

H - ALPHA SOLAR FLARES

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Mar 84

MARCH 1984

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 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0001	PALE	01	0100	0102	0109	N13	W81	4421	02	24.0	9	SF		3	C				
0002	PEKG	01	0149E	0149	0151	N10	W62	4422	02	25.5	2D	1N			C	0149	88	2.1	E
0003		01	02311	02342	0253	N10	W62	4422	02	25.5	22	1B M	1.0				190	5.2	DIT
	PEKG	01	0230E	0236	0245	N10	W63	4422	02	25.5	15D	2N M	1.0		P	0236	336	7.8	D
	URUM	01	0231	0234	0250	N13	W64	4422	02	25.4	19	1B			C		173		
	VORO	01	0232	0234	0253	N11	W61	4422	02	25.6	21	1N			C	0234	179		DIT
	PALE	01	0232	0234	0258	N10	W58	4422	02	25.8	26	1B M	1.0	3	C		205		
	CULG	01	0232	0235	0253	N08	W63	4422	02	25.5	21	1B			P	0235	120	2.5	
	MITK	01	0232	0235	0300	N11	W66	4422	02	25.2	28	1B			C	0235	130		
0004	URUM	01	0442	0445	0452	N15	W71	4422	02	24.9	10	SN			C		31		
0005	PEKG	01	0725E	0727	0738	N11	W66	4422	02	25.4	13D	SN			C	0727	84		E
		01	0753		0822	No Flare Patrol													
0006		01	0949	09553	1027	S16	W18	4423	02	29.0	38	SN					80	.8	
	WEND	01	0949	0958	1027	S15	W17	4423	02	29.1	38	SN			C	0958	47	.5	
	CATA	01	0955E	0955	1010D	S16	W19	4423	02	29.0	15D	S		2	P	0955	112	1.2	
0007	WEND	01	1010	1019	1027	N08	W62	4422	02	25.9	17	SN			C	1019	41	.9	
0008		01	1434	1443	1450	N10	W66	4422	02	25.7	16	SN					43	.7	F
	HOLL	01	1430E	1430U	1443D	N11	W67	4422	02	25.7	13D	SF		3	C		55		F
	WEND	01	1434	1443	1450	N08	W64	4422	02	25.9	16	SN			C	1443	31	.7	
0009	PALE	01	1903	1903	1911	S13	W29	4423	02	28.7	8	SF		3	C		18		
		01	2043		2047	No Flare Patrol													
0010	HOLL	01	2154E	2201U	2216	N11	W70	4422	02	25.7	22D	SF		3	C		11		
0011	CULG	01	2157	2159	2201	S14	E43	4427	03	5.2	4	SF			C	2159	49	.5	
0012	HOLL	01	2224	2231	2254	N11	W71	4422	02	25.7	30	SN C	1.9	3	C		70		
0013		01	2324*	2326*	2340	N12	W71	4422	02	25.7	16	SN C	1.7				22		
	HOLL	01	2324	2326	2335	N12	W72	4422	02	25.6	11	SF		3	C		17		
	HOLL	01	2335	2342	2346	N12	W70	4422	02	25.8	11	SN C	1.7	3	C		26		
0014	YUNN	02	0700	0703	0713	S09	W40	4423	02	28.4	13	SN			C		48	.6	
0015		02	08036	0809*	0831	N11	W83	4422	02	25.2	28	SN					36		DL
	HTPR	02	0802E		0812D	N09	W80	4422	02	25.4	10D	SN			C	0806	30		
	URUM	02	0803	0813	0821	N11	W82	4422	02	25.3	18	SN			C		16		
	ABST	02	0805	0809	0821	N12	W80	4422	02	25.4	16	1N			P	0810	87		D
	YUNN	02	0809	0815	0821	N11	W81	4422	02	25.3	12	SN			C		32		
	KHAR	02	0812E		0822D	N12	W86	4422	02	25.0	10D	SF			P	0812			DL
	KHAR	02	0812E		0822D	N12	W86	4422	02	25.0	10D	SF			P	0821			DL
	YUNN	02	0858E	0858	0901	N11	W89	4422	02	24.8	3D	SN			P		16		D
0016		02	08142	08161	0834	S11	W36	4423	02	28.7	20	1N					120	1.5	E
	ABST	02	0814	0816	0844	S11	W35	4423	02	28.8	30	1F			C	0816	175	2.2	E
	YUNN	02	0816	0817	0825	S11	W36	4423	02	28.7	9	SN			C		64	.8	E
0017		02	09246	09296	0949	N12	W84	4422	02	25.2	25	SN					37		
	URUM	02	0924	0929	0949	N14	W88	4422	02	24.8	25	SB					31		
	HTPR	02	0929E		0929D	N09	W81	4422	02	25.4	25D	SN			C	0929	30		
	YUNN	02	0929E	0933	0940D	N10	W83	4422	02	25.2	11D	SN			P		32		
	CATA	02	0930	0935	0940D	N13	W85	4422	02	25.1	10D	1		2	P	0935	56		
0018	URUM	02	1019	1024	1034	N12	W79	4422	02	25.6	15	SN			C		31		
0019	HTPR	02	1131	1134	1141	N09	W82	4422	02	25.4	10	SB			C	1134	20		
0020	HTPR	02	1148	1158	1209	N04	W81	4422	02	25.5	21	SF			C	1158	20		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Lat	CMD Region									Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
	02	1222			1227	No Flare Patrol												
0021	RAMY	02	1343	1346	1403	S13	W38 4423	02	28.8	20	SN		3	C		74		F
0022	02	1444	1444	1458	1458	S14	W38 4423	02	28.8	14	SN					31	.4	EF
	RAMY	02	1444	1446	1458	S14	W37 4423	02	28.9	14	SN		3	C		32		F
	HTPR	02	1445	1448	1457	S13	W39 4423	02	28.8	12	SF			C	1448	30	.4	E
0023	02	1456	1456	1506	1506	N10	W83 4422	02	25.5	10	SN	C 2.1				40		
	RAMY	02	1456	1458	1504	N10	W81 4422	02	25.6	8	SN	C 2.1	3	C		29		
	HTPR	02	1456	1459	1509	N09	W85 4422	02	25.3	13	SN			C	1459	50		
	02	1714			1745	No Flare Patrol												
	02	1757			1803	No Flare Patrol												
	02	1919			1927	No Flare Patrol												
0024	RAMY	02	1931E	1944U	1946D	S13	E26 4427	03	4.8	15D	1N		3	C		277		
	02	1932			1941	No Flare Patrol												
	02	1947			2024	No Flare Patrol												
0025	CULG	02	2109	2217	2240	S13	W36 4423	02	29.2	91	1N			C	2217	220	2.6	FIS
	03	0815			0825	No Flare Patrol												
	03	1028			1034	No Flare Patrol												
	03	1036			1044	No Flare Patrol												
	03	1102			1108	No Flare Patrol												
	03	1110			1116	No Flare Patrol												
	03	1134			1137	No Flare Patrol												
0026	RAMY	03	1147	1158	1207	S12	W52 4423	02	28.7	20	SF		3	C		27		
0027	HTPR	03	1317	1324	1335	S12	W51 4423	02	28.8	18	SF			C	1322	30	.5	
0028	03	1355*	1358*	1455	1455	S15	E15 4427	03	4.7	60	1N					255	3.2	EF
	HTPR	03	1355	1358	1415	S16	E17 4427	03	4.9	20	SF			C	1358	100	1.0	E
	HTPR	03	1412	1416	1440	S15	E13 4427	03	4.6	28	2N			C	1416	550	5.5	E
	HOLL	03	1416E	1418	1550	S14	E14 4427	03	4.6	94D	SB		2	C		114		FE
0029	RAMY	03	1640	1710	1720	S12	W52 4423	02	28.9	40	SF		3	C		59		
0030	HOLL	03	2256	2257	2301	S08	W58 4423	02	28.7	5	SF		3	C		21		
	04	0156			0159	No Flare Patrol												
0031	CULG	04	0721	0721	0726	S08	E57 4430	03	8.6	5	SF			C	0721	20	.3	
	04	1039			1119	No Flare Patrol												
0032	04	16303	16359	1656	1656	S11	E50 4430	03	8.4	26	SN	C 1.0				42		K
	HOLL	04	1630	1642	1659	S12	E51 4430	03	8.5	29	SF	C 1.0	3	C		62		
	RAMY	04	1633	1635	1654	S10	E50 4430	03	8.4	21	SN		3	C		30		K
	RAMY	04	1633	1644	1654	S10	E50 4430	03	8.4	21	SN	C 1.0	3	C		35		K
0033	RAMY	04	1644	1648	1719	S15	E03 4427	03	4.9	35	SF		3	C		51		F
0034	04	2056	20591	2121	2121	S14	W06 4427	03	4.4	25	SB					150	1.3	EF
	CULG	04	2056	2059	2121	S13	W06 4427	03	4.4	25	SB			C	2059	130	1.3	E
	HOLL	04	2056	2100	2134D	S14	W05 4427	03	4.5	38D	SN		3	C		170		F
	04	2235			2252	No Flare Patrol												
	04	2259			2302	No Flare Patrol												
	05	0512			0519	No Flare Patrol												
0035	05	12153	1231	1250	1250	S16	W08 4427	03	4.9	35	SF					47		F
	RAMY	05	1215	1231	1249	S17	W08 4427	03	4.9	34	SF		3	C		47		F
	KANZ	05	1218	1231	1251	S16	W07 4427	03	5.0	33	SF		2					

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														Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
		05 1632		1653		No Flare Patrol											
		05 1926		1947		No Flare Patrol											
0036	LEAR	05 2345	2346	2353	S16 E57	4429	03	10.3	8	SF		3	C		26		F
0037	LEAR	06 0107	0107	0113	S14 W21	4427	03	4.4	6	SF		3	C		24		
0038	LEAR	06 0757	0759	0803	S12 E29	4430	03	8.5	6	SF		3	C		28		
0039		06 08044	08062	0814	S08 E26	4432B	03	8.3	10	SN					82	.8	EF
	LEAR	06 0804	0807	0815	S09 E25	4432B	03	8.2	11	SN		3	C		92		F
	ABST	06 0805	0806	0811	S07 E27	4432B	03	8.3	6	SF			C	0806	114	1.3	E
	HTPR	06 0805	0806	0816	S08 E25	4432B	03	8.2	11	SN			C	0806	40	.4	E
	KANZ	06 0808	0808	0811D	S09 E26	4432B	03	8.3	3D	SF		1					
0040	HTPR	06 0847	0854	0900	S12 E26	4430	03	8.3	13	SF			C	0854	20	.2	E
0041		06 0915	0917*	0939	S16 E52	4429	03	10.3	24	SN	C 1.3				43	.8	EFKU
	HTPR	06 0915	0917	0938	S17 E52	4429	03	10.3	23	SN			C	0917	50	.8	E
	LEAR	06 0915	0917	0940	S16 E53	4429	03	10.4	25	SN	C 1.3	3	C		44		UFK
	KANZ	06 0915	0919	0938	S16 E52	4429	03	10.3	23	SN		2					
	LEAR	06 0915	0935	0940	S16 E53	4429	03	10.4	25	SN		3	C		34		K
0042		06 1145*	12111	1226	S17 E56	4429B	03	10.7	41	SN					35	.5	E
	RAMY	06 1145	1211	1230	S17 E55	4429B	03	10.7	45	SN		3	C		51		
	WEND	06 1155	1212	1225	S17 E56	4429B	03	10.7	30	SF			C	1212	34	.7	
	KANZ	06 1200	1212	1228	S17 E55	4429B	03	10.7	28	SN		2					
	HTPR	06 1208	1211	1219	S16 E56	4429B	03	10.7	11	SF			C	1211	20	.3	E
0043		06 16081	16091	1643	S16 E52	4429B	03	10.6	35	SF					29		F
	RAMY	06 1608	1609	1647	S16 E52	4429B	03	10.6	39	SF		3	C		39		
	HOLL	06 1609	1610	1639	S17 E53	4429B	03	10.7	30	SF		3	C		19		F
0044		06 1810	1814	1838	S16 E46	4429	03	10.2	28	SN					34		
	RAMY	06 1810	1814	1839	S16 E46	4429	03	10.2	29	SN		3	C		52		
	HOLL	06 1821E	1832U	1838	S17 E47	4429	03	10.3	17D	SF		3	C		17		
0045		06 21354	2144	2158	S16 E48	4429B	03	10.5	23	SF					71	1.6	F
	RAMY	06 2135	2144	2151D	S16 E46	4429B	03	10.4	16D	SF		3	C		53		F
	CULG	06 2136	2144	2158	S14 E48	4429B	03	10.5	22	SF			C	2144	110	1.6	F
	HOLL	06 2139	2144	2158	S17 E50	4429B	03	10.7	19	SF		3	C		50		F
0046	HOLL	06 2152	2153	2200	S12 W31	4427	03	4.6	8	SF		3	C		29		F
0047		07 0147	01531	0206	S06 E17	4432B	03	8.3	19	SN					36	.4	D
	CULG	07 0147	0153	0206	S05 E18	4432B	03	8.4	19	SF			P	0153	40	.4	
	YUNN	07 0147	0154	0205	S08 E16	4432B	03	8.3	18	SN			C		32	.3	D
0048		07 01562	0201	0225	S16 E59	4429B	03	11.5	29	1N					100	2.0	G
	CULG	07 0156	0201	0208U	S16 E60	4429B	03	11.6	12U	1N			P	0201	120	2.4	
	YUNN	07 0158	0201	0225	S17 E58	4429B	03	11.5	27	SN			P		80	1.5	G
		07 0544		0550		No Flare Patrol											
0049	HTPR	07 0954	0958	1002	S10 E10	4430	03	8.2	8	SN			C	0958	60	.6	E
0050	HTPR	07 0956	0959	1004	S17 E38	4429	03	10.3	8	SB			C	0959	20	.3	E
0051	RAMY	07 1800	1804	1824	S15 E37	4429	03	10.5	24	SF		3	C		31		
0052	RAMY	07 2031	2032	2032D	S10 E25	4431	03	9.7	1D	SF		3	C		37		F
0053	CULG	08 0003	0007	0014	S14 E29	4429	03	10.2	11	SN			C	0007	40	.4	F
0054		08 01554	01586	0218	S10 E44	4433	03	11.4	23	SN					28	.4	DGH
	YUNN	08 0155	0158	0214	S11 E45	4433	03	11.5	19	SN			C		16	.2	DG
	CULG	08 0159	0204	0221	S08 E44	4433	03	11.4	22	SF			C	0204	40	.5	H

