

H - ALPHA SOLAR FLARES

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Corr (Sq Deg)	Remarks	
								Region	Mo									(10 ⁻⁶ Disk)	Disk			
0037		07	0119	01221	0135	S11	E15	4137	04	8.2	16	SF						85		1.2	EHIJ	
	LEAR	07	0119	0122	0136	S11	E15	4137	04	8.2	17	SF						57				
	PALE	07	0119	0123	0133	S11	E15	4137	04	8.2	14	SF						54				
	VORO	07	0119	0123	0145D	S10	E16	4137	04	8.2	26D	SN					0123	179		1.9	EHIJ	
	MANI	07	0122E	0123	0135	S11	E15	4137	04	8.2	13D	SF						50		.5		
0038		07	01443	01463	0204	S19	W68	4129	04	1.9	20	SN						63		.9	EF	
	CULG	07	0144	0146	0159	S21	W68	4129	04	1.8	15	SN					0146	50			F	
	PURP	07	0144	0146	0205	S21	W71	4129	04	1.6	21	1N					0146	90			E	
	LEAR	07	0144	0146	0210	S17	W69	4129	04	1.8	26	SN						80			F	
	PALE	07	0146	0147U	0204	S20	W67	4129	04	1.9	18	SN						51			F	
	MANI	07	0147	0149	0202D	S19	W67	4129	04	2.0	15D	SN						45		.9	F	
0039		07	0149*	0154*	0244	S11	E14	4137	04	8.1	55	SN	C 2.5					124		1.4	FU	
	CULG	07	0149	0154	0247	S10	E14	4137	04	8.1	58	1N					0154	220		2.2	F	
	LEAR	07	0150	0155	0249	S11	E13	4137	04	8.0	59	SN	C 2.5					141			F	
	PURP	07	0150	0157U	0232	S11	E14	4137	04	8.1	42	SB	C 2.5				0157	110		1.2		
	PALE	07	0153E	0200U	0249	S11	E14	4137	04	8.1	56D	SN						164			UF	
	PALE	07	0210E	0218	0238	S11	E18	4137	04	8.4	28D	SF						23				
	PEKG	07	0214	0229	0250	S11	E14	4137	04	8.1	36	SN					0229	84		.9	FU	
0040	HTPR	07	1202		1217D	S17	W85	4127	04	1.0	15D	SF					1207	10				
0041	HTPR	07	1257E		1301D	S17	W85	4127	04	1.1	4D	SN					1301	20				
0042	KANZ	07	1402	1414	1427	S10	E09	4137	04	8.3	25	SF						3				
0043	KANZ	07	1406	1410	1418	S15	E50	4138	04	11.4	12	SF						3				
		07	1428		1455	No Flare Patrol																
		07	1505		1703	No Flare Patrol																
0044	PALE	07	1716	1729	1755	S10	E05	4137	04	8.1	39	SF						54				
		07	1857		1911	No Flare Patrol																
		07	1921		1940	No Flare Patrol																
		07	1944		2000	No Flare Patrol																
		07	2024		2048	No Flare Patrol																
		07	2101		2109	No Flare Patrol																
0045	PALE	08	0009	0012	0015	S17	E45	4138	04	11.4	6	SF						22				
0046		08	0017	0020	0040	S10	E03	4137	04	8.2	23	SN	C .5					90		1.5	EFIJ	
	PALE	08	0017	0020	0029	S10	E04	4137	04	8.3	12	SF	C .5					38			F	
	VORO	08	0017	0020	0050	S10	E02	4137	04	8.2	33	SN					0020	143		1.5	EIJ	
0047		08	00449	0044*	0107	S17	E44	4138	04	11.4	23	SF						48		1.1	DJK	
	PALE	08	0044	0044	0104	S17	E44	4138	04	11.4	20	SF						25			K	
	PALE	08	0044	0053	0104	S17	E44	4138	04	11.4	20	SF						39			K	
	VORO	08	0053	0054	0112	S16	E43	4138	04	11.3	19	SN					0054	81		1.1	DJ	
0048		08	01176	01225	0141	S16	E44	4138	04	11.4	24	SF						56		.9	DJ	
	LEAR	08	0117	0124	0139	S17	E44	4138	04	11.4	22	SF						47				
	PALE	08	0117	0127	0144D	S16	E42	4138	04	11.2	27D	SF						52				
	MANI	08	0120E	0122	0143	S17	E45	4138	04	11.5	23D	SF						35		.5		
	VORO	08	0123	0127	0135D	S16	E43	4138	04	11.3	12D	SN					0127	90		1.3	DJ	
0049	ABST	08	0620E	0623	0640	S15	E40	4138	04	11.3	20D	SN					0623	131		1.7	EHK	
0050	ABST	08	0621	0625	0645	S10	E01	4137	04	8.3	24	SN					0625	174		1.8	F	
0051	KAND	08	1002	1014	1018	S17	E38	4138	04	11.3	16	SF						21		.3	D	
0052	RAMY	08	1203	1203	1210	S11	W01	4137	04	8.4	7	SN						46			F	
0053		08	1257*	1313	1322	S16	E36	4138	04	11.3	25	SB						40		.5	D	
	KAND	08	1257	1313	1328	S17	E37	4138	04	11.3	31	SB						37		.5	D	
	RAMY	08	1309	1313	1316	S16	E35	4138	04	11.2	7	SN						43				

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	OMP Mo	Dur Day	(Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks		
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0054	RAMY	08	1607	1608	1648	S12	W01	4135	04	8.6	41	SF		3	C		81				
0055	RAMY	08	1657	1702	1707	S15	E34	4138	04	11.3	10	SN C	1.3	3	C		43				
0056	PALE	08	1728	1728	1739	S15	E34	4138	04	11.3	11	SF		4	C		29				
0057	PALE	08	1751	1756	1801	S15	E33	4138	04	11.2	10	SF		4	C		35				
0058		08	18036	1812	1817	S15	E33	4138	04	11.2	14	SN C	.6				66				
	RAMY	08	1803	1812	1817	S15	E33	4138	04	11.2	14	SN C	.6	3	C		68				
	PALE	08	1809	1812	1817	S15	E33	4138	04	11.2	8	SF C	.6	4	C		63				
		08	2009		2026	No Flare Patrol															
		08	2034		2053	No Flare Patrol															
		08	2105		2115	No Flare Patrol															
		08	2132		2210	No Flare Patrol															
		08	2214		2218	No Flare Patrol															
0059	PALE	09	0256	0300	0305	S11	W16	4137	04	7.9	9	SF		3	C		26				
0060	LEAR	09	0258	0300	0303	S18	E29	4138	04	11.3	5	SF		3	C		46				
0061		09	04553	04588	0519	S11	W08	4135	04	8.6	24	SN C	2.3				135	1.3	EFHJK		
	MITK	09	0455	0458	0524	S12	W08	4135	04	8.6	29	SN			C	0458					
	CULG	09	0455	0459	0510D	S11	W09	4135	04	8.5	15D	SB			P	0459	90	.9	EK		
	ABST	09	0456E	0502	0523	S11	W09	4135	04	8.5	27D	SN			P	0502	192	2.0	FHJ		
	PEKG	09	0458	0506	0510	S11	W09	4135	04	8.5	12	SN C	2.3		C	0506	101	1.0	FHJ		
	LEAR	09	0502E	0503	0518	S12	W08	4135	04	8.6	16D	SN C	2.3	2	C		157		H		
0062	ABST	09	0607E	0607	0632D	S10	W16	4137	04	8.0	25D	SF			P	0607	157	1.6	EJ		
0063		09	08152	08173	0831	S18	E26	4138	04	11.3	16	SN C	1.1				114	1.6	E		
	CATA	09	0815	0820	0830	S18	E25	4138	04	11.2	15	S		1	C	0820	140	1.6			
	LEAR	09	0816	0819	0834	S18	E25	4138	04	11.2	18	SF C	1.1	3	C		77				
	ISTA	09	0817		0827	S18	E26	4138	04	11.3	10	SN C	1.1						E		
	KANZ	09	0817	0817	0837	S17	E27	4138	04	11.4	20	SN		3							
	YUNN	09	0822E	0822U	0828	S18	E26	4138	04	11.3	6D	SN			P	0822	126	1.5	E		
0064	KANZ	09	0910	0918	0926	S15	E26	4138	04	11.3	16	SN		3							
0065		09	11107	11191	1140	S18	E25	4138	04	11.4	30	SN C	1.1				86	1.3	F		
	CATA	09	1110	1120	1130	S18	E25	4138	04	11.4	20	S		1	C	1120	112	1.3			
