMATS.
2. HEIGHT OF MAIN FORMAT IS TAKEN AT CENTER OF FORMAT.
3. DT, DM, DS, X, AND Y DIMENSIONS ARE TAKEN 10MM ABOVE POINT DEFINING TARGET CENTER.
4. NEGATIVE VIEWED WITH EMULSION SIDE DOWN.
5. FORMAT SIGN CONVENTION

	I	
-X+Y	I	+X+Y
-----I-----		
-X-Y	I	+X-Y
	I	

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SYSTEM NO. JX-28  
VEHICLE NO. 1616  
MISSION NO. 1025-1  
CAMERA NOS. 142/127

LENS DATA SUMMARY STELLAR INDEX 073/78/88 -1 MISSION

	STELLAR	INDEX
LENS SERIAL NO.	11984	817717
RESEAU SERIAL NO.	88	78
FILTER TYPE	NONE	WRATTEN 21
APERTURE	F1.8	F4.5
EXPOSURE TIME	2 SEC.	1/500 SEC.
EQUIVALENT FOCAL LENGTH	84 NOMINAL MM	38.46 MM

RESOLUTION (INDEX)

ANGLE OFF AXIS	0	10	20	30	35
HIGH CONTRAST-R/T (3400 FILM)	74/74	81/76	98/85	107/49	90/39

AWAR 77 LINES/MM  
READ FROM 4400 FILM.

DISTORTION

FULL DATA TO BE REPORTED AS PART OF PHOTOGONIOMETER  
DATA REDUCTION.

ALIGNMENT	STELLAR	INDEX
	-0.0007 INCHES/.937 INCHES	-0.0009 INCHES/2.25 INCH

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SYSTEM NO. JX-28  
VEHICLE NO. 1616  
MISSION NO. 1025-1  
CAMERA NOS. 142/127

LENS DATA SUMMARY STELLAR INDEX 070/88/81 -2 MISSION

	STELLAR	INDEX
LENS SERIAL NO.	11231	817711
RESEAU SERIAL NO.	81	88
FILTER TYPE	NONE	WRATTEN 21
APERTURE	F1.8	F4.5
EXPOSURE TIME	2 SEC.	1/500 SEC.
EQUIVALENT FOCAL LENGTH	84 NOMINAL MM	38.40 MM

RESOLUTION (INDEX)

ANGLE OFF AXIS	0	10	20	30	35
HIGH CONTRAST-R/T (3400 FILM)	84/84	86/76	104/76	94/58	84/17

AWAR 71 LINES/MM  
READ FROM 4400 FILM.

DISTORTION

FULL DATA TO BE REPORTED AS PART OF PHOTOGONIOMETER  
DATA REDUCTION.

ALIGNMENT	STELLAR	INDEX
	-0.0005 INCHES/.937 INCHES	-0.0004 INCHES/2.25 INCH

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SYSTEM NO. JX-28  
VEHICLE NO. 1616  
MISSION NO. 1025-1  
CAMERA NOS. 142/127

CYCLE PERIOD DATA

V/H LEVEL	RAMP AMPLITUDE	TIME UP RAMP-SEC	---CALIBRATED---		---IN-FLIGHT---		ORBIT CYCLE PERIOD-SEC NO.
			MASTER	SLAVE	MASTER	SLAVE	
7	7	360	3.524	3.538	3.540	3.540	9
7	7	1850	2.476	2.487	2.520	2.535	16
7	7	1890	2.475	2.487	2.520	2.530	32
7	7	2020	2.480	2.492	2.519	2.530	63
7	7	2068	2.489	2.501	2.509	2.546	79

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NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE

DATA DESCRIBED IN DATA BOOK BY -B OR \* INDICATE NO DATA AVAILABLE.

A. 1825-1 LAUNCHED AT 1746Z ON 18/05/65

B. DRY

C. PERFORMANCE ESTIMATE PART ONE

OPERATIONS SUMMARY

FWD PAN CAMERA NUMBER 127
OPN NO FRA Q LAT LONG HEIGHT RANGE DA H M S LTIM S-TIM

PRE-FLT 100

Table with columns: OPN NO, FRA, Q, LAT, LONG, HEIGHT, RANGE, DA, H, M, S, LTIM, S-TIM. Rows include flight data for various camera operations (e.g., 1 6 0, 5 4 1, 5 4 2, etc.) with ON/OFF status and coordinates.



		OFF	2	44	9	119	48E	688998	714141	7	1	12	28	911	4348			
22	3	1	19	ON	2	73	47	47	28E	764313	792319	7	2	32	52	542	9172	
		OFF	2	71	58	58	54E	754583	782219	7	2	33	49	629	9229			
22	3	2	29	ON	2	58	32	87	8E	714312	748421	7	2	38	13	826	9493	
		OFF	2	53	46	91	19E	784282	738812	7	2	39	32	844	9572			
22	3	3	38	ON	2	41	31	98	12E	685725	718754	7	2	42	48	915	9768	
		OFF	2	35	13	188	36E	688415	785243	7	2	44	26	926	9866			
22	3	4	34	ON	2	24	34	183	46E	678697	783459	7	2	47	18	942	18838	
		OFF	2	18	47	185	12E	681825	786785	7	2	48	38	949	18118			
23	5	1	17	ON	2	44	32	74	12E	689142	714299	7	4	11	47	9	8	15187
		OFF	2	41	42	75	29E	685785	718815	7	4	12	32	914	15152			
23	5	2	28	ON	2	34	35	78	18E	688888	784812	7	4	14	22	927	15262	
		OFF	2	31	14	79	15E	678653	783414	7	4	15	14	932	15314			
23	5	3	25	ON	2	29	33	79	45E	678323	783872	7	4	15	39	934	15339	
		OFF	2	25	16	88	56E	678557	783314	7	4	16	45	948	15485			
23	5	4	25	ON	2	28	37	82	7E	688683	785437	7	4	17	56	946	15476	
		OFF	2	16	21	83	7E	684159	789127	7	4	19	1	951	15541			
24	5	1	17	ON	2	49	31	48	53E	696232	721657	7	5	48	14	855	28414	
		OFF	2	46	41	58	29E	691898	717152	7	5	48	59	9	2	28459		
25	6	1	25	ON	2	19	25	37	7E	681655	786529	7	7	17	47	946	26267	
		OFF	2	15	14	38	5E	685661	718686	7	7	18	51	951	26331			
25	6	2	41	ON	2	5	38	48	8E	788752	726347	7	7	21	17	18	1	26477
		OFF	3	1	38	41	37E	717653	743886	7	7	23	8	18	9	26588		
26	6	1	77	ON	2	21	8	14	4E	688552	785384	7	8	47	7	943	31627	
		OFF	2	8	8	17	8E	696493	721927	7	8	58	27	958	31827			
27	4	1	71	ON	2	28	35	8	26W	631812	785861	7	18	17	2	943	37822	
		OFF	2	8	25	5	43W	695969	721382	7	18	28	8	957	37288			
31	8	1	17	ON	2	48	24	185	6W	683566	788512	7	16	11	8	918	58268	
		OFF	2	37	33	184	8W	681318	786188	7	16	11	44	915	58384			
32	8	8	15	ON	2	37	42	126	41W	681353	786216	7	17	41	28	914	63688	
		OFF	2	35	14	125	49W	679987	784715	7	17	42	6	918	63726			
33	3	1	17	ON	2	65	58	172	18W	729812	755678	7	19	3	27	734	68687	
		OFF	2	63	21	167	58W	722832	748434	7	19	4	16	752	68656			
34	7	1	48	ON	2	65	26	166	4E	727124	753718	7	28	33	23	737	74883	
		OFF	2	59	15	174	41E	712853	738877	7	28	35	13	814	74113			
37	4	1	26	ON	2	45	12	116	53E	687838	712946	8	1	8	19	855	4899	
		OFF	2	48	58	118	52E	683386	788326	8	1	9	28	9	4	4168		
37	4	2	26	ON	2	32	5	122	8E	678796	783562	8	1	11	43	919	4383	
		OFF	2	27	46	123	17E	678779	783545	8	1	12	58	925	4378			
39	8	1	26	ON	2	37	29	74	53E	688828	785672	8	4	9	51	9	9	14991
		OFF	2	33	8	76	23E	679831	783886	8	4	18	58	916	15858			
39	8	2	79	ON	2	38	27	77	13E	678678	783432	8	4	11	48	928	15188	
		OFF	2	17	16	88	39E	665682	718787	8	4	15	2	937	15382			
42	3	1	16	ON	2	26	3	55	58E	679443	784234	8	5	42	33	925	28553	
		OFF	2	23	16	56	33E	688751	785591	8	5	43	16	929	28596			
42	3	2	19	ON	2	28	6	57	28E	683855	787981	8	5	44	4	933	28644	
		OFF	2	16	47	58	7E	686481	711453	8	5	44	55	937	28695			
41	5	1	71	ON	2	22	38	34	5E	681265	786124	8	7	13	18	929	25998	
		OFF	2	18	26	36	52E	695738	721135	8	7	16	16	943	26176			
43	4	1	25	ON	2	28	37	12	47W	678987	783761	8	18	11	9	919	36669	
		OFF	2	24	18	11	37W	688496	785327	8	18	12	15	925	36735			

