H - ALPHA SOLAR FLARES

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0024		02	0915	0850*	0935	S12	W01	4227C	07	2.3	20	SN					84	.9	CD
	KHAR	02	0846E	0850	0853D	S12	W01	4227C	07	2.3	7D	SF			P				D
	KHAR	02	0912E	0916	0947D	S12	W01	4227C	07	2.3	35D	SN			P				C
	CATA	02	0915	0920	0935	S11	W01	4227C	07	2.3	20	S		2	C	0920	84	.9	
	KHAR	02	0921E		0957D	S12	W01	4227C	07	2.3	36D	SN			V	0921			
0025	LEAR	02	0850	0854	0907	S20	E71	4235	07	7.8	17	SF		3	C				
		02	1006		1011	No Flare Patrol													
0026	KHAR	02	1012E	1021	1037D	S09	E85	4236	07	8.8	25D	SF			V	1017			
0027	KHAR	02	1053E	1056	1130D	S21	E78	4235	07	8.4	37D	1N			P				E
0028	HOLL	02	1329	1335	1341	S10	E76	4234	07	8.3	12	SF	C 1.7	2	C		16		
0029		02	1204*	1412*	1530	S20	E67	4235	07	7.6	206	1N	C 1.0				66		
	RAMY	02	1204	1412	1536	S21	E64	4235	07	7.4	212	1F	C 1.0	3	C		75		
	HOLL	02	1505	1510	1524	S20	E70	4235	07	8.0	19	SN		3	C		56		
0030		02	15401	1550	1606	S20	E68	4235	07	7.8	26	1N					62		
	RAMY	02	1540	1550	1607	S20	E68	4235	07	7.8	27	1F		3	C		62		
	HOLL	02	1541	1550	1605	S21	E68	4235	07	7.9	24	SN		3	C		62		
0031	HOLL	02	1627	1637	1659	S20	E68	4235	07	7.9	32	SF		3	C		45		
0032	HOLL	02	1731E	1735	1805	S21	E69	4235	07	8.0	34D	SN		3	C		69		F
0033	HOLL	02	1813	1814	1831	S20	E69	4235	07	8.0	18	SN		3	C		22		
0034		02	1840*	1905*	1933	S20	E67	4235	07	7.9	53	SN	C 1.9				56		FK
	HOLL	02	1840	1906	1942D	S21	E69	4235	07	8.1	62D	SF	C 1.9	3	C		23		K
	HOLL	02	1840	1923	1942D	S21	E69	4235	07	8.1	62D	SN		3	C		68		K
	PALE	02	1847	1905	1912	S20	E65	4235	07	7.7	25	SN		3	C		25		F
	PALE	02	1918	1931	1954	S20	E65	4235	07	7.8	36	SN		3	C		106		F
0035	HOLL	02	2020E	2020U	2049D	S18	E66	4235	07	7.9	29D	SF		3	C		38		
0036		02	21567	21568	2210	S20	E66	4235	07	8.0	14	SF	C 2.5				32		
	PALE	02	2106E	2106U	2142D	S19	E64	4235	07	7.8	36D	SN	C 2.5	3	C		32		
	PALE	02	2156	2156	2202	S20	E67	4235	07	8.0	6	SF		3	C		40		
	HOLL	02	2203	2204	2219	S21	E66	4235	07	8.0	16	SF		3	C		25		
0037		02	2221*	2232*	2242	S20	E64	4235	07	7.8	21	SF					17		F
	HOLL	02	2221	2232	2236	S21	E63	4235	07	7.8	15	SF		3	C		12		
	PALE	02	2240	2245	2248	S20	E65	4235	07	7.9	8	SF		3	C		22		F
0038	HOLL	02	2257	2302	2323	S21	E62	4235	07	7.7	26	SF		3	C		25		
0039	HOLL	02	2329	2330	2336	S11	E72	4234	07	8.4	7	SF		3	C		29		
0040		02	2336*	2338*	2352	S21	E62	4235	07	7.7	16	SF	C 1.9				23		
	HOLL	02	2336	2338	2343	S22	E61	4235	07	7.7	7	SF	C 1.9	3	C		30		
	HOLL	02	2346	2348	2356	S22	E61	4235	07	7.7	10	SF		3	C		26		
	PALE	02	2348	2349	2358	S20	E63	4235	07	7.8	10	SF		3	C		13		
0041	PALE	03	0010	0010	0014	S20	E62	4235	07	7.7	4	SF	C 1.8	3	C		31		
0042		03	0052*	00549	0106	S22	E63	4235	07	7.9	14	SN					62	2.2	EJ
	CULG	03	0052	0054	0059D	S20	E63	4235	07	7.8	7D	1F			P	0054	90	2.2	J
	LEAR	03	0053	0101	0106	S22	E62	4235	07	7.8	13	SF		3	C		35		
	PURP	03	0102	0103	0104D	S23	E63	4235	07	7.9	2D	SB			C	0103	60		E
0043		03	01301	01321	0146	S22	E62	4235	07	7.8	16	SN	C 1.9				67		E
	PURP	03	0130	0132	0205D	S23	E63	4235	07	7.9	35D	SB			C	0132	73		E
	PALE	03	0131	0133	0146	S20	E62	4235	07	7.8	15	SF	C 1.9	3	C		61		
0044		03	0317	0318	0331	S11	W10	4227	07	2.4	14	SF					32	.5	F
	PALE	03	0312E	0315U	0331	S10	W10	4227	07	2.4	19D	SF		3	C		21		F
	PURP	03	0317	0318	0340D	S12	W10	4227	07	2.4	23D	SF			C	0318	42	.5	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0045	PEKG	03	0342	0343	0350	S12	W86	4228	06	26.8	8	SF	C 1.1		C	0343	42		D
0046	LEAR	03	0401	0403	0410	S22	E60	4235	07	7.8	9	SF		3	C		30		
0047	LEAR	03	0439	0441	0458	S22	E60	4235	07	7.8	19	SF	C 1.8	3	C		39		
0048	ABST	03	0600	0601	0606	S21	E64	4235	07	8.1	6	1N			C	0601	96		DJV
0049	KANZ	03	0709	0714	0724	S11	W76	4228	06	27.7	15	SN		3					
0050		03	07091	07091	0717	S19	E59	4235	07	7.8	8	SN					28	.6	
	KANZ	03	0709	0709	0714	S19	E59	4235	07	7.8	5	SN		3					
	CATA	03	0710	0710	0720	S19	E59	4235	07	7.8	10	S		2	C	0710	28	.6	
0051		03	07473	07502	0815	S08	W15	4227	07	2.2	28	SN					80	.9	F
	KANZ	03	0747	0752	0815	S08	W15	4227	07	2.2	28	SN		1					
	LEAR	03	0748	0751	0819	S08	W13	4227	07	2.3	31	SF		3	C		72		F
	CATA	03	0750	0750	0810D	S08	W18	4227	07	2.0	20D	S		2	C	0750	56	.6	
	CATA	03	0750	0750	0810	S09	W13	4227	07	2.3	20	S		2	C	0750	112	1.2	
0052	KANZ	03	0833	0837	0849	S10	E78	4236	07	9.2	16	SN		1					
0053	CATA	03	0915	0920	0930	S11	E79	4236	07	9.3	15	1		2	C	0920	56		
0054	KHAR	03	0951E	0951	0958D	S07	E70	4234	07	8.6	7D	SF			V	0951			L
0055	KHAR	03	1007E	1008	1013D	S16	E56	4235	07	7.7	6D	SF			V	1008			D
		03	1116		1129	No Flare Patrol													
0056		03	14281	14281	1443	S21	E56	4235	07	7.9	15	SF					23		F
	HOLL	03	1428	1428	1441	S21	E56	4235	07	7.9	13	SF		3	C		19		F
	RAMY	03	1428	1428	1445	S21	E54	4235	07	7.7	17	SN		3	C		27		
	KANZ	03	1429	1429	1443	S21	E58	4235	07	8.0	14	SF		1					
0057	KANZ	03	1443	1453	1508	S12	E77	4236	07	9.4	25	SF		1					
0058		03	1709	17092	1724	S12	E72	4236	07	9.1	15	SF	C 1.0				20		
	HOLL	03	1709	1709	1724	S13	E73	4236	07	9.2	15	SF		3	C		19		
	PALE	03	1709	1711	1724	S11	E72	4236	07	9.1	15	SF	C 1.0	3	C		22		
0059	HOLL	03	1804	1805	1818	S10	W25	4227	07	1.9	14	SF		3	C		31		F
0060	HOLL	03	2107	2108	2116	S10	E59	4234	07	8.3	9	SF		3	C		35		F
0061	HOLL	03	2113	2116	2136	S13	E73	4236	07	9.4	23	SN	C 1.2	3	C		67		
0062	HOLL	03	2208	2213	2240	S11	E57	4234	07	8.2	32	SN	C 3.0	3	C		68		F
0063	CULG	04	0305	0306	0313	S12	E72	4236	07	9.5	8	SF			C	0306	40		
0064		04	06072	06112	0628	S20	E49	4235	07	8.0	21	1N	C 1.4				193	4.3	EF
	ABST	04	0607	0612	0625	S20	E51	4235	07	8.1	18	1F			C	0612	175	3.1	E
	LEAR	04	0609	0611	0635	S20	E49	4235	07	8.0	26	SN		3	C		67		F
	YUNN	04	0609	0613	0625	S19	E47	4235	07	7.8	16	2N	C 1.4		P		338	5.5	
0065		04	06541	06552	0710	S19	E45	4235	07	7.7	16	SF	C 6.9				111	2.0	D
	LEAR	04	0654	0656	0709	S19	E46	4235	07	7.8	15	SF		3	C		48		
	CATA	04	0655	0655	0655D	S19	E46	4235	07	7.8	15D	S		2	P	0655	112	1.8	
	ABST	04	0655E	0657	0701D	S20	E44	4235	07	7.6	6D	1F			P	0657	175	2.7	D
	YUNN	04	0705E	0705U	0712	S18	E43	4235	07	7.6	7D	SN	C 6.9		P	0705	108	1.6	
0066		04	0840E		0904D	S14	W90		06	27.6	24D	SF							H
	KHAR	04	0840E		0904D	S12	W90		06	27.7	24D	SF			V	0843			H
	KHAR	04	0849E		0904D	S16	W90		06	27.6	15D	SF			V	0852			
0067		04	0937	0925*	0945	S20	E48	4235	07	8.1	8	SN					31	.5	D
	KHAR	04	0920E	0925	0945D	S20	E50	4235	07	8.2	25D	SF			P				D
	YUNN	04	0937	0940	0945	S19	E46	4235	07	7.9	8	SN			P		31	.5	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Obs Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0068		04	0934E		1017D	S12	W88		06	27.9	43D	SN			V				H
	KHAR	04	0934E		0948D	S12	W90		06	27.7	14D	SN			V	0937			H
	KHAR	04	1001E		1017D	S13	W87		06	27.9	16D	SN			V	1008			H
0069	KHAR	04	1036E	1038	1106D	S21	E47	4235	07	8.0	30D	1N			P				CE
0070		04	1148	1138*	1212	S20	E46	4235	07	8.0	24	1N	C 2.0				152	3.7	BEFK
	RAMY	04	1137E	1138	1146D	S20	E46	4235	07	8.0	9D	SN	C 2.0	3	C		61		K
	RAMY	04	1137E	1146	1146D	S20	E46	4235	07	8.0	9D	SB		3	C		119		FK
	LVOV	04	1148	1148	1212	S21	E50	4235	07	8.3	24	2N			C	1148	300	5.3	BE
	ATHN	04	1148	1152	1211	S21	E42	4235	07	7.7	23	1N			V	1152	127	2.1	
0071	HOLL	04	1448	1451	1534	S20	E43	4235	07	7.9	46	1B	C 1.9	3	C		195		EF
0072	HOLL	04	1500	1503	1519	S12	E62	4236	07	9.3	19	SN	C 2.9	3	C		66		
0073	HOLL	04	1553	1600	1626	S20	E43	4235	07	7.9	33	SN		3	C		42		F
0074	HOLL	04	1622	1624	1635	S12	E61	4236	07	9.3	13	SF		3	C		27		
0075	HOLL	04	1735	1741	1744	S19	E41	4235	07	7.9	9	SF		3	C		47		
0076	HOLL	04	1833	1838	1930	S12	E62	4236	07	9.4	57	SB	C 4.8	3	C		80		EF
0077	RAMY	04	1845E	1845U	1851	S18	E40	4235	07	7.8	6D	SF		3	C		24		
0078	RAMY	04	1856	1859	1915	S10	E46	4234	07	8.2	19	SN		3	C		54		
0079	HOLL	04	1916	1918	1924	S10	W33	4227	07	2.3	8	SF		3	C		21		
0080		04	2222*	2236	2308	S12	E58	4236	07	9.3	46	SB					90	1.2	EJ
	HOLL	04	2222	2236	2308	S12	E58	4236	07	9.3	46	SB		3	C		121		E
	CULG	04	2234	2236	2238D	S13	E59	4236	07	9.4	4D	SN			P	2236	60	1.2	J
0081	HOLL	04	2224	2258	2321	S11	E81	4236B	07	11.0	57	SN	C 1.7	3	C		15		
0082	HOLL	04	2242	2242	2246	S12	E44	4234	07	8.3	4	SF		3	C		20		
0083	HOLL	04	2257	2300	2333	S09	W35	4227	07	2.3	36	SF		3	C		49		F
0084	HOLL	04	2328	2340	2352	S12	E57	4236	07	9.3	24	SF	C 1.1	3	C		30		F
0085	HOLL	04	2352	2353	2402	S20	E38	4235	07	7.9	10	SF		3	C		30		F
0086	HOLL	05	0007	0009	0024	S22	E37	4235	07	7.8	17	SF	C 1.0	3	C		20		F
0087	HOLL	05	0032	0032	0042	S22	E37	4235	07	7.9	10	SN		3	C		26		F
0088	LEAR	05	0246	0247	0255	S08	W35	4227	07	2.5	9	SF		3	C		35		F
0089		05	0344*	0351*	0416	S07	W36	4227	07	2.4	32	SF	C 1.6				77	1.1	EFJK
	LEAR	05	0344	0354	0430	S08	W35	4227	07	2.5	46	SF	C 1.6	3	C		88		K
	LEAR	05	0344	0413	0430	S08	W35	4227	07	2.5	46	SF		3	C		69		FK
	YUNN	05	0347	0351	0411	S07	W37	4227	07	2.4	24	SN			P		46	.6	
	PEKG	05	0353E	0353	0402	S07	W36	4227	07	2.5	9D	SF			P	0353	59	.8	E
	PALE	05	0353	0356	0402	S08	W36	4227	07	2.5	9	SF	C 4.0	3	C		51		F
	CULG	05	0354E	0355U	0418D	S09	W36	4227	07	2.5	24D	SF			P	0355	110	1.4	F
	ABST	05	0404	0409	0423	S06	W36	4227	07	2.5	19	SF			C	0409	114	1.5	FJ
0090		05	04222	0422*	0440	S13	E56	4236	07	9.4	18	SN					50	1.2	D
	ABST	05	0421E	0422	0439	S13	E56	4236	07	9.4	18D	SN			P	0422	87	1.7	D
	LEAR	05	0422	0422	0440	S13	E55	4236	07	9.3	18	SN		3	C		33		
	YUNN	05	0424	0432	0440	S13	E56	4236	07	9.4	16	SN			P		31	.6	
0091		05	0422*	0425*	0451	S16	E37	4235	07	8.0	29	SN					34	.9	
	CULG	05	0422	0425	0428D	S15	E37	4235	07	8.0	6D	SN			P	0425	50	.9	
	LEAR	05	0444	0447	0451	S18	E37	4235	07	8.0	7	SF		3	C		18		