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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	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0055	YUNN	08	0250	0254	0306	S16	E28	4429	03	10.2	16	SN			C		31	.4	D	
0056		08	06586	0707	0731	S10	E41	4433	03	11.4	33	SN	C 1.0				105	1.4	DG	
	ABST	08	0658	0707	0735	S10	E40	4433	03	11.3	37	SB			C	0707	131	1.7	D	
	ABST	08	0658	0707	0735	S10	E40	4433	03	11.3	37	SB			C	0707	131	1.7	D	
	YUNN	08	0702	0706U	0722	S12	E41	4433	03	11.4	20	SN	C 1.0		P	0706	126	1.7	G	
	CULG	08	0704	0711U	0718	S07	E40	4433	03	11.3	14	SN			P	0711	40	.5		
	LEAR	08	0717E	0717U	0747	S10	E45	4433	03	11.7	30D	SF		3	C		99			
0057		08	0922	0926	0952	S10	E40	4433	03	11.4	30	1B	C 6.0				172	2.1	E	
	LEAR	08	0922	0926	0945D	S10	E42	4433	03	11.5	23D	1B	C 6.0	3	C		184			
	HTPR	08	0929E		0952	S10	E38	4433	03	11.2	23D	1N			C	0929	160	2.1	E	
0058		08	1134	1137	1203	S14	E24	4429	03	10.3	29	1N	C 3.9				274	3.8	EF	
	HTPR	08	1134		1143D	S14	E24	4429	03	10.3	9D	1F			C	1137	350	3.8	E	
	RAMY	08	1134	1137	1203	S15	E25	4429	03	10.4	29	1B	C 3.9	3	C		198		FE	
0059	RAMY	08	1214	1215	1223	S11	E37	4433	03	11.3	9	SF			C		23			
0060	RAMY	08	1224	1225	1234	S10	E14	4431	03	9.6	10	SF			C		36		F	
		08	1504		1522	No Flare Patrol														
		08	2004		2006	No Flare Patrol														
0061	HOLL	08	2009	2012	2024	S12	E34	4433	03	11.4	15	SN		3	C		33			
0062		08	22401	22411	2246	S12	W59		03	4.5	6	SF					38	.8	D	
	YORO	08	2240	2241	2248	S13	W60		03	4.4	8	SF			C	2241	45	.9	D	
	HOLL	08	2241	2241	2246	S11	W58		03	4.6	5	SN		3	C		29			
	CULG	08	2241	2242	2243	S13	W58		03	4.6	2	SF			C	2242	40	.7		
0063		08	2342	2342I	2401	S16	E19	4429	03	10.4	19	SF					29		F	
	HOLL	08	2342	2342	2407	S16	E18	4429	03	10.3	25	SF		3	C		27		F	
	PALE	08	2342	2343	2355	S15	E20	4429	03	10.5	13	SF		3	C		31			
0064	LEAR	09	0020	0020	0031	S09	E31	4433	03	11.3	11	SF			C		22			
0065	LEAR	09	0559	0607	0611	S11	W11	4430	03	8.4	12	SF			C		30			
0066		09	0741	07404	0748	S16	E11	4429	03	10.1	7	SF					44	.5		
	CATA	09	0735E	0740	0745	S16	E11	4429	03	10.1	10D	S		2	P	0740	45	.5		
	LEAR	09	0741	0744	0752	S16	E11	4429	03	10.1	11	SF		3	C		44			
		09	1037		1043	No Flare Patrol														
		09	1057		1103	No Flare Patrol														
		09	1117		1123	No Flare Patrol														
		09	1129		1135	No Flare Patrol														
		09	1157		1200	No Flare Patrol														
0067	RAMY	09	1201E	1205	1211	S11	W13	4430	03	8.5	10D	SF		3	C		21		F	
0068		09	12271	1228	1239	S12	E00	4431	03	9.5	12	SF					26			
	RAMY	09	1227	1228	1239	S12	E00	4431	03	9.5	12	SF		3	C		26			
	KANZ	09	1228	1228	1240D	S13	W00	4431	03	9.5	12D	SF		1						
0069		09	12361	12382	1245	S12	W14	4430	03	8.5	9	SN					21			
	KANZ	09	1236	1240	1240D	S12	W14	4430	03	8.5	4D	SF		1						
	RAMY	09	1237	1238	1245	S12	W13	4430	03	8.5	8	SN		3	C		21			
0070	RAMY	09	1304	1309	1319	S13	W01	4431	03	9.5	15	SF			C		30			
0071		09	1346*	1348*	1503	S12	W02	4431	03	9.4	77	SF					45		FK	
	RAMY	09	1346	1348	1512	S12	W02	4431	03	9.4	86	SF		3	C		31		K	
	RAMY	09	1346	1441	1512	S12	W02	4431	03	9.4	86	SN		3	C		74		K	
	HOLL	09	1439	1440	1446	S12	W01	4431	03	9.5	7	SF		3	C		29		F	
0072	RAMY	09	1618	1619	1625	S13	W02	4431	03	9.5	7	SF			C		41			

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
			09 1752		1756			No Flare Patrol											
0073		09	23552	23572	2408	S10	E17	4433	03	11.3	13	SF					54	.7	F
	CULG	09	2355	2357	2400D	S08	E17	4433	03	11.3	5D	SF			P	2357	70	.7	F
	LEAR	09	2356	2359	2409	S11	E17	4433	03	11.3	13	SF	3		C		50		F
	PALE	09	2357		2406	S10	E17	4433	03	11.3	9	SF	3		C		41		
0074		10	0149	01543	0205	S11	W07	4431	03	9.5	16	SB					62	.6	F
	CULG	10	0149	0152U	0202	S11	W07	4431	03	9.5	13	SB			P	0152	60	.6	
	PALE	10	0149	0156	0210	S11	W07	4431	03	9.5	21	SN	3		C		65		F
	LEAR	10	0149	0157	0208	S12	W07	4431	03	9.5	19	SB	3		C		59		
	YUNN	10	0150E	0154	0201	S11	W07	4431	03	9.5	11D	SN			P		63	.7	
0075	LEAR	10	0537	0539	0547	S09	W09	4431	03	9.5	10	SF	3		C		37		
0076		10	1344	13445	1354	S10	E10	4433	03	11.3	10	SF					35		F
	KANZ	10	1344	1344	1352	S11	E10	4433	03	11.3	8	SF	1						
	RAMY	10	1344	1349	1355	S10	E11	4433	03	11.4	11	SF	3		C		35		F
0077	HOLL	10	1400E	1400U	1406	S11	W42	4432	03	7.4	6D	SN	2		C		64		F
0078	KANZ	10	1435	1435	1446	S12	W17	4431	03	9.3	11	SF	1						
0079	RAMY	10	1957	1959	2009	S11	W19	4431	03	9.4	12	SF	3		C		40		
		10	2149		2205	No Flare Patrol													
0080		11	0133	0134	0147	S17	W15	4429	03	9.9	14	SN					65	.7	DEI
	LEAR	11	0133	0134	0145	S18	W14	4429	03	10.0	12	SN	3		C		67		
	YORO	11	0133	0134	0145	S17	W15	4429	03	9.9	12	SF			C	0134	81	.9	EI
	YUNN	11	0135E	0135U	0151	S17	W15	4429	03	9.9	16D	SN			P	0135	47	.5	D
0081	LEAR	11	0928	0928	0937	S09	W01	4433	03	11.3	9	SN	3		C		45		
0082		11	1015	10164	1048	S10	W22	4431	03	9.8	33	SN					197	2.3	D
	KHAR	11	1013E	1016	1048D	S10	W20	4431	03	9.9	35D	SN			V	1016			D
	KHAR	11	1013E	1016	1048	S10	W20	4431	03	9.9	35D	SN			V	1016			D
	CATA	11	1015	1020	1035D	S11	W27	4431	03	9.4	20D	1	2		C	1020	197	2.3	
		11	1101		1212	No Flare Patrol													
		11	1247		1337	No Flare Patrol													
0083	RAMY	11	1304	1304	1313	S11	W01	4433	03	11.5	9	SF	3		C		24		
		11	1351		1423	No Flare Patrol													
0084	RAMY	11	1525	1525	1538	S11	W02	4433	03	11.5	13	SF	3		C		38		
		11	1536		1538	No Flare Patrol													
		11	1546		1552	No Flare Patrol													
		11	1626		1631	No Flare Patrol													
0085	HOLL	11	2102	2104	2107	S19	E20	4436	03	13.4	5	SF	3		C		29		
0086	HOLL	11	2234	2241	2245	S10	W05	4433	03	11.6	11	SF	3		C		21		F
0087		12	0201	0202	0214	S10	W08	4433	03	11.5	13	SN					110	1.5	F
	URUM	12	0157E	0157U	0216	S10	W09	4433	03	11.4	19D	SN			P	0157	141	1.5	
	LEAR	12	0201	0202	0213	S11	W06	4433	03	11.6	12	SN	3		C		78		F
0088		12	05293	05348	0557	S12	W37	4431	03	9.4	28	SF					60	.7	F
	LEAR	12	0529	0534	0602	S11	W37	4431	03	9.4	33	SF	3		C		59		F
	CULG	12	0532	0542	0552	S13	W37	4431	03	9.4	20	SF			C	0542	60	.7	
0089	URUM	12	0600	0615	0615	S08	W12	4433	03	11.3	15	SN			C		79	.8	
0090	LEAR	12	0838	0838	0841	S05	W79		03	6.4	3	SF	3		C		25		