43	4	2	25	ON	2	21	37	18	56W	682236	787132	8	18	12	57	929	36777
				OFF	2	17	28	9	55W	686385	711355	8	18	14	3	934	36843
47	6	1	25	ON	2	22	26	181	41W	682221	787116	8	16	11	44	924	58384
				OFF	2	18	14	188	41W	686862	711182	8	16	12	48	938	58368
51	3	1	88	ON	2	67	32	136	52E	726479	753849	8	21	58	32	7	6
				OFF	2	54	1	154	33E	697868	723347	8	22	2	38	828	79358
52	3	1	48	ON	2	56	48	129	36E	782388	728846	8	23	31	29	8	9
				OFF	2	58	22	134	26E	692277	717553	8	23	33	14	831	84794
53	3	1	23	ON	2	73	13	69	57E	745665	772962	9	8	55	45	535	3345
				OFF	2	78	52	81	46E	736888	762931	9	8	56	58	623	3418
53	3	2	38	ON	2	45	38	114	31E	686423	711478	9	1	4	17	842	3857
				OFF	2	39	9	117	19E	681456	786323	9	1	5	57	855	3957
53	3	3	37	ON	2	33	23	119	22E	679545	784348	9	1	7	26	9	4
				OFF	2	27	5	121	15E	688452	785281	9	1	9	3	914	4143
54	3	1	49	ON	2	57	45	83	26E	783672	729379	9	2	38	43	8	4
				OFF	2	49	48	89	31E	691274	716512	9	2	32	53	838	9173
54	3	2	28	ON	2	37	58	95	11E	688812	785655	9	2	36	1	856	9361
				OFF	2	34	31	96	21E	679768	784571	9	2	36	52	9	2
55	4	1	74	ON	2	67	33	46	18E	725127	751646	9	3	57	31	7	2
				OFF	2	56	18	62	8E	728898	726492	9	4	8	52	8	9
55	4	2	17	ON	2	52	2	65	26E	694178	719525	9	4	2	2	823	14522
				OFF	2	49	12	67	14E	698392	715596	9	4	2	48	831	14568
55	4	3	65	ON	2	19	41	77	52E	686117	711168	9	4	18	25	921	15825
				OFF	2	8	25	88	22E	783355	729847	9	4	13	17	934	15197
56	8	1	28	ON	2	49	38	44	25E	698661	715876	9	5	32	27	838	19947
				OFF	2	46	18	46	12E	687883	712888	9	5	33	18	838	19998
6	8	2	16	ON	2	18	38	55	29E	637476	712569	9	5	48	26	922	28426
				OFF	2	15	48	56	8E	691855	716283	9	5	41	9	925	28469
57	9	1	38	ON	3	18	8	38	53E	755226	782883	9	7	17	27	953	26247
				OFF	3	17	23	48	38E	782748	811444	9	7	19	28	18	1
63	2	1	16	ON	2	34	18	187	14W	688241	785862	9	16	4	38	855	57878
				OFF	2	31	28	186	28W	688371	785197	9	16	5	22	9	8
63	2	2	25	ON	2	21	42	183	41W	685666	718692	9	16	7	49	913	58869
				OFF	2	17	26	182	41W	698476	715683	9	16	8	54	918	58134
66	9	1	42	ON	2	67	33	157	17E	721544	747927	9	28	24	38	653	73478
				OFF	2	61	27	167	43E	727917	733784	9	28	26	31	737	73591
68	9	1	22	ON	2	71	28	99	47E	732412	759287	9	23	22	48	6	1
				OFF	2	68	43	189	6E	723996	758472	9	23	23	43	648	84223
68	9	2	21	ON	2	62	33	128	58E	729648	735573	9	23	25	48	729	84348
				OFF	2	59	23	124	52E	723632	729337	9	23	26	35	746	84395
68	9	3	34	ON	3	5	3	148	52E	743876	778273	9	23	43	18	938	85398
				OFF	3	11	38	158	13E	765893	793126	9	23	44	57	945	85497
69	9	1	22	ON	2	74	48	53	16E	748212	775686	18	8	58	38	423	3838
				OFF	2	73	14	67	43E	739848	766895	18	8	51	34	522	3894
69	9	2	66	ON	3	18	55	129	14E	794252	823394	18	1	16	34	953	4594
				OFF	3	32	24	132	52E	853494	884981	18	1	28	3	1811	4883
78	9	1	67	ON	2	49	36	87	28E	689338	714583	18	2	28	44	818	8924
				OFF	2	38	45	92	48E	681489	786358	18	2	31	35	842	9895
78	9	2	34	ON	2	1	51	182	11E	723596	758854	18	2	41	8	929	9668
				OFF	3	4	38	183	29E	742141	769382	18	2	42	37	936	9757
1	9	1	28	ON	2	47	1	66	18E	686671	711735	18	3	59	9	824	14349

	OFF	2	43	44	67	56E	684846	789811	18	4	8	1	831	14481				
71	9	2	49	ON	2	38	29	72	58E	681389	786253	18	4	3	27	854	14687	
	OFF	2	22	18	75	4E	686588	711648	18	4	5	33	9	5	14733			
71	9	3	47	ON	2	15	48	76	38E	694859	728231	18	4	7	14	913	14834	
	OFF	2	7	25	78	25E	718322	736278	18	4	9	28	923	14968				
72	8	1	114	ON	2	56	28	37	11E	698886	723582	18	5	26	28	755	19588	
	OFF	2	38	18	47	38E	681376	786248	18	5	31	12	841	19872				
73	8	1	69	ON	2	15	37	31	23E	695446	728848	18	7	6	42	912	25682	
	OFF	2	3	22	33	59E	728674	747821	18	7	9	49	925	25789				
73	8	2	33	ON	3	7	6	36	7E	751788	779387	18	7	12	29	936	25949	
	OFF	3	13	29	37	28E	774597	882998	18	7	14	7	944	26847				
75	6	1	45	ON	2	23	1	15	38W	686654	711717	18	18	4	16	9	1	36256
	OFF	2	15	28	13	48W	696391	721828	18	18	6	14	918	36374				
78	7	1	16	ON	2	39	24	88	37W	681929	786814	18	14	29	14	834	52154	
	OFF	2	36	44	87	37W	681389	786253	18	14	29	55	839	52195				
78	7	2	76	ON	2	8	48	78	39W	729298	755972	18	14	39	6	924	52746	
	OFF	3	13	28	75	48W	776714	885188	18	14	42	44	948	52964				
79	7	1	15	ON	2	33	17	189	5W	681567	786438	18	16	8	33	844	57633	
	OFF	2	38	48	188	16W	682268	787165	18	16	1	13	848	57673				

OPERATIONS SUMMARY

AFT PAN CAMERA NUMBER 142

OPN NO	FRA	Q	LAT	LONG	HEIGHT	RANGE	DA	H	M	S	LTIM	S-TIM						
PRE-FLT	188																	
1	6	2	16	ON	2	54	17	153	34W	738896	734888	5	19	14	13	859	69253	
	OFF	2	51	57	151	52W	724846	729766	5	19	14	51	9	7	69291			
5	4	1	44	ON	2	62	44	187	1E	728274	754912	6	1	11	8	819	4268	
	OFF	2	55	19	115	8E	718854	736882	6	1	13	6	853	4386				
5	4	2	18	ON	2	47	21	128	19E	694859	728232	6	1	15	15	916	4515	
	OFF	2	44	16	121	53E	698177	715373	6	1	16	4	923	4564				
5	4	3	26	ON	3	8	16	134	4E	729354	735273	6	1	27	28	1823	5248	
	OFF	3	4	15	135	8E	721156	747522	6	1	28	29	1828	5389				
7	5	1	69	ON	2	38	2	81	52E	678838	782767	6	4	19	28	946	15568	
	OFF	2	18	36	84	52E	688882	785644	6	4	22	15	18	1	15735			
8	4	1	37	ON	2	71	6	19	48E	754575	782211	6	5	37	35	656	28255	
	OFF	2	66	6	33	27E	736914	763879	6	5	39	21	753	28361				
8	4	2	28	ON	2	64	16	36	43E	731483	758242	6	5	39	55	8	6	28395
	OFF	2	59	59	42	32E	728838	746364	6	5	41	11	831	28471				
9	7	8	13	ON	1	37	27	115	53W	922353	956488	6	6	51	52	23	8	24712
	OFF	1	48	22	114	45W	914286	947947	6	6	52	39	2313	24759				
9	7	1	28	ON	2	26	16	37	39E	677819	782549	6	7	19	52	958	26392	
	OFF	2	22	59	38	38E	678588	783346	6	7	28	42	954	26442				
18	4	1	19	ON	2	29	21	14	8E	677378	782891	6	8	48	52	945	31732	
	OFF	2	26	5	15	3E	677298	782888	6	8	49	42	949	31782				
18	4	2	61	ON	2	24	23	15	38E	677624	782346	6	8	58	8	952	31888	
	OFF	2	14	9	17	56E	685858	718868	6	8	52	44	18	4	31964			
11	8	1	62	ON	2	25	21	7	24W	676876	781578	6	18	19	48	958	37188	
	OFF	2	15	7	4	55W	633557	788582	6	18	22	17	18	2	37337			
13	7	1	68	ON	3	12	8	44	31W	748598	775995	6	13	28	47	1838	48527	
	OFF	3	23	25	41	54W	792152	821215	6	13	31	41	1844	48781				