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0092	LEAR	05	0510	0511	0519	S07	W39	4227	07	2.3	9	SF		3	C		34		
0093		05	0603	06031	0606	S17	E34	4235	07	7.8	3	SF	C 2.9				65	1.0	DV
	ABST	05	0603	0603	0605	S17	E35	4235	07	7.9	2	SF			C	0603	87	1.2	DV
	CULG	05	0603	0604	0605	S16	E34	4235	07	7.8	2	SN			C	0604	60	.7	
	LEAR	05	0603	0604	0609	S19	E34	4235	07	7.8	6	SF	C 2.9	3	C		48		
0094		05	06532	0654*	0721	S21	E34	4235	07	7.9	28	1N	C 1.8				231	3.2	FKU
	ABST	05	0653	0657	0705D	S20	E36	4235	07	8.0	12D	1N			P	0657	262	3.7	F
	LEAR	05	0654	0654	0727	S22	E34	4235	07	7.9	33	SN		3	C		60		K
	LEAR	05	0654	0659	0727	S22	E34	4235	07	7.9	33	1B		3	C		411		UFK
	MANI	05	0655	0700	0725	S21	E34	4235	07	7.9	30	1B		1	V		370	5.1	F
	YUNN	05	0655	0707	0719	S20	E35	4235	07	8.0	24	1N	C 1.8		P		189	2.6	
	ATHN	05	0701E	0703	0707	S21	E31	4235	07	7.7	6D	SF			V	0703	95	1.3	
0095	KHAR	05	0732E	0733	0735D	S12	E54	4236	07	9.4	3D	SF			P				D
0096	KHAR	05	0823E	0823	0826D	S21	W31	4230	07	3.0	3D	SF			P				D
0097	KHAR	05	0940E	0943	0946D	S20	E27	4235	07	7.5	6D	SF			P				D
0098	KHAR	05	1011E		1025D	S08	W41	4227B	07	2.3	14D	1F			P	1017			EHL
0099	KHAR	05	1028E		1030D	S20	E27	4235	07	7.5	2D	SF			V	1028			DH
		05	1111		1119	No Flare Patrol													
		05	1136		1144	No Flare Patrol													
0100	KHAR	05	1319E	1319	1330D	S20	W33	4230	07	3.0	11D	SF			P				D
		05	1441		1454	No Flare Patrol													
0101	HOLL	05	1912	1918	1935	S10	E40	4236	07	8.8	23	SF		3	C		22		
0102	HOLL	05	2057	2057	2105	S20	E25	4235	07	7.8	8	SF		3	C		26		
		05	2228		2242	No Flare Patrol													
		05	2252		2307	No Flare Patrol													
		05	2331		2349	No Flare Patrol													
0103		06	0102	01031	0112	S20	E22	4235	07	7.7	10	SN					49	.4	EF
	YUNN	06	0102	0103	0112	S20	E21	4235	07	7.6	10	SN			P		31	.4	
	LEAR	06	0102E	0104	0117	S20	E23	4235	07	7.8	15D	SN		3	C		45		F
	PEKG	06	0103E	0103	0108	S21	E23	4235	07	7.8	5D	SF			P	0103	34	.4	E
	HOLL	06	0105E	0105U	0109D	S20	E22	4235	07	7.7	4D	SN		3	C		86		F
0104	LEAR	06	0248	0252	0312	S20	E22	4235	07	7.8	24	SF		3	C		60		F
0105		06	0512	05141	0524	S19	E20	4235	07	7.7	12	SF					44	.5	F
	LEAR	06	0512	0515	0526	S19	E20	4235	07	7.7	14	SF		3	C		47		F
	MANI	06	0513E	0514	0522	S19	E21	4235	07	7.8	9D	SF		1	V		40	.5	F
0106	KHAR	06	0742E		0755D	S10	W51	4227	07	2.5	13D	SF			V	0745			EL
0107	KHAR	06	0856E	0858	0900D	S19	W43	4230	07	3.1	4D	SF			P				D
0108	KHAR	06	1008E	1010	1013D	S22	W44	4230	07	3.0	5D	SF			P				D
0109	KHAR	06	1040E	1046	1100D	S09	W54	4227	07	2.4	20D	SF			P				E
0110	KHAR	06	1151E	1154	1157D	S20	W45	4230	07	3.0	6D	SF			P				D
		06	1503		1540	No Flare Patrol													
0111	HOLL	06	1854	1901	1948	S17	E73	4237	07	12.3	54	1F		3	C		112		H
		06	2248		2301	No Flare Patrol													
0112	HOLL	06	2304	2306	2315	S18	E69	4237	07	12.2	11	SF		3	C		41		

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0113	PALE	07	0128	0132	0142	S11	E28	4236	07	9.2	14	SF		3	C		25		
0114	LEAR	07	0328	0332	0333D	S16	E71	4237	07	12.5	5D	SF		3	C				F
0115	ABST	07	0422E	0437	0444D	S18	W55	4230	07	3.0	22D	SF			P	0437	87	1.7	D
0116	KANZ	07	0715	0715	0724	S11	E18	4236	07	8.6	9	SF		2					
		07	1502		1813	No Flare Patrol													
		07	1852		1857	No Flare Patrol													
0117		08	03111	03113	0323	S12	E10	4236	07	8.9	12	SF					30	.3	EF
	CULG	08	0311	0311	0322	S11	E11	4236	07	9.0	11	SF			P	0311	40	.4	F
	LEAR	08	0312	0312	0322	S11	E10	4236	07	8.9	10	SF		3	C		34		F
	PURP	08	0314E	0314	0326	S13	E10	4236	07	8.9	12D	SF			C	0314	17	.2	E
0118		08	0402	04033	0421	S18	W06	4235	07	7.7	19	SF					57	.7	DF
	LEAR	08	0402	0403	0421	S18	W07	4235	07	7.6	19	SF		3	C		45		F
	ABST	08	0402E	0406	0414D	S17	W05	4235	07	7.8	12D	SF			P	0406	87	1.0	D
	CULG	08	0405E	0406U	0406D	S18	W07	4235	07	7.6	1D	SN			P	0406	40	.4	
0119	ABST	08	0616	0619	0631D	S22	W08	4235	07	7.6	15D	SF			P	0619	87	1.0	D
0120		08	0623*	0630*	0730	S13	W09	4230B	07	7.6	67	SF					128	1.4	DEFI
	ABST	08	0623	0630	0632D	S10	W13	4230B	07	7.3	9D	SF			P	0630	87	1.0	D
	ABST	08	0624	0630	0632D	S13	W11	4230B	07	7.4	8D	SF			P	0630	87	.9	D
	ABST	08	0624	0630	0632D	S15	W05	4230B	07	7.9	8D	SF			P	0630	87	.9	D
	CULG	08	0630E	0630U	0630D	S13	W08	4230B	07	7.7	8D	SN			P	0630	120	1.3	FI
	CATA	08	0630	0630	0635D	S12	W12	4230B	07	7.4	5D	S		2	P	0630	112	1.2	
	CATA	08	0630	0630	0635D	S15	W05	4230B	07	7.9	5D	S		2	P	0630	56	.6	
	PEKG	08	0635	0642	0651	S12	W12	4230B	07	7.4	16	SF			C	0642	126	1.4	E
	CATA	08	0645E	0645	0730D	S14	W05	4230B	07	7.9	45D	1		2	P	0645	253	2.7	
	CATA	08	0645E	0645	0730D	S12	W12	4230B	07	7.4	45D	1		2	P	0645	225	2.5	
	KHAR	08	0707E	0724	0821D	S12	W08	4230B	07	7.7	74D	1N			P	0724	200	2.4	E
	PURP	08	0725E	0727	0808	S14	W12	4230B	07	7.4	43D	SN			C	0727	53	.6	
0121		08	06302	0630*	0647	S11	E08	4236	07	8.9	17	SF					61	.6	E
	CATA	08	0630	0630	0635D	S12	E09	4236	07	8.9	5D	S		2	P	0630	84	.9	
	PEKG	08	0632	0642	0647	S11	E08	4236	07	8.9	15	SF			C	0642	50	.5	E
	PEKG	08	0632E	0642	0647	S11	E08	4236	07	8.9	15D	SF			C	0642	50	.5	E
0122		09	0802	07586	0811D	S16	W21	4235	07	7.7	9D	SF							D
	KHAR	09	0754E	0758	0808D	S15	W22	4235	07	7.7	14D	SN			P				D
	KANZ	09	0802		0802D	S16	W22	4235	07	7.7	14D	SF		1					
	KHAR	09	0804E	0804	0811D	S16	W18	4235	07	8.0	7D	SF			P				D
0123	ISTA	09	0855		0920	S17	W20	4235	07	7.8	25	SN							E
0124	KANZ	09	1206		1206D	S20	W28	4235	07	7.4	25D	SN		2					
		09	1226		1235	No Flare Patrol													
0125		09	19343	1937*	1942	S21	W24	4235	07	8.0	8	SF	C 2.4				58		F
	RAMY	09	1934	1956	2012D	S21	W24	4235	07	8.0	38D	SF		3	C		52		F
	PALE	09	1937	1937	1942	S21	W23	4235	07	8.0	5	SF	C 2.4	3	C		63		
0126		10	02151	02201	0236	S15	W32	4235	07	7.7	21	SN					113	1.4	DEFIJ
	PEKG	10	0215	0220	0235	S14	W32	4235	07	7.7	20	SN			C	0220	67	.9	E
	VORO	10	0216	0220	0234	S14	W31	4235	07	7.7	18	SN			C	0220	161	2.0	DIJ
	LEAR	10	0216	0221	0239	S16	W32	4235	07	7.7	23	SF		3	C		110		F
0127		10	04401	04442	0456	S11	W16	4236	07	9.0	16	SF					112	1.9	EF
	ABST	10	0440	0444	0454	S11	W16	4236	07	9.0	14	SF			C	0444	175	1.9	E
	LEAR	10	0441	0446	0457	S11	W16	4236	07	9.0	16	SF		3	C		49		F
0128	LEAR	10	0448	0448	0453	S18	E33	4237	07	12.7	5	SF	C 2.4	3	C		23		
0129		10	08005	0805*	0845	S20	W33	4235	07	7.8	45	1N					139	1.9	E
	CATA	10	0800	0805	0835	S21	W32	4235	07	7.9	35	S		2	C	0805	140	1.9	
	KANZ	10	0805	0820	0845	S21	W32	4235	07	7.9	40	1N		1					
	ATHN	10	0817E	0821	0841	S20	W36	4235	07	7.6	24D	1N			V	0821	159	2.2	
	PEKG	10	0836E	0836	0859	S20	W33	4235	07	7.8	23D	SF			P	0836	118	1.6	E