	RAMY	09	1117	1119	1149	S17	E25	4138	04	11.4	32	SN C	1.1	3	C		60		F		
0066	HOLL	09	1512	1515	1529	S18	E21	4138	04	11.2	17	SN C	1.0	4	C		110		FH		
0067	HOLL	09	1603	1604	1607	S08	E39	4140	04	12.6	4	SF		3	C		18				
0068		09	1635	1635*	1704	S10	E64		04	14.5	29	SF C	.6				47		F		
	HOLL	09	1635	1635	1707	S11	E64		04	14.5	32	SF		4	C		37		F		
	RAMY	09	1635	1648	1701	S10	E65		04	14.6	26	SF C	.6	3	C		57				
0069		09	17441	1745	1805	S18	E20	4138	04	11.3	21	SN C	.5				42		F		
	HOLL	09	1744	1745	1809	S18	E20	4138	04	11.3	25	SN C	.5	3	C		44		F		
	RAMY	09	1745	1745	1801	S17	E21	4138	04	11.3	16	SF C	.5	3	C		41				
0070	HOLL	10	0025	0026	0028	S12	W24	4137	04	8.2	3	SF		3	C		34				
0071		10	07219	07269	0745	S10	E58		04	14.7	24	SF					132	3.0			
	LEAR	10	0721	0730	0740	S11	E58		04	14.7	19	SF		3	C		85				
	KANZ	10	0722	0726	0726D	S10	E58		04	14.7	4D	SF		1							
	MANI	10	0724	0731	0738D	S10	E58		04	14.7	14D	SF		1	V		95	1.7			
	BUCA	10	0728		0756	S09	E58		04	14.7	28	1F			P	0730	215	4.1			
	ATHN	10	0730	0735	0740	S10	E60		04	14.8	10	1F		4	V	0735	134	3.2			
0072	KANZ	10	0956	1000	1008	S07	E29	4140	04	12.6	12	SN		3					D		
0073	KANZ	10	1245	1248	1300	S09	W33	4137	04	8.0	15	SF		2							

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																	(10 ⁻⁶ Disk)	Apparent (Sq Deg)		
0074		10	15141	15201	1540	S11	W33	4137	04	8.1	26	SF	C	.5			40		F	
	RAMY	10	1514	1520	1540	S13	W33	4137	04	8.1	26	SF	C	.5	3	C	52			
	HOLL	10	1515	1520	1535D	S11	W32	4137	04	8.2	20D	SF	C	.5	4	C	27		F	
	KANZ	10	1517E	1521	1521D	S09	W35	4137	04	8.0	4D	SF			2					
0075		10	22162	22191	2235	S06	E22	4140	04	12.6	19	SF	C	.8			48	.6	DFJ	
	CULG	10	2216	2220	2226	S05	E22	4140	04	12.6	10	SF			C	2220	50	.5	F	
	HOLL	10	2218	2219	2231	S06	E23	4140	04	12.6	13	SF	C	.8	3	C	32		F	
	VORO	10	2218	2220	2247	S07	E22	4140	04	12.6	29	SF			C	2221	63	.7	DJ	
0076		11	02112	02151	0225	S12	W40	4137	04	8.1	14	SN					80	1.7		
	YUNN	11	0211	0215	0224	S12	W41	4137	04	8.0	13	SN			C		126	1.7		
	LEAR	11	0213	0216	0226	S12	W40	4137	04	8.1	13	SF			C		35			
0077	ATHN	11	0945E	0946	0958	S09	W39	4137	04	8.5	13D	SF			V	0946	32	.4		
		11	1015	1015	1028	S11	W44	4137	04	8.1	13	SN					52	.8		
	CATA	11	1015	1015	1025	S14	W43	4137	04	8.2	10	S			C	1015	56	.8		
	ATHN	11	1015	1015	1030	S08	W46	4137	04	8.0	15	SN			V	1030	48	.7		
0079	KANZ	11	1320	1328	1336	S08	E65	4148A	04	16.4	16	SN				2				
0080	HOLL	11	1450	1500	1514	S08	W48	4137	04	8.0	24	SF			C		23			
		11	1539		1703	No Flare Patrol														
		11	1709		1737	No Flare Patrol														
0081	HOLL	11	1858	1859	1907	S17	W07	4138	04	11.2	9	SF			C		35			
0082	HOLL	11	1954E	1955U	2011	S06	E10	4140	04	12.6	17D	SF			C		25			
		11	2023		2025	No Flare Patrol														
		11	2101		2201	No Flare Patrol														
0083	VORO	11	2342	2348	2410	S18	W11	4138	04	11.1	28	1F			C	2348	197	2.1	EIJ	
0084	HTPR	12	1424	1429	1454	S09	E58	4142	04	16.9	30	SF			C	1429	40	.7	E	
		12	1707		1736	No Flare Patrol														
0085	HOLL	12	1900	1900	1903	S08	E49	4145	04	16.5	3	SF	C	.4	3	C	24			
		12	2033		2047	No Flare Patrol														
		12	2116		2130	No Flare Patrol														
		12	2135		2147	No Flare Patrol														
0086		13	0008*	0012*	0030	S10	W65	4137	04	8.1	22	SN					52	1.1		
	MANI	13	0008	0012	0028	S10	W65	4137	04	8.1	20	SN			V		55	1.1		
	LEAR	13	0022	0023	0031	S10	W65	4137	04	8.1	9	SN			C		50			
0087	CULG	13	0407	0412	0418	S03	E46	4142	04	16.6	11	SF			C	0412	30	.4		
0088	ABST	13	0614	0616	0626	S12	W71	4137	04	7.9	12	SF			P	0616	70		DJ	
0089	CATA	13	0830	0830	0835	S08	W71	4137	04	8.0	5	S			C	0830	56			
0090	HTPR	13	0938	0944	0951	S12	E40	4148A	04	16.4	13	SN			C	0944	30	.4		
0091		13	1003*	1007*	1040	S10	E46	4142	04	16.9	37	SF					15	.2	D	
	HTPR	13	1003	1007	1017	S10	E46	4142	04	16.9	14	SN			C	1007	20	.3		
	KHAR	13	1007E		1011D	S11	E45	4142	04	16.8	4D	SF			P	1007			D	
	HTPR	13	1023	1035	1102	S10	E46	4142	04	16.9	39	SF			C	1035	10	.1		
0092		13	1013	1021	1031	S12	E40	4148A	04	16.4	18	SN					30	.4		
	HTPR	13	1013	1021	1031	S12	E40	4148A	04	16.4	18	SN			C	1021*	30	.4		
	KHAR	13	1017E		1024D	S12	E41	4148A	04	16.5	7D	SF			P	1017				
0093	HTPR	13	1039	1050	1104	S12	E39	4148A	04	16.4	25	SN			C	1050	40	.5		

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0121	14	1535	1536	1541	N12	E72	4146	04	20.1	6	SN						20		D	
	HTPR	14	1535	1537	1541	N12	E71	4146	04	20.0	6	SF		C	1537		20			
	KANZ	14	1536	1536	1540	N13	E72	4146	04	20.1	4	SB	3						D	
0122	HTPR	14	1543	1546	1600	S10	E32	4142	04	17.0	17	SF			C	1546		20	.2	
		14	1702		2049	No Flare Patrol														
0123	MANI	15	0001E	0002U	0010	N07	E80	4146	04	21.0	9	SF		1	V					
0124	CULG	15	0132	0133	0144	S09	E18	4148A	04	16.4	12	SN			C	0133		30	.3	
0125		15	0158	02019	0218	S12	W90		04	8.3	20	1B						63		AG
	YUNN	15	0158	0201	0214	S13	W89		04	8.4	16	1N			C			63		AG
	MANI	15	0200E	0210	0221	S12	W90		04	8.3	21	SB	1		V					
0126	MANI	15	0219E	0219U	0245	N07	E80	4146	04	21.1	26	SB		1	V					
0127	HTPR	15	1214	1222	1235	S11	W42	4143	04	12.3	21	SF			C	1222		10	.1	
		15	1646		2043	No Flare Patrol														
		15	2154		2214	No Flare Patrol														
0128	VORO	16	0015	0018	0027	N05	E64	4146	04	20.8	12	1F			C	0018		108		CDH
		16	0401		0419	No Flare Patrol														
0129	ABST	16	0520	0523	0545	S10	E02	4148A	04	16.4	25	SF			P	0523		174	1.7	F
0130	ABST	16	0522	0524	0545	S10	E11	4149	04	17.0	23	SF			P	0524		131	1.3	D
0131	HTPR	16	0700	0709	0713	N03	E58	4146	04	20.6	13	SF			C	0709		20	.4	
0132	HTPR	16	0815	0818	0821	N03	E58	4146	04	20.7	6	SF			C	0818		20	.4	
0133		16	0910*	0920*	0946	N04	E58	4146	04	20.7	36	SF						38	.8	E