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0091	LEAR	12	0916	0916	0921	S18	E13	4436	03	13.4	5	SN		3	C		22		F
0092	KHAR	12	1100E	1102	1105D	S06	W17	4433	03	11.2	5D	SF			V	1102			D
0093	RAMY	12	1148E	1213	1243	S09	W16	4433	03	11.3	55D	SF		3	C		113		
0094	RAMY	12	1223	1224	1235	S18	E11	4436	03	13.3	12	SN		3	C		40		
0095	RAMY	12	1355	1358	1406	S13	W43	4431	03	9.3	11	SB		3	C		47		
0096	RAMY	12	1636	1647	1728	S12	W42	4431	03	9.5	52	1B C	1.4	3	C		225		F
0097		12	1752*	1800*	1913	S10	W18	4433	03	11.4	81	1B C	7.0				238		EFK
	PALE	12	1752	1800	1800D	S10	W19	4433	03	11.3	8D	1B C	7.0	3	C		356		FE
	HOLL	12	1759	1800	1803D	S09	W19	4433	03	11.3	4D	1B C	7.0	3	C		222		
	RAMY	12	1808		1913	S11	W18	4433	03	11.4	65	1N		3	C				FK
	RAMY	12	1808	1832	1913	S11	W18	4433	03	11.4	65	1N		3	C		135		K
0098		12	2008*	2010*	2034	S10	W20	4433	03	11.3	26	SN					48		FK
	HOLL	12	2008	2011	2040	S09	W20	4433	03	11.3	32	SF		3	C		51		K
	HOLL	12	2008	2026	2040	S09	W20	4433	03	11.3	32	SN		3	C		66		FK
	RAMY	12	2009	2010	2019	S10	W20	4433	03	11.3	10	SN		3	C		28		F
	RAMY	12	2021	2026	2036	S10	W20	4433	03	11.3	15	SN		3	C		49		F
0099		12	2041*	20571	2233	S10	W20	4433	03	11.3	112	SN					46		
	HOLL	12	2041	2057	2233	S10	W20	4433	03	11.3	112	SN		3	C		52		
	RAMY	12	2053	2058	2208D	S10	W20	4433	03	11.4	75D	SN		3	C		40		
0100		12	2234	2240*	2425	S10	W21	4433	03	11.4	111	SN C	1.4				112		EFK
	HOLL	12	2234	2240	2416D	S09	W22	4433	03	11.3	102D	SN		3	C		38		K
	HOLL	12	2234	2354	2416D	S09	W22	4433	03	11.3	102D	SB C	1.4	3	C		92		FEK
	LEAR	12	2338E	2338	2425	S10	W20	4433	03	11.5	47D	SF		3	C		114		K
	LEAR	12	2338E	2354	2425	S10	W20	4433	03	11.5	47D	1B C	1.4	3	C		205		K
0101	LEAR	13	0343	0347	0358	S09	W24	4433	03	11.3	15	SB C	1.9	3	C		82		
0102	LEAR	13	0416	0433	0436	S11	W25	4433	03	11.3	20	SN C	1.1	3	C		30		
0103	LEAR	13	0452	0452	0457	S09	W25	4433	03	11.3	5	SN C	1.0	3	C		27		
0104	LEAR	13	0522	0528	0551	S10	W25	4433	03	11.3	29	SB C	4.2	3	C		99		FU
0105	LEAR	13	0629	0631	0639	S12	W51	4431	03	9.4	10	SF		3	C		25		F
0106	LEAR	13	0707	0709	0720	S10	W26	4433	03	11.3	13	SN C	1.3	3	C		32		F
0107		13	0727	07291	0802	S09	W26	4433	03	11.3	35	1B M	2.0				235	2.8	FU
	LEAR	13	0727	0729	0801	S10	W26	4433	03	11.3	34	1B M	2.0	3	C		206		UF
	YUNN	13	0728E	0728U	0804	S09	W27	4433	03	11.3	36D	2B M	2.0		P	0728	472	5.4	
	CATA	13	0730E	0730	0750D	S09	W26	4433	03	11.4	20D	S		2	P	0730	28	.3	
0108		13	13065	13132	1332	S09	W30	4433	03	11.3	26	SB C	2.3				57	.5	EF
	RAMY	13	1306	1313	1337	S09	W30	4433	03	11.3	31	SB C	2.3	3	C		66		FE
	ATHN	13	1308	1313	1324	S08	W29	4433	03	11.4	16	SB C	2.3	2	V	1313	48	.5	
	KANZ	13	1311	1315	1334	S09	W30	4433	03	11.3	23	SN		2					
0109		13	1526	1530*	1606	S10	W32	4433	03	11.2	40	SB C	2.2				80		EFK
	RAMY	13	1526	1530	1606	S10	W32	4433	03	11.2	40	SN		3	C		63		K
	RAMY	13	1526	1544	1606	S10	W32	4433	03	11.2	40	SB C	2.2	3	C		96		FEK
		13	1557		1841	No	Flare	Patrol											
		13	1926		1940	No	Flare	Patrol											
		13	2044		2231	No	Flare	Patrol											
0110	YUNN	14	0117	0122	0147	S14	W39	4429	03	11.1	30	SF			P		16	.2	
0111		14	03152	0324*	0502	S11	W43	4433	03	10.9	107	2B M	2.0				721	10.3	CEFIKLSW
	LEAR	14	0315	0324	0550	S11	W43	4433	03	10.9	155	2B M	2.0	3	C		589		FEK
	LEAR	14	0315	0443	0550	S11	W43	4433	03	10.9	155	SN		3	C		128		K
	VORO	14	0316	0326	0343	S10	W43	4433	03	10.9	27	2F			C	0334	878	12.3	IKLSWZ
	YUNN	14	0317	0325		S09	W43	4433	03	10.9		1B			P		314	4.4	FKW
	KODA	14	0323E	0324	0445D	S10	W42	4433	03	11.0	82D	4B			P	0324	2858	29.5	CIL
	PALE	14	0326E	0326U	0355D	S10	W45	4433	03	10.8	29D	2B		3	C		610		FE
	YUNN	14	0342E	0342	0510	S12	W41	4433	03	11.1	88D	1B			C		314	4.3	
	URUM	14	0347E	0347U	0437	S13	W42	4433	03	11.0	50D	SN			P	0347	79	1.1	

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0112	LEAR	14	0513	0514	0522	S05	E07	4438	03	14.7	9	SF		3	C		29		
0113	MANI	14	0611E	0613	0649	S10	W38	4433	03	11.4	38D	1N		1	V		175	2.3	
0114	RAMY	14	1317	1325	1334D	S20	E62	4437	03	19.3	17D	SF		3	C		50		F
			14 1519		1607	No Flare Patrol													
			14 1832		1847	No Flare Patrol													
			14 1904		1907	No Flare Patrol													
			14 1932		1935	No Flare Patrol													
			14 1942		1947	No Flare Patrol													
			14 2028		2040	No Flare Patrol													
			14 2044		2108	No Flare Patrol													
			14 2259		2302	No Flare Patrol													
0115	YUNN	15	0128	0132	0147	N11	E89	4443	03	21.7	19				C				AT
0116		15	0803I	0804*	0821	N11	E75	4441	03	21.0	18	SN	C 3.6				51	1.5	ADT
	LEAR	15	0803	0804	0840D	N11	E77	4441	03	21.1	37D	SB	C 3.6	1	C		50		
	WEND	15	0803	0806	0814	N12	E75	4441	03	21.0	11	SN	C 3.6		C	0806	50		A
	MANI	15	0804	0805	0819D	N10	E77	4441	03	21.1	15D	SB		1	V		60	1.5	
	URUM	15	0804	0808	0814	N10	E70	4441	03	20.6	10	1N			C		63		
	YUNN	15	0816E	0817	0836	N11	E79	4441	03	21.3	20D	SN			P		31		ADT
0117	YUNN	15	0805	0808	0815D	N12	E88	4443	03	22.0	10D				P				AT
0118	RAMY	15	1149	1154	1303D	S05	W14	4438	03	14.4	74D	SF	C 1.8	3	C		39		
		15	1304		1336	No Flare Patrol													
0119		15	1359	1414*	1505	S05	W15	4438	03	14.5	66	SN					39		K
	RAMY	15	1359	1414	1505	S05	W15	4438	03	14.5	66	SN		3	C		35		K
	RAMY	15	1359	1431	1505	S05	W15	4438	03	14.5	66	SF		3	C		43		K
0120	RAMY	15	1452	1455	1503	S10	W58	4433	03	11.3	11	SF		3	C		16		
0121		15	1510*	1530*	1623	S05	W13	4438	03	14.6	73	SN					67		FK
	RAMY	15	1510	1530	1641	S05	W14	4438	03	14.6	91	SN		3	C		60		K
	RAMY	15	1510	1609	1641	S05	W14	4438	03	14.6	91	SF		3	C		62		K
	HOLL	15	1528	1531	1548	S05	W11	4438	03	14.8	20	SN		3	C		78		F
0122		15	1529I	1530I	1552	S10	W57	4433	03	11.4	23	SN					24		
	RAMY	15	1529	1530	1605	S10	W57	4433	03	11.4	36	SN		3	C		30		
	HOLL	15	1530	1531	1540	S09	W57	4433	03	11.4	10	SF		3	C		19		
0123	HOLL	15	1709	1709	1714	S04	W15	4438	03	14.6	5	SF		3	C		24		F
0124		15	1807*	1807*	1810	S05	W16	4438	03	14.5	3	SF					30		F
	HOLL	15	1807	1807	1810	S05	W14	4438	03	14.7	3	SF		3	C		28		F
	RAMY	15	1819	1819	1907D	S05	W18	4438	03	14.4	48D	SF		3	C		32		
0125	HOLL	15	1900	1910	1914	S10	W58	4433	03	11.4	14	SF		3	C		18		
0126	PALE	15	2003	2003U	2030	S03	W16	4438	03	14.6	27	SF		2	C		31		
0127	RAMY	15	2137	2143	2156D	N11	E79	4441	03	21.8	19D	SF		3	C		64		
0128	CULG	16	0120	0126	0143	S04	W17	4438	03	14.8	23	SF			C	0126	100	1.0	F
0129		16	0145	0150	0202	N16	E85	4443	03	22.5	17	SN	C 1.8				36		AK
	LEAR	16	0145	0150	0202	N17	E82	4443	03	22.3	17	SF	C 1.8	1	C		42		
	YUNN	16	0150E	0150U		N16	E88	4443	03	22.7		D SN	C 1.8		P	0150	31		AK
0130		16	0208*	0211*	0227	N15	E81	4443	03	22.2	19	SN	C 3.4				28		
	MANI	16	0208	0211	0216	N16	E80	4443	03	22.1	8	SN	C 3.4	1	V		35		
	LEAR	16	0209	0213	0218	N15	E79	4443	03	22.1	9	SN	C 3.4	3	C		29		
	YUNN	16	0214E	0214	0235	N16	E88	4443	03	22.8	21D	SN	C 3.4		C		31		
	LEAR	16	0229	0231	0238	N14	E76	4443	03	21.8	9	SF		3	C		16		