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		10	1151		1207	No Flare Patrol														
0130	RAMY	10	1218	1229	1236	S21	W33	4235	07	8.0	18	SF	C	1.9	3	C		27		
0131		10	15133	1516	1615	S11	W22	4236	07	9.0	62	SB	M	1.1				130		E
	HOLL	10	1513	1516	1602	S11	W22	4236	07	9.0	49	SB	M	1.1	3	C		121		E
	RAMY	10	1513	1516	1628	S11	W22	4236	07	9.0	75	SB			3	C		139		
	KANZ	10	1516	1516	1549D	S11	W21	4236	07	9.0	33D	SN			1					
0132	RAMY	10	1514	1518	1521	S19	E26	4237	07	12.6	7	SF			3	C		53		
0133		10	15436	15454	1612	S18	E27	4237	07	12.7	29	SB						115		EFK
	RAMY	10	1543	1545	1549D	S18	E27	4237	07	12.7	6D	SB			3	C		94		K
	RAMY	10	1543	1549	1549D	S18	E27	4237	07	12.7	6D	SB			3	C		143		FEK
	HOLL	10	1544	1548	1612	S19	E26	4237	07	12.6	28	SB			3	C		107		FE
	KANZ	10	1549		1549D	S17	E27	4237	07	12.7	28D	SF			1					
0134	PALE	10	1718	1720	1723D	S18	E26	4237	07	12.7	5D	SF			3	C		74		F
0135	RAMY	10	1753	1807	1836	S13	W22	4236	07	9.1	43	SB	C	1.1	3	C		165		
0136		10	1839	18428	1940	S21	W37	4235	07	7.9	61	1B						266		EFK
	RAMY	10	1839	1842	1940	S21	W37	4235	07	7.9	61	1B			3	C		191		K
	RAMY	10	1839	1850	1940	S21	W37	4235	07	7.9	61	1B			3	C		341		FEK
0137	RAMY	10	1933	1933	1942	S18	E25	4237	07	12.7	9	SN			3	C		32		
		10	2018		2020	No Flare Patrol														
0138	PALE	10	2035	2040U	2042D	S18	E25	4237	07	12.8	7D	SF			3	C		31		
		10	2043		2141	No Flare Patrol														
0139	CULG	10	2221	2223	2241	S12	W28	4236	07	8.8	20	SF				C	2223	40	.5	
0140	PALE	11	0018	0020	0033	S19	E20	4237	07	12.5	15	SF			3	C		31		
0141	PALE	11	0026	0031	0049	S22	W40	4235	07	7.9	23	SF			3	C		79		F
0142	LEAR	11	0148	0149	0205	S18	E22	4237	07	12.7	17	SF	C	6.9	3	C		21		
0143		11	0236	02371	0308	S12	W27	4236	07	9.1	32	SN						58	.5	F
	PALE	11	0236	0237	0248D	S13	W27	4236	07	9.1	12D	SF			3	C		37		F
	CULG	11	0236	0238	0249D	S11	W27	4236	07	9.1	13D	SN				P	0238	50	.5	F
	LEAR	11	0236	0238	0308	S12	W28	4236	07	9.0	32	SN			3	C		86		F
0144	LEAR	11	0314	0318	0337	S20	W41	4235	07	8.0	23	SF			3	C		44		
0145	ABST	11	0502	0511	0524	S20	W43	4235	07	7.9	22	SF				C	0511	114	1.8	DJ
0146		11	07276	07303	0742	S21	W45	4235	07	7.9	15	1N	C	2.0				123	2.4	F
	YUNN	11	0727	0730	0735	S19	W44	4235	07	7.9	8	1N				C		141	2.2	
	BUCA	11	0730E		0750	S21	W46	4235	07	7.8	20D	1F	C	2.0		C	0730	150	2.5	
	LEAR	11	0730	0733	0738	S21	W45	4235	07	7.9	8	SN			3	C		79		F
	KANZ	11	0733	0733	0743	S22	W44	4235	07	7.9	10	SB			2					
0147	LEAR	11	0737	0738	0755	S11	W30	4236	07	9.1	18	SF			3	C		40		
0148	RAMY	11	1151	1225	1247	S21	W47	4235	07	7.9	56	SN			3	C		37		F
0149		11	1248*	1301*	1414	S21	W52	4235	07	7.5	86	1N						192	3.2	EF
	RAMY	11	1248	1301	1436	S22	W52	4235	07	7.5	108	1B			3	C		243		FE
	ATHN	11	1259E	1301	1352	S21	W51	4235	07	7.6	53D	1B				V	1301	175	3.2	
	HOLL	11	1330E	1411	1447D	S20	W53	4235	07	7.5	77D	1N			3	C		169		F
	HOLL	11	1334	1334	1335D	S22	W51	4235	07	7.6	1D	1F			3	C		182		
0150		11	1318	1322*	1409	S11	W34	4236	07	9.0	51	SF						62		FK
	RAMY	11	1318	1322	1410	S12	W34	4236	07	9.0	52	SF			3	C		45		K
	RAMY	11	1318	1335	1410	S12	W34	4236	07	9.0	52	SN			3	C		85		K
	HOLL	11	1330E	1335U	1407	S10	W34	4236	07	9.0	37D	SF			3	C		56		F

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0151		11	17174	1721*	1757	S16	W53	4235	07	7.7	40	SN	C 5.6				68		FK
	PALE	11	1717	1721	1757	S17	W54	4235	07	7.6	40	SN		3	C		138		F
	RAMY	11	1721	1726	1729D	S18	W55	4235	07	7.5	8D	SN	C 5.6	3	C		53		F
	HOLL	11	1721	1730	1755D	S15	W51	4235	07	7.9	34D	SN		3	C		53		FK
	HOLL	11	1721	1744	1755D	S15	W51	4235	07	7.9	34D	SN		3	C		26		K
		11	1854		1910	No Flare Patrol													
		11	2013		2054	No Flare Patrol													
		11	2106		2133	No Flare Patrol													
0152	ABST	12	0459E	0509	0544D	S21	W57	4235	07	7.8	45D	SF			P	0509	87	2.0	D
0153		12	0642	06503	0702	S12	W42	4236	07	9.1	20	SN	C 2.0				37		
	LEAR	12	0642	0650	0706	S11	W42	4236	07	9.1	24	SF	C 2.0	3	C		37		
	KANZ	12	0653E	0653	0658	S12	W42	4236	07	9.1	5D	SN		2					
0154		12	0740E		0834D	S14	W43	4236	07	9.1	54D	SF							DH
	KHAR	12	0740E		0745D	S14	W43	4236	07	9.1	5D	SF			V	0740			D
	KHAR	12	0812E		0834D	S14	W43	4236	07	9.1	22D	SF			V	0814			DH
0155	KHAR	12	0817E		0824D	S23	W59	4235	07	7.8	7D	SF			V	0818			D
0156		12	0914E	09172	0925D	S10	W41	4236	07	9.3	11D	SN					95	1.3	E
	KHAR	12	0914E	0917	0925D	S12	W44	4236	07	9.1	11D	SN			V	0917			E
	ATHN	12	0919E	0919	0924D	S08	W38	4236	07	9.5	5D	SN			V	0919	95	1.3	
		12	1146		1148	No Flare Patrol													
0157	RAMY	12	1228	1234	1238	S15	W53	4236	07	8.5	10	SF	C 1.0	3	C		54		
		12	1237		1320	No Flare Patrol													
0158		12	1339	1342	1350	S21	W66	4235	07	7.5	11	SN					37		
	RAMY	12	1339	1342	1356	S19	W62	4235	07	7.8	17	SN		3	C		24		
	HOLL	12	1340E	1342U	1345	S23	W70	4235	07	7.2	5D	SN		2	C		50		
		12	1417		1425	No Flare Patrol													
		12	1538		1651	No Flare Patrol													
		12	1717		1744	No Flare Patrol													
0159	HOLL	12	1821E	1821U	1830	S16	W68	4235	07	7.6	9D	SF		2	C		39		F
		12	1838		1916	No Flare Patrol													
0160	HOLL	12	1924E	1926	1933D	S15	W60	4234	07	8.3	9D	SF		2	C		15		
		12	1934		2100	No Flare Patrol													
		12	2109		2133	No Flare Patrol													
0161	VORO	13	0150	0152	0200	S17	W75	4235	07	7.4	10	SN			C	0152	63		DIJ
0162		13	07149	07235	0731	S21	W65	4235	07	8.3	17	SB	C 1.7				94	2.5	DH
	LEAR	13	0714	0723	0729	S20	W66	4235	07	8.2	15	SB	C 1.7	3	C		76		
	KHAR	13	0722E	0725	0732D	S22	W67	4235	07	8.1	10D	SB			V	0725			DH
	KANZ	13	0723	0723	0733	S21	W65	4235	07	8.3	10	SN		3					
	ATHN	13	0725E	0728	0731	S21	W62	4235	07	8.5	6D	1B			V	0728	111	2.5	
0163	KHAR	13	0720E		0737D	S11	E18	4241	07	14.6	17D	SF			V	0720			D
0164		13	0800E	0801*	0826D	S21	W66	4235	07	8.3	26D	SF							D
	KHAR	13	0800E	0801	0808D	S22	W67	4235	07	8.2	8D	SF			V	0801			D
	KHAR	13	0822E	0824	0826D	S20	W65	4235	07	8.4	4D	SF			V	0824			D
0165		13	0908E		0922D	S21	W66	4235	07	8.3	14D	SF							DH
	KHAR	13	0908E		0912D	S22	W67	4235	07	8.2	4D	SF			V	0908			DH
	KHAR	13	0921E		0922D	S20	W65	4235	07	8.4	1D	SF			V	0921			D
0166	KHAR	13	0922E		0933D	S09	E50	4240	07	17.1	11D	SF			V				L