14	3	1	42	ON	2	13	38	72	31W	686766	711833	6	14	51	59	18	1	53519
			OFF	2	6	21	78	58W	698462	723969	6	14	53	58	18	9	53638	
14	3	2	34	ON	3	13	58	66	46W	755529	783198	6	14	59	2	1831	53942	
			OFF	3	28	22	65	18W	788858	888668	6	15	8	41	1839	54841		
16	3	8	15	ON	2	38	42	124	58W	682619	787538	6	17	45	8	925	63988	
			OFF	2	36	14	123	56W	688726	785566	6	17	45	46	938	63946		
28	3	1	39	ON	2	68	26	138	17E	717271	743492	6	23	38	23	819	85183	
			OFF	2	54	18	136	14E	783793	729584	6	23	48	8	845	85288		
28	3	2	35	ON	2	58	56	138	31E	697928	723418	6	23	41	1	855	85261	
			OFF	2	45	9	141	46E	689228	714389	6	23	42	33	9	9	85353	
21	3	1	21	ON	2	68	27	187	37E	717884	743215	7	1	8	9	818	4889	
			OFF	2	57	9	111	3E	789582	735512	7	1	9	5	833	4145		
21	3	2	26	ON	2	49	26	116	48E	695228	728687	7	1	11	11	858	4271	
			OFF	2	45	6	119	9E	688998	714141	7	1	12	28	9	8	4348	
22	3	1	28	ON	2	74	11	43	38E	764313	792319	7	2	32	52	527	9172	
			OFF	2	72	34	55	48E	754583	782219	7	2	33	49	617	9229		
22	3	2	38	ON	2	59	27	86	7E	714312	748421	7	2	38	13	822	9493	
			OFF	2	54	42	98	32E	784282	738812	7	2	39	32	841	9572		
22	3	3	38	ON	2	42	28	97	44E	685725	718754	7	2	42	48	913	9768	
			OFF	2	36	18	188	13E	688415	785243	7	2	44	26	925	9866		
22	3	4	34	ON	2	25	31	183	27E	678697	783459	7	2	47	18	941	18838	
			OFF	2	19	45	184	55E	681825	786785	7	2	48	38	948	18118		
23	5	1	17	ON	2	45	28	73	41E	689142	714299	7	4	11	47	9	6	15187
			OFF	2	42	38	75	8E	685785	718815	7	4	12	32	912	15152		
23	5	2	28	ON	2	35	32	77	47E	688888	784812	7	4	14	22	925	15262	
			OFF	2	32	11	78	53E	678653	783414	7	4	15	14	938	15314		
3	5	3	26	ON	2	38	38	79	24E	678323	783872	7	4	15	39	933	15339	
			OFF	2	26	14	88	37E	678557	783314	7	4	16	45	939	15485		
23	5	4	25	ON	2	21	35	81	49E	688683	785437	7	4	17	56	945	15476	
			OFF	2	17	19	82	58E	684159	789127	7	4	19	1	958	15541		
24	5	1	17	ON	2	58	28	48	14E	696232	721657	7	5	48	14	853	28414	
			OFF	2	47	37	49	54E	691898	717152	7	5	48	59	9	8	28459	
25	6	1	25	ON	2	28	23	36	58E	691655	786529	7	7	17	47	945	26267	
			OFF	2	16	12	37	48E	685661	718686	7	7	18	51	958	26331		
25	6	2	41	ON	2	6	38	39	52E	788752	726347	7	7	21	17	18	8	26477
			OFF	3	8	37	41	21E	717653	743886	7	7	23	8	18	8	26588	
26	6	1	78	ON	2	22	5	13	46E	688552	785384	7	8	47	7	942	31627	
			OFF	2	8	59	16	44E	696493	721927	7	8	58	27	957	31827		
27	4	1	72	ON	2	21	32	8	43W	651812	785861	7	18	17	2	942	37822	
			OFF	2	9	24	5	59W	695969	721382	7	18	28	8	956	37288		
31	8	1	17	ON	2	41	21	185	33W	683566	788512	7	16	11	8	9	8	58268
			OFF	2	38	38	184	25W	681318	786188	7	16	11	44	914	58384		
32	8	8	15	ON	2	38	39	127	7W	681353	786216	7	17	41	28	913	63688	
			OFF	2	36	18	126	12W	679987	784715	7	17	42	6	917	63726		
33	3	1	18	ON	2	66	47	174	2W	729812	755678	7	19	3	27	727	68687	
			OFF	2	64	13	169	15W	722832	748434	7	19	4	16	747	68656		
34	7	1	41	ON	2	66	16	164	24E	727124	753718	7	28	33	23	731	74883	
			OFF	2	68	9	173	38E	712853	738877	7	28	35	13	8	9	74113	
37	4	1	26	ON	2	46	9	116	21E	667838	712946	8	1	8	19	853	4899	
			OFF	2	41	47	118	24E	683386	788326	8	1	9	28	9	3	4168	
7	4	2	26	ON	2	33	2	121	38E	678796	783562	8	1	11	43	918	4383	

		OFF	2	28	43	122	57E	678779	703545	8	1	12	58	924	4378			
39	8	1	26	ON	2	38	25	74	28E	688828	705672	8	4	9	51	9	7	14991
		OFF	2	34	5	76	1E	679031	703886	8	4	10	58	915	15858			
39	8	2	88	ON	2	31	24	76	52E	678678	703432	8	4	11	48	919	15188	
		OFF	2	18	14	80	21E	685682	710707	8	4	15	2	936	15382			
40	3	1	16	ON	2	27	8	55	38E	679443	704234	8	5	42	33	924	20553	
		OFF	2	24	14	56	15E	688751	705591	8	5	43	16	928	20596			
40	3	2	19	ON	2	21	4	57	3E	683055	707981	8	5	44	4	932	20644	
		OFF	2	17	45	57	58E	686401	711453	8	5	44	55	936	20695			
41	5	1	72	ON	2	23	35	33	46E	681265	706124	8	7	13	18	928	25998	
		OFF	2	11	25	36	36E	695738	721135	8	7	16	16	942	26176			
43	4	1	26	ON	2	29	34	13	8W	678987	703761	8	10	11	9	918	36669	
		OFF	2	25	16	11	56W	688496	705327	8	10	12	15	924	36735			
43	4	2	25	ON	2	22	35	11	14W	682236	707132	8	10	12	57	927	36777	
		OFF	2	18	18	10	12W	686305	711355	8	10	14	3	933	36843			
47	6	1	25	ON	2	23	24	102	8W	682221	707116	8	16	11	44	923	58384	
		OFF	2	19	12	100	58W	686062	711102	8	16	12	48	928	58368			
51	3	1	89	ON	2	68	19	134	55E	726479	753049	8	21	58	32	658	79112	
		OFF	2	54	57	153	46E	697860	723347	8	22	2	38	817	79358			
52	3	1	40	ON	2	57	43	128	41E	702388	728046	8	23	31	29	8	6	84689
		OFF	2	51	17	133	47E	692277	717553	8	23	33	14	828	84794			
53	3	1	23	ON	2	73	41	66	27E	745665	772962	9	8	55	45	521	3345	
		OFF	2	71	31	79	4E	736080	762931	9	8	56	58	613	3418			
53	3	2	39	ON	2	46	26	113	59E	686423	711478	9	1	4	17	848	3857	
		OFF	2	40	5	116	53E	681456	706323	9	1	5	57	853	3957			
53	3	3	38	ON	2	34	28	118	59E	679545	704340	9	1	7	26	9	3	4046
		OFF	2	28	2	120	55E	680452	705281	9	1	9	3	912	4143			
54	3	1	50	ON	2	58	39	82	28E	703672	729379	9	2	30	43	8	8	9843
		OFF	2	50	44	88	52E	691274	716512	9	2	32	53	828	9173			
54	3	2	20	ON	2	38	47	94	46E	680812	705655	9	2	36	1	855	9361	
		OFF	2	35	28	95	58E	679768	704571	9	2	36	52	9	8	9412		
55	4	1	75	ON	2	68	19	44	28E	725127	751646	9	3	57	31	654	14251	
		OFF	2	57	13	61	15E	700890	726492	9	4	8	52	8	5	14452		
55	4	2	17	ON	2	52	57	64	43E	694178	719525	9	4	2	2	828	14522	
		OFF	2	50	8	66	37E	690392	715596	9	4	2	48	829	14568			
55	4	3	66	ON	2	20	39	77	34E	686117	711160	9	4	10	25	928	15025	
		OFF	2	9	25	80	5E	703355	729047	9	4	13	17	933	15197			
56	8	1	20	ON	2	50	26	43	47E	690661	715876	9	5	32	27	827	19947	
		OFF	2	47	14	45	39E	687003	712000	9	5	33	18	835	19998			
56	8	2	16	ON	2	19	36	55	11E	687476	712569	9	5	40	26	921	20426	
		OFF	2	16	47	55	51E	691055	716283	9	5	41	9	924	20469			
57	9	1	39	ON	3	8	56	38	35E	755226	782883	9	7	17	27	951	26247	
		OFF	3	16	17	40	11E	782740	811444	9	7	19	20	10	8	26368		
63	2	1	17	ON	2	35	7	107	37W	680241	705062	9	16	4	38	854	57878	
		OFF	2	32	18	106	41W	680371	705197	9	16	5	22	858	57922			
63	2	2	25	ON	2	22	48	104	8W	635666	710692	9	16	7	49	911	58069	
		OFF	2	18	25	102	58W	690476	715683	9	16	8	54	917	58134			
66	9	1	42	ON	2	68	19	155	28E	721544	747927	9	20	24	38	646	73478	
		OFF	2	62	19	166	38E	707917	733784	9	20	26	31	732	73591			
68	9	1	23	ON	2	72	5	96	55E	732412	759207	9	23	22	48	550	84160	
		OFF	2	69	27	106	56E	723996	750472	9	23	23	43	631	84223			

58	9	2	21	ON	2	63	25	119	48E	789648	735573	9	23	25	48	724	84348	
				OFF	2	68	16	123	49E	763632	729337	9	23	26	35	741	84395	
68	9	3	34	ON	3	3	59	148	35E	743876	778273	9	23	43	18	937	85398	
				OFF	3	18	24	149	55E	765893	793126	9	23	44	57	944	85497	
69	9	1	22	ON	2	74	52	49	8E	748212	775686	18	8	58	38	4	7	3838
				OFF	2	73	41	64	14E	739848	766895	18	8	51	34	5	8	3894
69	9	2	67	ON	3	17	48	128	54E	794252	823394	18	1	16	34	952	4594	
				OFF	3	31	12	132	25E	853494	884981	18	1	28	3	18	9	4883
78	9	1	68	ON	2	58	32	86	58E	689338	714583	18	2	28	44	816	8924	
				OFF	2	39	41	92	15E	681489	786358	18	2	31	35	848	9895	
78	9	2	35	ON	2	2	52	181	55E	723596	758854	18	2	41	8	928	9668	
				OFF	3	3	27	183	12E	742141	769382	18	2	42	37	935	9757	
71	9	1	28	ON	2	47	57	65	44E	686671	711735	18	3	59	9	822	14349	
				OFF	2	44	48	67	26E	684846	789811	18	4	8	1	829	14481	
71	9	2	49	ON	2	31	27	72	29E	681389	786253	18	4	3	27	853	14687	
				OFF	2	23	16	74	46E	686588	711648	18	4	5	33	9	4	14733
71	9	3	47	ON	2	16	39	76	21E	694859	728231	18	4	7	14	912	14834	
				OFF	2	8	25	78	8E	718322	736278	18	4	9	28	921	14968	
72	8	1	116	ON	2	57	23	36	18E	698886	723582	18	5	26	28	751	19588	
				OFF	2	39	7	47	12E	681376	786248	18	5	31	12	848	19872	
73	8	1	78	ON	2	16	36	31	6E	695446	728848	18	7	6	42	911	25682	
				OFF	2	4	23	33	42E	728674	747821	18	7	9	49	924	25789	
73	8	2	34	ON	3	6	2	35	58E	751788	779387	18	7	12	29	935	25949	
				OFF	3	12	23	37	19E	774597	882998	18	7	14	7	942	26847	
75	6	1	45	ON	2	23	59	15	56W	686654	711717	18	18	4	16	9	8	36256
				OFF	2	16	19	14	5W	696391	721828	18	18	6	14	9	9	36374
78	7	1	16	ON	2	48	28	89	4W	681929	786814	18	14	29	14	832	52154	
				OFF	2	37	41	88	2W	681389	786253	18	14	29	55	837	52195	
78	7	2	78	ON	2	1	58	78	55W	729298	755972	18	14	39	6	923	52746	
				OFF	3	12	22	75	59W	776714	885188	18	14	42	44	938	52964	
79	7	1	16	ON	2	34	14	189	27W	681567	786438	18	16	8	33	842	57633	
				OFF	2	31	38	188	37W	682268	787165	18	16	1	13	846	57673	