	HTPR	16	0910	0920	0946	N03	E56	4146	04	20.6	36	SF			C	0920		30	.5	E
	CATA	16	0920	0930	0945	N04	E61	4146	04	20.9	25	S	1		C	0930		45	1.0	
		16	1151		1215	No Flare Patrol														
		16	1517		2114	No Flare Patrol														
0134	CULG	17	0413E	0414U	0428	S10	W09	4145	04	16.5	15	SF			P	0414		40	.4	F
0135	KANZ	17	0833	0837	0841	S23	W28	4148	04	15.2	8	SF		2						L
0136	KANZ	17	0905	0909	0933	S11	E06	4149	04	17.8	28	SF		1						
0137	KANZ	17	1123	1139	1147	S29	W33	4148	04	14.9	24	SF		1						
0138	KANZ	17	1241	1245	1305	S31	W37	4148	04	14.6	24	SF		1						
0139	WEND	17	1506	1508	1512	S10	W67	4138	04	12.6	6	SF			C	1508		56		
		17	1523		2113	No Flare Patrol														
0140	MANI	17	2328	2329	2405	S10	W03	4149	04	17.7	37	SF	C	.7	1	V		54	.6	
		18	0206		0212	No Flare Patrol														
0141	YUNN	18	0320	0322	0330	S30	W42	4148	04	14.8	10	SN			C			94	1.4	
0142	YUNN	18	0415	0418	0429	S30	W42	4148	04	14.9	14	SN			C			79	1.2	
0143	YUNN	18	0525E	0529U	0542	S28	W45	4148	04	14.7	17	SN			P	0529		94	1.5	
0144	ATHN	18	0855E	0857	1013	N05	W20		04	16.9	78	SN		2	V	0857		159	1.8	

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
			18 0941		0954			No Flare Patrol												
			18 1401		1530			No Flare Patrol												
0145	KANZ	18	1531E	1531	1555	S22	E57	4152	04	23.0	24D	SN			3					
			18 1603		2208			No Flare Patrol												
0146	VORO	19	0000	0004	0024	N21	E22		04	20.7	24	1F			C	0004	215	2.3	CE	
			19 0026		0042			No Flare Patrol												
			19 0106		0140			No Flare Patrol												
			19 0152		0156			No Flare Patrol												
			19 0159		0216			No Flare Patrol												
			19 0318		0340			No Flare Patrol												
0147	ATHN	19	0821	0823	0830	S28	W58	4148	04	14.8	9	SN			3	V	0823	95	1.9	
0148	ATHN	19	0920	0922	0933	S11	E77	4150	04	25.2	13	SN			3	V	0922	64		
0149	ATHN	19	0948	0950	1002	S28	W58	4148	04	14.9	14	1N			3	V	0950	111	2.2	
0150	HOLL	19	1412	1412	1422	S29	W60	4148	04	14.9	10	SF			2	C		18		
0151	HOLL	19	1450	1451	1455	S30	W60	4148	04	14.9	5	SF			3	C		16		
0152	HOLL	19	1519	1520	1524	S30	W61	4148	04	14.8	5	SF			3	C		20		
0153	HOLL	19	1545	1602	1637	S31	W61	4148	04	14.8	52	SF C	.8		3	C		53		
0154	HOLL	19	1552E	1554U	1608	S13	W57	4145	04	15.4	16D	SF			3	C		96		F
0155		19	1639	1642*	1817	S30	W62	4148	04	14.8	98	SN C	.8					76		K
	HOLL	19	1639	1642	1817	S30	W62	4148	04	14.8	98	SN			3	C		85		K
	HOLL	19	1639	1749	1817	S30	W62	4148	04	14.8	98	SN C	.8		3	C		66		K
0156		19	1819	1824*	1843	S29	W62	4148	04	14.9	24	SN C	1.8					50		K
	HOLL	19	1819	1824	1843	S29	W62	4148	04	14.9	24	SN			3	C		37		K
	HOLL	19	1819	1835	1843	S29	W62	4148	04	14.9	24	SN C	1.8		3	C		64		K
0157	HOLL	19	1900	1905	1910	S30	W62	4148	04	14.9	10	SN C	.8		3	C		24		
0158	HOLL	19	1931	1934	1939	S30	W62	4148	04	14.9	8	SN			3	C		42		
			19 2002		2021			No Flare Patrol												
0159	HOLL	19	2022E	2022U	2026	S30	W63	4148	04	14.9	4D	SF			3	C		23		
0160		19	2123	2127	2132	S30	W66	4148	04	14.7	9	1F						74		EJ
	HOLL	19	2123	2127	2130	S30	W63	4148	04	14.9	7	SF			3	C		24		
	VORO	19	2125E		2134	S30	W68	4148	04	14.5	9D	1F				C	2125	125		EJ
0161		19	21563	21581	2231	S30	W66	4148	04	14.7	35	1F C	1.2					64		EFJK
	VORO	19	2156	2158	2252	S30	W68	4148	04	14.6	56	1F				C	2158	99		EJK
	HOLL	19	2159	2159	2210	S29	W64	4148	04	14.9	11	SF C	1.2		3	C		29		F
0162	HOLL	19	2236	2240	2243	S30	W64	4148	04	14.9	7	SF			3	C		22		
0163		19	23415	23464	2400	N10	E21	4151	04	21.6	19	SN						60	1.1	CDFG
	VORO	19	2341	2346	2359	N10	E21	4151	04	21.6	18	SN				C	2346	99	1.1	CDG
	HOLL	19	2346	2350	2401	N09	E21	4151	04	21.6	15	SF			3	C		21		F
0164		20	00182	00231	0036	S13	E72	4150A	04	25.4	18	1F C	2.2					94	2.2	CDF
	VORO	20	0018	0023	0034	S13	E75	4150A	04	25.7	16	1F				C	0023	90		CD
	LEAR	20	0019	0023U	0037	S13	E71	4150A	04	25.4	18	SF C	2.2		3	C		79		
	HOLL	20	0020	0024	0037	S14	E72	4150A	04	25.4	17	SN C	2.2		3	C		110		F
	MANI	20	0022E	0024	0037	S13	E72	4150A	04	25.4	15D	1F			1	V		95	2.2	F
0165		20	0618	0619I	0648	S13	E68	4150	04	25.4	30	1F C	2.1					66		
	LEAR	20	0618	0619	0648	S13	E69	4150	04	25.5	30	SF C	2.1		3	C		47		
	CATA	20	0620E	0620	0620D	S13	E67	4150	04	25.3	30D	1			2	P	0620	84		

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																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)				
0166		20	06455	0655*	0748	S29	W66	4148	04	15.1	63	SN	C	2.2			47	1.4	E			
	KANZ	20	0644E	0705	0705D	S28	W61	4148	04	15.5	21D	SN			1							
	CATA	20	0645	0655	0725D	S29	W68	4148	04	14.9	40D	S			2	P	0655	56				
	LEAR	20	0650	0703	0748	S30	W66	4148	04	15.1	58	SN	C	2.2	3	C		26				
	HTPR	20	0716E		0724D	S30	W70	4148	04	14.8	8D	SN				C	0720	60	1.4	E		
0167	LEAR	20	0755	0800	0814	S11	W37	4149	04	17.5	19	SF				3	C		30		U	
0168	ATHN	20	1222E	1228	1259	S24	E32	4152	04	23.0	37D	SB				3	V	1228	64	.8		
0169	HOLL	20	1353E	1355	1410	S10	E59	4150	04	25.0	17D	SF				3	C		30			
0170	HOLL	20	1726	1729	1818	S13	E63	4150	04	25.5	52	SF	C	2.7	3	C			134		F	
		20	1955		2052	No Flare Patrol																
		20	2059		2108	No Flare Patrol																
		20	2122		2214	No Flare Patrol																
0171	MANI	20	2319E	2322	2401D	S28	W80	4148	04	14.7	42D	SN			1	V						
0172	VORO	21	0044	0047	0058	S09	E56	4150	04	25.2	14	1F					C	0047	116	2.1	CDJ	
0173	HOLL	21	0115E	0116U	0121	N09	W46		04	17.6	6D	SF			2	C			20		F	
0174	ABST	21	0448	0452	0500	S10	E51	4150	04	25.0	12	SN					C	0452	87	1.3	DK	
0175		21	05151	05179	0544	S14	E56	4150A	04	25.4	29	1N							103	3.4	E	
	LEAR	21	0515	0517	0538	S13	E57	4150A	04	25.5	23	SF			3	C			32			
	ABST	21	0516	0526	0550	S14	E56	4150A	04	25.4	34	1N					C	0526	174	3.4	E	
0176	ABST	21	0647	0649	0655	N11	E07	4151	04	21.8	8	SN					C	0649	174	1.9	E	