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0167	KHAR	13	1013E		1025D	S25	W80	4235	07	7.2	12D	SN			V	1013			HT
0168	KHAR	13	1020E		1030D	S14	E50	4240	07	17.2	10D	SF			V	1024			D
		13	1046		1054	No Flare Patrol													
0169	KANZ	13	1235	1239	1249	S22	W73	4235	07	7.9	14	SF		2					
0170	RAMY	13	1236	1237	1243	S11	W61	4236	07	8.9	7	SF		3	C		29		
0171	KANZ	13	1301	1316	1321	S21	W75	4235	07	7.8	20	SF		1					
0172		13	13365	13411	1352	S22	W76	4235	07	7.7	16	SF					22		
	KANZ	13	1336	1342	1346	S22	W76	4235	07	7.7	10	SF		1					
	RAMY	13	1341	1341	1359	S22	W77	4235	07	7.6	18	SF		3	C		22		
0173		13	1436*	1441*	1458	S21	W76	4235	07	7.8	22	SN	C 1.9				61		
	KANZ	13	1436	1441	1451	S22	W77	4235	07	7.7	15	SF		1					
	RAMY	13	1446	1453	1504	S20	W74	4235	07	7.9	18	SN	C 1.9	3	C		61		
0174	RAMY	13	1657	1658	1721	S16	E47	4240	07	17.3	24	SN		3	C		78		
0175		13	19472	19491	2007	S16	E44	4240	07	17.2	20	SN					42		F
	RAMY	13	1947	1950	2016	S16	E44	4240	07	17.2	29	SF		3	C		66		
	HOLL	13	1949	1949	1958	S16	E43	4240	07	17.1	9	SN		3	C		17		F
0176		14	00171	0020	0027	S15	E42	4240	07	17.2	10	SF					65	.8	
	LEAR	14	0017	0020	0026	S15	E42	4240	07	17.2	9	SF		2	C		53		
	CULG	14	0018	0020	0025	S14	E41	4240	07	17.1	7	SF			C	0020	60	.8	
	HOLL	14	0022E	0022U	0031	S16	E42	4240	07	17.2	9D	SF		2	C		82		
0177		14	03221	03236	0331	S16	W23	4237	07	12.4	9	SN	C 1.8				101	1.2	DEF
	TACH	14	0322	0323	0329	S18	W20	4237	07	12.6	7	SB			C	0323	106	1.2	D
	YUNN	14	0322	0324	0327	S16	W23	4237	07	12.4	5	SN			C		157	1.9	
	CULG	14	0322	0324	0331	S16	W23	4237	07	12.4	9	SN			C	0324	80	.9	
	LEAR	14	0323	0323	0334	S16	W24	4237	07	12.3	11	SF	C 1.8	3	C		101		F
	PEKG	14	0329E	0329	0335	S16	W25	4237	07	12.2	6D	SF			C	0329	63	.8	E
0178		14	0740*	0753*	0806	S19	W83	4235	07	8.0	26	SN	C 1.1				43		ADH
	BUCA	14	0740	0745U	0758	S20	W80	4235	07	8.2	18	1B			C	0745	54		A
	LEAR	14	0749	0754	0759	S20	W81	4235	07	8.1	10	SN		3	C				
	KHAR	14	0750E		0758D	S21	W80	4235	07	8.2	8D	SN			V	0752			DH
	PEKG	14	0750	0753	0758	S19	W80	4235	07	8.2	8	SN			C	0753	29		D
	CATA	14	0750	0755	0800	S20	W80	4235	07	8.2	10	S		2	C	0755	45		
	PEKG	14	0750	0805	0838	S19	W90	4235	07	7.4	48	N	C 1.1		C	0805			A
	KHAR	14	0800E		0818D	S14	W90	4235	07	7.5	18D	SF			V				
0179	KHAR	14	0748E		0847D	S19	E90		07	21.2	59D	SF			V	0752			EH
0180		14	0800	0805	0820	N14	W16	4243	07	13.1	20	SN					34	.4	DEH
	KHAR	14	0800E		0845D	N13	W16	4243	07	13.1	45D	SN			V	0826			EH
	PEKG	14	0800	0805	0820	N15	W15	4243	07	13.2	20	SF			C	0805	34	.4	D
0181	KHAR	14	0837E		0847D	S12	W70	4236	07	9.1	10D	SF			V	0837			D
0182		14	0925	0930	0935	N14	E82	4247	07	20.6	10	1F					56		D
	KHAR	14	0853E		0940D	N17	E80	4247	07	20.4	47D	SF			V	0855			D
	CATA	14	0925	0930	0935	N12	E85	4247	07	20.8	10	1		2	C	0930	56		
0183	KHAR	14	0953E		1002D	S12	W70	4236	07	9.1	9D	SF			V	0955			D
0184		14	1034E	1035	1100D	S21	W85	4235	07	7.9	26D	SN							DH
	KHAR	14	1034E	1035	1043D	S21	W85	4235	07	7.9	9D	SF			V	1035			DH
	KHAR	14	1054E		1100D	S21	W85	4235	07	7.9	6D	SN			V	1054			DH
0185	CATA	14	1130	1135	1145D	S17	W31	4237	07	12.1	15D	1		2	P	1135	169	2.2	
		14	1146		1232	No Flare Patrol													

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
		14	1236		1248	No Flare Patrol													
0186	RAMY	14	1305	1308	1317	S16	E35	4240	07	17.2	12	SF		3	C		21		
0187	HOLL	14	1427	1435	1458	S17	W29	4237	07	12.4	31	SF		3	C		34		
0188	HOLL	14	1435	1440	1448	S09	W79	4236	07	8.7	13	SF		3	C		21		
0189		14	1449*	1501*	1515	S10	W83	4236	07	8.4	26	SF					45		FK
	HOLL	14	1449	1501	1518	S09	W80	4236	07	8.6	29	1N		3	C		93		FK
	HOLL	14	1449	1511	1518	S09	W80	4236	07	8.6	29	SF		3	C		18		K
	RAMY	14	1500	1501	1508	S11	W89	4236	07	7.9	8	SF		3	C		25		
0190	RAMY	14	1542	1543	1553	S17	W30	4237	07	12.4	11	SF		3	C		35		
0191		14	1556	16001	1608	S10	W76	4236	07	8.9	12	SN					19		F
	HOLL	14	1556	1600	1608	S10	W74	4236	07	9.1	12	SN		3	C		24		
	RAMY	14	1556	1601	1608	S10	W77	4236	07	8.9	12	SF		3	C		14		F
0192	RAMY	14	1938	1949	1958	N18	E26	4246	07	16.8	20	SF		3	C		27		
0193	HOLL	14	2218	2220	2231	S09	W80	4236	07	8.9	13	SF		3	C		11		
0194		14	22344	22422	2258	N15	E74	4247	07	20.5	24	SF	C 1.1				51		
	HOLL	14	2234	2242	2258	N14	E70	4247	07	20.2	24	SN		3	C		62		
	PALE	14	2236	2247U	2307	N15	E75	4247	07	20.6	31	SF	C 1.1	3	C		51		
	CULG	14	2238	2244	2248	N15	E77	4247	07	20.8	10	SF			C	2244	40		
0195	PEKG	14	2311	2314	2321	S27	E90		07	22.0	10	N			C	2314			Y
0196	LEAR	15	0029	0029	0036	N17	E22	4246	07	16.7	7	SF		3	C		27		F
0197	PEKG	15	0114E	0115	0130	S22	W90	4235	07	8.1	16D	N			P	0115			A
0198	ABST	15	0415E	0433	0528	N18	E20	4246	07	16.7	73D	SF			P	0433	87	1.0	D
0199	KANZ	15	0706	0711	0721	N18	E19	4246	07	16.7	15	SF		3					
0200	KANZ	15	0740	0745	0810	N18	E19	4246	07	16.8	30	SF		3					
0201	LEAR	15	0857	0857	0905	S20	W36	4237	07	12.6	8	SF		3	C		19		
0202		15	1152E	1152*	1234	N16	E66	4247	07	20.5	42D	SN					56		FK
	RAMY	15	1152E	1152	1234	N16	E66	4247	07	20.5	42D	SN		3	C		81		FK
	RAMY	15	1152E	1216	1234	N16	E66	4247	07	20.5	42D	SN		3	C		31		K
0203	RAMY	15	1245	1245	1252	S15	E24	4240	07	17.3	7	SN		3	C		36		
0204		15	16131	16131	1624	S11	E34	4249	07	18.2	11	SF					21		F
	RAMY	15	1613	1613	1623	S11	E35	4249	07	18.3	10	SF		3	C		20		
	HOLL	15	1614	1614	1625	S11	E34	4249	07	18.2	11	SF		3	C		22		F
0205	CULG	16	0106	0112	0124	N16	E51	4247	07	19.9	18	SF			C	0112	60	.7	F
0206		16	0752	0752*	0836	N16	E06	4246	07	16.8	44	SN					47	.5	EFHS
	KHAR	16	0752E	0752	0819D	N16	E04	4246	07	16.6	27D	SN			V	0753			EH
	LEAR	16	0752	0755	0833	N17	E07	4246	07	16.8	41	SF		3	C		44		FS
	KANZ	16	0755E		0804D	N17	E07	4246	07	16.9	9D	SN		2					
	PEKG	16	0812E	0812	0840	N16	E06	4246	07	16.8	28D	SF			C	0812	50	.5	E
0207	KHAR	16	0817E		0822D	S22	W52	4237	07	12.3	5D	SF			V	0817			D
0208	KHAR	16	0915E		0928D	N19	E79		07	22.4	13D	SF			V	0915			L
0209	RAMY	16	1218	1224	1236	N15	E53	4247	07	20.5	18	SF		3	C		81		
0210	RAMY	16	1252	1254	1311	N16	E54	4247	07	20.6	19	SF		3	C		76		F

