

H α SOLAR FLARES

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Apr 92

APRIL 1992

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	Area Measurement			Remarks		
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)			
			02 1236		1335			No Flare Patrol													
			02 1337		1352			No Flare Patrol													
0019	KANZ	02	1609	1609	1617D	N06	W55	7117	03	29.6	80	SF		2	C						
0020		02	2247E	2354	2405	S08	E66	7123	04	7.9	78D	SF					28			FH	
	HOLL	02	2247E	2330U	2349D	S09	E65	7123	04	7.8	62D	SF		2	E		39				
	HOLL	02	2349E	2354	2405	S06	E68	7123	04	8.1	16D	SF		2	E		16			FH	
0021	HOLL	02	2350	2352	2354	N06	W57	7117	03	29.8	4	SF		3	E		19				
0022	VORO	03	0122	0123	0137	S10	W47	7122	03	30.6	15	SF		2	C	0123	99	1.5		DIJT	
0023	VORO	03	0153	0158	0159D	N02	W80	7117	03	28.2	6D	SF		2	C	0158	63			DIJT	
0024	VORO	03	0155	0158	0159D	S03	W85	7116	03	27.8	4D	SF		2	C	0158	54			DIJT	
0025		03	0623	0726	0842	N12	W24	7124	04	1.4	139	1N					95	1.7		BEFT	
	SVTO	03	0623	0726	0959	N12	W25	7124	04	1.4	216	SF		3	E		95			T	
	ISTA	03	0640E		0725	N13	W23	7124	04	1.5	45D	2N			P					BF	
	ONDR	03	0923E	0923U	0936U	N11	W24	7124	04	1.6	13U	SN			P					1.7	EB
0026		03	0626E	0645	0656	S10	W77	7116	03	28.6	30D	SF					25				
	SVTO	03	0626E	0645	0657	S10	W79	7116	03	28.4	31D	SF		2	E		25				
	KANZ	03	0634E	0634U	0656	S10	W75	7116	03	28.7	22D	SF		2	C						
0027		03	07264	07282	0737	S08	E64	7123	04	8.1	11	SF					22				
	LEAR	03	0726	0728	0736	S08	E64	7123	04	8.1	10	SF		3	E		22				
	KANZ	03	0730	0730	0738	S07	E64	7123	04	8.1	8	SF		2	C						
0028	ONDR	03	1013E	1023U	1033D	N12	W24	7124	04	1.6	20D	SN			P				1.4	EK	
0029		03	1144*	1149*	1214	N12	W28	7124	04	1.4	30	SF					26			F	
	SVTO	03	1144	1149	1215	N12	W29	7124	04	1.3	31	SF		3	E		25			F	
	RAMY	03	1203	1207	1212	N13	W26	7124	04	1.5	9	SF		3	E		27			F	
0030	RAMY	03	1220	1225	1233	N13	W26	7124	04	1.5	13	SF		3	E		43			F	
0031		03	12251	12261	1246	S06	E62	7123	04	8.1	21	SF C 1.8					36			F	
	RAMY	03	1225	1227	1241	S07	E63	7123	04	8.2	16	SF C 1.8		3	E		49			F	
	SVTO	03	1226	1226	1251	S06	E61	7123	04	8.1	25	SF		3	E		23				
0032	SVTO	03	1306	1309	1313	S09	W82	7116	03	28.5	7	SF		3	E		16				
0033	HOLL	03	1415	1416	1424	S15	W62	7122	03	30.0	9	SF		3	E		13				
0034	HOLL	03	1528	1537	1543	S08	W74	7116	03	29.2	15	SF		3	E		11				
0035		03	17382	17401	1810	S10	E65	7123	04	8.6	32	SF					68			F	
	HOLL	03	1738	1741	1832	S10	E65	7123	04	8.6	54	SF		3	E		98			F	
	PALE	03	1740	1740	1747	S10	E65	7123	04	8.6	7	SF		3	E		39			F	
0036	LEAR	04	0038	0046	0118	N12	W34	7124	04	1.5	40	SF		3	E		21				
0037	LEAR	04	0243	0254	0325	S05	E57	7123	04	8.4	42	SF		3	E		42			F	
0038	LEAR	04	0608	0609	0617	N12	W37	7124	04	1.5	9	SF C 1.5		3	E		40			F	
0039	LEAR	04	0849	0852	0915	S05	E53	7123	04	8.3	26	SF C 1.4		3	E		36			F	
0040	SVTO	04	1048	1057	1111	S05	E51	7123	04	8.3	23	SN C 4.0		2	E		55				
			04 1117		1122	No Flare Patrol															
0041	HOLL	04	1357	1434	1451	N13	W40	7124	04	1.6	54	SF		3	E		23			F	
0042		04	18076	18113	1824	S06	E48	7123	04	8.3	17	SF C 2.2					28			F	
	PALE	04	1807	1812	1826	S05	E47	7123	04	8.3	19	SF		3	E		40			F	
	HOLL	04	1808	1811	1818	S06	E48	7123	04	8.3	10	SF C 2.2		3	E		20				
	RAMY	04	1813	1814	1827	S06	E50	7123	04	8.5	14	SF		3	E		23				