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																Time (UT)	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0131	YUNN	16	0321E	0321U	0321D	S16	W50	4442	03	12.3	9D	SN			P	0321	24	.4	
0132	LEAR	16	0538	0538	0546	S05	W24	4438	03	14.4	8	SF		3	C		41		
0133		16	0547*	0610*	0747	S04	W25	4438	03	14.4	120	SN	C 2.3				96	1.1	EFHKU
	LEAR	16	0547	0617	0709	S05	W25	4438	03	14.4	82	SN	C 2.3	3	C		87		K
	LEAR	16	0547	0646	0709	S05	W25	4438	03	14.4	82	SN	C 2.3	3	C		104		UFK
	YUNN	16	0606	0610	0615D	S03	W19	4438	03	14.8	9D	SF			P		31	.3	
	PEKG	16	0652E	0654	0825	S05	W25	4438	03	14.4	93D	SN			P	0654	147	1.7	EK
	PEKG	16	0652E	0744	0825	S05	W27	4438	03	14.3	93D	SN			P	0744	168	1.9	E
	LEAR	16	0710	0724	0742	S05	W26	4438	03	14.3	32	SB	C 4.2	3	C		108		FHK
	LEAR	16	0710	0730	0742	S05	W26	4438	03	14.3	32	SN		3	C		60		K
	MANI	16	0715E	0720	0745	S05	W26	4438	03	14.3	30D	SB	C 4.2	1	V		95	1.1	F
	ATHN	16	0718	0726	0744	S04	W23	4438	03	14.6	26	SN	C 4.2	1	V	0726	80	.9	
	WEND	16	0725E		0800	S04	W25	4438	03	14.4	35D	SN	C 4.2		C	0726	80	.9	
0134	LEAR	16	0635	0645	0701	S20	W41	4436	03	13.1	26	SF		3	C		43		F
0135	LEAR	16	0637	0639	0642	N10	E71	4441	03	21.6	5	SF		3	C		32		
0136		16	0730*	0800	0816	S22	E38	4437	03	19.2	46	SF					52	.4	EF
	LEAR	16	0730	0801	0819	S23	E37	4437	03	19.2	49	SF		3	C		77		F
	WEND	16	0751	0800	0812	S22	E38	4437	03	19.2	21	SF			C	0800	28	.4	E
0137		16	08534	0858*	0921	N15	E78	4443	03	22.3	28	1B					83	1.4	F
	CATA	16	0850E	0910	0910D	N13	E77	4443	03	22.2	20D	1		2	P	0910	56		
	WEND	16	0853	0908	0940	N13	E74	4443	03	21.9	47	1N			C	0910	112		
	LEAR	16	0854	0906	0923	N16	E70	4443	03	21.7	29	SB		3	C		79		F
	MANI	16	0855	0858	0922	N16	E71	4443	03	21.7	27	SN		1	V		65	1.4	
	ATHN	16	0855	0859	0924	N13	E83	4443	03	22.6	29	SB		2	V	0859	64		
	MANI	16	0856	0859	0923	N13	E83	4443	03	22.6	27	SB		1	V				
	YUNN	16	0857E	0858	0902	N18	E88	4443	03	23.1	5D	1N			P		63		
	URUM	16	0857	0906	0913	N16	E74	4443	03	22.0	16	1B			C		141		
0138		16	0854*	0854*	0912	N11	E66	4441	03	21.3	18	SB					29	.7	F
	LEAR	16	0854	0854	0905	N11	E66	4441	03	21.3	11	SN		3	C		12		
	MANI	16	0905	0906	0917	N11	E65	4441	03	21.3	12	SB		1	V		35	.7	
	LEAR	16	0906	0906	0915	N11	E66	4441	03	21.3	9	SB		3	C		40		F
0139	WEND	16	0931E		1014D	S08	W69	4433	03	11.2	43D	SF			C	0944	38		
0140		16	10022	10063	1017	S04	W28	4438	03	14.3	15	SN					40	.5	
	LEAR	16	1002	1006	1007D	S05	W28	4438	03	14.3	5D	SN		3	C		36		
	WEND	16	1004	1009	1017	S04	W27	4438	03	14.4	13	SF			C	1009	44	.5	
0141	WEND	16	1136	1142	1154	S02	W25	4438	03	14.6	18	SN			C	1142	37	.4	D
0142		16	12211	12252	1236	N10	E73	4443	03	22.0	15	SN	C 1.8				64		
	RAMY	16	1221	1227	1244D	N11	E74	4443	03	22.1	23D	SF	C 1.8	3	C		60		
	WEND	16	1222	1225	1236	N10	E72	4443	03	21.9	14	SN	C 1.8		C	1225	68		
0143	WEND	16	1253	1257	1302	S04	W33	4438	03	14.1	9	SF			C	1257	28	.3	
0144	WEND	16	1522	1526	1535D	S25	E31	4437	03	19.0	13D	SN			C	1526	25	.3	E
0145	RAMY	16	1835	1839	1905	S05	W32	4438	03	14.4	30	SN		3	C		37		
0146	RAMY	16	1925	1935	1941	S04	W28	4438	03	14.7	16	SF		3	C		44		
0147	RAMY	16	1959	2002	2016	S05	W32	4438	03	14.4	17	SN		3	C		26		
0148		16	21233	2126*	2132	S04	W28	4438	03	14.8	9	SN	C 2.0				124	1.7	EFK
	RAMY	16	2123	2126	2207D	S04	W28	4438	03	14.8	44D	SB	C 2.0	3	C		154		FEK
	RAMY	16	2123	2204	2207D	S04	W28	4438	03	14.8	44D	SN		3	C		58		K
	CULG	16	2126	2127	2132	S04	W29	4438	03	14.7	6	SF			C	2127	160	1.7	
0149		16	2224*	2228*	2304	S05	W31	4438	03	14.6	40	SN	C 2.0				66	1.1	F
	HOLL	16	2202E	2228	2238D	S04	W33	4438	03	14.4	36D	SN	C 2.0	3	C		71		F
	CULG	16	2224	2246	2250	S06	W27	4438	03	14.9	26	SN			C	2246	100	1.1	
	HOLL	16	2253	2255	2319	S04	W34	4438	03	14.4	26	SF		3	C		26		F



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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	Area Measurement			Remarks
																Time (UT)	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0150	HOLL	16	2341	2341	2350	S02	W30	4438	03	14.7	9	SN		3	C		36		F
0151		17	00023	00078	0039	S03	W32	4438	03	14.6	37	SN	C 2.1				62		FK
	HOLL	17	0002	0015	0041D	S02	W31	4438	03	14.7	39D	SN	C 2.1	3	C		70		F
	LEAR	17	0005	0007	0039	S03	W33	4438	03	14.5	34	SN			C		74		K
	LEAR	17	0005	0015	0039	S03	W33	4438	03	14.5	34	SN	C 2.1	3	C		42		FK
0152		17	00552	01033	0114	S06	W34	4438	03	14.5	19	SN	C 2.0				86		F
	PALE	17	0055	0103	0114	S06	W33	4438	03	14.6	19	SF	C 2.0	3	C		130		
	LEAR	17	0057	0106	0115	S05	W34	4438	03	14.5	18	SN	C 2.0	3	C		43		F
0153		17	01437	01474	0203	S04	W34	4438	03	14.5	20	SN	C 2.0				61		F
	LEAR	17	0143	0147	0157	S05	W34	4438	03	14.5	14	SN	C 2.0	3	C		42		F
	PALE	17	0150	0151	0209	S04	W33	4438	03	14.6	19	SF	C 2.0	3	C		80		
0154	LEAR	17	0251	0252	0259	S05	W35	4438	03	14.5	8	SN			C		27		
0155	YUNN	17	0354E	0355U	0403	N05	W06	4444A	03	16.7	9D	SN			P	0355	31	.3	
0156		17	06034	0608	0635	N13	E65	4443	03	22.1	32	SN	C 4.8				75	1.0	EF
	PEKG	17	0603	0608	0628	N13	E66	4443	03	22.2	25	SN	C 4.8		P	0608	126		E
	YUNN	17	0603	0608	0643	N13	E67	4443	03	22.3	40	1N	C 4.8		C		79		
	LEAR	17	0607	0608	0640	N14	E65	4443	03	22.2	33	SN	C 4.8	3	C		45		F
	CULG	17	0617E	0617U	0629	N13	E62	4443	03	21.9	12D	SF			C	0617	50	1.0	
0157	YUNN	17	0651E	0651U	0651D	S04	W36	4438	03	14.6	12D	SN			P	0651	47	.6	
0158		17	08302	08305	0844	S02	W36	4438	03	14.7	14	SN					126	1.6	
	CATA	17	0830	0830	0845	S02	W35	4438	03	14.7	15	S		2	C	0830	112	1.4	
	YUNN	17	0832	0835	0844	S01	W36	4438	03	14.7	12	SN			C		141	1.8	
0159	LEAR	17	0856	0856	0900	N15	E64	4443	03	22.2	4	SF			C		25		
0160		17	0905	09056	0914	S03	W35	4438	03	14.8	9	SN	C 2.6				44	1.1	K
	LEAR	17	0905	0905	0914	S03	W35	4438	03	14.8	9	SN	C 2.6	3	C		23		K
	CATA	17	0905	0910	0915	S02	W36	4438	03	14.7	10	S		2	C	0910	84	1.1	
	LEAR	17	0905	0911	0914	S03	W35	4438	03	14.8	9	SN			C		26		K
0161		17	09223	09251	1016	N11	E62	4443	03	22.0	54	1N	M 1.3				79	1.8	F
	LEAR	17	0922	0926	0956D	N14	E63	4443	03	22.1	34D	1N	M 1.3	3	C		107		F
	CATA	17	0925	0925	0935	N14	E64	4443	03	22.2	10	S		2	C	0925	56		
	CATA	17	0925	0925	0950D	N09	E63	4443	03	22.1	25D	1		2	P	0925	84	2.0	
	WEND	17	0930E		1044	N11	E62	4443	03	22.1	74D	SN	M 1.3		C	0930	70	1.6	
	KANZ	17	0931E	0931U	1028	N08	E60	4443	03	21.9	57D	1F		1					
0162		17	09467	0954	0958	S06	W43	4438	03	14.2	12	SF					32		
	LEAR	17	0946	0954	0956D	S06	W44	4438	03	14.1	10D	SF		3	C		32		
	KANZ	17	0953	0954	0958	S06	W42	4438	03	14.3	5	SF		1					
0163		17	14201	14214	1440	N12	E48	4441	03	21.2	20	SF					80	1.3	E
	WEND	17	1420	1425	1442	N12	E48	4441	03	21.2	22	SF			C	1425	80	1.3	
	KANZ	17	1421	1421	1437	N13	E48	4441	03	21.2	16	SF		2					E
0164		17	14537	14591	1505	S04	W42	4438	03	14.5	12	SN	C 2.0				37		
	HOLL	17	1453	1459	1506	S03	W42	4438	03	14.5	13	SN	C 2.0	3	C		37		
	KANZ	17	1500	1500	1504	S04	W42	4438	03	14.5	4	SN		2					
0165	HOLL	17	1643	1643	1704	S22	E19	4437	03	19.1	21	SF			C		25		
0166		17	1759	1812	1820	S22	E20	4437	03	19.3	21	SF	C 1.5				63		
	PALE	17	1759	1812	1820	S21	E19	4437	03	19.2	21	SF	C 1.5	3	C		40		
	RAMY	17	1814E	1814U	1831D	S22	E21	4437	03	19.4	17D	SF	C 1.5	3	C		86		
0167		17	1839	1843	1846	S04	W44	4438	03	14.5	7	SN					31		
	RAMY	17	1814E	1815U	1831D	S06	W45	4438	03	14.4	17D	SF		3	C		38		
	HOLL	17	1839	1843	1846	S03	W44	4438	03	14.5	7	SN		3	C		24		
0168		17	2114	2110U	2140	S22	E17	4437	03	19.2	26	SN	C 1.1				87		
	HOLL	17	2110E	2110U	2140	S22	E17	4437	03	19.2	30D	SF	C 1.1	3	C		79		
	PALE	17	2114	2117U	2125D	S23	E17	4437	03	19.2	11D	SN	C 1.1	3	C		95		