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0211		16	19382	19382	1948	S18	W53	4237	07	12.8	10	SN	C 1.0				36		F
	RAMY	16	1938	1938	1950	S18	W53	4237	07	12.8	12	SF	C 1.0	3	C		30		F
	HOLL	16	1940	1940	1946	S18	W53	4237	07	12.8	6	SN		3	C		42		F
0212	HOLL	16	1956	1956	2013	S14	E06	4240	07	17.3	17	SF		3	C		21		F
0213	HOLL	16	2035	2036	2042	S10	E19	4249	07	18.3	7	SF		3	C		22		
0214		16	21011	21035	2114	S14	E04	4240	07	17.2	13	SF					36		F
	HOLL	16	2101	2103	2116	S15	E05	4240	07	17.2	15	SF		3	C		41		F
	RAMY	16	2102	2108	2113	S14	E02	4240	07	17.0	11	SF		3	C		32		
0215		16	2123	21231	2138	N13	E35	4245	07	19.5	15	SF					23		F
	HOLL	16	2123	2123	2136	N13	E37	4245	07	19.7	13	SF		3	C		20		F
	RAMY	16	2123	2124	2140	N13	E33	4245	07	19.4	17	SF		3	C		26		
0216	HOLL	17	0034	0039	0125	S17	W56	4237	07	12.8	51	SF		3	C		21		F
0217	PEKG	17	0256E	0256	0310	N15	E58	4247	07	21.5	14D	SN			C	0256	59	1.2	E
0218	CULG	17	0331	0331	0341	N13	E33	4245	07	19.6	10	SN			C	0331	80	.9	
0219	KHAR	17	0738E		0745D	S22	W63	4237	07	12.5	7D	SF			V	0738			
0220	KHAR	17	0746E	0746	0758D	N14	E29	4245	07	19.5	12D	SF			V	0746			
0221	KHAR	17	0838E	0839	0843D	S14	W05	4240	07	17.0	5D	SF			V	0839			H
0222	KHAR	17	0842E	0844	0856D	S11	W12	4250	07	16.4	14D	SF			V	0844			
0223	CATA	17	1015	1015	1030	S16	W06	4240	07	17.0	15	S		2	C	1015	56	.6	
0224		17	1455	14571	1540	S14	W05	4240	07	17.2	45	SN					118		F
	RAMY	17	1455	1457	1540	S14	W04	4240	07	17.3	45	SN		3	C		156		F
	HOLL	17	1455	1458	1530D	S14	W06	4240	07	17.2	35D	SN		3	C		80		F
0225		17	1632	16325	1639	N14	E25	4245	07	19.6	7	SN					40		
	HOLL	17	1632	1632	1638	N13	E23	4245	07	19.4	6	SF		3	C		32		
	RAMY	17	1632	1633	1636	N14	E26	4245	07	19.6	4	SN		3	C		49		
	KANZ	17	1632	1637	1642	N14	E26	4245	07	19.6	10	SN		1					
0226		17	18073	18122	1836	S14	W06	4240	07	17.3	29	SF	C 1.3				57		F
	HOLL	17	1807	1812	1831D	S13	W06	4240	07	17.3	24D	SF	C 1.3	3	C		70		F
	PALE	17	1810	1814	1836	S15	W05	4240	07	17.4	26	SF		3	C		44		F
		17	1911		1913	No Flare Patrol													
0227	RAMY	17	1920	1925	1934	S14	W07	4240	07	17.3	14	SF		3	C		49		
0228	RAMY	17	1923	1929	1935	N14	E24	4245	07	19.6	12	SF		3	C		39		
		17	2145		2151	No Flare Patrol													
0229	PEKG	18	0035	0040	0046	N11	E19	4245	07	19.4	11	SN			C	0040	42	.4	E
0230	PEKG	18	0040E	0040	0116	S05	E13	4251	07	19.0	36D	SF			C	0040	34	.4	E
0231	LEAR	18	0334	0337	0351	S06	W09	4240A	07	17.5	17	SF		3	C		43		
0232	LEAR	18	0422	0425U	0433	N11	E17	4245	07	19.5	11	SF		2	C		26		
0233	LEAR	18	0534	0535	0542	S19	W72	4237	07	12.7	8	SF	C 1.3	3	C		17		
0234		18	06187	0625*	0712	N15	E42	4247	07	21.4	54	SN					119	2.0	EFKS
	LEAR	18	0618	0625	0709	N14	E43	4247	07	21.5	51	SF		3	C		46		K
	ABST	18	0618	0635	0701	N19	E42	4247	07	21.5	43	1F			C	0635	148	2.1	E
	LEAR	18	0618	0635	0709	N14	E43	4247	07	21.5	51	SF		3	C		78		FSK
	CULG	18	0619	0626U	0642D	N16	E41	4247	07	21.4	23D	SN			P	0626	130	1.7	F
	KANZ	18	0621E	0649	0649D	N15	E44	4247	07	21.6	28D	SN		1					
	BUCA	18	0625	0632	0715	N16	E42	4247	07	21.4	50	SN			C	0632	86	1.2	
	CATA	18	0635E	0640	0725	N14	E42	4247	07	21.4	50D	1		2	P	0640	225	3.1	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0235		18	0757	08023	0826	S04	E08	4251	07	18.9	29	SF								DL
	KANZ	18	0757	0802	0826	S05	E08	4251	07	18.9	29	SF			3					
	KHAR	18	0803E	0805	0818D	S04	E07	4251	07	18.8	15D	SF				V	0805			DL
0236	KHAR	18	0836E		0845D	N17	E31	4247	07	20.7	9D	SF				V	0839			E
0237		18	09011	0907*	0936	N13	E16	4245	07	19.6	35	SN								EL
	KANZ	18	0901	0926	0936	N12	E16	4245	07	19.6	35	SN			3					L
	KHAR	18	0902	0907	0929D	N14	E16	4245	07	19.6	27D	SN				V	0907			EL
0238	KHAR	18	0936E		0943D	N15	W31	4246	07	16.0	7D	SF				V	0936			H
0239		18	1006*	1021*	1049	S19	W76	4237	07	12.6	43	SN								DHL
	KANZ	18	1006	1021	1042	S22	W76	4237	07	12.6	36	SN			2					
	KHAR	18	1008E		1025D	S22	W75	4237	07	12.6	17D	SN				V	1008			H
	KHAR	18	1023E	1028	1042D	S18	W78	4237	07	12.5	19D	SN				V	1028			DL
	KANZ	18	1026	1032	1056	S15	W76	4237	07	12.7	30	SN			2					
0240		18	1323	1326	1347	S15	W16	4240	07	17.3	24	SF						45		F
	HOLL	18	1323	1326	1346	S15	W17	4240	07	17.3	23	SF			3	C		48		F
	RAMY	18	1323	1326	1348	S15	W16	4240	07	17.3	25	SF			3	C		42		
0241		18	1407	1408	1418	N11	E12	4245	07	19.5	11	SF						24		
	RAMY	18	1407	1408	1415	N12	E11	4245	07	19.4	8	SF			3	C		26		
	HOLL	18	1407	1408	1420	N10	E12	4245	07	19.5	13	SF			3	C		23		
0242		18	14132	14132	1421	N17	E28	4247	07	20.7	8	SF						48		
	RAMY	18	1413	1413	1421	N17	E28	4247	07	20.7	8	SF			3	C		36		
	HOLL	18	1413	1414	1422	N17	E28	4247	07	20.7	9	SF			3	C		59		
	KANZ	18	1415	1415	1420	N17	E29	4247	07	20.8	5	SF			1					
0243	HOLL	18	1635	1654	1704	N11	E11	4245	07	19.5	29	SF			3	C		34		
0244	HOLL	18	1651	1653	1708	N16	E23	4247	07	20.4	17	SN			3	C		166		U
		18	1824		1826	No Flare Patrol														
0245	HOLL	18	1940	1955	2059	N11	E11	4245	07	19.6	79	SF	C	1.9	3	C		77		
0246		19	03361	03519	0414	S15	W25	4240	07	17.2	38	SF						128	1.4	EF
	CULG	19	0336	0351	0402	S16	W25	4240	07	17.2	26	SN				P	0351	160	1.9	F
	LEAR	19	0337	0353	0425	S15	W25	4240	07	17.2	48	SF			3	C		157		F
	PEKG	19	0400E	0400	0400D	S15	W25	4240	07	17.3	48D	SF				P	0400	67	.8	E
0247	LEAR	19	0425	0428	0430	N15	E20	4247	07	20.7	5	SF			3	C		20		F
0248	KHAR	19	0720E		0733D	N12	E46	4253	07	22.8	13D	SF				V	0720			DL
0249		19	07552	07573	0807	S19	W24	4240	07	17.5	12	SN						56	.7	D
	CATA	19	0755	0800	0810	S18	W25	4240	07	17.4	15	S			2	C	0800	56	.7	
	ISTA	19	0756		0804	S20	W24	4240	07	17.5	8	SN								D
	KHAR	19	0756E	0757	0805D	S19	W25	4240	07	17.4	9D	SN				V	0757			D
	KANZ	19	0757	0757	0807	S19	W24	4240	07	17.5	10	SF			2					
0250	KHAR	19	0832E		0839D	N12	E46	4253	07	22.8	7D	SF				V	0835			DL
0251		19	0935	09485	1008	S16	W32	4240	07	17.0	33	SN						70	.9	E
	KANZ	19	0935	0948	1008	S15	W31	4240	07	17.0	33	SN			1					
	KHAR	19	0935E	0953	1008D	S17	W32	4240	07	17.0	33D	SN				C	0953	70	.9	E
0252	ATHN	19	0935	0948	1004	S08	W41	4250	07	16.3	29	SN				V	0948	64	.9	
0253	KHAR	19	1008E	1008		S10	W16	4249	07	18.2	D	SF				P	1008	10	.1	D
0254	RAMY	19	1142	1147	1222	S09	W18	4249	07	18.1	40	SF			3	C		38		
0255		19	1307	1320	1340	S10	W18	4249	07	18.2	33	SF						45		
	HOLL	19	1307	1320	1338	S10	W18	4249	07	18.2	31	SF			3	C		45		
	KANZ	19	1326E		1342	S10	W19	4249	07	18.1	16D	SF			2					

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0256		19	13541	14042	1422	N15	E15	4247	07	20.7	28	SF					60		
	RAMY	19	1354	1404	1426	N16	E15	4247	07	20.7	32	SF		3	C		79		
	HOLL	19	1355	1406	1417	N14	E15	4247	07	20.7	22	SF		3	C		41		
0257		19	1400*	1417*	1520	S12	E63	4252C	07	24.3	80	1N					105		FK
	RAMY	19	1400	1417	1521	S12	E63	4252C	07	24.3	81	SF		3	C		45		K
	RAMY	19	1400	1436	1521	S12	E63	4252C	07	24.3	81	1N		3	C		135		K
	HOLL	19	1433	1441	1519	S13	E63	4252C	07	24.3	46	1N		3	C		136		F
0258		19	1448*	1457*	1554	S09	W20	4249	07	18.1	66	SF					41		K
	HOLL	19	1448	1517	1600	S09	W19	4249	07	18.2	72	SF		3	C		42		
	RAMY	19	1451	1457	1509	S09	W19	4249	07	18.2	18	SF		3	C		32		
	RAMY	19	1515	1518	1614	S09	W21	4249	07	18.0	59	SF		3	C		45		K
	RAMY	19	1515	1552	1614	S09	W21	4249	07	18.0	59	SF		3	C		45		K
	KANZ	19	1531E		1546D	S09	W20	4249	07	18.1	15D	SN		2					
	KANZ	19	1554E		1554D	S10	W21	4249	07	18.1	15D	SF		2					
0259		19	17083	17113	1735	S10	W22	4249	07	18.1	27	SF					84		F
	HOLL	19	1708	1711	1736	S08	W22	4249	07	18.1	28	SN		3	C		98		F
	PALE	19	1711E	1713U	1736D	S13	W23	4249	07	18.0	25D	SF		3	C		76		F
	RAMY	19	1711	1714	1734	S08	W22	4249	07	18.1	23	SF		3	C		78		
0260	HOLL	19	1851	1851	1859	N11	E41	4253	07	22.9	8	SF		3	C		19		
0261	HOLL	19	1914	1919	2004	S16	W32	4240	07	17.4	50	SF		2	C		31		
		19	2302		2310	No Flare Patrol													
		20	0033		0035	No Flare Patrol													
0262		20	0105E	0106U	0117	N14	E09	4247	07	20.7	12D	SN					82	.8	F
	HOLL	20	0105E	0106U	0115D	N14	E09	4247	07	20.7	10D	SN		2	C		84		F
	YUNN	20	0112E	0112U	0117	N14	E09	4247	07	20.7	5D	SN			P	0112	79	.8	
		20	0253		0330	No Flare Patrol													
0263	LEAR	20	0439	0509	0513	S10	W28	4249	07	18.1	34	SF		3	C		33		F
0264	LEAR	20	0546	0548	0602	S09	W30	4249	07	18.0	16	SF	C 1.0	3	C		28		F
0265		20	0729	07344	0758	N16	E04	4247	07	20.6	29	SF							E
	KANZ	20	0729	0734	0758	N15	E05	4247	07	20.7	29	SF		2					
	KHAR	20	0735E	0738	0753D	N17	E02	4247	07	20.5	18D	SF			V	0738			E
0266	KHAR	20	0750E	0752	0810D	N09	E21	4255	07	21.9	20D	SF			V	0752			L
0267	KHAR	20	0752E		0813D	S07	E12	4247A	07	21.2	21D	SN			V	0758			L
0268	KHAR	20	1005	1010	1030	N18	E13	4247	07	21.4	25	SF			V	1010			EL
0269	KHAR	20	1020E		1035D	S17	W44	4240	07	17.1	15D	1F			V	1023			E
0270	PALE	20	1756	1803	1809	S12	W34	4249	07	18.2	13	SF		3	C		40		
		20	2114		2120	No Flare Patrol													
		20	2131		2138	No Flare Patrol													
		20	2200		2204	No Flare Patrol													
0271	HOLL	20	2354E	2354U	2402D	N12	W20	4245	07	19.5	8D	SF		4	C		30		
0272		21	00252	0027	0035	N08	E13	4255	07	22.0	10	SF					26	.3	
	MANI	21	0025	0027	0034	N08	E13	4255	07	22.0	9	SF		1	V		30	.3	
	LEAR	21	0027	0027	0036	N08	E13	4255	07	22.0	9	SF		3	C		23		
0273		21	01311	01352	0144	N08	E12	4255	07	22.0	13	SF	C 1.8				52	.5	F
	MANI	21	0131	0135	0145	N08	E13	4255	07	22.0	14	SF	C 1.8	1	V		50	.5	F
	LEAR	21	0132	0137	0144	N08	E12	4255	07	22.0	12	SF		3	C		53		F
0274		21	0244	0251	0315	N08	E12	4255	07	22.0	31	SF					68	.7	F
	LEAR	21	0244	0251	0315	N08	E11	4255	07	21.9	31	SF		3	C		70		F
	MANI	21	0254E	0254U	0307D	N08	E12	4255	07	22.0	13D	SF		1	V		65	.7	F