PHOTOGRAPHIC SUMMARY

FWD PAN	CAMERA NO	127	8.1758	SLIT	W/21	FILTER	3484	FILM			
OPN NO	FRA	FEET	ET	S-EL	S-DIR	EV	FULL	INT	PRI		
PRE-FLT	188	264.5									
1	6	8	16	42.3	ON 311	22.3	-19.3	12.13	12.47	11.87	11.27
					OFF 314	24.7	-19.7	12.15	12.53	11.93	11.33
5	4	1	44	116.4	ON 299	12.7	-18.7	12.88	11.98	11.38	18.78
					OFF 311	28.8	-19.8	12.13	12.42	11.82	11.22
5	4	2	18	47.6	ON 322	28.9	-21.4	12.18	12.61	12.01	11.41
					OFF 326	32.8	-22.2	12.28	12.65	12.85	11.45
5	4	3	26	68.8	ON 334	68.8	-63.1	12.24	12.75	12.15	11.55
					OFF 331	78.5	-75.8	12.22	12.75	12.15	11.55
7	5	1	68	179.9	ON 338	45.4	-27.8	12.25	12.74	12.14	11.54
					OFF 341	55.5	-35.5	12.27	12.75	12.15	11.55
8	4	1	37	97.9	ON 383	1.7	-18.1	12.89	18.55	9.95	9.35
					OFF 312	8.4	-18.8	12.14	11.57	18.97	18.37
9	4	2	27	71.4	ON 316	18.6	-19.8	12.16	11.88	11.28	18.68

			OFF 322	15.5	-19.6	12.18	12.17	11.57	10.97
9 7 0	13	34.4	ON 238	-55.3	324.4	11.75	8.88	8.88	8.88
			OFF 248	-52.7	326.8	11.76	8.88	8.88	8.88
9 7 1	19	58.3	ON 341	48.5	-38.3	12.27	12.75	12.15	11.55
			OFF 348	51.5	-32.4	12.26	12.75	12.15	11.55
10 4 1	19	58.3	ON 341	45.6	-28.7	12.27	12.74	12.14	11.54
			OFF 341	48.5	-38.6	12.27	12.75	12.15	11.55
10 4 2	61	161.3	ON 348	58.1	-31.6	12.26	12.75	12.15	11.55
			OFF 335	58.7	-48.5	12.24	12.75	12.15	11.55
11 8 1	61	161.3	ON 341	49.8	-31.2	12.26	12.75	12.15	11.55
			OFF 336	57.8	-39.6	12.24	12.75	12.15	11.55
13 7 1	59	156.1	ON 383	69.6	-96.1	12.89	12.75	12.15	11.55
			OFF 286	65.5	-123.4	12.81	12.75	12.15	11.55
14 3 1	42	111.1	ON 328	58.4	-41.8	12.21	12.75	12.15	11.55
			OFF 321	63.6	-51.8	12.18	12.75	12.15	11.55
14 3 2	33	87.3	ON 294	69.2	-188.8	12.85	12.75	12.15	11.55
			OFF 284	67.8	-116.6	12.88	12.75	12.15	11.55
16 3 0	14	37.8	ON 334	36.8	-25.9	12.24	12.69	12.89	11.49
			OFF 335	38.4	-26.8	12.24	12.71	12.11	11.51
20 3 1	39	103.2	ON 318	13.8	-21.7	12.16	12.86	11.46	10.86
			OFF 325	28.3	-22.7	12.19	12.48	11.88	11.28
20 3 2	35	92.6	ON 328	23.6	-23.3	12.21	12.51	11.91	11.31
			OFF 332	29.3	-24.6	12.23	12.62	12.82	11.42
21 3 1	28	52.9	ON 318	13.6	-21.8	12.16	12.85	11.45	10.85
			OFF 321	17.1	-22.3	12.18	12.26	11.66	11.86
21 3 2	26	68.8	ON 329	25.8	-23.8	12.21	12.54	11.94	11.34
			OFF 332	29.2	-24.8	12.23	12.61	12.81	11.41
22 3 1	19	58.3	ON 298	-5.5	-28.1	12.83	8.88	8.88	8.88
			OFF 296	-1.9	-28.4	12.86	8.88	8.88	8.88
22 3 2	29	76.7	ON 319	14.6	-22.1	12.17	12.12	11.52	10.92
			OFF 324	19.6	-22.9	12.19	12.38	11.78	11.18
22 3 3	38	188.5	ON 333	31.7	-25.8	12.23	12.65	12.85	11.45
			OFF 335	37.6	-27.9	12.24	12.78	12.18	11.58
22 3 4	34	89.9	ON 334	47.2	-33.2	12.24	12.75	12.15	11.55
			OFF 331	52.1	-37.3	12.22	12.75	12.15	11.55
23 5 1	17	45.8	ON 332	28.6	-25.1	12.23	12.61	12.81	11.41
			OFF 333	31.4	-25.9	12.23	12.64	12.84	11.44
23 5 2	28	52.9	ON 335	38.1	-28.3	12.24	12.78	12.18	11.58
			OFF 335	41.1	-29.8	12.24	12.72	12.12	11.52
23 5 3	25	66.1	ON 335	42.7	-38.6	12.24	12.73	12.13	11.53
			OFF 334	46.5	-32.9	12.24	12.75	12.15	11.55
23 5 4	25	66.1	ON 332	58.5	-36.8	12.23	12.75	12.15	11.55
			OFF 338	54.8	-39.6	12.22	12.75	12.15	11.55
24 5 1	17	45.8	ON 328	23.6	-24.1	12.21	12.51	11.91	11.31
			OFF 338	26.4	-24.7	12.22	12.57	11.97	11.37
25 6 1	25	66.1	ON 331	51.1	-37.3	12.22	12.75	12.15	11.55
			OFF 329	54.5	-41.8	12.21	12.75	12.15	11.55
25 6 2	41	188.4	ON 328	61.3	-52.6	12.17	12.75	12.15	11.55
			OFF 311	65.2	-65.6	12.13	12.75	12.15	11.55
26 6 1	77	283.7	ON 333	49.5	-36.2	12.23	12.75	12.15	11.55
			OFF 323	59.6	-49.4	12.19	12.75	12.15	11.55

-7	4	1	71	187.8	ON	333	49.8	-36.8	12.23	12.75	12.15	11.55
					OFF	324	59.1	-48.9	12.19	12.75	12.15	11.55
31	8	1	17	45.8	ON	335	31.6	-27.7	12.24	12.64	12.84	11.44
					OFF	336	34.2	-28.6	12.24	12.67	12.87	11.47
32	8	8	15	39.7	ON	336	34.8	-28.7	12.24	12.67	12.87	11.47
					OFF	336	36.2	-29.7	12.25	12.69	12.89	11.49
33	3	1	17	45.8	ON	311	5.3	-23.1	12.13	11.15	10.55	9.95
					OFF	315	8.3	-23.4	12.15	11.55	10.95	10.35
34	7	1	48	185.8	ON	312	5.8	-23.3	12.14	11.23	10.63	10.03
					OFF	321	12.6	-24.1	12.18	11.97	11.37	10.77
37	4	1	26	68.8	ON	332	26.3	-27.3	12.23	12.56	11.96	11.36
					OFF	334	38.4	-28.6	12.24	12.63	12.83	11.43
37	4	2	26	68.8	ON	336	38.4	-31.8	12.25	12.71	12.11	11.51
					OFF	336	42.2	-33.9	12.25	12.73	12.13	11.53
39	8	1	26	68.8	ON	335	33.2	-38.8	12.24	12.66	12.86	11.46
					OFF	336	37.1	-31.7	12.25	12.78	12.18	11.58
39	8	2	79	289.8	ON	336	39.5	-32.9	12.25	12.71	12.11	11.51
					OFF	332	58.5	-41.4	12.23	12.75	12.15	11.55
48	3	1	16	42.3	ON	335	43.2	-35.4	12.24	12.74	12.14	11.54
					OFF	334	45.5	-37.1	12.23	12.74	12.14	11.54
48	3	2	19	58.3	ON	332	48.1	-39.3	12.23	12.75	12.15	11.55
					OFF	338	58.7	-41.9	12.22	12.75	12.15	11.55
41	5	1	71	187.8	ON	333	45.9	-37.7	12.23	12.75	12.15	11.55
					OFF	324	55.2	-48.3	12.19	12.75	12.15	11.55
43	4	1	25	66.1	ON	336	48.5	-34.5	12.24	12.72	12.12	11.52
					OFF	334	44.2	-36.9	12.24	12.74	12.14	11.54
3	4	2	25	66.1	ON	332	46.4	-38.7	12.23	12.75	12.15	11.55
					OFF	338	49.8	-41.9	12.22	12.75	12.15	11.55
47	6	1	25	66.1	ON	333	45.1	-38.7	12.23	12.74	12.14	11.54
					OFF	338	48.4	-41.8	12.22	12.75	12.15	11.55
51	3	1	88	232.8	ON	311	1.7	-26.8	12.13	10.56	9.96	9.36
					OFF	328	16.1	-27.8	12.21	12.21	11.61	11.01
52	3	1	48	185.8	ON	326	13.2	-27.5	12.28	12.82	11.42	10.82
					OFF	331	19.5	-28.7	12.22	12.37	11.77	11.17
53	3	1	23	68.8	ON	299	-6.7	-25.8	12.87	8.88	8.88	8.88
					OFF	385	-2.8	-26.8	12.18	8.88	8.88	8.88
53	3	2	38	188.5	ON	334	24.8	-29.9	12.24	12.51	11.91	11.31
					OFF	336	29.8	-31.8	12.25	12.62	12.82	11.42
53	3	3	37	97.9	ON	336	34.9	-33.9	12.25	12.68	12.88	11.48
					OFF	335	48.3	-36.9	12.24	12.72	12.12	11.52
54	3	1	49	129.6	ON	325	12.8	-27.7	12.28	11.92	11.32	10.72
					OFF	332	19.8	-29.1	12.23	12.38	11.78	11.18
54	3	2	20	52.9	ON	336	38.8	-32.4	12.25	12.64	12.84	11.44
					OFF	337	33.7	-33.6	12.25	12.67	12.87	11.47
55	4	1	74	195.7	ON	312	1.4	-26.7	12.14	10.48	9.88	9.28
					OFF	326	13.4	-28.1	12.28	12.83	11.43	10.83
55	4	2	17	45.8	ON	338	17.6	-28.8	12.22	12.28	11.68	11.08
					OFF	332	28.3	-29.4	12.23	12.48	11.88	11.28
55	4	3	65	171.9	ON	331	45.9	-41.8	12.22	12.75	12.15	11.55
					OFF	321	53.9	-52.8	12.18	12.75	12.15	11.55
6	8	1	28	52.9	ON	333	19.8	-29.5	12.23	12.39	11.79	11.19