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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 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0187	RAMY	18	1918	1923	1929	S04	W60	4438	03	14.3	11	SF		3	C		33			
0188	RAMY	18	1944	1954	2002	S06	W62	4438	03	14.2	18	SF		3	C		20			
0189	RAMY	18	2012	2026	2057	S07	W63	4438	03	14.1	45	SF C	1.2	3	C		28		F	
0190		18	21431	2149*	2246	N12	E42	4443	03	22.1	63	SN C	2.3				142	1.1	F	
	RAMY	18	2143	2200	2208D	N10	E42	4443	03	22.1	25D	IN C	2.3	3	C		191		F	
	HOLL	18	2144	2149	2300	N13	E43	4443	03	22.2	76	SN		3	C		155		F	
	CULG	18	2205E	2210U	2231	N12	E42	4443	03	22.1	26D	SF			P	2210	80	1.1		
0191	HOLL	18	2151	2151	2203	S03	W62	4438	03	14.3	12	SF		3	C		31			
0192	LEAR	19	0052	0055	0102	N16	E41	4443	03	22.1	10	SF		3	C		17		F	
0193		19	01442	01471	0156	S04	W62	4438	03	14.4	12	SN C	4.1				73	1.2	DF	
	PEKG	19	0144	0148	0153	S05	W67	4438	03	14.1	9	SN C	4.1		P	0148	76		D	
	MANI	19	0146E	0147	0149D	S03	W60	4438	03	14.6	3D	SN C	4.1	1	V		65	1.2	F	
	LEAR	19	0146	0147	0159	S03	W60	4438	03	14.6	13	SB C	4.1	3	C		78			
0194	LEAR	19	0247	0249	0301	N11	E27	4441	03	21.1	14	SF		3	C		40		F	
0195		19	02563	03023	0324	N16	E40	4443	03	22.1	28	SN C	1.8				64	.7	FT	
	LEAR	19	0256	0305	0328	N16	E40	4443	03	22.1	32	SN C	1.8	3	C		81		F	
	YUNN	19	0259	0302	0319	N17	E41	4443	03	22.2	20	SN C	1.8		C		47	.7	T	
0196		19	06223	0622*	0659	N17	E37	4443	03	22.1	37	SN C	1.1				89	1.4	EFKT	
	LEAR	19	0622	0622	0710	N17	E37	4443	03	22.1	48	SF		3	C		25		K	
	LEAR	19	0622	0633	0710	N17	E37	4443	03	22.1	48	SN C	1.1	3	C		121		FK	
	YUNN	19	0623	0635	0647	N17	E38	4443	03	22.1	24	SN C	1.1		C		63	.9	T	
	CULG	19	0625	0631	0648	N19	E35	4443	03	21.9	23	SF			C	0631	40	.5		
	PEKG	19	0631E	0631	0631D	N17	E38	4443	03	22.1	23D	IN C	1.1		P	0631	198	2.8	E	
0197		19	0708*	0712*	0730	N12	E64	4446	03	24.1	22	SN					20			
	LEAR	19	0708	0712	0722	N12	E66	4446	03	24.3	14	SN		3	C		22			
	LEAR	19	0724	0724	0739	N13	E63	4446	03	24.1	15	SN		3	C		18			
0198	LEAR	19	0710	0714	0721	S06	W68	4438	03	14.2	11	SF C	1.2	3	C		33		F	
0199		19	09012	09072	0928	N13	E37	4443	03	22.2	27	SN					81	1.1	DFT	
	WEND	19	0901	0909	0930	N11	E37	4443	03	22.1	29	SN			C	0909	68	.9		
	LEAR	19	0902	0907	0929	N12	E36	4443	03	22.1	27	SN		3	C		82		F	
	YUNN	19	0903	0907	0925	N15	E37	4443	03	22.2	22	SN			C		94	1.3	T	
	KHAR	19	0907E		0932D	N13	E37	4443	03	22.2	25D	SN			V	0921			D	
0200	RAMY	19	1208	1208	1224	N12	E35	4443	03	22.1	16	SF		3	C		38		F	
0201		19	14222	1427*	1504	N13	E34	4443	03	22.2	42	SN C	1.0				85	1.3	FK	
	RAMY	19	1422	1427	1514	N13	E34	4443	03	22.2	52	SN C	1.0	3	C		117		FK	
	WEND	19	1422	1428	1506D	N14	E34	4443	03	22.2	44D	SN C	1.0		C	1428	100	1.3		
	RAMY	19	1422	1456	1514	N13	E34	4443	03	22.2	52	SN		3	C		73		K	
	HOLL	19	1424	1432	1445	N13	E35	4443	03	22.2	21	SF		3	C		50		F	
0202	RAMY	19	1502	1506	1523	S06	W72	4438	03	14.2	21	SN C	1.2	3	C		70			
0203	RAMY	19	1759	1806	1847	N15	E31	4443	03	22.1	48	IN C	1.1	3	C		231		F	
0204		19	1912	1913	1931	N06	W30	4445	03	17.5	19	SF					48			
	RAMY	19	1912	1913	1928	N06	W29	4445	03	17.6	16	SF		3	C		39			
	PALE	19	1915E	1917U	1934	N05	W30	4445	03	17.5	19D	SF		3	C		56			
0205	RAMY	19	1918E	1919	1919D	N11	E51	4446	03	23.6	1D	IN C	3.9	3	C		239			
0206	RAMY	19	2004	2008	2019	N06	W30	4445	03	17.6	15	SF		3	C		50			
		19	2119		2126	No Flare Patrol														
0207		20	02153	0219	0234	N06	W34	4445	03	17.5	19	SF					43	.4		
	YUNN	20	0215	0219	0235	N07	W35	4445	03	17.5	20	SF			C		31	.4		
	PALE	20	0217	0219	0232	N06	W34	4445	03	17.5	15	SF		3	C		52			
	LEAR	20	0218	0219	0236	N06	W34	4445	03	17.5	18	SN		3	C		45			

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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	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0208	LEAR	20	0336	0341	0404	N09	E25	4441A	03	22.0	28	SN		3	C		124		F
0209		20	03382	03402	0417	N13	E13	4441	03	21.1	39	2N C	5.6				429	6.1	FKTU
	LEAR	20	0338	0340	0418	N13	E13	4441	03	21.1	40	1N C	5.6	3	C		236		K
	LEAR	20	0338	0341	0418	N13	E13	4441	03	21.1	40	2B C	5.6	3	C		513		UFK
	YUNN	20	0340	0342	0415	N14	E13	4441	03	21.1	35	2N C	5.6		C		538	6.1	T
0210		20	1039*	1050*	1137	N10	E21	4441A	03	22.0	58	SN					129	1.6	E
	URUM	20	1039	1050	1119	N10	E21	4441A	03	22.0	40	SN			C		157	1.8	
	WEND	20	1041	1051	1128	N11	E22	4441A	03	22.1	47	SN			C	1051	131	1.5	
	KANZ	20	1047	1051	1138	N09	E21	4441A	03	22.0	51	SN		2					E
	RAMY	20	1119	1125	1204	N10	E21	4441A	03	22.0	45	SF		3	C		98		
0211	RAMY	20	1119E	1129	1212	S13	E70	4449	03	25.7	53D	SF		3	C		14		
0212		20	12273	12308	1249	S13	E69	4449	03	25.7	22	SN					24		
	WEND	20	1227	1232	1249	S13	E69	4449	03	25.7	22	SF			C	1232	25		
	RAMY	20	1228	1238	1250	S13	E69	4449	03	25.7	22	SN		3	C		23		
	KANZ	20	1230	1230	1248	S13	E70	4449	03	25.8	18	SN		2					
0213	KANZ	20	1314	1317	1333	N14	E09	4441	03	21.2	19	SF		2					
0214	RAMY	20	1512	1521	1527	N07	W43	4445	03	17.4	15	SF		3	C		31		
0215		20	1519	1521*	1552	N14	E08	4441	03	21.2	33	SN C	2.2				74	.3	FK
	HOLL	20	1519	1521	1551	N14	E08	4441	03	21.2	32	SF		3	C		46		K
	HOLL	20	1519	1533	1551	N14	E08	4441	03	21.2	32	SN C	2.2	3	C		94		FK
	RAMY	20	1519	1533	1555	N14	E07	4441	03	21.2	36	SN C	2.2	3	C		130		
	WEND	20	1530E		1545D	N13	E08	4441	03	21.2	15D	SN			P	1540	28	.3	
0216	RAMY	20	1528	1533	1542	N09	E20	4441A	03	22.1	14	SF		3	C		48		F
0217	RAMY	20	1528	1530	1552	S11	E78	4449	03	26.5	24	SF		3	C		25		
0218		20	1625*	1642*	1733	S14	E67	4449	03	25.7	68	SN					43		K
	RAMY	20	1625	1642	1746	S13	E67	4449	03	25.7	81	SN		3	C		58		K
	RAMY	20	1625	1701	1746	S13	E67	4449	03	25.7	81	SN		3	C		33		K
	HOLL	20	1641	1642	1706	S15	E68	4449	03	25.8	25	SF		3	C		39		
0219	HOLL	20	1712	1712	1719	N07	W43	4445	03	17.5	7	SF		3	C		26		
0220		20	19291	19311	1946	N06	W44	4445	03	17.5	17	SF					41		F
	HOLL	20	1929	1932	1940	N07	W44	4445	03	17.5	11	SF		3	C		44		F
	PALE	20	1930	1931	1952	N05	W44	4445	03	17.5	22	SF		3	C		38		
0221		20	23112	23142	2330	N14	E02	4441	03	21.1	19	SN					48	.5	EF
	PALE	20	2311	2317U	2328	N14	E02	4441	03	21.1	17	SF		3	C		49		
	LEAR	20	2313	2314	2327	N14	E03	4441	03	21.2	14	SN		3	C		49		F
	PEKG	20	2315E	2316	2335	N13	E02	4441	03	21.1	20D	SN			P	2316	46	.5	E
0222		20	2320	2326	2406	S14	E64	4449	03	25.8	46	SN					46	1.0	
	LEAR	20	2320	2326	2408	S14	E64	4449	03	25.8	48	SF		3	C		41		
	MANI	20	2324E	2326	2405	S14	E65	4449	03	25.9	41D	SN		1	V		52	1.0	
0223	LEAR	20	2334	2334	2343	N12	E16	4443	03	22.2	9	SF		3	C		21		F
0224	PALE	21	0246	0246	0252	N11	E13	4443	03	22.1	6	SF		3	C		87		F
0225		21	04016	04095	0427	N13	E13	4443	03	22.1	26	SN					99	1.4	FT
	YUNN	21	0401	0409	0441	N14	E12	4443	03	22.1	40	SN			C		108	1.2	T
	LEAR	21	0407	0409	0414	N12	E13	4443	03	22.1	7	SN		3	C		49		F
	URUM	21	0410E	0414	0427	N13	E14	4443	03	22.2	17D	SF			P		141	1.6	
0226		21	04532	04583	0528	N21	E28		03	23.3	35	SN					53	.6	G
	YUNN	21	0453	0501	0521	N22	E28		03	23.3	28	SN			C		46	.6	G
	LEAR	21	0455	0458	0536	N20	E29		03	23.4	41	SF		3	C		60		
0227	URUM	21	0631E	0633	0707	N06	W52	4445	03	17.4	36D	SN			P		63	1.1	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	(Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	(10 <sup>-6</sup> Disk)	Apparent (Sq Deg)		
0228		21	09124	0916	0926	N13	W02	4441	03	21.2	14	SF					30	.3	DT	
	MANI	21	0912	0916	0925	N13	W03	4441	03	21.1	13	SF		1	V		28	.3		
	WEND	21	0916E		0927	N14	W02	4441	03	21.2	11D	SN			C	0916	26	.3	D	
	KANZ	21	0916	0916	0924	N13	W02	4441	03	21.2	8	SF		1						
	LEAR	21	0916	0916	0928	N13	W02	4441	03	21.2	12	SF		3	C		35			
	YUNN	21	0917E	0917U	0929	N14	W03	4441	03	21.2	12D	SN			P	0917	31	.3	DT	
0229	KANZ	21	0920	0924	0936	N07	E28	4450	03	23.5	16	SF		1						
		21	1040		1042	No Flare Patrol														
0230		21	1207*	1208*	1237	N09	E24	4450	03	23.3	30	SN					81	1.3	E	
	LVOV	21	1204E	1212	1315D	N10	E25	4450	03	23.4	71D	1F				1212	200	2.4	E	
	RAMY	21	1207	1208	1225	N09	E25	4450	03	23.4	18	SN		3	C		68			
	KANZ	21	1211	1211	1223	N07	E24	4450	03	23.3	12	SN		2						
	RAMY	21	1249	1251	1302	N09	E24	4450	03	23.3	13	SF		3	C		35			
	HTPR	21	1250E		1258D	N09	E22	4450	03	23.2	8D	SN			C	1250	20	.2	E	
	KANZ	21	1250	1250	1258D	N08	E24	4450	03	23.3	8D	SN		2						
0231		21	1319	13202	1351	N14	W04	4441	03	21.2	32	1N					181	2.8	EFS	
	LVOV	21	1318E	1322	1345D	N14	W03	4441	03	21.3	27D	1N				1322	250	2.8	E	
	RAMY	21	1319	1320	1351	N14	W06	4441	03	21.1	32	SN		3	C		112		FS	
0232	RAMY	21	1351	1356	1407	N08	E26	4450	03	23.5	16	SF		3	C		30			
0233	KANZ	21	1428	1432	1435D	N08	E25	4450	03	23.5	7D	SF		2						
0234	KANZ	21	1432	1432	1432	N15	E11	4443	03	22.4	7	SF		2						
0235		21	1446*	1448*	1514	N08	E25	4450	03	23.5	28	SN					40		F	
	RAMY	21	1446	1448	1452	N08	E24	4450	03	23.4	6	SF		3	C		25			
	HOLL	21	1448E	1511U	1536	N07	E25	4450	03	23.5	48D	SN		3	C		62		F	
	RAMY	21	1503	1506	1515	N08	E26	4450	03	23.6	12	SN		3	C		33			
	KANZ	21	1538E	1538U	1541D	N08	E25	4450	03	23.5	3D	SF		2						
0236	RAMY	21	1458	1525	1531	S13	E55	4449	03	25.8	33	SF		3	C		14			
		21	1546		1554	No Flare Patrol														
0237		21	17232	1732	1838	N08	E24	4450	03	23.5	75	1B C 8.8					204		F	
	RAMY	21	1723		1808D	N08	E24	4450	03	23.5	45D	SN C 8.8		3	C		169		F	
	HOLL	21	1725	1732	1838	N07	E24	4450	03	23.5	73	1B C 8.8		3	C		240		F	
0238		21	1831*	1831*	1855	S13	E52	4449	03	25.7	24	SN C 2.4					67		K	
	PALE	21	1831	1831	1855	S12	E52	4449	03	25.7	24	SF		3	C		20		K	
	PALE	21	1831	1845	1855	S12	E52	4449	03	25.7	24	SB C 2.4		3	C		106		K	
	HOLL	21	1841	1845	1854	S14	E52	4449	03	25.7	13	SB C 2.4		3	C		75			
0239	HOLL	21	2027	2046	2100	N06	E22	4450	03	23.5	33	SN C 2.5		3	C		36			
0240	HOLL	21	2104	2109	2116	N07	E21	4450	03	23.4	12	SF		3	C		23			
0241		21	2134	2140*	2313	N08	E02	4441A	03	22.0	99	SN					82		FK	
	HOLL	21	2134	2140	2313	N08	E02	4441A	03	22.0	99	SF		3	C		63		K	
	HOLL	21	2134	2159	2313	N08	E02	4441A	03	22.0	99	SN		3	C		102		FK	
0242	HOLL	21	2152	2154	2209	N13	W10	4441	03	21.1	17	SF		3	C		68		F	
0243	HOLL	21	2214	2222	2231	N07	E20	4450	03	23.4	17	SN		3	C		39			
0244		21	2226E	2231U	2237	N13	E08	4443	03	22.5	11D	SN					134	1.5	EF1	
	VORO	21	2226E		2237	N14	E13	4443	03	22.9	11D	SN			C	2228	134	1.5	E1	
	PALE	21	2231E	2231U	2306D	N12	E04	4443	03	22.2	35D	SN		3	C		135		F	
0245		22	0204*	0204*	0243	N07	E18	4450	03	23.4	39	SN C 2.1					105	1.8	EF	
	LEAR	22	0204	0204	0222	N07	E16	4450	03	23.3	18	SB C 2.1		3	C		170			
	PALE	22	0206E	0206U	0231	N07	E18	4450	03	23.4	25D	SN C 2.1		3	C		50			
	MANI	22	0209E	0209U	0219D	N08	E15	4450	03	23.2	10D	SN C 2.1		1	V		125	1.4	F	
	YUNN	22	0226	0234	0302	N07	E19	4450	03	23.5	36	1N			C		185	2.1	E	
	LEAR	22	0232	0242	0256	N07	E19	4450	03	23.5	24	SB		3	C		54			
	PALE	22	0247E	0250U	0254D	N08	E18	4450	03	23.5	7D	SN		3	C		48			