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0275		21	05092	0513	0518	N12	W24	4245	07	19.4	9	SF						67	.7	
	CULG	21	0509	0513	0518	N12	W24	4245	07	19.4	9	SF				C	0513	60	.7	
	LEAR	21	0511	0513	0519	N12	W23	4245	07	19.5	8	SF			3	C		74		
0276		21	1000E	1000*	1011D	S12	W46	4249	07	17.9	11D	SF						20	.4	
	KHAR	21	1000E	1000	1011D	S12	W47	4249	07	17.9	11D	SF				P	1000	30	.5	
	KHAR	21	1052E	1052		S11	W45	4249	07	18.1	D	SF				P	1052	10	.2	
0277	KHAR	21	1149E	1153	1156D	S12	W46	4249	07	18.0	7D	SN				P	1153	40	.7	E
0278	HOLL	21	1658	1659	1702	N08	E03	4255	07	21.9	4	SF	C	1.1	3	C		46		
0279		21	1735*	1738*	1804	S11	W46	4249	07	18.3	29	SF	C	2.0				70		F
	PALE	21	1735	1742	1811	S11	W46	4249	07	18.3	36	SF			3	C		65		F
	HOLL	21	1736	1738	1756	S10	W46	4249	07	18.3	20	SN	C	2.0	3	C		42		F
	RAMY	21	1752	1754	1805	S11	W47	4249	07	18.2	13	SF			3	C		102		F
0280	RAMY	21	1807	1807	1826	S09	W49	4249	07	18.1	19	SF			3	C		41		
0281	RAMY	21	1856	1901	1936	S09	W50	4249	07	18.0	40	SF			3	C		65		F
0282	RAMY	21	1937	1950	2017	N12	W30	4245	07	19.5	40	SF			3	C		65		F
0283	RAMY	21	1957	1959	2036	S07	W51	4260	07	18.0	39	SN			3	C		128		F
		21	2111		2126	No Flare Patrol														
		21	2133		2200	No Flare Patrol														
0284	HOLL	21	2332E	2332U	2350D	N12	E10	4253	07	22.7	18D	SF			3	C		43		F
0285	HOLL	21	2332E	2332U	2405D	N17	W01	4259	07	21.9	33D	SF			3	C		95		FU
0286	HOLL	22	0114	0116	0120D	N11	E09	4253	07	22.7	6D	SF			3	C		29		F
0287		22	0236	0252*	0328	S08	W52	4249	07	18.2	52	SF						72	1.0	F
	LEAR	22	0236	0304	0331	S08	W52	4249	07	18.2	55	SF			3	C		83		F
	MANI	22	0237E	0252	0325	S07	W53	4249	07	18.1	48D	SF			1	V		60	1.0	F
0288	KHAR	22	0630E	0630	0655D	N10	W37	4245	07	19.5	25D	SN				P	0636	60	.8	D
0289	KHAR	22	0635E	0640	0648D	S06	W04	4256	07	22.0	13D	SF				P	0636	80	.8	E
0290	KHAR	22	0638E	0642	0652D	S08	W54	4249	07	18.2	14D	SN				P	0642			D
0291		22	07465	07528	0841	S14	E26		07	24.3	55	1N	C	1.7				268	3.3	FGU
	ABST	22	0746	0752	0753D	S15	E26		07	24.3	7D	1F				P	0752	262	3.2	F
	LEAR	22	0748	0800	0840	S14	E25		07	24.2	52	1N			3	C		263		UF
	ATHN	22	0749E	0753	0842D	S12	E27		07	24.3	53D	1N				V	0753	255	3.1	
	WEND	22	0749	0756	0838	S14	E26		07	24.3	49	1N	C	1.7		C	0756	225	2.7	G
	CATA	22	0750	0752	0835D	S15	E25		07	24.2	45D	1			2	P	0752	337	4.1	
	KANZ	22	0751	0756	0844	S14	E26		07	24.3	53	1N			2					G
0292	KANZ	22	0751	0756	0820	S09	E14	4252	07	23.4	29	SF			2					G
0293	WEND	22	1147	1156	1204	S06	W55	4260	07	18.4	17	SF				C	1156	38	.7	
0294	RAMY	22	1252	1253	1337	S07	W57	4249	07	18.3	45	SN			3	C		43		
0295		22	1321*	1415*	1448	S06	W58	4260	07	18.2	87	1N	C	2.1				100	1.1	FK
	HOLL	22	1321	1416	1445D	S05	W61	4260	07	18.0	84D	1F			3	C		193		K
	HOLL	22	1321	1442	1445D	S05	W61	4260	07	18.0	84D	1N			3	C		148		K
	RAMY	22	1355	1415	1417	S07	W59	4260	07	18.2	22	SF			3	C		18		
	WEND	22	1439	1449	1506	S05	W59	4260	07	18.2	27	SF				C	1449	75	1.5	
	RAMY	22	1440	1442	1500	S07	W56	4260	07	18.4	20	SN	C	2.1	3	C		39		F
	HOLL	22	1441	1442	1524D	S05	W56	4260	07	18.4	43D	1N			4	C		148		F
	WEND	22	1447	1552	1600D	S06	W56	4260	07	18.4	73D	SF	C	2.0		C	1552	38	.7	
	HOLL	22	1541E	1551	1551D	S06	W59	4260	07	18.2	10D	1N			4	C		140		

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0296		22	14231	1430*	1451	N12	W41	4245	07	19.5	28	SF	C 1.3				63	.5	F
	WEND	22	1423	1440	1448	N11	W41	4245	07	19.5	25	SF			C	1440	38	.5	
	RAMY	22	1424	1430	1451	N11	W41	4245	07	19.5	27	SF		3	C		78		
	HOLL	22	1424	1432	1454	N13	W41	4245	07	19.5	30	SF	C 1.3	3	C		74		F
0297		22	1543	1552*	1652	S08	W62	4249	07	18.0	69	SN					125		FK
	RAMY	22	1543	1552	1652	S08	W62	4249	07	18.0	69	SN		3	C		112		FK
	RAMY	22	1543	1638	1652	S08	W62	4249	07	18.0	69	SN		3	C		138		K
0298	RAMY	22	1652	1738	1746	S05	W62	4260	07	18.1	54	SF		3	C		55		
0299	RAMY	22	1807	1814	1827	N07	W13	4255	07	21.8	20	SF		3	C		53		
0300		22	18152	1818	1850	S06	W60	4249	07	18.3	35	SN					25		F
	RAMY	22	1815	1818	1838	S07	W59	4249	07	18.3	23	SF		3	C		31		
	HOLL	22	1817	1818	1902	S06	W61	4249	07	18.2	45	SN		3	C		19		F
0301	RAMY	22	1837	1840	1851	N07	W13	4255	07	21.8	14	SF		3	C		41		
0302	HOLL	22	1929	1940	1947	S06	W59	4260	07	18.4	18	SF		3	C		17		
0303	KHAR	23	0620E	0620	0628D	S12	E11	4252	07	24.1	8D	SF			V	0620			E
0304	KHAR	23	0632E	0634	0640D	S06	E90		07	30.0	8D	SF			P	0632	80		D
0305	KHAR	23	0638E	0642	0650D	S09	W90		07	16.5	12D	SN			P	0645	100		H
0306		23	07101	07106	0723	S06	W64	4260	07	18.5	13	SF					56		CD
	CATA	23	0710	0710	0720	S05	W65	4260	07	18.4	10	S		2	C	0710	56		
	KHAR	23	0710E	0712	0729D	S07	W65	4260	07	18.4	19D	SF			V	0712			CD
	KANZ	23	0711	0716	0726	S05	W63	4260	07	18.6	15	SF		3					
0307	KANZ	23	0716	0726	0756	S05	W23	4256	07	21.6	40	SF		3					
0308		23	0923E	0926*	0933	S08	W72	4249	07	18.0	10D	1B					136	4.5	
	ATHN	23	0923E	0926	0933	S08	W75	4249	07	17.8	10D	1B			V	0926	159	4.5	
	CATA	23	0925E	0945	0950D	S07	W70	4249	07	18.1	25D	1		2	P	0945	112		
0309	HOLL	23	1450	1502	1520	S04	W26	4256	07	21.7	30	SF		3	C		25		
0310		23	1457*	1458*	1529	S06	W79	4260	07	17.7	32	SF	C 6.2				26		K
	RAMY	23	1457	1458	1529	S07	W80	4260	07	17.6	32	SF	C 6.2	3	C		16		
	HOLL	23	1508	1512	1529	S06	W78	4260	07	17.8	21	SF		3	C		48		K
	HOLL	23	1508	1519	1529	S06	W78	4260	07	17.8	21	SN		3	C		13		K
0311	HOLL	23	1837	1903	1943	N08	W26	4255	07	21.8	66	SF		3	C		54		F
0312		23	2000	20026	2012	S05	W83	4260	07	17.6	12	SN					21		K
	HOLL	23	2000	2002	2012	S05	W83	4260	07	17.6	12	SF		3	C		23		K
	HOLL	23	2000	2008	2012	S05	W83	4260	07	17.6	12	SN		3	C		19		K
0313	ABST	24	0321	0826	0906	S04	W36	4256	07	21.4	345	SN			C	0826	131	1.7	DK
0314	CULG	24	0418	0420	0422	S07	W38	4256	07	21.3	4	SF			P	0420	30	.4	
0315	KANZ	24	0733	0733	0806	N13	W66	4245	07	19.3	33	SF		3					
0316	CATA	24	0745	0745	0750D	S07	W90	4260	07	17.6	5D	1		2	P	0745	56		
0317	ABST	24	0820	0830	0837	N16	W70	4245	07	19.0	17	1F			C	0830	87		D
0318	KANZ	24	0908	0908	0918	S07	W78	4249	07	18.5	10	SF		2					
0319		24	1054	10596	1109	S08	W88	4260	07	17.8	15	1B					84		A
	KANZ	24	1054	1059	1109	S08	W87	4260	07	17.9	15	SB		2					A
	CATA	24	1105E	1105	1110D	S07	W90	4260	07	17.7	5D	1		2	P	1105	84		
0320	KANZ	24	1226	1233	1243D	S07	W40	4256	07	21.5	17D	SF		1					