0177	ABST	21	0652	0657	0713	S10	W90		04	14.5	21	1N					C	0657	174		ADK	
0178	RAMY	21	1326	1328	1333	S08	E84	4154	04	27.8	7	SF			3	C			11			
		21	1648		1654	No Flare Patrol																
0179		21	1831	1832*	1844	S09	E87	4154	04	28.3	13	1N	C	1.3					31			
	HOLL	21	1831	1832	1844	S10	E87	4154	04	28.3	13	SN			3	C			31			
	PALE	21	1858E	1902	1925D	S08	E87	4154	04	28.3	27D	1N	C	1.3	3	C						
0180	HOLL	21	1844	1846	1906	S13	E52	4150A	04	25.7	22	SF			3	C			42		F	
0181	HOLL	21	1933	1935	1950	S10	E84	4154	04	28.1	17	SF	C	1.1	3	C			12		F	
0182	HOLL	21	1956	1959	2005	S10	E85	4154	04	28.2	9	SN			3	C			25		F	
0183	HOLL	21	2011	2013	2025	S10	E84	4154	04	28.1	14	SF			3	C			8			
		21	2033		2104	No Flare Patrol																
0184	HOLL	21	2042	2042	2047	N08	W17	4146	04	20.6	5	SN	C	2.2	3	C			53		F	
		21	2216		2241	No Flare Patrol																
0185	HOLL	21	2237	2238U	2251D	N07	W18	4146	04	20.6	14D	SF			2	C			46		F	
		21	2244		2249	No Flare Patrol																
0186		22	0003	0015	0042	S19	E89	4156	04	28.8	39	N									A	
	PEKG	22	0003	0015	0040	S18	E90	4156	04	28.8	37	N					C	0015			A	
	YUNN	22	0017E	0017U	0045	S20	E88	4156	04	28.7	28D						P	0017			A	
0187		22	01037	0108*	0120	S11	E45	4150	04	25.4	17	SN							71	1.0	EF	
	CULG	22	0103	0105U	0105D	S08	E47	4150	04	25.6	2D	SN					P	0105	80	1.2	F	
	YUNN	22	0105	0108	0120	S12	E43	4150	04	25.3	15	SN					C		79	1.1	E	
	PEKG	22	0110	0120	0130D	S12	E46	4150	04	25.5	20D	SN					P	0120	55	.8	E	

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															Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
0188	YUNN	22	0145	0154	0207	S13	E47	4150A	04	25.6	22	SN		C	110	1.7		
0189	YUNN	22	0212E	0215	0227	S13	E47	4150A	04	25.6	15D	SN		P	94	1.4		
0190		22	03052	03113	0335	S24	E15	4152	04	23.3	30	1N C 1.8			210	2.6	F	
	CULG	22	0305	0308U	0308D	S23	E16	4152	04	23.4	3D	SN		P	0308	150	1.6	F
	YUNN	22	0305	0314	0343	S25	E13	4152	04	23.1	38	1N		C	314	3.5	F	
	LEAR	22	0307	0311	0332	S25	E15	4152	04	23.3	25	SF C 1.8	1	C	134			
	PEKG	22	0314E	0314	0330	S24	E15	4152	04	23.3	16D	1N C 1.8		C	0314	244	2.7	F
0191	HTPR	22	0556E		0655	N15	W07	4151	04	21.7	59D	SN		C	0620	80	.8	E
0192	HTPR	22	0556E		0652	N08	W24	4146	04	20.4	56D	SF		C	0602	20	.2	
0193	HTPR	22	0556E		0640	S10	W67	4149	04	17.2	44D	SF		C	0621	20	.4	
0194		22	0600	06264	0905	S12	E35	4150	04	24.9	185	SN			48	.6		
	HTPR	22	0600	0626	0905	S11	E34	4150	04	24.8	185	SN		C	0626	40	.5	
	CATA	22	0630E	0630	0645D	S13	E36	4150	04	25.0	15D	S	2	P	0630	56	.7	
0195		22	0610E	06146	0620D	N15	W08	4151	04	21.6	10D	SN			150	1.6	E	
	ABST	22	0610E	0614	0620D	N15	W07	4151	04	21.7	10D	SN		P	0614	131	1.4	E
	CATA	22	0615E	0620	0620D	N15	W08	4151	04	21.6	5D	S	2	P	0620	169	1.9	
0196		22	0610E	0616*	0645D	N08	W25	4146	04	20.4	35D	SN			72	.8	D	
	ABST	22	0610E	0616	0620D	N07	W25	4146	04	20.4	10D	SN		P	0616	87	1.0	D
	CATA	22	0630E	0630	0645D	N09	W25	4146	04	20.4	15D	S	2	P	0630	56	.7	
0197	HTPR	22	0811	0830	0950	N08	W28	4146	04	20.2	99	SF		C	0830	70	.8	E
0198	PEKG	22	0823	0826	0831	S13	E35	4150	04	25.0	8	SN		C	0826	29	.4	D
0199	KHAR	22	0907E		0920D	S09	E80	4154	04	28.4	13D	SF		P				D
0200	HTPR	22	1000	1007	1011	S11	W70	4149	04	17.1	11	SF		C	1007	20	.4	
0201		22	1034	10504	1108	S10	E80	4154	04	28.4	34	SN			30			D
	HTPR	22	1034	1054	1108	S10	E80	4154	04	28.4	34	SN		C	1054	30		
	KHAR	22	1043E	1050	1103D	S09	E80	4154	04	28.4	20D	SN		P	1050			D
0202	HTPR	22	1129	1133	1141	S10	E80	4154	04	28.5	12	SN		C	1133	30		
0203	HTPR	22	1134	1149	1205	S11	E31	4150	04	24.8	31	SF		C	1149	20	.2	
		22	1210		1217	No Flare Patrol												
		22	1219		1236	No Flare Patrol												
		22	1258		1259	No Flare Patrol												
0204		22	13317	1339	1356	S12	E34	4150	04	25.1	25	SF			19	.2	F	
	HTPR	22	1331		1342D	S11	E31	4150	04	24.9	11D	SF		C	1341	20	.2	
	HOLL	22	1338	1339	1356	S12	E37	4150	04	25.3	18	SF	2	C		18		F
0205	KANZ	22	1602	1602	1623	S12	E30	4150	04	24.9	21	SN						
0206	KANZ	22	1705		1705D	S11	E74	4154	04	28.3	21D	SF						
0207	KANZ	22	1705		1705D	S12	E29	4150	04	24.9	21D	SF						
0208	HOLL	22	1734	1734	1740	S11	E72	4154	04	28.1	6	SF C 1.3	3	C		14		F
0209	HOLL	22	2236	2240	2320	S13	E33	4150	04	25.4	44	SF				82		F
0210	HOLL	22	2243	2244	2251	S21	E78	4156	04	28.9	8	SF C 1.4	3	C		34		
0211	HOLL	23	0124	0127U	0135D	S18	E59		04	27.5	11D	SN		2	C	110		F
0212	LEAR	23	0516	0517	0555D	S10	E22	4150	04	24.9	39D	SF C 1.9	3	C		49		F

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0213		23	0658	06598	0716	S13	E27	4150	04	25.3	18	SN	C 2.3				121	1.8	F	
	LEAR	23	0658	0659	0722	S13	E25	4150	04	25.2	24	SF	C 2.3	3	C		49		F	
	PEKG	23	0700E	0706	0710D	S13	E29	4150	04	25.5	10D	IN			P	0706	218	2.6	F	
	ATHN	23	0702E	0707	0710	S13	E26	4150	04	25.2	8D	SN		3	V	0707	95	1.1		
0214	KANZ	23	0730	0730	0734	S17	E77	4156	04	29.2	4	SF								
0215		23	08023	08091	0819	S10	E67	4154	04	28.4	17	SF					20		F	
	KANZ	23	0802	0810	0819	S10	E67	4154	04	28.4	17	SF		3						
	LEAR	23	0805	0809	0819	S09	E67	4154	04	28.4	14	SF		3	C		20		F	
0216	KHAR	23	0930E		0943D	S10	E53		04	27.4	13D	SF			P				D	
0217		23	0940	0940*	1007D	S30	E76		04	29.4	27D	1F					152		E	
	CATA	23	0940	0940	0955D	S30	E74		04	29.2	15D	2		2	P	0940	253			
	KHAR	23	0953E	0953	1007D	S30	E78		04	29.5	14D	SF			P	0953	50		E	
0218	KANZ	23	1312	1320	1324	S20	E73	4156	04	29.1	12	SF								
0219	KANZ	23	1428E	1428	1435	S20	E75	4156	04	29.3	7D	SN								
0220	RAMY	23	1428	1430	1433	S17	E58	4156	04	28.0	5	SN			3	C		41		
0221	KANZ	23	1506	1506	1514	S11	E17	4150	04	24.9	8	SF								
0222		24	0038*	0044*	0107	S16	E65	4156	04	28.9	29	SF	C 2.1				57		FK	