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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 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0246	LEAR	22	0440	0441	0449	S15	E50	4449	03	26.0	9	SF		3	C		23		F
0247	LEAR	22	0530	0536	0552	S15	E51	4449	03	26.1	22	SN		3	C		29		F
0248		22	0629 <sup>5</sup>	0636 <sup>8</sup>	0652	N08	E16	4450	03	23.5	23	SF					28	.4	
	LEAR	22	0629	0644	0652	N07	E15	4450	03	23.4	23	SF		3	C		26		
	URUM	22	0634	0636	0653 <sup>D</sup>	N09	E16	4450	03	23.5	19 <sup>D</sup>	SF			P		31	.4	
0249		22	0724 <sup>4</sup>	0737	0828	N08	E16	4450	03	23.5	64	SN	C 2.1				81	.8	FU
	LEAR	22	0724	0737	0840	N08	E17	4450	03	23.6	76	SN	C 2.1	3	C		85		UF
	YUNN	22	0728	0739 <sup>U</sup>	0804	N08	E16	4450	03	23.5	36	SN	C 2.1		P	0739	108	1.2	F
	KANZ	22	0759 <sup>E</sup>	0759 <sup>U</sup>	0834	N08	E17	4450	03	23.6	35 <sup>D</sup>	SN		2					
	WEND	22	0815 <sup>E</sup>		0834	N07	E16	4450	03	23.5	19 <sup>D</sup>	SN	C 2.1		C	0815	50	.5	
0250	KANZ	22	0803	0803	0806	N16	E18	4446	03	23.7	3	SF		2					
0251		22	0842	0845 <sup>3</sup>	0906	N05	W90		03	15.6	24	SN					30		AG
	YUNN	22	0842	0845	0902	N05	W89		03	15.7	20				C				AG
	HTPR	22	0842	0848	0910	N05	W90		03	15.6	28	SN			C	0848	30		
0252	HTPR	22	0928	0935	0950	S13	E40	4447	03	25.4	22	SF			C	0935	40	.5	E
0253	KANZ	22	0952	0956	1000	S13	E43	4449	03	25.6	8	SN		2					E
0254		22	1030	1050 <sup>4</sup>	1119	N08	E14	4450	03	23.5	49	SF					41	.5	F
	KANZ	22	1030	1050	1114	N07	E14	4450	03	23.5	44	1F		2					
	URUM	22	1052 <sup>E</sup>	1054	1116	N09	E15	4450	03	23.6	24 <sup>D</sup>	SF			P		47	.5	
	RAMY	22	1102 <sup>E</sup>	1111 <sup>U</sup>	1126	N07	E14	4450	03	23.5	24 <sup>D</sup>	SF		3	C		35		F
0255	KANZ	22	1237	1237	1252	N09	E10	4450	03	23.3	15	SF		2					
0256	KANZ	22	1352	1356	1403	S12	E39	4447	03	25.5	11	SN		2					
0257	RAMY	22	1353	1354	1404	S11	E49	4449	03	26.3	11	SN		3	C		47		
0258	RAMY	22	1605	1612	1648	N08	E12	4450	03	23.6	43	1B	C 8.6	3	C		386		EF
0259	PALE	22	1747	1749	1809	S15	E31	4447	03	25.1	22	SF		3	C		26		
		22	1850		1900			No Flare Patrol											
		22	1936		2015			No Flare Patrol											
		22	2116		2133			No Flare Patrol											
		22	2137		2149			No Flare Patrol											
		22	2204		2210			No Flare Patrol											
		22	2232		2234			No Flare Patrol											
		22	2259		2308			No Flare Patrol											
0260	PALE	22	2310 <sup>E</sup>	2312 <sup>U</sup>	2315 <sup>D</sup>	S15	E41	4449	03	26.1	5 <sup>D</sup>	1N		3	C		185		F
0261		23	0414 <sup>*</sup>	0453 <sup>*</sup>	0508	S14	E40	4449	03	26.2	54	SN					125	2.0	EF
	LEAR	23	0414		0457	S13	E41	4449	03	26.3	43	SN		3	C		74		F
	YUNN	23	0451	0453	0501	S13	E39	4449	03	26.1	10	SN			C		154	2.0	
	PEKG	23	0507 <sup>E</sup>	0507	0525	S15	E40	4449	03	26.2	18 <sup>D</sup>	SN			P	0507	147	2.0	E
0262		23	0451 <sup>*</sup>	0453 <sup>*</sup>	0518	N12	E16	4446	03	24.4	27	SN					100	1.2	E
	YUNN	23	0451	0453	0521	N12	E16	4446	03	24.4	30	SN			C		108	1.2	
	PEKG	23	0502	0507	0515	N13	E17	4446	03	24.5	13	SN			P	0507	92	1.1	E
0263		23	0642 <sup>7</sup>	0645 <sup>7</sup>	0713	S16	E38	4449	03	26.2	31	1N					95	1.3	E
	ABST	23	0642	0645	0702	S16	E38	4449	03	26.2	20	1N			C	0645	174	2.4	E
	URUM	23	0649	0652	0724	S16	E37	4449	03	26.1	35	SF			C		16	.2	
0264		23	0647 <sup>5</sup>	0650 <sup>6</sup>	0702	N09	E00	4450	03	23.3	15	SF					89	1.0	E
	ABST	23	0647	0650	0656	N09	E01	4450	03	23.3	9	SF			C	0650	131	1.4	E
	URUM	23	0652	0656	0708	N09	E00	4450	03	23.3	16	SF			C		47	.5	
0265	HTPR	23	0731	0735	0738	N18	E06	4446	03	23.8	7	SF			C	0735	10	.1	