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0321		24	1340	1353*	1502	S06	W41	4256	07	21.5	82	SN	C 9.0				45		K
	HOLL	24	1340	1353	1502	S06	W41	4256	07	21.5	82	SN		3	C		64		K
	HOLL	24	1340	1444	1502	S06	W41	4256	07	21.5	82	SF	C 9.0	3	C		26		K
0322	HOLL	24	1436	1436	1444	N09	W36	4255	07	21.9	8	SF		3	C		24		
0323	HOLL	24	1439	1440	1453	N10	W26	4253	07	22.6	14	SF		3	C		48		
0324		24	1507	1517	1536	S06	W42	4256	07	21.5	29	SN					98		
	HOLL	24	1507	1517	1535	S05	W42	4256	07	21.5	28	SN		3	C		78		
	RAMY	24	1507	1517	1537	S07	W41	4256	07	21.5	30	SF		3	C		119		
0325	HOLL	24	1523	1529	1543	N10	W26	4253	07	22.7	20	SF		3	C		29		
0326	RAMY	24	1524	1534	1539	N07	W37	4255	07	21.9	15	SF		3	C		32		
0327	HOLL	24	1526	1527	1533	N12	W70	4245	07	19.4	7	SF		3	C		15		
0328		24	15549	15586	1606	S06	W42	4256	07	21.5	12	SF					57		F
	RAMY	24	1554	1558	1602	S06	W42	4256	07	21.5	8	SF		3	C		73		F
	RAMY	24	1603	1604	1611	S06	W42	4256	07	21.5	8	SF		3	C		41		
0329	HOLL	24	1708	1717	1728	S05	W43	4256	07	21.5	20	SN		3	C		50		
		24	1813		1838	No Flare Patrol													
		24	1843		1858	No Flare Patrol													
		24	1907		1910	No Flare Patrol													
		24	1917		1938	No Flare Patrol													
		24	1946		1958	No Flare Patrol													
		24	2007		2130	No Flare Patrol													
0330		24	2148	21542	2252	N10	W74	4245	07	19.3	64	1N					120		FI
	PALE	24	2148	2154	2255	N11	W74	4245	07	19.3	67	1N		3	C		120		F
	CULG	24	2148	2156	2249	N10	W74	4245	07	19.3	61	1N			C	2156	120		FI
0331	ABST	25	0358E	0358	0401D	N09	W46	4255	07	21.7	3D	SF			P	0358	87	1.3	E
0332	ABST	25	0358E	0358	0401D	S06	W90	4251	07	18.4	3D	1N			P	0358	61		AD
0333	LEAR	25	0438	0442	0447	N07	W46	4255	07	21.7	9	SF		3	C		36		
0334	KHAR	25	0642E	0647	0700D	S05	W90	4251	07	18.5	18D	1F			P	0647	200		H
0335	KHAR	25	0708E	0710	0723D	S07	W50	4256	07	21.5	15D	SF			V	0710			D
0336		25	0710	07154	0728	S15	E26		07	27.3	18	SF					97	1.2	E
	BUCA	25	0710	0715U	0725	S14	E25		07	27.2	15	SF			P	0715	107	1.3	E
	CATA	25	0710	0715	0730	S15	E27		07	27.3	20	S		2	C	0715	84	1.0	
	KHAR	25	0717E	0719	0729D	S15	E26		07	27.3	12D	SF			P	0722	100	1.2	E
0337	KHAR	25	0722E		0730D	N05	W49	4255	07	21.6	8D	SF			V	0722			D
0338	KHAR	25	0725E		0817D	S07	W90	4251	07	18.6	52D	1F			P	0806	150		CH
0339	KHAR	25	0804E	0804	0820D	N13	W31	4253	07	23.0	16D	SF			P	0806	60	.7	D
0340	KHAR	25	0830E	0830	0842D	S07	W90	4251	07	18.6	12D	SF			V	0830			D
0341	KHAR	25	0834E	0842	0848D	S06	W53	4256	07	21.4	14D	SF			V	0842			D
0342	KHAR	25	0924E	0926	0942D	N11	W82	4245	07	19.2	18D	SF			V	0926			D
0343		25	1035	1040*	1056	N08	W48	4255	07	21.8	21	SN					104	1.6	
	CATA	25	1035	1040	1040D	N06	W51	4255	07	21.6	5D	S		2	P	1040	112	1.8	
	ATHN	25	1049E	1052	1056	N09	W45	4255	07	22.1	7D	N			V	1052	95	1.3	
0344		25	1108E	1112	1122	N08	W50	4255	07	21.7	14D	1F	C 1.6				105	.4	D
	KAND	25	1108E	1112	1122	N09	W53	4255	07	21.5	14D	SF	C 1.6		C		21	.4	D
	RAMY	25	1141E	1150U	1202D	N07	W48	4255	07	21.9	21D	1F		3	C		189		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0345	RAMY	25	1307	1310	1316	S06	W55	4256	07	21.4	9	SF			3	C		29		
		25	1401		1610	No Flare Patrol														
0346	KANZ	25	1624	1624	1639	S07	W88	4251	07	19.1	15	SF			3					
		25	1705		1802	No Flare Patrol														
0347	HOLL	25	1844	1845	1851	N08	W56	4255	07	21.6	7	SF			3	C		17		
0348		25	1955*	2001*	2038	S04	W59	4256	07	21.4	43	SF						22		F
	HOLL	25	1955	2001	2008D	S05	W59	4256	07	21.4	13D	SF			2	C		15		
	HOLL	25	2012	2022	2038	S04	W59	4256	07	21.4	26	SF			3	C		29		F
		25	2047		2110	No Flare Patrol														
		25	2117		2124	No Flare Patrol														
0349		25	2136	2139U	2150	N04	W60	4255	07	21.4	14	1N						68	2.2	
	CULG	25	2136	2139U	2153	N03	W60	4255	07	21.4	17	1N				P	2139	110	2.2	
	HOLL	25	2140E	2140U	2147	N05	W60	4255	07	21.4	7D	SN			2	C		27		
0350	CULG	25	2205	2212	2236	N20	E63		07	30.7	31	SF				C	2212	40	.8	
0351	HOLL	25	2308E	2309U	2319D	N14	W85	4245	07	19.5	11D	SF			2	C		12		
0352	CULG	26	0212E	0212U	0215	N03	W65	4255	07	21.2	3D	SF				P	0212	50		
0353	ABST	26	0436E	0436	0438	N04	W66	4255	07	21.2	2D	SF				P	0436	87		D
0354	KHAR	26	0705E	0705	0728D	S06	W66	4256	07	21.3	23D	SF				P	0708	45		DH
0355	RAMY	26	1304	1307	1312	S09	E89	4263	08	2.2	8	SF			3	C		28		
0356	HOLL	26	2053	2054	2112	N10	W56	4253	07	22.7	19	SF	C	1.7	3	C		27		
0357		26	2245	2245	2250	N06	W70	4255	07	21.7	5	SN						19		
	PALE	26	2245	2245	2250	N05	W71	4255	07	21.6	5	SF			3	C		15		
	HOLL	26	2245E	2245U	2251	N07	W70	4255	07	21.7	6D	SN			3	C		23		
0358	PALE	27	0007	0009	0010	N06	W74	4255	07	21.5	3	SF			3	C		21		
0359		27	0022*	00311	0045	S04	W81	4256	07	20.9	23	1F	C	2.0				50		F
	CULG	27	0022	0031	0049	S05	W83	4256	07	20.8	27	1F				C	0031	80		F
	LEAR	27	0032	0032	0041	S02	W79	4256	07	21.1	9	SF	C	2.0	3	C		20		
0360	ABST	27	0407E	0408	0420	S03	W88		07	20.6	13D	1F				P	0408	87		AD
0361	ABST	27	0556E	0557	0559D	N12	W66	4253	07	22.3	3D	SF				P	0557	87		D
0362		27	0829	0830	0840	S04	W87	4256	07	20.8	11	SN	C	1.7				12		
	LEAR	27	0829	0830	0840	S03	W88	4256	07	20.8	11	SF	C	1.7	3	C		12		
	KANZ	27	0845E		0845D	S05	W86	4256	07	20.9	11D	SN			1					
		27	0859		0925	No Flare Patrol														
		27	0938		0939	No Flare Patrol														
0363	CATA	27	0955	0955	1000	S09	E90	4263	08	3.2	5	S			2	C	0955	28		
0364	CATA	27	1130	1130	1145D	S09	E90	4263	08	3.2	15D	1			2	P	1130	56		
0365	KANZ	27	1342E		1343D	S07	W90	4256	07	20.8	1D	SN			1					
0366		27	1758*	1806*	1821	S10	E84	4263	08	3.1	23	SF	C	1.8				10		
	PALE	27	1758	1806	1810	S08	E86	4263	08	3.2	12	SF	C	1.8	3	C		10		
	HOLL	27	1802	1807	1813	S10	E83	4263	08	3.0	11	SF			3	C		14		
	RAMY	27	1823	1825	1825	S10	E84	4263	08	3.1	2	SF			3	C		9		
	RAMY	27	1831	1834	1836	S10	E82	4263	08	2.9	5	SF			3	C		7		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0367		27	1918*	1942*	1951	S10	E85	4263	08	3.2	33	SF					21		
	PALE	27	1851E	1912U	1922	S09	E89	4263	08	3.5	31D	SF		3	C		11		
	HOLL	27	1918	1942	1955	S11	E82	4263	08	3.0	37	SF		3	C		21		
	RAMY	27	1937	2006	2016	S10	E84	4263	08	3.1	39	SF		3	C		31		
0368	PALE	27	2121	2131	2143	S08	E86	4263	08	3.3	22	SF		3	C		24		
0369		27	22048	2154*	2217	S09	E86	4263	08	3.4	13	SF					57		DJ
	RAMY	27	2149E	2154	2158	S08	E81	4263	08	3.0	9D	SF		3	C		48		
	RAMY	27	2204	2204	2210D	S10	E84	4263	08	3.2	6D	SF		3	C		14		
	VORO	27	2210	2214	2221	S09	E90	4263	08	3.7	11	SF			C	2214	108		DJ
	PALE	27	2212	2213	2231	S08	E89	4263	08	3.6	19	SF		3	C				
0370		27	2251*	22599	2316	S08	E83	4263	08	3.2	25	SN					25		
	HOLL	27	2251	2259	2315	S10	E80	4263	08	3.0	24	SN		3	C		25		
	PALE	27	2307	2308	2317	S05	E86	4263	08	3.4	10	SF		3	C				
0371	VORO	27	2358	2406	2411	S09	E90	4263	08	3.7	13	SF			C	2406	81		DJ
0372	LEAR	28	0001E	0024	0039	S11	E74	4263	08	2.6	38D	SN		3	C		38		
0373	LEAR	28	0046	0056	0136	S10	E83	4263	08	3.3	50	SF		3	C		32		
0374	LEAR	28	0137	0144	0202	S09	E80	4263	08	3.1	25	SF		3	C		33		
0375		28	0510	0516*	0546	S08	E78	4263	08	3.1	36	1N					146		DEK
	TACH	28	0325E		0545D	S08	E70	4263	08	2.4	140D	1B			C		203		D
	CULG	28	0510	0516	0521	S07	E79	4263	08	3.1	11	1N			P	0516	60		
	ABST	28	0545E	0549	0611	S10	E85	4263	08	3.6	26D	1N			P	0549	175		EK
0376	ISTA	28	0706		0715	S13	E78	4263	08	3.2	9	SF							D
0377	ISTA	28	0744		0754	S13	E78	4263	08	3.2	10	SF							D
0378		28	1129	1156*	1312	S09	E75	4263	08	3.1	103	SN	C 3.0				40	2.8	AK
	RAMY	28	1129	1202	1348	S10	E75	4263	08	3.1	139	SN		3	C		57		K
	RAMY	28	1129	1234	1348	S10	E75	4263	08	3.1	139	SN	C 3.0	3	C		47		K
	WEND	28	1139E	1156	1208	S09	E75	4263	08	3.1	29D	SN			C	1156	25		
	KAND	28	1218E	1224	1316	S09	E80	4263	08	3.5	58D	1N	C 1.1		C		42	2.8	A
	KANZ	28	1231E		1240D	S09	E73	4263	08	3.0	9D	SN		1					
	WEND	28	1238E	1238	1303	S09	E74	4263	08	3.1	25D	SN	C 2.6		C	1238	31		
0379	RAMY	28	1304	1305	1309	N11	W83	4253	07	22.3	5	SF		3	C		36		
0380		28	1329*	1401*	1435	S11	E77	4263	08	3.3	66	SF	C 1.4				26		FK
	HOLL	28	1329	1412	1433	S14	E72	4263	08	3.0	64	SN	C 1.4	3	C		29		F
	RAMY	28	1358	1401	1436	S10	E79	4263	08	3.5	38	SF		3	C		27		K
	RAMY	28	1358	1411	1436	S10	E79	4263	08	3.5	38	SF	C 1.8	3	C		23		K
0381		28	17508	1805	1816	S08	E70	4263	08	3.0	26	SF	C 2.0				13		
	HOLL	28	1750	1800U	1808	S08	E69	4263	08	2.9	18	SF	C 2.0	2	C		11		
	RAMY	28	1750	1805	1833	S08	E71	4263	08	3.1	43	SN		3	C		18		
	PALE	28	1758	1805	1807	S07	E70	4263	08	3.0	9	SF	C 4.4	3	C		9		
0382	PALE	28	2007	2008	2011	S06	E69	4263	08	3.0	4	SF		3	C		6		
0383	PALE	28	2120	2121	2131	S08	E67	4263	08	2.9	11	SF		3	C		16		
0384	CULG	29	0217	0225	0325	N12	W87	4253	07	22.5	68	SF			C	0225	40		FI
0385		29	0353	0405*	0510	S11	E64	4263	08	3.0	77	1N	M 1.0				110	3.5	FK
	CULG	29	0353	0405	0434	S10	E65	4263	08	3.0	41	1N			P	0405	140	3.5	F
	LEAR	29	0353	0408	0528	S12	E64	4263	08	3.0	95	1N		3	C		134		FK
	LEAR	29	0353	0502	0528	S12	E64	4263	08	3.0	95	SN	M 1.0	3	C		56		K
0386		29	0358	0402*	0541	S15	E66	4267A	08	3.2	103	1N					213	4.8	E
	PURP	29	0358	0402	0541	S14	E66	4267A	08	3.1	103	1B			C	0402	113		
	TACH	29	0358	0438	0545D	S13	E70	4267A	08	3.4	107D	1B			C	0438	265	4.8	E
	ABST	29	0402E	0402	0419D	S17	E63	4267A	08	2.9	17D	1F			P	0402	262		E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0387	RAMY	29	1341	1342	1352	S17	E70	4267	08	3.9	11	SF		3	C		14		
		29	1459		1503	No Flare Patrol													
		29	1544		1551	No Flare Patrol													
		29	1603		1617	No Flare Patrol													
0388		29	1611*	16418	1653	S18	E68	4267	08	3.8	42	SF	C 3.4				55		F
	HOLL	29	1611	1641	1700D	S17	E68	4267	08	3.8	49D	SF		3	C		81		F
	RAMY	29	1646	1649	1653	S19	E69	4267	08	4.0	7	SF	C 3.4	3	C		29		
		29	1621		1631	No Flare Patrol													
		29	1640		1644	No Flare Patrol													
		29	1700		1711	No Flare Patrol													
0389	HOLL	29	1714	1740	1821	S18	E67	4267	08	3.8	67	SF		3	C		51		F
		29	1743		1753	No Flare Patrol													
		29	1801		1810	No Flare Patrol													
		29	1817		1818	No Flare Patrol													
		29	1823		1832	No Flare Patrol													
		29	1850		2337	No Flare Patrol													
		30	0038		0052	No Flare Patrol													
0390	LEAR	30	0117	0120	0127	S12	E60	4263	08	3.6	10	SF		3	C		25		
0391		30	0524	05251	0534	N12	W24	4269	07	28.4	10	SF					76	1.4	E
	LEAR	30	0524	0525	0538	N13	W24	4269	07	28.4	14	SF		3	C		21		
	ABST	30	0524	0526	0530	N12	W24	4269	07	28.4	6	SF			C	0526	131	1.4	E
0392		30	0726E	0726*	0804D	S08	E49	4263	08	3.0	38D	SF							DH
	KHAR	30	0726E	0726	0732D	S12	E51	4263	08	3.1	6D	SF			V	0726			DH
	KHAR	30	0729E	0731	0735D	S06	E47	4263	08	2.8	6D	SF			V	0731			DH
	KHAR	30	0756E	0758	0804D	S05	E50	4263	08	3.1	8D	SF			V	0758			DH
0393	LEAR	30	0800	0806	0815	N14	W25	4269	07	28.4	15	SF		3	C		23		FH
0394		30	0903E	0904*	0938D	S11	E60	4271	08	3.9	35D	SN					65	.6	D
	KHAR	30	0903E	0904	0909D	S11	E57	4271	08	3.7	6D	SN			P	0908	30	.6	D
	KHAR	30	0914E	0915	0938D	S11	E64	4271	08	4.2	24D	SN			P	0916	100		
0395		30	09053	09073	0940	N12	W26	4269	07	28.4	35	1N					110	3.3	F
	LEAR	30	0905	0907	0919D	N13	W25	4269	07	28.5	14D	SF		3	C		21		F
	KHAR	30	0908	0910	0940	N12	W27	4269	07	28.3	32	1N			P	0916	200	3.3	
0396	KHAR	30	0917E	0918	0922D	S17	E59	4267A	08	3.9	5D	SF			V	0918			
0397	KHAR	30	0927E	0930	0937D	S14	W43	4264	07	27.1	10D	SF			V	0930			
		30	1044		1049	No Flare Patrol													
0398		30	11146	11257	1213	N13	W28	4269	07	28.3	59	SB	C 3.5				122	1.0	K
	RAMY	30	1114	1125	1213	N13	W28	4269	07	28.3	59	SB	C 3.5	3	C		162		K
	RAMY	30	1114	1132	1213	N13	W28	4269	07	28.3	59	SB		3	C		119		K
	CATA	30	1120	1125	1145D	N14	W28	4269	07	28.3	25D	S		1	P	1125	84	1.0	
0399	RAMY	30	1148	1210	1211	S10	E48	4263	08	3.1	23	SF		3	C		40		
		30	1157		1209	No Flare Patrol													
		30	1219		1225	No Flare Patrol													
		30	1233		1239	No Flare Patrol													
0400	HOLL	30	1418	1421	1430	N14	W30	4269	07	28.3	12	SF		3	C		23		
0401		30	1438*	15142	1548	N14	W30	4269	07	28.3	70	SB					149		
	HOLL	30	1438	1516	1548	N14	W30	4269	07	28.3	70	SB		3	C		154		
	RAMY	30	1454	1514	1544D	N13	W30	4269	07	28.3	50D	SB		3	C		144		
0402		30	18191	18271	1840	S06	E41	4263	08	2.8	21	1B					151		H
	RAMY	30	1819	1827	1839	S06	E41	4263	08	2.8	20	SB		3	C		144		
	HOLL	30	1820	1828	1840	S06	E41	4263	08	2.8	20	1B		3	C		158		H