	HOLL	24	0038	0044	0106	S16	E63	4156	04	28.8	28	SF		3	C		44		K	
	HOLL	24	0038	0057	0106	S16	E63	4156	04	28.8	28	SN	C 2.1	3	C		100		FK	
	LEAR	24	0056	0057	0109	S17	E68	4156	04	29.2	13	SF	C 2.1	3	C		28			
0223		24	01112	01152	0124	N07	W48	4146	04	20.4	13	SF					72	1.4	CEGI	
	VORO	24	0111	0115	0122	N06	W49	4146	04	20.4	11	1F			C	0115	134	2.1	CEI	
	YUNN	24	0112	0115	0121	N07	W49	4146	04	20.4	9	SN			C		47	.8	EG	
	LEAR	24	0113	0117	0128	N08	W47	4146	04	20.5	15	SF		3	C		35			
0224		24	01253	0128*	0248	S15	E69	4156	04	29.3	83	1N	C 4.1				112		EFK	
	MITK	24	0125	0128	0220	S13	E68	4156	04	29.2	55	1F			C	0128	190		E	
	YUNN	24	0125	0131	0146	S16	E67	4156	04	29.1	21	1B			C		126		F	
	LEAR	24	0126	0129	0411	S15	E70	4156	04	29.3	165	SF		3	C		44		K	
	LEAR	24	0126	0323	0411	S15	E70	4156	04	29.3	165	SN	C 4.1	3	C		56		FK	
	PURP	24	0128	0147U	0210	S17	E69	4156	04	29.3	42	1B			C	0147	158			
	PEKG	24	0145E	0156	0210	S15	E68	4156	04	29.2	25D	SN			P	0156	101		F	
0225	LEAR	24	0624	0625	0629	S13	E15	4150	04	25.4	5	SF			3	C		41		
		24	0808		0810	No Flare Patrol														
0226	ABST	24	1204E	1205	1214D	N14	E53	4159	04	28.5	10D	SN			P	1205	87	1.6	D	
0227	ABST	24	1204E	1206	1214D	N18	E36	4155	04	27.2	10D	SN			P	1206	87	1.3	D	
0228	ABST	24	1204E	1206	1214D	S16	E65	4156	04	29.4	10D	SF			P	1206	87		D	
0229	ABST	24	1204E	1206	1214D	S11	E55	4154	04	28.6	10D	SF			P	1206	87	1.5	D	
0230	ABST	24	1204E	1205	1214D	S13	E12	4150	04	25.4	10D	SN			P	1205	174	1.9	E	
0231	RAMY	24	1232	1232	1240	N04	W53	4146	04	20.6	8	SN			3	C		28		
0232	KANZ	24	1307E	1307	1316	S13	E10	4150	04	25.3	9D	SN							L	
0233	HOLL	24	1508	1509	1534	S12	E09	4150	04	25.3	26	SF			3	C		54		F
0234		24	15141	1515	1521	S20	E56	4156	04	28.9	7	SN	C 1.2				33			
	RAMY	24	1514	1515	1521	S21	E58	4156	04	29.1	7	SN	C 1.2	3	C		31			
	HOLL	24	1515	1515	1521	S20	E55	4156	04	28.8	6	SN	C 1.2	3	C		35			
0235		24	1553	1555*	1636	S17	E60	4156	04	29.2	43	SF					46		FK	
	HOLL	24	1553	1555	1636	S17	E60	4156	04	29.2	43	SF		3	C		12		K	
	HOLL	24	1553	1607	1636	S17	E60	4156	04	29.2	43	SF		3	C		79		FK	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks
						Lat	CMD Region								Time (UT)	Apparent (10 ⁻⁶ Disk)	
0236	HOLL	24	1748	1750	1755	S19	E54	4156	04	28.9	7	SF	3	C		27	
0237		24	18091	1810*	1825	S15	E57	4156	04	29.1	16	SF				30	K
	HOLL	24	1809	1810	1818	S16	E57	4156	04	29.1	9	SF	3	C		51	
	RAMY	24	1810	1811	1828	S15	E57	4156	04	29.1	18	SF	3	C		21	K
	RAMY	24	1810	1822	1828	S15	E57	4156	04	29.1	18	SF	3	C		17	K
0238	RAMY	24	1858	1902	1908	S20	E53	4156	04	28.8	10	SF	3	C		27	
0239		24	1912	1912	1934	S08	E46	4154	04	28.2	22	SN C	1.2			91	
	RAMY	24	1912	1912	1932	S10	E47	4154	04	28.3	20	SN C	1.2	3	C	98	
	HOLL	24	1912	1912	1936	S06	E45	4154	04	28.2	24	SN C	1.2	3	C	84	
0240		24	19212	1924	1930	S20	E56	4156	04	29.1	9	SF C	1.2			51	
	RAMY	24	1921	1924	1929	S19	E53	4156	04	28.8	8	SF C	1.2	3	C	57	
	HOLL	24	1923	1924	1931	S21	E59	4156	04	29.3	8	SF C	1.2	3	C	45	
0241		24	20412	20441	2052	S12	E07	4150	04	25.4	11	SF C	1.1			42	F
	HOLL	24	2041	2044	2050	S12	E07	4150	04	25.4	9	SF C	1.1	3	C	35	F
	RAMY	24	2043	2045	2054	S11	E07	4150	04	25.4	11	SF C	1.1	3	C	50	
0242	HOLL	24	2051	2052	2054	S20	E53	4156	04	28.9	3	SN	3	C		40	
0243	HOLL	24	2105	2105	2110	S05	E75	4157	04	30.5	5	SF	3	C		11	
0244		24	2107	21071	2121	S18	E56	4156	04	29.1	14	SN C	1.7			40	F
	RAMY	24	2107	2107	2127	S18	E56	4156	04	29.1	20	SF C	1.7	3	C	27	
	HOLL	24	2107	2108	2115	S17	E56	4156	04	29.1	8	SN C	1.7	3	C	52	F
0245	HOLL	24	2109	2109	2123	S12	E46	4154	04	28.3	14	SF	3	C		19	
0246	HOLL	24	2254	2259	2304	S17	E52	4156	04	28.9	10	SF	3	C		15	
0247	HOLL	25	0028	0032	0036	S17	E54	4156	04	29.1	8	SF	3	C		17	F
0248	LEAR	25	0204	0209	0219	S15	E52	4156	04	29.0	15	SF	3	C		22	F
0249		25	03392	0342	0347	S15	E52	4156	04	29.1	8	SN				32	.4
	CULG	25	0339	0342	0347	S14	E52	4156	04	29.1	8	SN		C	0342	30	.4
	LEAR	25	0341	0342	0347	S16	E52	4156	04	29.1	6	SN	3	C		35	
0250		25	03452	03507	0422	S10	W02	4150	04	25.0	37	SN				94	1.1
	CULG	25	0345	0350	0411	S09	W03	4150	04	24.9	26	SN		P	0350	50	.5
	LEAR	25	0347	0350	0428	S12	E02	4150	04	25.3	41	SN	3	C		59	
	MITK	25	0347	0353	0418	S09	W03	4150	04	24.9	31	SN		C	0353		E
	ABST	25	0357E	0357	0430	S10	W04	4150	04	24.9	33D	SN		P	0357	174	1.7
0251	CULG	25	0410	0412	0416	S12	W03	4150	04	24.9	6	SF		C	0412	40	.4
0252		25	04244	04301	0441	S16	E50	4156	04	29.0	17	SN				60	1.4
	ABST	25	0424	0431	0445	S16	E50	4156	04	29.0	21	SN		C	0431	87	1.4
	LEAR	25	0428	0430	0437	S16	E51	4156	04	29.0	9	SN	3	C		32	
0253		25	04331	04365	0508	S04	E71	4157	04	30.5	35	SN C	6.3			69	EF
	LEAR	25	0433	0441	0518	S04	E68	4157	04	30.3	45	SN C	6.3	3	C	64	F
	ABST	25	0434	0436	0506	S04	E74	4157	04	30.7	32	1N		C	0436	87	E
	PURP	25	0439E	0452U	0459	S04	E71	4157	04	30.5	20D	SB		C	0452	55	E
0254		25	0604*	0606*	0656	S12	E42	4154	04	28.4	52	SN				128	1.7
	ABST	25	0604	0606	0700	S12	E41	4154	04	28.3	56	1N		C	0606	174	2.3
	PURP	25	0614	0638	0654	S11	E41	4154	04	28.3	40	SB		C	0638	83	1.1
	KANZ	25	0638E	0638	0654	S13	E44	4154	04	28.6	16D	SN	3				
0255		25	06425	06462	0657	S15	W04	4150A	04	25.0	15	SN				87	.9
	KANZ	25	0642	0646	0654	S15	W03	4150A	04	25.0	12	SF	3				
	ABST	25	0647	0648	0700	S15	W04	4150A	04	25.0	13	SN		C	0648	87	.9
0256		25	0658*	0708*	0744	S16	E48	4156	04	28.9	46	SN C	2.9			163	2.6
	KANZ	25	0658	0718	0801	S15	E48	4156	04	28.9	63	SB		3			
	ABST	25	0704	0708	0710D	S15	E50	4156	04	29.1	6D	SN		P	0708	131	1.9
	LEAR	25	0713	0722	0757	S15	E49	4156	04	29.0	44	SN C	2.9	3	C	131	F
	WEND	25	0714	0718	0727	S17	E51	4156	04	29.2	13	SN C	2.9			94	1.6
	YUNN	25	0715E	0717	0742	S17	E48	4156	04	28.9	27D	SN		P	0718	94	1.5