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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	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0266	HTPR	23	0732	0746	0750	N07	W80	4445	03	17.3	18	SF			C	0746	20		E
0267		23	0812*	08316	0858	S12	E38	4449	03	26.2	46	SF					50	.6	E
	URUM	23	0812	0837	0857	S15	E35	4449	03	26.0	45	SF			C		79	1.0	
	HTPR	23	0826	0831	0859	S08	E40	4449	03	26.3	33	SF			C	0831	20	.3	E
0268		23	1331	13342	1344	S13	E35	4449	03	26.2	13	SN					43	.5	E
	RAMY	23	1331	1334	1343	S11	E36	4449	03	26.3	12	SN		3	C		46		
	HTPR	23	1331	1336	1345	S15	E34	4449	03	26.1	14	SN			C	1336	40	.5	E
0269		24	0254I	0256	0312	N08	W08	4450	03	23.5	18	SB					38	.3	F
	LEAR	24	0254	0256	0314	N08	W08	4450	03	23.5	20	SB		3	C		46		F
	URUM	24	0255	0256	0311	N07	W08	4450	03	23.5	16	SN			C		31	.3	
0270	LEAR	24	0710	0711	0715	N09	W29	4443	03	22.1	5	SF		3	C		24		F
0271	HOLL	24	1950	1950	1959	N00	E42		03	28.0	9	SN		3	C		22		
0272	PALE	24	2108	2115	2140	S15	E18	4449	03	26.2	32	SF		3	C		37		
		25	1005		1014	No Flare Patrol													
0273		26	0112*	0129*	0202	S14	E89	4455	04	1.8	50	SF					46		AG
	YUNN	26	0112	0129	0210	S14	E88	4455	04	1.7	58				C				AG
	PEKG	26	0130	0141	0155	S14	E90	4455	04	1.9	25	SF			P	0141	45		A
0274	LEAR	26	0552	0554	0606	S14	W35	4451	03	23.6	14	SF		3	C		30		
0275		26	0836	0828*	0844	S17	E85	4455	04	1.8	8	1B					178		AG
	CATA	26	0815E	0828	0845D	S18	E90	4455	04	2.2	30D	2		2	P	0828	281		A
	WEND	26	0835E	0837	0844	S16	E88	4455	04	2.0	9D	1N			C	0837	75		AG
	KANZ	26	0836	0840	0849D	S16	E77	4455	04	1.2	13D	SB		2					
0276	RAMY	26	1525	1525	1542	S13	W41	4451	03	23.5	17	SF		3	C		18		
		26	1759		1916	No Flare Patrol													
		26	1929		2032	No Flare Patrol													
0277	PALE	26	2114	2115	2121	N07	W45	4450	03	23.5	7	SF		3	C		23		F
0278	PALE	27	0142	0148	0150	S11	E79	4455	04	2.0	8	SF		3	C		25		
0279	LEAR	27	0244	0248	0254	S14	E77	4455	04	1.9	10	SF		3	C		15		
0280		27	0343I	03433	0352	S15	E77	4455	04	2.0	9	SN					34		F
	LEAR	27	0343	0343	0352	S16	E75	4455	04	1.8	9	SN		3	C		12		F
	PALE	27	0344	0346	0351D	S14	E79	4455	04	2.1	7D	SF		3	C		56		F
0281	LEAR	27	0440	0444	0458	S11	E60	4454	03	31.7	18	SF		3	C		26		F
0282	LEAR	27	0936	0936	0948	S14	E72	4455	04	1.8	12	SN		3	C		17		
0283	LEAR	27	0946	0951	0952D	S14	W21	4449	03	25.8	6D	SF		2	C		30		F
0284	RAMY	27	1118	1205	1233D	S15	E83	4455	04	2.7	75D	SF C 1.8	1	C		53			
0285	RAMY	27	1320E	1330	1345	S15	E71	4455	04	1.9	25D	SN C 1.7	3	C		67			
0286		27	1424	1430*	1452	S12	E72	4455	04	2.0	28	SB C 2.1					57		K
	RAMY	27	1424	1430	1452	S12	E72	4455	04	2.0	28	SN		3	C		48		K
	RAMY	27	1424	1441	1452	S12	E72	4455	04	2.0	28	SB C 2.1	3	C		66		K	
0287		27	1500*	1511*	1544	S14	E72	4455	04	2.1	44	SN					22		
	RAMY	27	1500	1511	1538	S14	E73	4455	04	2.1	38	SN		3	C		22		
	RAMY	27	1543	1543	1549	S13	E71	4455	04	2.0	6	SF		3	C		23		
0288		27	1625	1645*	1843	S14	E70	4455	04	2.0	138	SF					41		FK
	RAMY	27	1625	1645	1843	S14	E69	4455	04	1.9	138	SF		3	C		32		K
	RAMY	27	1625	1749	1843	S14	E69	4455	04	1.9	138	SN		3	C		64		K
	HOLL	27	1735E	1735U	1740	S15	E72	4455	04	2.2	5D	SF		3	C		19		F
	PALE	27	1802E	1824U	1908	S13	E71	4455	04	2.1	66D	SF		3	C		69		F
	HOLL	27	1912E	1912U	1921	S15	E71	4455	04	2.2	9D	SF		3	C		23		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0289		27	1948	1950	2017	S13	E68	4455	04	1.9	29	SN	M 1.4					38		F
	HOLL	27	1948	1950	2014	S14	E69	4455	04	2.0	26	SN	M 1.4	3	C			45		F
	PALE	27	1949E	1950U	2020	S12	E68	4455	04	1.9	31D	SN	M 1.4	3	C			31		F
0290		27	21473	2150*	2234	S10	E79	4455	04	2.8	47	SF	M 1.4					63		FK
	CULG	27	2147	2153	2222	S09	E83	4455	04	3.1	35	1F			C	2153		60		
	PALE	27	2150	2150	2240	S11	E77	4455	04	2.7	50	SN	M 1.4	3	C			28		FK
	PALE	27	2150	2228	2240	S11	E77	4455	04	2.7	50	SF		3	C			100		K
0291		27	2332*	2332*	2358	S13	E67	4455	04	2.0	26	SF						35		F
	PALE	27	2332	2332	2338	S13	E68	4455	04	2.1	6	SF			C			13		F
	LEAR	27	2338	2354	2425D	S15	E66	4455	04	2.0	47D	SN			C			73		F
	PALE	28	0003	0006	0017	S12	E68	4455	04	2.1	14	SF			C			20		F
0292	URUM	28	0123	0137	0204	S13	W60	4451	03	23.5	41	SN			C			79	1.6	
0293	PALE	28	0252	0253	0309	S13	W59	4451	03	23.7	17	SF			C			27		
0294		28	0319	03291	0336	S13	E65	4455	04	2.0	17	SN	C 2.0					80	2.2	EF
	PALE	28	0319	0329	0330D	S13	E66	4455	04	2.1	11D	SN	C 2.0	3	C			51		F
	PEKG	28	0324E	0330	0341	S13	E65	4455	04	2.0	17D	1N	C 2.0		P	0330		126	2.9	E
	YUNN	28	0328E	0329	0332	S12	E64	4455	04	2.0	4D	SN	C 2.0		P			62	1.4	
0295	LEAR	28	0438	0439	0508	S14	W30	4449	03	25.9	30	SF		3	C			36		
0296		28	08246	08282	0835	N19	E88	4458	04	4.1	11	SB						41		
	KANZ	28	0824	0828	0832	N18	E90	4458	04	4.2	8	SB			2					
	LEAR	28	0827	0828	0833	N19	E85	4458	04	3.8	6	SN			3	C		26		
	CATA	28	0830	0830	0840	N19	E90	4458	04	4.2	10	1			2	C	0830	56		
0297		28	09273	0930	0939	N19	E86	4458	04	3.9	12	1N						42		
	LEAR	28	0927	0930	0939	N19	E81	4458	04	3.6	12	SN			3	C		27		
	CATA	28	0930	0930	0935D	N19	E90	4458	04	4.3	5D	1			2	P	0930	56		
0298	ATHN	28	1027	1028	1034	S11	E08	4456	03	29.0	7	SF		3	V	1028		19	.2	
0299		28	1112	11121	1122	N18	E80	4458	04	3.5	10	1N						80	4.1	
	RAMY	28	1112	1112	1121	N19	E81	4458	04	3.6	9	1N			3	C		79		
	ATHN	28	1112	1113	1123	N18	E79	4458	04	3.5	11	1N			3	V	1113	80	4.1	
0300	RAMY	28	1123	1145	1155	S14	W33	4449	03	26.0	32	SF		3	C			36		
0301	RAMY	28	1213	1226	1257	S14	E59	4455	04	2.0	44	SF	C 2.0	3	C			79		F
0302	RAMY	28	1428	1428	1433	N19	E79	4458	04	3.6	5	SF	C 1.2	3	C			16		
0303		28	1451	14522	1456	N18	E80	4458	04	3.7	5	SN						18		
	RAMY	28	1451	1452	1457	N19	E79	4458	04	3.6	6	SN			3	C		22		
	HOLL	28	1451	1454	1456	N17	E80	4458	04	3.7	5	SF			3	C		15		
0304	RAMY	28	1515	1515	1520	N19	E81	4458	04	3.8	5	SF			3	C		12		
0305		28	17423	17481	1754	S17	E64	4455	04	2.6	12	SF						36		
	RAMY	28	1742	1748	1755	S16	E64	4455	04	2.6	13	SF			3	C		40		
	HOLL	28	1745	1749	1752	S18	E64	4455	04	2.6	7	SF			3	C		32		
0306	HOLL	28	1949	1955	2001	S16	E56	4455	04	2.1	12	SF			3	C		30		
0307	HOLL	28	2157	2158	2220	S16	E56	4455	04	2.2	23	SF			3	C		23		
0308		28	23411	23441	2357	S15	E60	4455	04	2.5	16	SF	C 1.2					36	.5	F
	HOLL	28	2341	2344	2359	S16	E54	4455	04	2.1	18	SN	C 1.2	3	C			40		F
	PALE	28	2342	2344	2357	S15	E63	4455	04	2.7	15	SF	C 1.2	3	C			43		
	MANI	28	2345E	2345	2355	S15	E63	4455	04	2.7	10D	SF	C 1.2	1	V			25	.5	
0309	HOLL	28	2342	2347	2351	S09	E36	4454	03	31.7	9	SF			3	C		23		F
0310	CULG	29	0003	0005	0018	S12	E69	4455	04	3.2	15	1F			C	0005		130		



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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	M	Obs See	Type	Time (UT)	Area Measurement		Remarks		
																		Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)			
0311		29	01582	02001	0228	S13	E55	4455	04	2.2	30	SB	M	2.2					110	1.5	EF	
	MITK	29	0158	0200	0231	S13	E57	4455	04	2.4	33	SB					0200				E	
	PALE	29	0159	0200	0228D	S14	E57	4455	04	2.4	29D	1B	M	2.2	3	C					FE	
	MANI	29	0159E	0200	0228	S14	E57	4455	04	2.4	29D	SN	M	2.2	1	V			83	1.5		
	CULG	29	0159	0201	0223	S12	E57	4455	04	2.4	24	SN					0201		90	1.5	F	
	LEAR	29	0200	0201	0229	S15	E50	4455	04	1.9	29	SB	M	2.2	3	C			156		F	
0312	LEAR	29	0240	0242	0250	N14	E67	4458	04	3.2	10	SF							15			
0313		29	0311*	0312*	0339	S13	E55	4455	04	2.3	28	SF							59	.6	FJ	
	PALE	29	0311	0312	0323	S13	E54	4455	04	2.2	12	SF							33		F	
	CULG	29	0319	0333	0355	S12	E55	4455	04	2.3	36	SF					0333		40	.6	FJ	
	PALE	29	0341	0341U	0407D	S13	E55	4455	04	2.3	26D	SF							104		F	
0314	LEAR	29	0622	0625	0627	S12	W78	4451	03	23.4	5	SF							12			
0315	HTPR	29	0734	0737	0740	S13	E47	4455	04	1.9	6	SF					0737		10	.1		
0316	LEAR	29	0807	0808	0828	S13	E49	4455	04	2.0	21	SN							25		F	
0317	HTPR	29	0827	0842	0900	S12	W77	4451	03	23.5	33	SN					0842		40		E	
0318		29	0838*	0840*	0904	S14	E49	4455	04	2.1	26	SN							36	.6		
	LEAR	29	0838	0840	0845	S14	E48	4455	04	2.0	7	SF							35			
	URUM	29	0840	0853	0921	S15	E49	4455	04	2.1	41	SN							79	1.2		
	HTPR	29	0842	0852	0858	S13	E47	4455	04	1.9	16	SN					0852		20	.3		
	LEAR	29	0850	0853	0907	S14	E48	4455	04	2.0	17	SN							38			
	HTPR	29	0905	0907	0909	S16	E52	4455	04	2.3	4	SN					0907		10	.2		
0319		29	1032	10411	1056	S14	W13	4456	03	28.4	24	1N							158	1.6	D	
	HTPR	29	1032	1042	1056	S13	W13	4456	03	28.4	24	SN							80	.8		
	ABST	29	1038E	1041	1050D	S14	W13	4456	03	28.5	12D	1N							236	2.5	D	
0320		29	1101	1103	1128	S12	W78	4451	03	23.6	27	SF							17			
	HTPR	29	1101	1103	1125	S12	W80	4451	03	23.4	24	SF							20			
	RAMY	29	1124E	1128U	1131	S12	W75	4451	03	23.8	7D	SF							14			
0321	HTPR	29	1130	1153	1208	N21	W81	4443	03	23.3	38	SB							20			
0322		29	11582	12031	1216	S13	E47	4455	04	2.0	18	SN							26	.1		
	RAMY	29	1158	1203	1217	S13	E49	4455	04	2.2	19	SN							43			
	HTPR	29	1200	1204	1214	S13	E45	4455	04	1.9	14	SN					1204		10	.1		
0323		29	14346	1442*	1527	N21	E70	4458	04	4.0	53	1B	C	5.8					101	2.2	EFK	
	HTPR	29	1434	1500	1527	N20	E67	4458	04	3.7	53	1B							100	2.2	E	
	RAMY	29	1437	1442	1523D	N22	E70	4458	04	4.0	46D	SF	C	5.8	3	C			75		K	
	RAMY	29	1437	1459	1523D	N22	E70	4458	04	4.0	46D	1B	C	5.8	3	C			128		FK	
	HOLL	29	1440	1459	1502D	N20	E71	4458	04	4.0	22D	SB							102		F	
0324		29	15104	15151	1526	S14	E44	4455	04	1.9	16	SN							46	.3	E	
	HOLL	29	1510	1515	1525	S15	E43	4455	04	1.9	15	SF							73			
	HTPR	29	1514	1516	1527	S13	E44	4455	04	1.9	13	SN					1516		20	.3	E	
0325		29	16102	1613*	1630	N18	E65	4458	04	3.6	20	SF							23		FK	
	HOLL	29	1610	1613	1628	N17	E63	4458	04	3.5	18	SF							14		K	
	HOLL	29	1610	1624	1628	N17	E63	4458	04	3.5	18	SF							22		FK	
	RAMY	29	1612	1613	1632	N20	E67	4458	04	3.8	20	SF							21		K	
	RAMY	29	1612	1624	1632	N20	E67	4458	04	3.8	20	SN							35		K	
		29	1718		1733	No Flare Patrol																
0326	RAMY	29	1751	1753	1753D	N20	E67	4458	04	3.9	2D	1B	M	2.0	3	C			142		E	
0327	PALE	29	1840	1840	1848D	N19	E64	4458	04	3.7	8D	SF							19			
0328	PALE	29	1840	1842	1848D	S11	W14	4456	03	28.7	8D	SF							24			
0329		29	1954	19562	2013	S10	W12	4456	03	28.9	19	SF							83		F	
	PALE	29	1954	1956	2014	S11	W12	4456	03	28.9	20	SF							76		F	
	RAMY	29	1955E	1958	2012	S10	W13	4456	03	28.8	17D	SF							90			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF/ Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0330	CULG	29	2327	2331	2336	N24	E57	4458	04	3.4	9	SF		C	2331	70	1.4	
0331	PALE	30	0025E	0026U	0035	S14	E51	4455	04	2.9	10D	SF	3	C		78		
0332		30	02093	02122	0222	N21	E59	4458	04	3.6	13	SF C	1.4			45	1.1	F
	URUM	30	0209	0214	0221	N21	E62	4458	04	3.8	12	SF		C		31		
	YUNN	30	0211	0212	0221	N21	E59	4458	04	3.6	10	SN C	1.4	C		46	1.1	
	PALE	30	0212	0213	0223	N20	E56	4458	04	3.4	11	SF C	1.4	3	C	59		F
0333		30	0223*	0226*	0311	S14	E48	4455	04	2.7	48	SF				61	1.1	EFT
	PALE	30	0223	0226	0235	S14	E50	4455	04	2.9	12	SF		3	C	21		
	MANI	30	0224E	0226	0245	S14	E41	4455	04	2.2	21D	SF		1	V	35	.4	F
	URUM	30	0259	0315	0323D	S15	E49	4455	04	2.8	24D	SF			P	79	1.2	ET
	YUNN	30	0305	0324	0327	S15	E49	4455	04	2.8	22	SN			P	108	1.7	
	MITK	30	0307	0317	0358	S15	E50	4455	04	2.9	51	SN			C	0317		E
0334		30	0306	0314	0328D	S15	E47	4455	04	2.7	22D	SN C	4.8			84	.7	F
	URUM	30	0306	0314	0323D	S16	E46	4455	04	2.6	17D	SF			P	47	.7	
	PALE	30	0307E	0316U	0328D	S14	E48	4455	04	2.7	21D	SN C	4.8	3	C	122		F
0335		30	04506	04563	0520	N18	E54	4458	04	3.3	30	1B M	1.1			194	4.2	EFKT
	LEAR	30	0450	0456	0532	N17	E54	4458	04	3.3	42	SB M	1.1	3	C	116		K
	LEAR	30	0450	0459	0532	N17	E54	4458	04	3.3	42	1B M	1.1	3	C	228		FEK
	MITK	30	0455	0458	0513	N19	E56	4458	04	3.5	18	1B			C	0458	110	2.3
	CULG	30	0456	0459	0511	N19	E53	4458	04	3.2	15	1N			C	0459	210	4.0
	YUNN	30	0458E	0458U	0513	N18	E55	4458	04	3.4	15D	2B M	1.1		P	0458	308	6.3
0336		30	0539*	05571	0617	N18	E54	4458	04	3.3	38	1B C	5.9			148	2.9	DJKT
	LEAR	30	0539	0557	0620	N17	E53	4458	04	3.3	41	SB C	5.9	3	C	122		K
	LEAR	30	0539	0558	0620	N17	E53	4458	04	3.3	41	1B C	5.9	3	C	189		K
	MITK	30	0553	0558	0620	N18	E55	4458	04	3.4	27	1B			C	0558	160	3.3
	ABST	30	0554	0558	0613	N20	E57	4458	04	3.6	19	1N			C	0558	114	2.4
	CULG	30	0555	0558	0600D	N20	E53	4458	04	3.3	5D	1B			P	0558	200	3.8
	YUNN	30	0558E	0558U	0614	N18	E55	4458	04	3.4	16D	1B C	5.9		P	0558	185	3.8
	BUCA	30	0559E		0615	N19	E55	4458	04	3.4	16D	SN C	5.9		C	0600	64	1.4
0337	HTPR	30	0829	0830	0834	S19	W29		03	28.1	5	SF			C	0830	10	.1
0338		30	08542	08582	0915	N18	E54	4458	04	3.5	21	1B M	1.2			207	3.8	EFT
	LEAR	30	0854	0858	0916	N18	E52	4458	04	3.3	22	1B M	1.2	3	C	216		
	HTPR	30	0856	0858	0914	N18	E54	4458	04	3.5	18	1B			C	0858	120	2.1
	YUNN	30	0858E	0858U	0913	N18	E54	4458	04	3.5	15D	2B M	1.2		P	0858	308	6.0
	MANI	30	0858E	0900	0917	N18	E55	4458	04	3.6	19D	1B M	1.2	1	V	183	3.4	F
0339	HTPR	30	1240	1247	1250	S10	W20	4456	03	29.0	10	SF			C	1247	20	.2
0340	HTPR	30	1310	1310	1318	N17	E51	4458	04	3.4	8	SB			C	1310	30	.5
0341	HTPR	30	1446	1450	1525	S09	W30	4456	03	28.4	39	SN			C	1450	20	.2
0342	HOLL	30	1535	1535	1538	N21	E54	4458	04	3.8	3	SF		3	C		20	
0343		30	1729	17291	1735	N21	E52	4458	04	3.7	6	SN				26		F
	RAMY	30	1729	1729	1736	N22	E52	4458	04	3.7	7	SN		3	C	29		F
	HOLL	30	1729	1730	1734	N20	E53	4458	04	3.8	5	SF		3	C	24		
0344	HOLL	30	1812	1812	1824	S16	E40	4455	04	2.8	12	SF		3	C		46	
0345		30	2244	22462	2257	N20	E44	4458	04	3.3	13	SN C	2.0			77	1.0	EF
	CULG	30	2244	2246	2256	N20	E42	4458	04	3.1	12	SN			C	2246	50	.7
	PALE	30	2244	2247	2302	N20	E45	4458	04	3.4	18	SB C	2.0	3	C	100		E
	VORO	30	2244	2248	2252	N20	E46	4458	04	3.5	8	SF			C	2248	81	1.2
0346		31	00362	0039*	0108	S14	E36	4455	04	2.7	32	SN				62	.8	
	MANI	31	0036	0039	0053D	S14	E37	4455	04	2.8	17D	SN		1	V	65	.8	
	PALE	31	0038	0057	0108	S14	E36	4455	04	2.7	30	SF		3	C	58		
0347	LEAR	31	0220	0232	0241	N19	E46	4458	04	3.6	21	SF		3	C		62	