			OFF 334	22.8	-38.2	12.24	12.48	11.88	11.28		
56	8	2	16	42.3	ON 329	46.5	-42.7	12.21	12.75	12.15	11.55
			OFF 327	48.6	-45.8	12.28	12.75	12.15	11.55		
57	9	1	38	188.5	ON 294	61.5	-88.3	12.85	12.75	12.15	11.55
			OFF 283	61.9	-94.6	12.88	12.75	12.15	11.55		
63	2	1	16	42.3	ON 336	32.7	-35.1	12.25	12.66	12.86	11.46
			OFF 336	35.1	-36.3	12.24	12.68	12.88	11.48		
63	2	2	25	66.1	ON 331	43.8	-41.5	12.22	12.73	12.13	11.53
			OFF 327	46.2	-44.5	12.21	12.75	12.15	11.55		
66	9	1	42	111.1	ON 318	8.3	-28.6	12.16	18.27	9.67	9.87
			OFF 326	7.8	-29.2	12.28	11.39	18.79	18.19		
68	9	1	22	58.2	ON 311	-5.8	-28.7	12.13	8.88	8.88	8.88
			OFF 316	-1.3	-28.9	12.16	8.88	8.88	8.88		
68	9	2	21	55.5	ON 325	5.6	-29.5	12.28	11.28	18.68	18.88
			OFF 329	8.9	-29.8	12.21	11.62	11.82	18.42		
68	9	3	34	89.9	ON 382	58.1	-78.9	12.89	12.75	12.15	11.55
			OFF 292	59.7	-81.7	12.84	12.75	12.15	11.55		
69	9	1	22	58.2	ON 388	-11.7	-28.8	12.88	8.88	8.88	8.88
			OFF 386	-8.8	-28.7	12.11	8.88	8.88	8.88		
69	9	2	66	174.6	ON 281	59.8	-94.8	11.99	12.75	12.15	11.55
			OFF 266	55.9	-116.6	11.91	12.75	12.15	11.55		
78	9	1	67	177.2	ON 337	18.8	-31.7	12.25	12.31	11.71	11.11
			OFF 348	27.8	-34.6	12.26	12.59	11.99	11.39		
78	9	2	34	89.9	ON 311	54.8	-61.8	12.13	12.75	12.15	11.55
			OFF 382	57.5	-69.9	12.89	12.75	12.15	11.55		
71	9	1	28	52.9	ON 338	28.3	-32.4	12.25	12.48	11.88	11.28
			OFF 339	23.2	-33.3	12.26	12.58	11.98	11.38		
71	9	2	49	129.6	ON 338	34.6	-37.9	12.25	12.68	12.88	11.48
			OFF 334	41.2	-42.2	12.23	12.72	12.12	11.52		
71	9	3	47	124.3	ON 328	46.1	-46.9	12.21	12.75	12.15	11.55
			OFF 319	51.5	-54.5	12.17	12.75	12.15	11.55		
72	8	1	114	381.5	ON 332	11.3	-38.9	12.23	11.86	11.26	18.66
			OFF 348	28.8	-35.1	12.26	12.68	12.88	11.48		
73	8	1	69	182.5	ON 327	45.7	-47.2	12.21	12.75	12.15	11.55
			OFF 313	53.4	-59.2	12.14	12.75	12.15	11.55		
73	8	2	33	87.3	ON 298	57.8	-73.8	12.87	12.75	12.15	11.55
			OFF 288	59.8	-84.5	12.82	12.75	12.15	11.55		
75	6	1	45	119.8	ON 334	39.9	-42.3	12.23	12.72	12.12	11.52
			OFF 327	45.6	-47.6	12.21	12.74	12.14	11.54		
78	7	1	16	42.3	ON 348	26.1	-35.6	12.26	12.56	11.96	11.36
			OFF 348	28.3	-36.4	12.26	12.68	12.88	11.48		
78	7	2	76	281.8	ON 388	53.7	-62.5	12.12	12.75	12.15	11.55
			OFF 287	58.1	-83.7	12.82	12.75	12.15	11.55		
79	7	1	15	39.7	ON 339	31.1	-37.9	12.26	12.64	12.84	11.44
			OFF 338	33.2	-39.8	12.25	12.66	12.86	11.46		

PHOTOGRAPHIC SUMMARY

AFT PAN CAMERA NO 142 8.1758 SLIT W/21 FILTER 3484 FILM  
 OPN NO FRA FEET ET S-EL S-DIR EV FULL INT PRI  
 E-FLT 188 264.5

1 6 0	16	42.3	ON 314	21.2	-19.8	12.15	12.44	11.84	11.24
			OFF 318	23.7	-28.1	12.16	12.51	11.91	11.31
5 4 1	44	116.4	ON 382	11.7	-19.8	12.89	11.89	11.29	18.69
			OFF 314	19.7	-28.4	12.15	12.38	11.78	11.18
5 4 2	18	47.6	ON 326	27.9	-21.7	12.28	12.59	11.99	11.39
			OFF 329	31.8	-22.3	12.21	12.64	12.84	11.44
5 4 3	26	68.8	ON 338	68.2	-68.8	12.25	12.75	12.15	11.55
			OFF 334	78.1	-72.1	12.24	12.75	12.15	11.55
7 5 1	69	182.5	ON 342	44.5	-27.6	12.27	12.74	12.14	11.54
			OFF 345	54.7	-34.8	12.28	12.75	12.15	11.55
8 4 1	37	97.9	ON 386	8.6	-28.6	12.11	18.34	9.74	9.14
			OFF 316	7.4	-28.3	12.15	11.44	18.84	18.24
8 4 2	28	74.1	ON 319	9.6	-28.3	12.17	11.69	11.89	18.49
			OFF 325	14.4	-28.5	12.28	12.18	11.58	18.98
9 7 8	13	34.4	ON 242	-56.3	322.7	11.77	8.88	8.88	8.88
			OFF 243	-53.8	325.3	11.78	8.88	8.88	8.88
9 7 1	28	52.9	ON 344	47.6	-29.9	12.28	12.75	12.15	11.55
			OFF 343	58.6	-31.9	12.28	12.75	12.15	11.55
10 4 1	19	58.3	ON 345	44.7	-28.5	12.28	12.74	12.14	11.54
			OFF 344	47.6	-38.2	12.28	12.75	12.15	11.55
10 4 2	61	161.3	ON 344	49.2	-31.2	12.28	12.75	12.15	11.55
			OFF 338	57.9	-39.5	12.25	12.75	12.15	11.55
11 8 1	62	164.8	ON 344	48.1	-38.8	12.28	12.75	12.15	11.55
			OFF 339	56.9	-38.8	12.26	12.75	12.15	11.55
13 7 1	68	158.7	ON 386	69.6	-93.8	12.11	12.75	12.15	11.55
			OFF 289	66.1	-128.9	12.83	12.75	12.15	11.55
4 3 1	42	111.1	ON 332	57.6	-48.8	12.23	12.75	12.15	11.55
			OFF 326	62.9	-58.3	12.28	12.75	12.15	11.55
14 3 2	34	89.9	ON 298	69.3	-97.8	12.87	12.75	12.15	11.55
			OFF 289	67.4	-113.9	12.83	12.75	12.15	11.55
16 3 8	15	39.7	ON 339	35.1	-25.9	12.26	12.68	12.88	11.48
			OFF 339	37.4	-26.7	12.26	12.78	12.18	11.58
20 3 1	39	183.2	ON 322	12.8	-22.6	12.18	11.98	11.38	18.78
			OFF 329	19.4	-23.2	12.21	12.37	11.77	11.17
20 3 2	35	92.6	ON 332	22.6	-23.7	12.23	12.48	11.88	11.28
			OFF 336	28.4	-24.8	12.25	12.68	12.88	11.48
21 3 1	21	55.5	ON 322	12.6	-22.7	12.18	11.97	11.37	18.77
			OFF 326	16.2	-23.8	12.28	12.21	11.61	11.81
21 3 2	26	68.8	ON 333	24.8	-24.1	12.23	12.52	11.92	11.32
			OFF 336	28.3	-25.8	12.25	12.68	12.88	11.48
22 3 1	28	52.9	ON 295	-6.6	-23.9	12.86	8.88	8.88	8.88
			OFF 388	-3.8	-23.4	12.88	8.88	8.88	8.88
22 3 2	38	79.3	ON 324	13.6	-23.8	12.19	12.85	11.45	18.85
			OFF 329	18.6	-23.5	12.21	12.33	11.73	11.13
22 3 3	38	188.5	ON 338	38.7	-25.9	12.25	12.63	12.83	11.43
			OFF 348	36.7	-27.8	12.26	12.69	12.89	11.49
22 3 4	34	89.9	ON 338	46.4	-32.8	12.26	12.75	12.15	11.55
			OFF 336	51.3	-36.7	12.24	12.75	12.15	11.55
23 5 1	17	45.8	ON 336	27.7	-25.3	12.25	12.59	11.99	11.39
			OFF 338	38.4	-26.8	12.25	12.63	12.83	11.43
3 5 2	28	52.9	ON 348	37.2	-28.2	12.26	12.78	12.18	11.58