	CATA	25	0715	0720	0730D	S17	E47	4156	04	28.9	15D	1		P	0720	169	2.6
	MITK	25	0716	0716	0727	S16	E46	4156	04	28.8	11	1N		C	0719	210	3.2
	PURP	25	0719	0722	0725D	S17	E48	4156	04	28.9	6D	1B		P	0722	158	2.4
	ISTA	25	0720		0736	S16	E40	4156	04	28.3	16	SN					E
	BUCA	25	0720E		0800	S16	E52	4156	04	29.2	40D	1N		C	0725	161	2.6
	ATHN	25	0720E	0722	0725D	S18	E49	4156	04	29.0	5D	1B	1	V	0722	318	4.8
	KHAR	25	0726E		0742D	S15	E47	4156	04	28.9	16D	SF		P	0726		D

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0257	KANZ	25	0801	0805	0809	N14	E40	4159	04	28.3	8	SF		3					
0258	KANZ	25	0828	0832	0848	N14	E40	4159	04	28.4	20	SF		3					
0259	KHAR	25	0935E	0936	0945D	S17	E49	4156	04	29.1	10D	SF		V	0936			D	
0260	KAND	25	1045	1104	1110	S13	E49	4154	04	29.1	25	SN		C		29	.5	D	
0261	KANZ	25	1144	1148	1156	S16	E48	4156	04	29.1	12	SF		2					
0262	25	13113	13128	1322	S16	E44	4156	04	28.9	11	SN	C 1.2				60	.8	DEF	
	KAND	25	1311	1312	1316	S18	E43	4156	04	28.8	5	SF	C 1.2	C		21	.3	D	
	KANZ	25	1313E	1313	1323	S16	E43	4156	04	28.8	10D	SN		2					
	RAMY	25	1314	1314	1320D	S16	E45	4156	04	29.0	6D	SB	C 1.2	3	C		78		FE
	ATHN	25	1314	1320	1327	S16	E44	4156	04	28.9	13	SN		3	V	1320	80	1.2	
0263	25	1533	1533	1537	S16	E42	4156	04	28.8	4	SN					35			
	HOLL	25	1533	1533	1536	S16	E42	4156	04	28.8	3	SF		3	C		35		
	KANZ	25	1533	1533	1538	S15	E42	4156	04	28.8	5	SN		3					
0264	25	1541*	16126	1640	S16	E46	4156	04	29.1	59	SF					62		FH	
	RAMY	25	1541	1618	1639	S16	E46	4156	04	29.1	58	SF		3	C		98		
	HOLL	25	1611	1612	1641	S17	E47	4156	04	29.2	30	SF		3	C		26		FH
0265	25	16151	16162	1623	S12	E39	4154	04	28.6	8	SN	C 1.7				74			
	HOLL	25	1615	1616	1623	S13	E39	4154	04	28.6	8	SF	C 1.7	3	C		86		
	RAMY	25	1616	1618	1623	S12	E39	4154	04	28.6	7	SN	C 1.7	3	C		63		
0266	HOLL	25	1735	1736	1740	S15	E43	4156	04	29.0	5	SF		3	C		21		
0267	HOLL	25	1941	1947	1958	N13	W57	4151	04	21.5	17	SF		3	C		20		
0268	HOLL	25	2100	2101	2117	S12	W04	4150	04	25.6	17	SF		3	C		31		
0269	HOLL	25	2116	2121	2124	S18	E43	4156	04	29.2	8	SF		3	C		23		
0270	25	2140	2142	2210	S17	E44	4156	04	29.2	30	SB	C 2.2				78	1.3	DI	
	HOLL	25	2140	2142	2214	S17	E43	4156	04	29.2	34	SB	C 2.2	3	C		66		
	VORO	25	2142E		2205	S17	E46	4156	04	29.4	23D	SN		C	2142	90	1.3	DI	
	26	0008		0010	No Flare Patrol														
0271	26	0043	0045	0056	S04	E59	4157	04	30.4	13	SF	C 1.2				54	.9		
	MANI	26	0043	0045	0055	S03	E59	4157	04	30.4	12	SF	C 1.2	1	V		50	.9	
	HOLL	26	0047E	0047U	0057	S04	E59	4157	04	30.4	10D	SF		3	C		58		
0272	PURP	26	0118	0135	0145	S16	E39	4156	04	29.0	27	SB		C	0135	48	.6	E	
0273	26	0305*	03126	0326	S16	E39	4156	04	29.1	21	SB					112	1.2	EF	
	LEAR	26	0305	0312	0333D	S15	E38	4156	04	29.0	28D	SB		3	C		147		F
	PURP	26	0312E	0313	0326	S16	E38	4156	04	29.0	14D	SB		C	0313	62	.8	E	
	YUNN	26	0317	0318	0327	S16	E41	4156	04	29.2	10	SN		C		126	1.7		
0274	ABST	26	0508	0509	0523	S14	E33	4154	04	28.7	15	SN		C	0509	87	1.0	D	
0275	ABST	26	0512	0516	0529	S03	E57	4157	04	30.5	17	SF		C	0516	87	1.6	D	
0276	26	05322	05332	0542	S14	W16	4150A	04	25.0	10	SF					47	.8	D	
	LEAR	26	0532	0533	0545	S14	W16	4150A	04	25.0	13	SF		3	C		24		
	ABST	26	0534	0535	0540	S14	W17	4150A	04	24.9	6	SF		C	0535	70	.8	D	
0277	26	07001	07012	0714	N10	W63	4151	04	21.5	14	SF	C 1.4				38			
	LEAR	26	0700	0703	0716	N11	W64	4151	04	21.5	16	SF	C 1.4	3	C		38		
	KANZ	26	0701	0701	0711	N10	W62	4151	04	21.6	10	SF		3					
0278	26	07117	07167	0730	S14	W17	4150A	04	25.0	19	SN					29	.3	D	
	KANZ	26	0711	0716	0716D	S14	W17	4150A	04	25.0	5D	SF		3					
	LEAR	26	0714	0716	0732	S14	W17	4150A	04	25.0	18	SN		3	C		28		
	ATHN	26	0714	0718	0733	S12	W17	4150A	04	25.0	19	SN		4	V	0718	32	.3	
	PURP	26	0718	0723	0726	S14	W17	4150A	04	25.0	8	SN		C	0723	28	.3	D	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	GMD	NOAA/ USAF Region	CMP Mo	Dur Day	(Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0279		26	07533	07571	0806	S17	E38	4156	04	29.2	13	SF						27		
	KANZ	26	0753	0758	0808	S17	E38	4156	04	29.2	15	SF		3						
	LEAR	26	0756	0757	0804	S17	E37	4156	04	29.1	8	SF		3	C				27	
0280		26	0803*	0812*	0848	S10	W18	4150	04	25.0	45	IB	C 3.0					181	1.8	EFH
	KANZ	26	0803	0818	0851	S10	W18	4150	04	25.0	48	IB		3						
	LEAR	26	0808	0814	0856	S09	W18	4150	04	25.0	48	IB	C 3.0	3	C			240		FE
	KHAR	26	0811	0812	0840D	S09	W20	4150	04	24.8	29D	IN			P	0819	350	3.7	EH	
	ATHN	26	0812	0816	0845	S12	W17	4150	04	25.1	33	SB		4	V	0816	80	.9		
	WEND	26	0812	0824	0845	S08	W18	4150	04	25.0	33	SN			C	0824	88	1.0		
	MANI	26	0814E	0815	0854	S08	W17	4150	04	25.1	40D	IB		1	V		220	2.4	F	
	PURP	26	0821	0823U	0837	S12	W18	4150	04	25.0	16	SN			C	0823	124	1.3		
	CATA	26	0830E	0830	0830D	S09	W20	4150	04	24.8	16D	S		2	P	0830	169	1.8		
		26	1030		1104	No Flare Patrol														
		26	1116		1123	No Flare Patrol														
0281	RAMY	26	1142	1142	1202	S17	E33	4156	04	29.0	20	SN		3	C			23		
0282	RAMY	26	1246	1248	1301	S12	W17	4150	04	25.2	15	SF		3	C			77		
0283		26	13132	1315	1330	S16	E32	4156	04	29.0	17	SF						34		F
	RAMY	26	1313	1315	1336	S16	E33	4156	04	29.0	23	SF		3	C			49		
	HOLL	26	1315	1315	1324	S15	E32	4156	04	29.0	9	SF		3	C			18		F
0284		26	1501	1503	1512	S14	W17	4150	04	25.3	11	SN	C 1.2					95		
	HOLL	26	1501	1503	1510	S14	W17	4150	04	25.3	9	SN	C 1.2	3	C			81		
	RAMY	26	1501	1503	1515	S14	W17	4150	04	25.3	14	SN	C 1.2	3	C			109		
0285	HOLL	26	1502	1502	1509	S15	E31	4156	04	29.0	7	SF		3	C			20		
0286	RAMY	26	1607	1610	1631	S15	E32	4156	04	29.1	24	SN		3	C			40		
		26	1642		1711	No Flare Patrol														
0287	HOLL	26	1723	1724	1743	S03	E47	4157	04	30.2	20	SF		3	C			28		
0288	HOLL	26	1745	1745	1807	S15	E30	4156	04	29.0	22	SF		3	C			20		