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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	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0348		31	03112	03135	0328	N24	E46	4458	04	3.7	17	SN	C	2.0			76	1.3	EK	
	PALE	31	0311	0313	0327D	N24	E46	4458	04	3.7	16D	SN			3	C	60		K	
	CULG	31	0311	0316	0324	N24	E46	4458	04	3.7	13	SN				C	0316	80	1.3	
	PALE	31	0311	0317	0327D	N24	E46	4458	04	3.7	16D	SN	C	2.0	3	C		89		K
	MITK	31	0313	0318	0333	N23	E47	4458	04	3.7	20	SB				C	0318			E
0349		31	0515*	0517*	0543	N22	E45	4458	04	3.7	28	SN	C	1.9			71	1.1	DFJK	
	ABST	31	0515	0517	0520	N23	E46	4458	04	3.8	5	SN				C	0517	87	1.1	D
	LEAR	31	0517	0525	0559	N21	E47	4458	04	3.8	42	SN			3	C		25		K
	LEAR	31	0517	0540	0559	N21	E47	4458	04	3.8	42	SB	C	1.9	3	C		64		FK
	ABST	31	0520	0522	0530	N20	E40	4458	04	3.3	10	SN				C	0522	87	1.3	D
	ABST	31	0529	0531	0545	N23	E46	4458	04	3.8	16	SN				C	0531	87	1.1	D
	ABST	31	0529	0531	0545	N23	E46	4458	04	3.8	16	SN				C	0531	87	1.1	D
	CULG	31	0529	0532	0546D	N24	E43	4458	04	3.5	17D	SF				P	0532	60	.9	J
0350		31	0619*	0619*	0655	N18	E40	4458	04	3.3	36	SN	C	2.3			81	1.4	K	
	LEAR	31	0619	0619	0704	N19	E40	4458	04	3.3	45	SN			3	C		40		K
	LEAR	31	0619	0639	0704	N19	E40	4458	04	3.3	45	SB	C	2.3	3	C		92		K
	YUNN	31	0635	0638	0647	N18	E41	4458	04	3.4	12	SN	C	2.3		C		108	1.6	
	CATA	31	0640E	0640	0645	N18	E41	4458	04	3.4	5D	S			2	P	0640	84	1.3	
0351		31	0737*	07443	0748	N18	E38	4458	04	3.2	11	SN					16			
	LEAR	31	0737	0744	0748	N18	E39	4458	04	3.3	11	SN			3	C		16		
	KANZ	31	0747	0747	0747D	N18	E38	4458	04	3.2	11D	SF			2					
0352		31	08051	08086	0820	N22	E43	4458	04	3.6	15	SB	C	3.0			103	.9	HK	
	CATA	31	0805	0810	0820	N21	E44	4458	04	3.7	15	S			2	C	0810	56	.9	H
	LEAR	31	0806	0808	0823D	N22	E43	4458	04	3.6	17D	SB	C	3.0	3	C		227		HK
	LEAR	31	0806	0814	0823D	N22	E43	4458	04	3.6	17D	SB			3	C		25		K
	KANZ	31	0814E	0814U	0821	N23	E43	4458	04	3.6	7D	SB			2					H
0353		31	1344	1344	1357	N22	E41	4458	04	3.7	13	SN					44		F	
	HOLL	31	1342E	1342U	1400D	N22	E42	4458	04	3.8	18D	SN			3	C		44		F
	KANZ	31	1344	1344	1357	N22	E40	4458	04	3.6	13	SN			2					
0354	RAMY	31	1443	1446	1530	S14	E21	4455	04	2.2	47	SF			3	C		40		
0355	HOLL	31	1517	1540	1558D	N17	E37	4458	04	3.4	41D	SN	C	1.0	3	C		91		
0356	HOLL	31	1554E	1559	1619	N22	E41	4458	04	3.8	25D	SN			3	C		38		
0357		31	17312	1735	1747	N22	E38	4458	04	3.6	16	SB	C	1.0			143		EF	
	RAMY	31	1731	1735	1747	N22	E39	4458	04	3.7	16	SB	C	1.0	3	C		142		FE
	PALE	31	1733	1735	1747	N23	E38	4458	04	3.6	14	SN	C	1.0	3	C		144		
0358	PALE	31	1756	1756	1801	S11	W40	4456	03	28.7	5	SF			3	C		26		
0359		31	1824	1824	1829	S16	E13	4455	04	1.7	5	SF			3	C		55		
		31	19012	19012	1909	N22	E38	4458	04	3.7	8	SF					25			
	HOLL	31	1901	1901	1908	N22	E39	4458	04	3.8	7	SF			3	C		18		
	RAMY	31	1903	1903	1910	N23	E38	4458	04	3.7	7	SF			3	C		32		
0361		31	1933*	1934*	1958	N22	E38	4458	04	3.7	25	SN					36		F	
	HOLL	31	1933	1934	1941	N22	E39	4458	04	3.8	8	SF			3	C		21		
	RAMY	31	1944	1951	2007	N22	E37	4458	04	3.7	23	SN			3	C		57		F
	HOLL	31	1946	1952	2005	N22	E39	4458	04	3.8	19	SN			3	C		35		
	PALE	31	1948	1949	1952D	N24	E37	4458	04	3.7	4D	SN			3	C		31		
0362	RAMY	31	2116	2132	2138	S13	E15	4455	04	2.0	22	SF			3	C		69		
0363	RAMY	31	2133	2135	2143	N22	E36	4458	04	3.7	10	SF			3	C		30		
0364		31	2141	2144	2151	S09	W04	4454	03	31.6	10	SF					24			
	RAMY	31	2141	2144	2150	S09	W04	4454	03	31.6	9	SF			3	C		25		
	PALE	31	2145E	2147U	2152	S09	W04	4454	03	31.6	7D	SF			3	C		23		

H - ALPHA SOLAR FLARES

MARCH 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	1.2	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																		Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0365		31	21593	22047	2229	N22	E36	4458	04	3.7	30	SN	C	1.2					64	1.5	HJK
	HOLL	31	2159	2205	2240	N21	E36	4458	04	3.7	41	SN	C	1.2	3	C			66		HK
	HOLL	31	2159	2211	2240	N21	E36	4458	04	3.7	41	SN			3	C			40		K
	CULG	31	2202	2204	2214	N24	E34	4458	04	3.5	12	SN				C	2204		110	1.5	J H
	PALE	31	2203E	2207U	2223	N24	E36	4458	04	3.7	20D	SN			3	C			40		
0366		31	2223	2240	2254	S12	E20	4455	04	2.4	31	SN							94		F
	HOLL	31	2223	2240	2258	S11	E19	4455	04	2.4	35	SN			3	C			112		F
	PALE	31	2238E	2240U	2249	S12	E20	4455	04	2.4	11D	SN			3	C			77		F

"Remarks":

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