CONFIDENTIAL

				OFF 348	48.2	-29.6	12.26	12.72	12.12	11.52	
23	5	3	26	68.8	ON 348	41.8	-38.3	12.26	12.73	12.13	11.53
				OFF 339	45.6	-32.6	12.26	12.74	12.14	11.54	
23	5	4	25	66.1	ON 337	49.6	-35.5	12.25	12.75	12.15	11.55
				OFF 334	53.1	-38.9	12.24	12.75	12.15	11.55	
24	5	1	17	45.8	ON 333	22.7	-24.5	12.23	12.48	11.88	11.28
				OFF 335	25.5	-25.8	12.24	12.55	11.95	11.35	
25	6	1	25	66.1	ON 336	58.3	-36.7	12.24	12.75	12.15	11.55
				OFF 333	53.7	-48.2	12.23	12.75	12.15	11.55	
25	6	2	41	188.4	ON 324	68.7	-51.2	12.19	12.75	12.15	11.55
				OFF 316	64.7	-63.5	12.15	12.75	12.15	11.55	
26	6	1	78	286.3	ON 337	48.7	-35.7	12.25	12.75	12.15	11.55
				OFF 327	58.9	-48.2	12.21	12.75	12.15	11.55	
27	4	1	72	198.4	ON 337	49.8	-36.2	12.25	12.75	12.15	11.55
				OFF 328	58.4	-47.8	12.21	12.75	12.15	11.55	
31	8	1	17	45.8	ON 339	38.7	-27.7	12.26	12.63	12.83	11.43
				OFF 348	33.3	-28.6	12.26	12.66	12.86	11.46	
32	8	8	15	39.7	ON 348	33.8	-28.7	12.26	12.66	12.86	11.46
				OFF 348	35.3	-29.6	12.26	12.68	12.88	11.48	
33	3	1	18	47.6	ON 315	4.3	-24.7	12.15	11.88	18.48	9.88
				OFF 319	7.3	-24.7	12.17	11.43	18.83	18.23	
34	7	1	41	188.4	ON 316	4.8	-24.8	12.16	11.88	18.48	9.88
				OFF 324	11.7	-25.8	12.19	11.89	11.29	18.69	
37	4	1	26	68.8	ON 335	25.3	-27.5	12.24	12.55	11.95	11.35
				OFF 338	29.5	-28.6	12.25	12.62	12.82	11.42	
37	4	2	26	68.8	ON 348	37.5	-31.7	12.26	12.78	12.18	11.58
				OFF 348	41.3	-33.7	12.26	12.73	12.13	11.53	
39	8	1	26	68.8	ON 339	32.3	-38.8	12.26	12.65	12.85	11.45
				OFF 348	36.3	-31.6	12.26	12.69	12.89	11.49	
39	8	2	82	211.6	ON 348	38.6	-32.7	12.26	12.71	12.11	11.51
				OFF 336	49.7	-48.7	12.24	12.75	12.15	11.55	
42	3	1	16	42.3	ON 339	42.3	-35.1	12.26	12.73	12.13	11.53
				OFF 337	44.7	-36.7	12.25	12.74	12.14	11.54	
42	3	2	19	58.3	ON 335	47.3	-38.7	12.24	12.75	12.15	11.55
				OFF 333	49.9	-41.2	12.23	12.75	12.15	11.55	
41	5	1	72	198.4	ON 337	45.8	-37.2	12.25	12.74	12.14	11.54
				OFF 327	54.4	-47.3	12.21	12.75	12.15	11.55	
43	4	1	26	68.8	ON 339	39.6	-34.2	12.26	12.72	12.12	11.52
				OFF 338	43.3	-36.5	12.25	12.74	12.14	11.54	
43	4	2	25	66.1	ON 336	45.5	-38.2	12.25	12.74	12.14	11.54
				OFF 333	49.8	-41.3	12.23	12.75	12.15	11.55	
47	6	1	25	66.1	ON 336	44.2	-38.3	12.25	12.74	12.14	11.54
				OFF 334	47.6	-41.2	12.23	12.75	12.15	11.55	
51	3	1	89	235.4	ON 316	8.8	-27.9	12.16	18.36	9.76	9.16
				OFF 333	15.1	-28.4	12.23	12.15	11.55	18.95	
52	3	1	42	185.8	ON 338	12.3	-28.2	12.22	11.94	11.34	18.74
				OFF 336	18.6	-29.8	12.24	12.33	11.73	11.13	
53	3	1	23	62.8	ON 383	-7.7	-29.3	12.18	8.88	8.88	8.88
				OFF 329	-3.8	-28.7	12.13	8.88	8.88	8.88	
53	3	2	39	183.2	ON 339	23.1	-38.1	12.26	12.49	11.89	11.29
				OFF 341	28.9	-31.8	12.27	12.61	12.81	11.41	

**СГАДЕТ**

3	3	3	38	188.5	ON	341	34.8	-33.8	12.27	12.67	12.87	11.47
					OFF	348	39.4	-36.6	12.26	12.71	12.11	11.51
54	3	1	58	132.3	ON	338	11.1	-28.5	12.22	11.84	11.24	18.64
					OFF	337	18.9	-29.5	12.25	12.35	11.75	11.15
54	3	2	28	52.9	ON	341	29.9	-32.4	12.27	12.62	12.82	11.42
					OFF	341	32.9	-33.5	12.27	12.66	12.86	11.46
55	4	1	75	198.4	ON	316	8.4	-28.6	12.16	18.29	9.69	9.89
					OFF	331	12.4	-28.8	12.22	11.96	11.36	18.76
55	4	2	17	45.8	ON	335	16.6	-29.3	12.24	12.24	11.64	11.84
					OFF	337	19.3	-29.7	12.25	12.37	11.77	11.17
55	4	3	66	174.6	ON	336	45.1	-41.3	12.24	12.74	12.14	11.54
					OFF	325	53.2	-51.8	12.28	12.75	12.15	11.55
56	8	1	28	52.9	ON	338	18.9	-29.9	12.25	12.35	11.75	11.15
					OFF	339	21.9	-38.5	12.26	12.46	11.86	11.26
56	8	2	16	42.3	ON	334	45.7	-42.2	12.24	12.75	12.15	11.55
					OFF	332	47.9	-44.3	12.23	12.75	12.15	11.55
57	9	1	39	183.2	ON	298	61.2	-78.2	12.87	12.75	12.15	11.55
					OFF	287	61.9	-92.3	12.82	12.75	12.15	11.55
63	2	1	17	45.8	ON	341	31.9	-35.8	12.27	12.65	12.85	11.45
					OFF	341	34.3	-36.2	12.26	12.67	12.87	11.47
63	2	2	25	66.1	ON	335	42.2	-41.1	12.24	12.73	12.13	11.53
					OFF	332	45.4	-43.9	12.23	12.74	12.14	11.54
66	9	1	42	111.1	ON	323	-8.6	-38.5	12.19	8.88	8.88	8.88
					OFF	331	6.1	-38.3	12.22	11.27	18.67	18.87
68	9	1	23	68.8	ON	315	-5.9	-31.5	12.15	8.88	8.88	8.88
					OFF	321	-2.2	-31.8	12.18	8.88	8.88	8.88
8	9	2	21	55.5	ON	338	4.7	-38.6	12.22	11.87	18.47	9.87
					OFF	334	8.8	-38.7	12.23	11.51	18.91	18.31
68	9	3	34	89.9	ON	386	57.7	-69.2	12.11	12.75	12.15	11.55
					OFF	297	59.5	-79.7	12.86	12.75	12.15	11.55
69	9	1	22	58.2	ON	385	-12.6	-32.9	12.18	8.88	8.88	8.88
					OFF	311	-8.9	-32.2	12.13	8.88	8.88	8.88
69	9	2	67	177.2	ON	286	59.8	-92.6	12.81	12.75	12.15	11.55
					OFF	278	56.4	-114.6	11.93	12.75	12.15	11.55
78	9	1	68	179.9	ON	342	17.1	-32.1	12.27	12.26	11.66	11.86
					OFF	345	26.9	-34.6	12.28	12.58	11.98	11.38
78	9	2	35	92.6	ON	316	54.2	-59.7	12.16	12.75	12.15	11.55
					OFF	387	57.1	-68.3	12.11	12.75	12.15	11.55
71	9	1	28	52.9	ON	343	19.4	-32.7	12.27	12.37	11.77	11.17
					OFF	344	22.3	-33.4	12.28	12.47	11.87	11.27
71	9	2	49	129.6	ON	343	33.8	-37.7	12.27	12.67	12.87	11.47
					OFF	339	48.4	-41.8	12.26	12.72	12.12	11.52
71	9	3	47	124.3	ON	333	45.3	-46.2	12.23	12.74	12.14	11.54
					OFF	324	58.8	-53.5	12.19	12.75	12.15	11.55
72	8	1	116	386.8	ON	337	18.4	-31.6	12.25	11.77	11.17	18.57
					OFF	345	27.1	-35.1	12.28	12.58	11.98	11.38
73	8	1	78	185.1	ON	332	45.8	-46.5	12.23	12.74	12.14	11.54
					OFF	318	52.8	-58.8	12.16	12.75	12.15	11.55
73	8	2	34	89.9	ON	382	57.4	-72.1	12.89	12.75	12.15	11.55
					OFF	293	58.8	-82.5	12.85	12.75	12.15	11.55
5	6	1	45	119.8	ON	339	39.1	-41.9	12.26	12.71	12.11	11.51

				OFF 332	44.8	-47.8	12.23	12.74	12.14	11.54
78	7	1	16	42.3 ON 345	25.2	-35.6	12.28	12.54	11.94	11.34
				OFF 345	27.5	-36.4	12.28	12.59	11.99	11.39
78	7	2	78	206.3 ON 313	53.2	-61.3	12.14	12.75	12.15	11.55
				OFF 291	57.9	-81.8	12.04	12.75	12.15	11.55
79	7	1	16	42.3 ON 344	30.2	-37.8	12.28	12.63	12.03	11.43
				OFF 343	32.4	-38.8	12.27	12.65	12.05	11.45