0289		26	17581	17591	1819	S13	E58	4164B	05	1.1	21	SN						22		F
	RAMY	26	1758	1800	1825	S13	E58	4164B	05	1.1	27	SF		3	C			30		
	HOLL	26	1759	1759	1813	S13	E58	4164B	05	1.1	14	SN		3	C			15		F
0290	HOLL	26	1814	1815	1823	S15	E28	4156	04	28.9	9	SF		3	C			32		
		26	1908		2225	No Flare Patrol														
0291	HOLL	26	1919	1933	1959	S03	E48	4157	04	30.4	40	SN		3	C			62		F
0292		26	2340	2341	2359	S09	W25	4150	04	25.1	19	SN	C 2.5					70	.8	
	CULG	26	2340E	2340U	2352	S09	W25	4150	04	25.1	12D	SN			P	2340	60	.7		
	MANI	26	2340	2341	2406	S09	W25	4150	04	25.1	26	SF	C 2.5	1	V			80	.9	
0293	CULG	27	0006	0012	0017	N01	E46	4157	04	30.4	11	SF			C	0012	30	.4		
0294		27	0253	0255	0314	S17	E23	4156	04	28.9	21	1N	M 1.1					220	2.5	EF1
	MANI	27	0248E	0255	0304	S20	E22	4156	04	28.8	16D	SN	M 1.1	1	V			120	1.4	F
	CULG	27	0253	0254U	0304D	S16	E23	4156	04	28.9	11D	SN			P	0254	180	1.9	FI	
	MITK	27	0253	0255	0319	S15	E23	4156	04	28.9	26	1N			C	0255	220	2.5	E	
	YUNN	27	0256E	0256U	0320	S16	E23	4156	04	28.9	24D	1B			P	0256	362	4.1	F	
0295	ABST	27	0612	0614	0621	S09	W30	4150	04	25.0	9	SF			C	0614	122	1.5	EJ	
0296		27	0646	06499	0715	S09	W30	4150	04	25.0	29	SN						76	1.0	FJ
	ATHN	27	0646	0649	0715	S09	W29	4150	04	25.1	29	SF		4	V	0649	48	.6		
	ABST	27	0657E	0658	0707D	S09	W30	4150	04	25.0	10D	SN			P	0658	105	1.3	FJ	
0297	KHAR	27	0859E	0900	0918D	S04	E40	4157	04	30.4	19D	SF			P	0900				

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement		Remarks	
														Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
			27 0956		1014	No Flare	Patrol										
			27 1131		1143	No Flare	Patrol										
			27 1146		1200	No Flare	Patrol										
			27 1202		1214	No Flare	Patrol										
			27 1223		1227	No Flare	Patrol										
			27 1301		1304	No Flare	Patrol										
0298			27 13503	1350*	1426	S19 E16	4156	04 28.8	36	1N	M 1.3			179	1.5	EFHK	
	HOLL		27 1350	1350	1428	S19 E16	4156	04 28.8	38	SN		2	C	68		K	
	RAMY		27 1350	1356	1426	S19 E17	4156	04 28.9	36	1B	M 1.3	3	C	239		K	
	HOLL		27 1350	1356	1428	S19 E16	4156	04 28.8	38	1B	M 1.3	2	C	241		FHK	
	RAMY		27 1350	1416	1426	S19 E17	4156	04 28.9	36	SN		3	C	123		K	
	ATHN		27 1353	1359	1422	S21 E15	4156	04 28.7	29	1B		4	V	1359	2.4		
	MONT		27 1355E	1400	1400D	S20 E17	4156	04 28.9	5D	1N			C	1400			
	HTPR		27 1413E		1429	S20 E17	4156	04 28.9	16D	SF			C	1418	60	.6	E
0299			27 1409	1412	1428	S15 E26	4162	04 29.5	19	SN				36	.4	E	
	HOLL		27 1409	1412	1430	S15 E26	4162	04 29.5	21	SN		2	C	33			
	HTPR		27 1413E		1425	S15 E27	4162	04 29.6	12D	SF			C	1418	40	.4	E
0300			27 15321	1535	1546	S16 E26	4164	04 29.6	14	1N				220	4.4	EF	
	HOLL		27 1532	1535	1546	S16 E26	4164	04 29.6	14	SN		3	C	39		F	
	HTPR		27 1533		1542D	S16 E27	4164	04 29.7	9D	1F			C	1535	400	4.4	E
0301	HOLL		27 1700	1701	1736	S09 E08	4154	04 28.3	36	SN	C 2.1	3	C	37		FU	
0302	HOLL		27 1701	1705	1714	S16 E28	4164	04 29.8	13	SN	C 1.8	3	C	46		F	
0303			27 1712*	1754*	1831	S15 E24	4162	04 29.5	79	SB	C 3.3			102		FK	
	RAMY		27 1712	1754	1754D	S16 E25	4162	04 29.6	42D	SB	C 3.3	3	C	131			
	HOLL		27 1748	1756	1831	S15 E24	4162	04 29.5	43	SB	C 3.3	3	C	112		FK	
	HOLL		27 1748	1812	1831	S15 E24	4162	04 29.5	43	SN		3	C	63		K	
0304	HOLL		27 1719	1719	1729	S15 E17	4156	04 29.0	10	SF	C 2.0	3	C	23		F	
0305	RAMY		27 1749	1750	1755	S04 E37	4157	04 30.5	6	SF		3	C	74			
0306	HOLL		27 1808	1813	1829	S09 W37	4150	04 25.0	21	SF		3	C	28		F	
0307			27 1916*	1916*	1942	S17 E25	4162	04 29.7	26	SN	C 3.4			169		K	
	HOLL		27 1916	1916	1942	S16 E24	4162	04 29.6	26	SF	C 3.4	3	C	20		K	
	HOLL		27 1916	1931	1942	S16 E24	4162	04 29.6	26	SN		3	C	121		K	
	RAMY		27 1928	1932	1934D	S19 E28	4162	04 29.9	6D	1N		3	C	367			
0308			27 22071	22081	2225	S16 E24	4162	04 29.7	18	SB	C 3.0			113	1.2	F	
	HOLL		27 2207	2208	2225	S16 E24	4162	04 29.7	18	SB	C 3.0	3	C	116		F	
	MANI		27 2208	2209	2213D	S15 E24	4162	04 29.7	5D	SB		1	V	110	1.2	F	
0309	HOLL		27 2234	2234	2246	S17 W39	4150	04 25.0	12	SF		3	C	23		S	
0310	HOLL		27 2238	2239	2246	N19 E04	4160	04 28.2	8	SF		3	C	21			
0311	HOLL		27 2251	2253	2301	S13 E09	4154	04 28.6	10	SF		3	C	33		F	
0312	HOLL		27 2318	2320	2330	S15 E21	4162	04 29.6	12	SN	C 2.3	3	C	90		F	
0313	HOLL		27 2334	2335	2348	S16 E10	4154	04 28.7	14	SN		3	C	42		F	
0314			27 2341*	2342*	2421	S16 E21	4162	04 29.6	40	SN	C 3.2			80		FK	
	HOLL		27 2341	2342	2424	S16 E21	4162	04 29.6	43	SN		3	C	89		K	
	HOLL		27 2341	2409	2424	S16 E21	4162	04 29.6	43	SN		3	C	109		FK	
	LEAR		28 0006	0008	0014	S15 E20	4162	04 29.5	8	SN	C 3.2	3	C	41			
0315	HOLL		27 2353	2354	2434	S03 E34	4157	04 30.5	41	SN		3	C	52		F	
0316			28 00205	00281	0037	N18 E02	4160	04 28.2	17	SN				28			
	HOLL		28 0020	0028	0037	N19 E02	4160	04 28.2	17	SN		3	C	33			
	LEAR		28 0025	0029	0037	N18 E02	4160	04 28.2	12	SN		3	C	23			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0317	LEAR	28	0045	0049	0104	S17	E10	4156	04	28.8	19	SN		3	C		74		F	
0318	ABST	28	0414	0415	0418	S16	W21		04	26.6	4	SF			C	0414	60	.7	DV	
0319	ABST	28	0508	0510	0510D	S18	E18	4162A	04	29.6	2D	SF			P	0510	87	1.0	D	
0320	ABST	28	0627	0634	0645D	N21	E02	4160	04	28.4	18D	SF			P	0634	87	1.0	D	
0321	ABST	28	0658	0658	0703	S03	E29	4157	04	30.4	5	SF			C	0658	87	1.2	DV	
0322		28	07097	07182	0742	S15	E18	4162	04	29.7	33	SN	C 2.0				80	1.2	E	
	KAND	28	0709	0718	0732	S16	E18	4162	04	29.7	23	SN	C 2.0		C		71	.8	E	
	CATA	28	0715	0720	0800D	S15	E17	4162	04	29.6	45D	S		2	P	0720	140	1.5		
	LEAR	28	0716	0718	0753	S15	E17	4162	04	29.6	37	SF	C 2.0	3	C		28			
	KANZ	28	0721E		0725D	S15	E19	4162	04	29.7	4D	SN		2						
0323	LEAR	28	0737	0738	0801	S10	E00	4154	04	28.3	24	SF		3	C		40			
0324		28	0929*	0932*	0958	S06	E24	4157	04	30.2	29	SN					107	.9	DE	