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0403	HOLL	30	1912	1914	1917	S06	E39	4263	08	2.7	5	SB	C 4.9	3	C		62		
0404	HOLL	30	1921	1923	1935	N14	W34	4269	07	28.2	14	SF	C 8.3	3	C		20		
0405	HOLL	30	1930	1930	1934	S09	E44	4263	08	3.1	4	SF		3	C		22		F
0406	HOLL	30	1941	1946	1959	N14	W34	4269	07	28.2	18	SF		3	C		42		
0407	HOLL	30	1950	1953	1958	S08	E45	4263	08	3.2	8	SF	C 1.8	3	C		25		
		30	2028		2030	No Flare Patrol													
		30	2109		2111	No Flare Patrol													
		30	2122		2128	No Flare Patrol													
0408		30	21453	21538	2248	N13	W34	4269	07	28.3	63	SB	C 1.7				155		EF
	HOLL	30	2145	2201	2248	N14	W34	4269	07	28.3	63	SB		2	C		148		FE
	RAMY	30	2148	2153	2218D	N12	W35	4269	07	28.3	30D	SB	C 1.7	3	C		161		
	PALE	30	2149E	2154U	2203D	N13	W34	4269	07	28.3	14D	SN	C 7.6	3	C		156		
0409		30	2156	2200	2202	S06	E38	4263	08	2.7	6	SN					43		
	RAMY	30	2156	2200	2202	S06	E38	4263	08	2.7	6	SN		3	C		35		
	PALE	30	2158E	2201U	2203D	S05	E39	4263	08	2.8	5D	SF		3	C		51		
0410	HOLL	30	2235	2235	2246	S08	E43	4263	08	3.2	11	SB		3	C		44		
		30	2325		2327	No Flare Patrol													
0411	PALE	31	0108	0116	0121	S08	E44	4263	08	3.3	13	SF		3	C		24		
0412	LEAR	31	0125	0126	0130	S07	E53	4268	08	4.0	5	SF	C 2.0	3	C		22		
0413		31	0147	01471	0154	N12	W34	4269	07	28.5	7	SB	C 4.7				38	.3	F
	LEAR	31	0147	0147	0149	N13	W34	4269	07	28.5	2	SN	C 4.7	3	C		52		F
	PURP	31	0148E	0148	0200	N11	W34	4269	07	28.5	12D	SB			P	0148	24	.3	
0414		31	0151	0200*	0316	S07	E41	4263	08	3.1	85	SN					124	1.6	EF
	LEAR	31	0151	0216	0254	S08	E42	4263	08	3.2	63	SN		3	C		118		F
	PALE	31	0153E	0218U	0334D	S06	E40	4263	08	3.1	101D	SN		3	C		144		F
	PURP	31	0200E	0200	0339	S08	E40	4263	08	3.1	99D	SN			C	0200	113	1.5	E
	CULG	31	0208E	0208U	0241D	S07	E42	4263	08	3.2	33D	SN			P	0208	120	1.6	F
0415	LEAR	31	0540	0540	0554	S06	E32	4263	08	2.6	14	SF		3	C		43		
0416		31	0624	0627	0638	S10	E32	4263	08	2.7	14	SB					39	.3	EF
	LEAR	31	0624	0627	0636	S09	E32	4263	08	2.7	12	SN		3	C		52		F
	PURP	31	0624	0627	0641	S10	E32	4263	08	2.7	17	SB			C	0627	26	.3	E
0417		31	06502	06512	0658	N14	W38	4269	07	28.4	8	SN					72	1.1	DV
	ABST	31	0650	0651	0656	N14	W38	4269	07	28.4	6	SN			C	0651	87	1.1	DV
	LEAR	31	0652	0653	0659	N13	W37	4269	07	28.5	7	SN		3	C		57		
0418		31	0742*	0743*	0802	S17	E42	4263A	08	3.5	20	SF					51	1.2	
	LEAR	31	0742	0743	0759	S16	E45	4263A	08	3.7	17	SF		3	C		18		
	CATA	31	0755	0755	0805	S18	E39	4263A	08	3.3	10	S		1	C	0755	84	1.2	
0419		31	0825*	0831*	1005	S10	E45	4263	08	3.7	100	SF					84	1.2	
	CATA	31	0825	0840	1005	S08	E44	4263	08	3.6	100	S		2	C	0840	84	1.2	
	PURP	31	0831E	0831	0846D	S09	E47	4263	08	3.9	15D	SF			C	0831	53	.8	
	CATA	31	0850	0905	1025	S12	E44	4263	08	3.7	95	S		2	C	0905	56	.8	
	ATHN	31	0915E	0915	0946	S10	E44	4263	08	3.7	31D	1F			V	0915	143	2.2	
0420	LEAR	31	0829	0909	0927D	S10	E29	4263	08	2.5	58D	1N		3	C		220		F
0421	CATA	31	1025	1025	1030	S12	W10	4266	07	30.7	5	S		2	C	1025	28	.3	
0422	RAMY	31	1146	1151	1203	S21	E48	4267	08	4.2	17	SF		3	C		48		
0423	HOLL	31	1355	1437	1441	N15	W43	4269	07	28.3	46	SF		3	C		47		

H - ALPHA S O L A R F L A R E S

JULY 1983

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0424	HOLL	31	1411	1412	1440	S08	E47	4268	08	4.1	29	SF		3	C		20		
0425		31	19071	19091	1924	S08	E22	4263	08	2.4	17	SN					52		F
	PALE	31	1907	1910	1923	S07	E22	4263	08	2.4	16	SF		3	C		44		
	HOLL	31	1908	1909	1925	S08	E21	4263	08	2.4	17	SN		3	C		59		F
		31	1944		1948	No Flare Patrol													
		31	2053		2104	No Flare Patrol													
0426		31	2153	21545	2206	S07	E26	4263	08	2.8	13	SF					133	1.6	DEFIJ
	PALE	31	2151E	2156U	2214	S08	E29	4263	08	3.1	23D	SN		3	C		129		F
	VORO	31	2153	2154	2156	S06	E20	4263	08	2.4	3	SF			C	2154	81	.9	D
	VORO	31	2153	2159	2209	S08	E30	4263	08	3.2	16	1F			C	2159	188	2.2	EIJ
0427	VORO	31	2221	2222	2230	S06	E20	4263	08	2.4	9	SF			C	2222	99	1.1	DJ

"Remarks":

A = Eruptive prominence whose base is less than 90° from central meridian.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No visible spots in the neighborhood.
H = Flare accompanied by high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the H and K lines of Ca II.
P = Flare shows helium D3 in emission.
Q = Flare shows Balmer continuum in emission.
R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
S = Brightness follows disappearance of filament in same position.
T = Region active all day.
U = Two bright branches, parallel or converging.
V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide H-alpha line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.