STELLAR-INDEX SUMMARY

CAMERA DATA	ET	FILM	FILTER	GRID	ASSEMBLY NO	D73
STELLAR	2.0	3401	NONE	78		
INDEX	1/500	3400	W/21	88		

PERFORMANCE SUMMARY

OPN NO	FR	STEL FEET	INDX FEET	H	M	S	Q	ON LAT	ON LONG	Q	OFF LAT	OFF LONG	SEC DUR	
PRE-FLT	14	1.39	2.77											
1	6	0	2	0.28	0.40	19	14	13	2	53	152W	2	51 151W	38
5	4	1	6	0.59	1.19	1	11	0	2	61	108E	2	54 115E	126
5	4	2	3	0.30	0.59	1	15	15	2	46	120E	2	43 122E	49
5	4	3	4	0.40	0.79	1	27	20	3	0	134E	3	5 135E	69
7	5	1	9	0.89	1.78	4	19	20	2	29	82E	2	17 85E	175
6	4	1	6	0.59	1.19	5	37	35	2	70	22E	2	65 35E	106
8	4	2	4	0.40	0.79	5	39	55	2	63	38E	2	59 43E	76
9	7	0	1	0.10	0.20	6	51	52	1	38	115W	1	41 114W	47
9	7	1	3	0.30	0.59	7	19	52	2	25	37E	2	22 38E	50
0	4	1	3	0.30	0.59	8	48	52	2	28	14E	2	25 15E	50
10	4	2	9	0.89	1.78	8	50	8	2	23	15E	2	13 18E	156
11	8	1	8	0.79	1.58	10	19	40	2	24	7W	2	14 4W	157
13	7	1	9	0.89	1.78	13	28	47	3	13	44W	3	24 41W	174
14	3	1	6	0.59	1.19	14	51	59	2	12	72W	2	5 70W	111
14	3	2	4	0.40	0.79	14	59	2	3	15	66W	3	21 64W	99
16	3	0	2	0.20	0.40	17	45	8	2	37	124W	2	35 123W	38
22	3	1	6	0.59	1.19	23	38	23	2	59	131E	2	53 137E	105
22	3	2	5	0.50	0.99	23	41	1	2	50	139E	2	44 142E	92
21	3	1	3	0.30	0.59	1	8	9	2	59	108E	2	56 111E	56
21	3	2	4	0.40	0.79	1	11	11	2	48	117E	2	44 119E	69
22	3	1	2	0.20	0.40	2	32	52	2	73	47E	2	71 58E	57
22	3	2	4	0.40	0.79	2	38	13	2	58	87E	2	53 91E	79
22	3	3	6	0.59	1.19	2	42	48	2	41	98E	2	35 100E	98
22	3	4	5	0.50	0.99	2	47	10	2	24	103E	2	18 105E	88
23	5	1	2	0.20	0.40	4	11	47	2	44	74E	2	41 75E	45
23	5	2	3	0.30	0.59	4	14	22	2	34	78E	2	31 79E	52
23	5	3	4	0.40	0.79	4	15	39	2	29	79E	2	25 80E	66
23	5	4	3	0.30	0.59	4	17	56	2	20	82E	2	16 83E	65
24	5	1	3	0.30	0.59	5	40	14	2	49	48E	2	46 50E	45
25	0	1	3	0.30	0.59	7	17	47	2	19	37E	2	15 38E	64
25	0	2	6	0.59	1.19	7	21	17	2	5	40E	3	1 41E	111
26	0	1	11	1.09	2.18	8	47	7	2	21	14E	2	8 17E	200
27	4	1	10	0.99	1.98	10	17	2	2	20	8W	2	8 5W	186
1	0	1	3	0.30	0.59	16	11	0	2	40	105W	2	37 104W	44

2	8	0	2	0.20	0.40	17	41	28	2	37	126W	2	35	125W	38
33	3	1	2	0.20	0.40	19	3	27	2	65	172W	2	63	167W	49
34	7	1	6	0.59	1.19	20	33	23	2	65	166E	2	59	174E	110
37	4	1	4	0.40	0.79	1	8	19	2	45	116E	2	40	118E	69
37	4	2	3	0.30	0.59	1	11	43	2	32	122E	2	27	123E	67
39	8	1	4	0.40	0.79	4	9	51	2	37	74E	2	33	76E	67
39	8	2	11	1.09	2.18	4	11	40	2	38	77E	2	17	80E	202
40	3	1	3	0.30	0.59	5	42	33	2	26	55E	2	23	56E	43
40	3	2	2	0.20	0.40	5	44	4	2	20	57E	2	16	58E	51
41	5	1	10	0.99	1.98	7	13	10	2	22	34E	2	10	36E	186
43	4	1	4	0.40	0.79	10	11	9	2	28	12W	2	24	11W	66
43	4	2	4	0.40	0.79	10	12	57	2	21	10W	2	17	9W	66
47	6	1	3	0.30	0.59	16	11	44	2	22	101W	2	18	100W	64
51	3	1	13	1.29	2.57	21	58	32	2	67	136E	2	54	154E	238
52	3	1	5	0.50	0.99	23	31	29	2	56	129E	2	50	134E	105
53	3	1	4	0.40	0.79	0	55	45	2	73	69E	2	70	61E	65
53	3	2	5	0.50	0.99	1	4	17	2	45	114E	2	39	117E	100
53	3	3	5	0.50	0.99	1	7	26	2	33	119E	2	27	121E	97
54	3	1	7	0.69	1.39	2	30	43	2	57	83E	2	49	89E	130
54	3	2	3	0.30	0.59	2	36	1	2	37	95E	2	34	96E	51
55	4	1	11	1.09	2.18	3	57	31	2	67	46E	2	56	62E	201
55	4	2	2	0.20	0.40	4	2	2	2	52	65E	2	49	67E	46
55	4	3	10	0.99	1.98	4	10	25	2	19	77E	2	8	80E	172
56	8	1	2	0.20	0.40	5	32	27	2	49	44E	2	46	46E	51
56	8	2	3	0.30	0.59	5	40	26	2	18	55E	2	15	56E	43
57	9	1	5	0.50	0.99	7	17	27	3	10	38E	3	17	40E	113
3	2	1	2	0.20	0.40	16	4	38	2	34	107W	2	31	106W	44
63	2	2	4	0.40	0.79	16	7	49	2	21	103W	2	17	102W	65
66	9	1	6	0.59	1.19	20	24	38	2	67	157E	2	61	167E	113
66	9	1	3	0.30	0.59	23	22	40	2	71	99E	2	68	109E	63
66	9	2	3	0.30	0.59	23	25	40	2	62	120E	2	59	124E	55
66	9	3	5	0.50	0.99	23	43	18	3	5	148E	3	11	150E	99
69	9	1	3	0.30	0.59	0	50	30	2	74	53E	2	73	67E	64
69	9	2	10	0.99	1.98	1	16	34	3	18	129E	3	32	132E	209
70	9	1	9	0.89	1.78	2	28	44	2	49	87E	2	38	92E	171
70	9	2	5	0.50	0.99	2	41	0	2	1	102E	3	4	103E	97
71	9	1	3	0.30	0.59	3	59	9	2	47	66E	2	43	67E	52
71	9	2	7	0.69	1.39	4	3	27	2	30	72E	2	22	75E	126
71	9	3	7	0.69	1.39	4	7	14	2	15	76E	2	7	78E	126
72	8	1	16	1.58	3.17	5	26	20	2	56	37E	2	38	47E	292
73	8	1	10	0.99	1.98	7	6	42	2	15	31E	2	3	33E	187
73	8	2	4	0.40	0.79	7	12	29	3	7	36E	3	13	37E	98
75	0	1	7	0.69	1.39	10	4	16	2	23	15W	2	15	13W	110
70	7	1	2	0.20	0.40	14	29	14	2	39	88W	2	36	87W	41
76	7	2	11	1.09	2.18	14	39	6	2	0	78W	3	13	75W	210
79	7	1	2	0.20	0.40	16	0	33	2	33	109W	2	30	108W	40

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

NOTE - MISSION 1025 IS BEING FLOWN WITH THE AGENA MOVING NOSE-FIRST THROUGH ORBIT INSTEAD OF THE USUAL TAIL-FIRST FLIGHT.

**SECRET**

AS A RESULT OF THIS CHANGE IN AGENA ORIENTATION THE FOLLOWING VARIATIONS IN NORMAL SYSTEM PARAMETERS SHOULD BE NOTED -

- (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.

NOTE - OPERATION 079-07-1 ACTUALLY CONSISTED OF FOUR MORE CYCLES THAN SHOWN HERE - THE LAST FOUR FRAMES ARE CONTAINED IN THE B MISSION RECOVERY BUCKET

NOTE - THE STELLAR FILM TAKEN DURING THE FOLLOWING OPERATIONS HAS PROBABLY BEEN TAKEN WHILE THE BAFFLE WAS EXPOSED TO DIRECT SUNLIGHT -

REV	PROG	OP	REV	PROG	OP
008	04	1	055	04	1
022	03	1	066	09	1
051	03	1	068	09	1
053	03	1	069	09	1

- A. 1025-1 LAUNCHED AT 1746Z ON 10/05/65
- B. DRY
- C. PERFORMANCE ESTIMATE PART TWO

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 REQD
1 6 0	16	7	7	ON 1334	0.3615	0.03050	2.271 54.51	-1.0 -4.9
				OFF 38	0.3652	0.03082	2.295 55.07	-1.0 -4.6
5 4 1	44	7	7	ON 1210	0.3474	0.02931	2.183 52.39	-1.0 -6.1
				OFF 126	0.3614	0.03049	2.271 54.49	-1.0 -4.8
5 4 2	18	7	7	ON 1465	0.3746	0.03161	2.354 56.49	-1.0 -3.4
				OFF 49	0.3786	0.03195	2.379 57.10	-1.0 -3.0
5 4 3	26	7	7	ON 2190	0.3887	0.03279	2.442 58.61	-1.0 2.6
				OFF 69	0.3843	0.03243	2.415 57.95	-1.0 3.2
7 5 1	68	7	7	ON 1740	0.3932	0.03318	2.471 59.29	-1.0 -1.1
				OFF 175	0.3969	0.03349	2.494 59.85	-1.0 0.3
8 4 1	37	7	7	ON 1247	0.3518	0.02968	2.210 53.04	-1.0 -0.9
				OFF 106	0.3632	0.03064	2.282 54.76	-1.0 -0.2
8 4 2	27	7	7	ON 1387	0.3670	0.03097	2.306 55.35	-1.0 0.1
				OFF 76	0.3741	0.03157	2.351 56.42	-1.0 0.3
9 7 0	13	7	7	ON 314	0.2772	0.02339	1.742 41.00	-1.0 -2.9
				OFF 47	0.2790	0.02354	1.753 42.07	-1.0 -3.2
9 7 1	19	7	7	ON 1995	0.3962	0.03343	2.490 59.75	-1.0 -0.3
				OFF 50	0.3952	0.03334	2.483 59.59	-1.0 -0.5
10 4 1	19	7	7	ON 1949	0.3968	0.03348	2.493 59.83	-1.0 -0.3
				OFF 50	0.3962	0.03343	2.489 59.74	-1.0 -0.4
10 4 2	61	7	7	ON 2025	0.3956	0.03338	2.486 59.65	-1.0 -0.5
				OFF 156	0.3893	0.03285	2.446 58.71	-1.0 -0.9
1 8 1	61	7	7	ON 2013	0.3959	0.03340	2.487 59.70	-1.0 -0.6