	KANZ	28	0929	0949	0957D	S08	E23	4157	04	30.1	28D	1N		3						
	KAND	28	0930	0932	0935	S06	E22	4157	04	30.0	5	SF			C		21	.2	D	
	CATA	28	0940	1005	1030D	S05	E21	4157	04	30.0	50D	S		2	P	1005	169	1.9		
	CATA	28	0940	1005	1030D	S05	E27	4157	04	30.4	50D	S		2	P	1005	140	1.6		
	MONT	28	0944	0955	1005D	S08	E24	4157	04	30.2	21D	SN			C	0955	220			
	KAND	28	0948	0958	1010	S06	E22	4157	04	30.0	22	SN			C		46	.5	E	
	KAND	28	0948	0958	1010	S07	E27	4157	04	30.4	22	SN			C		46	.5	E	
0325		28	09408	0958*	1024	S11	E22	4162	04	30.0	44	SB					116	1.3	EL	
	CATA	28	0940	1005	1030D	S12	E21	4162	04	30.0	50D	S		2	P	1005	169	1.9		
	KAND	28	0948	0958	1010	S12	E21	4162	04	30.0	22	SB			C		62	.7	E	
	KANZ	28	1022E	1022	1039	S10	E24	4162	04	30.2	17D	SN		3					L	
0326		28	10482	10502	1116	S03	E24	4157	04	30.2	28	1B	M 1.2				346	3.8	E	
	ATHN	28	1048	1052	1118	S05	E26	4157	04	30.4	30	1B		3	V	1052	255	2.9		
	CATA	28	1050E	1050	1120	S02	E23	4157	04	30.2	30D	2		2	P	1050	618	6.9		
	KAND	28	1050	1052	1109	S03	E24	4157	04	30.2	19	SB	M 1.2		C		166	1.6	E	
	KANZ	28	1056E		1056D	S03	E25	4157	04	30.3	19D	SB		3						
0327		28	11394	11418	1208	S11	W01	4154	04	28.4	29	SN					78	.8	E	
	KAND	28	1139	1141	1154	S10	W03	4154	04	28.2	15	SF			C		62	.6	E	
	KANZ	28	1141		1141D	S12	W03	4154	04	28.3	15D	SN		2						
	ATHN	28	1143	1149	1223	S11	E02	4154	04	28.6	40	SB		3	V	1149	95	1.0		
0328	RAMY	28	1638	1639	1700	N14	W07	4159	04	28.2	22	SN		3	C		127			
0329	RAMY	28	1727	1744	1758	S16	E14	4162	04	29.8	31	SF	C 2.2	3	C		35			
0330	RAMY	28	1831	1841	1845D	S18	E04	4156	04	29.1	14D	1N	C 3.4	3	C		275		F	
0331	RAMY	28	1908	1908	1913	S06	E16	4157	04	30.0	5	SN		3	C		57			
		28	1938		1950	No Flare Patrol														
		28	2141		2201	No Flare Patrol														
0332	PALE	28	2209	2211	2216	N12	W13	4159	04	27.9	7	SN	C 2.4	3	C		52		F	
0333		29	0615*	0620*	0658	S11	E79	4165	05	5.2	43	2N	C 3.5				116		DGK	
	LEAR	29	0615	0620	0711	S12	E81	4165	05	5.4	56	3N	C 3.5	3	C				K	
	ABST	29	0615	0622	0652	S11	E80	4165	05	5.3	37	2N			C	0622	175		DK	
	LEAR	29	0615	0630	0711	S12	E81	4165	05	5.4	56	2N		3	C				K	
	ISTA	29	0625		0640	S10	E77	4165	05	5.0	15	SN							G	
	CATA	29	0630E	0630	0640D	S12	E78	4165	05	5.1	10D	1		1	P	0630	56			
0334		29	06305	0635*	0656	S16	W06	4156	04	28.8	26	SN					88	.9	DEJU	
	ISTA	29	0630		0640	S14	W07	4156	04	28.7	10	1N							U	
	ABST	29	0635	0635	0641	S16	W06	4156	04	28.8	6	SN			C	0635	114	1.2	EJ	
	LEAR	29	0635	0636	0713	S17	W06	4156	04	28.8	38	SF		3	C		91			
	ABST	29	0652E	0657	0710	S16	W06	4156	04	28.8	18D	SF			P	0657	60	.6	D	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0335		29	10164	10196	1039	S14	W08	4154	04	28.8	23	SB					166	1.7	EH
	KHAR	29	1015E	1022	1040D	S14	W08	4154	04	28.8	25D	SN			P	1020	150	1.5	EH
	ATHN	29	1016	1019	1039	S13	W07	4154	04	28.9	23	SB	3		V	1019	159	1.7	
	HTPR	29	1018E		1031D	S15	W10	4154	04	28.7	13D	SB			C	1022	160	1.6	E
	CATA	29	1020	1020	1045	S15	W09	4154	04	28.7	25	1			C	1020	197	2.1	
	KANZ	29	1020E	1025	1034	S16	W09	4154	04	28.7	14D	1N	2						
		29	1454		1501			No Flare Patrol											
		29	1505		1508			No Flare Patrol											
		29	1554		1604			No Flare Patrol											
		29	1910		2159			No Flare Patrol											
0336	VORO	29	2218	2222	2234	S12	W60	4150	04	25.4	16	SN			C	2222	72	1.3	CE
0337		29	2350	2357	2410	S04	W02	4157	04	29.8	20	SF	C 1.3				38	.4	F
	PALE	29	2350	2356U	2406D	S05	W02	4157	04	29.8	16D	SF	C 1.3	3	C		41		F
	MANI	29	2352E	2357	2410	S04	W02	4157	04	29.8	18D	SF	C 1.3	1	V		35	.4	F
0338		30	0047	0049	0116	S09	E70	4165	05	5.3	29	SN	C 3.0				82		F
	LEAR	30	0047	0049	0116	S09	E72	4165	05	5.4	29	SN	C 3.0	3	C		45		F
	PALE	30	0058E	0108U	0113D	S09	E68	4165	05	5.1	15D	SF		3	C		119		F
0339	LEAR	30	0253	0253	0258	S15	W20	4154	04	28.6	5	SF		3	C		27		
0340	PALE	30	0255E	0316U	0336	S21	W13	4156	04	29.1	41D	SF	C 2.2	3	C		73		
0341	LEAR	30	0306	0311	0328	S15	W20	4154	04	28.6	22	SF		3	C		55		
0342		30	03361	03398	0359	S10	E72	4165	05	5.5	23	SN	C 4.2				55		EF
	LEAR	30	0336	0339	0406	S09	E72	4165	05	5.5	30	SN	C 4.2	3	C		60		F
	PEKG	30	0337	0347	0352	S10	E72	4165	05	5.6	15	SF			C	0347	50		E
0343	LEAR	30	0721	0722	0738	S09	E70	4165	05	5.5	17	SF	C 2.0	3	C		19		F
0344		30	0755*	0805*	0845	S10	E67	4165	05	5.4	50	SN					93	1.6	F
	KANZ	30	0755	0810	0839	S09	E69	4165	05	5.5	44	SN		3					
	LEAR	30	0803	0806	0900	S09	E68	4165	05	5.4	57	SN		3	C		119		F
	MANI	30	0804	0805	0856	S10	E66	4165	05	5.3	52	SN		1	V		95	2.0	F
	ATHN	30	0811	0820	0825	S10	E64	4165	05	5.1	14	SN		2	V	0820	64	1.3	
0345		30	08053	0815*	1000	S17	W17	4156	04	29.0	115	2B	M 2.9				844	9.0	BEF I UZ
	MANI	30	0805	0815	0938D	S16	W18	4156	04	29.0	93D	2B	M 2.9	1	V		850	9.4	ZU
	LEAR	30	0805	0818	0915D	S17	W17	4156	04	29.0	70D	2B	M 2.9	3	C		917		ZU
	KANZ	30	0805	0829	1035D	S16	W16	4156	04	29.1	150D	2B		3					
	ISTA	30	0808		0855	S17	W17	4156	04	29.0	47	2N							FI
	ATHN	30	0808	0820	1106	S18	W17	4156	04	29.0	178	2B		2	V	0822	716	8.0	
	HTPR	30	0826E		0826D	S18	W18	4156	04	29.0	178D	2B			C	0826	1000	10.0	BE I U
	CATA	30	0840E	0845	0846D	S17	W18	4156	04	29.0	6D	2		2	P	0845	956	10.6	
	CATA	30	0905E	0915	0935D	S17	W18	4156	04	29.0	30D	2		2	P	0915	731	8.1	
	MONT	30	0932E	0932	1030D	S19	W15	4156	04	29.2	58D	2B			C	0932	850		
	CATA	30	0946E	0947	1000D	S17	W17	4156	04	29.1	14D	2		2	P	0947	731	8.1	
		30	1036		1054			No Flare Patrol											
		30	1106		1502			No Flare Patrol											
		30	1749		1758			No Flare Patrol											
		30	2124		2149			No Flare Patrol											
		30	2305		2314			No Flare Patrol											
		30	2327		2332			No Flare Patrol											
0346	LEAR	30	2344	2344	2356	S16	W18	4162	04	29.6	12	SN		3	C		50		