					OFF	157	0.3980	0.03291	2.450	58.81	-1.0	-1.0
13	7	1	59	7	7 ON	2592	0.3517	0.02968	2.210	53.04	-1.0	-1.6
					OFF	174	0.3320	0.02802	2.886	58.87	-1.0	-1.3
14	3	1	42	7	7 ON	2280	0.3811	0.03215	2.394	57.46	-2.7	-2.8
					OFF	111	0.3735	0.03151	2.347	56.32	-2.7	-3.8
14	3	2	33	7	7 ON	2622	0.3419	0.02885	2.148	51.56	-2.7	-3.5
					OFF	99	0.3387	0.02791	2.878	49.87	-2.7	-3.4
16	3	0	14	7	7 ON	1819	0.3886	0.03279	2.442	58.60	-2.7	-1.6
					OFF	38	0.3893	0.03284	2.446	58.70	-2.7	-1.7
20	3	1	39	7	7 ON	1478	0.3691	0.03114	2.319	55.65	-2.7	-1.5
					OFF	105	0.3772	0.03183	2.370	56.88	-2.7	-1.3
20	3	2	35	7	7 ON	1636	0.3809	0.03214	2.393	57.43	-2.7	-1.2
					OFF	92	0.3855	0.03253	2.422	58.13	-2.7	-1.3
21	3	1	20	7	7 ON	1479	0.3692	0.03115	2.319	55.67	-2.7	-1.5
					OFF	56	0.3736	0.03152	2.347	56.34	-2.7	-1.4
21	3	2	26	7	7 ON	1661	0.3824	0.03226	2.403	57.66	-2.7	-1.2
					OFF	69	0.3856	0.03254	2.423	58.15	-2.7	-1.3
22	3	1	19	7	7 ON	1179	0.3376	0.02849	2.121	50.91	-2.7	-3.7
					OFF	57	0.3439	0.02901	2.161	51.85	-2.7	-3.2
22	3	2	29	7	7 ON	1500	0.3709	0.03130	2.331	55.93	-2.7	-1.4
					OFF	79	0.3769	0.03100	2.368	56.84	-2.7	-1.3
22	3	3	38	7	7 ON	1775	0.3874	0.03269	2.434	58.42	-2.7	-1.4
					OFF	98	0.3895	0.03286	2.447	58.73	-2.7	-1.7
22	3	4	34	7	7 ON	2637	0.3882	0.03275	2.439	58.54	-2.7	-2.2
					OFF	88	0.3852	0.03250	2.420	58.08	-2.7	-2.5
23	5	1	17	7	7 ON	1729	0.3857	0.03254	2.423	58.16	-2.7	-1.3
					OFF	45	0.3872	0.03267	2.433	58.39	-2.7	-1.4
23	5	2	20	7	7 ON	1884	0.3896	0.03287	2.448	58.75	-2.7	-1.7
					OFF	52	0.3897	0.03280	2.449	58.77	-2.7	-1.9
23	5	3	25	7	7 ON	1962	0.3895	0.03287	2.447	58.74	-2.7	-2.0
					OFF	66	0.3885	0.03278	2.441	58.58	-2.7	-2.2
23	5	4	25	7	7 ON	2098	0.3862	0.03250	2.426	58.23	-2.7	-2.5
					OFF	65	0.3833	0.03234	2.408	57.00	-2.7	-2.7
24	5	1	17	7	7 ON	1651	0.3818	0.03222	2.399	57.57	-2.7	-1.2
					OFF	45	0.3841	0.03241	2.413	57.92	-2.7	-1.3
25	6	1	25	7	7 ON	2120	0.3852	0.03251	2.421	58.09	-2.7	-2.5
					OFF	64	0.3822	0.03225	2.401	57.63	-2.7	-2.7
25	6	2	41	7	7 ON	2330	0.3717	0.03136	2.335	56.05	-2.7	-3.2
					OFF	111	0.3618	0.03053	2.273	54.56	-2.7	-3.3
26	6	1	77	7	7 ON	2096	0.3875	0.03270	2.435	58.44	-2.4	-2.1
					OFF	200	0.3759	0.03172	2.362	56.68	-2.4	-2.7
27	4	1	71	7	7 ON	2103	0.3873	0.03268	2.433	58.40	-2.4	-2.1
					OFF	186	0.3765	0.03177	2.366	56.77	-2.4	-2.6
31	6	1	17	7	7 ON	1810	0.3897	0.03288	2.449	58.76	-2.4	-1.1
					OFF	44	0.3905	0.03295	2.454	58.89	-2.4	-1.3
32	8	0	15	7	7 ON	1854	0.3906	0.03296	2.454	58.90	-2.4	-1.2
					OFF	38	0.3909	0.03299	2.456	58.95	-2.4	-1.4
33	3	1	17	7	7 ON	1389	0.3618	0.03053	2.273	54.56	-2.4	-1.7
					OFF	49	0.3663	0.03090	2.301	55.23	-2.4	-1.5
34	7	1	40	7	7 ON	1401	0.3630	0.03063	2.281	54.75	-2.4	-1.7
					OFF	110	0.3729	0.03146	2.343	56.23	-2.4	-1.2



7	4	1	26	7	7	ON	1694	0.3854	0.03252	2.422	58.12	-2.4	-1.6
						OFF	69	0.3882	0.03276	2.439	58.54	-2.4	-1.5
37	4	2	26	7	7	ON	1899	0.3910	0.03299	2.457	58.96	-2.4	-1.5
						OFF	67	0.3900	0.03298	2.456	58.94	-2.4	-1.5
39	8	1	26	7	7	ON	1819	0.3899	0.03290	2.450	58.80	-2.4	-1.5
						OFF	67	0.3909	0.03298	2.456	58.95	-2.4	-1.5
39	8	2	79	7	7	ON	1928	0.3910	0.03300	2.457	58.97	-2.4	-1.5
						OFF	282	0.3863	0.03259	2.427	58.25	-2.4	-1.6
40	3	1	16	7	7	ON	2051	0.3891	0.03283	2.445	58.68	-2.4	-1.9
						OFF	43	0.3878	0.03272	2.436	58.47	-2.4	-2.0
40	3	2	19	7	7	ON	2142	0.3855	0.03253	2.422	58.14	-2.4	-2.2
						OFF	51	0.3830	0.03231	2.406	57.75	-2.4	-2.4
41	5	1	71	7	7	ON	2105	0.3872	0.03267	2.433	58.39	-2.4	-2.1
						OFF	186	0.3763	0.03175	2.364	56.74	-2.4	-2.7
43	4	1	25	7	7	ON	2017	0.3900	0.03290	2.450	58.81	-2.4	-1.7
						OFF	66	0.3881	0.03275	2.439	58.53	-2.4	-2.0
43	4	2	25	7	7	ON	2125	0.3864	0.03260	2.428	58.26	-2.4	-2.2
						OFF	66	0.3831	0.03233	2.407	57.77	-2.4	-2.4
47	6	1	25	7	7	ON	2120	0.3865	0.03262	2.429	58.29	-2.4	-2.1
						OFF	64	0.3834	0.03235	2.409	57.82	-2.4	-2.3
51	3	1	88	7	7	ON	1385	0.3615	0.03051	2.272	54.52	-2.4	-2.2
						OFF	238	0.3813	0.03217	2.396	57.49	-2.4	-1.1
52	3	1	40	7	7	ON	1578	0.3704	0.03193	2.370	57.07	-2.4	-1.2
						OFF	185	0.3840	0.03247	2.410	58.03	-2.4	-1.1
53	3	1	23	7	7	ON	1252	0.3472	0.02929	2.181	52.35	-2.4	-3.5
						OFF	65	0.3540	0.02987	2.224	53.39	-2.4	-2.9
3	3	2	38	7	7	ON	1763	0.3804	0.03277	2.440	58.57	-2.4	-1.0
						OFF	100	0.3907	0.03297	2.455	58.92	-2.4	-1.2
53	3	3	37	7	7	ON	1952	0.3910	0.03299	2.457	58.97	-2.4	-1.4
						OFF	97	0.3893	0.03285	2.446	58.71	-2.4	-1.7
54	3	1	49	7	7	ON	1567	0.3776	0.03186	2.372	56.94	-2.4	-1.2
						OFF	130	0.3855	0.03253	2.422	58.13	-2.4	-1.0
54	3	2	20	7	7	ON	1885	0.3910	0.03299	2.457	58.96	-2.4	-1.2
						OFF	51	0.3911	0.03300	2.458	58.98	-2.4	-1.3
55	4	1	74	7	7	ON	1391	0.3622	0.03056	2.276	54.61	-2.4	-2.2
						OFF	201	0.3792	0.03199	2.382	57.18	-2.4	-1.2
55	4	2	17	7	7	ON	1662	0.3830	0.03230	2.411	57.87	-2.4	-1.0
						OFF	46	0.3860	0.03257	2.425	58.20	-2.4	-1.0
55	4	3	65	7	7	ON	2165	0.3844	0.03244	2.416	57.97	-2.4	-2.0
						OFF	172	0.3727	0.03145	2.342	56.20	-2.4	-2.5
56	8	1	20	7	7	ON	1720	0.3867	0.03263	2.430	58.31	-2.4	-0.8
						OFF	51	0.3886	0.03279	2.441	58.59	-2.4	-0.9
56	8	2	10	7	7	ON	2199	0.3825	0.03228	2.404	57.68	-2.4	-2.3
						OFF	43	0.3800	0.03206	2.387	57.30	-2.4	-2.4
57	9	1	38	7	7	ON	2638	0.3414	0.02880	2.145	51.47	-2.4	-3.7
						OFF	113	0.3286	0.02772	2.064	49.55	-2.4	-3.6
63	2	1	16	7	7	ON	1977	0.3900	0.03297	2.455	58.93	-2.4	-1.3
						OFF	44	0.3901	0.03291	2.451	58.82	-2.4	-1.5
63	2	2	25	7	7	ON	2169	0.3842	0.03242	2.414	57.94	-2.4	-2.2
						OFF	65	0.3885	0.03211	2.391	57.38	-2.4	-2.4
6	9	1	42	7	7	ON	1432	0.3696	0.03118	2.322	55.73	-1.5	-0.7