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																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0043	HOLL	04	1944	1948	1955	S15	W69	7120	03	30.7	11	SF		3	E		20		
		04	2044		2244	No Flare Patrol													
0044		05	0046	01309	0201	S06	E44	7123	04	8.3	75	1F	C 3.2				127		F
	LEAR	05	0046	0130	0201	S06	E43	7123	04	8.2	75	1F	C 3.2	3	E		139		F
	PALE	05	0123E	0139	02100	S07	E45	7123	04	8.4	47D	1F		3	E		115		F
0045	LEAR	05	0252	0256	0315	S05	E46	7123	04	8.6	23	SF	C 3.2	3	E		30		F
0046	ISTA	05	0758		0820	N12	W52	7124	04	1.4	22	SN			P				E
		05	1004		1009	No Flare Patrol													
0047	SVTO	05	1113	1114	1124	S19	W82	7120	03	30.3	11	SF	C 1.8	3	E		27		
0048	HOLL	05	1531E	1533U	1543D	S19	W79	7120	03	30.7	12D	SF		3	E		11		F
0049	HOLL	05	1630	1644	1757	S20	W73	7126	03	31.1	87	SF	C 3.0	3	E		91		F
0050		05	16517	17035	1737	S06	E40	7123	04	8.7	46	SF	C 2.0				44		F
	RAMY	05	1651	1708	1744	S05	E38	7123	04	8.5	53	SF	C 2.0	3	E		62		F
	PALE	05	1658	1703	1730	S08	E42	7123	04	8.8	32	SF		3	E		25		
0051	HOLL	05	1830	1834	1859	S05	E38	7123	04	8.6	29	SF		2	E		22		
0052	RAMY	05	2013	2014	2022	S05	E36	7123	04	8.5	9	SF		3	E		22		
0053	HOLL	05	2037	2037	2042	S05	E37	7123	04	8.6	5	SF		3	E		28		
		05	2106		2123	No Flare Patrol													
		05	2216		2230	No Flare Patrol													
0054		06	0753E	0753	0820D	S15	E84	7125	04	12.7	27D	1N					84		
	CATA	06	0753E	0753	0820D	S17	E90	7125	04	13.2	27D	1N		1	P	0753	56		
	CATA	06	0753E	0753	0820D	S13	E78	7125	04	12.2	27D	1N		1	P	0753	112		
		06	1011		1024	No Flare Patrol													
		06	1104		1303	No Flare Patrol													
0055	HOLL	06	1403E	1419	1457D	N13	W67	7124	04	1.5	54D	SF		3	E		19		F
0056	HOLL	06	1504	1508	1719	S04	E24	7123	04	8.4	135	SF		3	E		52		
0057	HOLL	06	1814	1817	1823	S14	E73	7125	04	12.3	9	SF	C 1.2	3	E		19		
0058	HOLL	06	1853	1854	1911	N13	W70	7124	04	1.5	18	SF		3	E		15		F
0059	HOLL	06	1855	1901	1925	S04	E22	7123	04	8.4	30	SF		3	E		25		F
0060	HOLL	06	2009	2012	2016	S05	E22	7123	04	8.5	7	SF		3	E		17		F
		06	2100		2106	No Flare Patrol													
0061	HOLL	06	2111	2204	2332	S06	E20	7123	04	8.4	141	1F	C 2.7	3	E		136		
0062	HOLL	06	2116	2116	2124	S17	W89	7126	03	31.1	8	SF	C 1.9	3	E		54		
0063	HOLL	07	0004	0017	0036	S05	E19	7123	04	8.4	32	SF		3	E		26		F
0064	LEAR	07	0134	0134	0145	S05	E20	7123	04	8.6	11	SF		3	E		30		F
0065	LEAR	07	0212	0216	0233	S07	E15	7123	04	8.2	21	SF		3	E		38		F
0066		07	0320E	03316	0402	S06	E16	7123	04	8.3	42D	1N	C 8.1				274	5.2	FU
	LEAR	07	0320E	0331	0403	S07	E14	7123	04	8.2	43D	1N	C 8.1	3	E		101		F
	PALE	07	0321E	0321U	0327D	S06	E15	7123	04	8.3	6D	SF		2	E		45		F
	YUNW	07	0321E	0337	0401	S06	E17	7123	04	8.4	40D	1N			P		461	5.0	
	TACH	07	0331E	0337	0350D	S06	E16	7123	04	8.3	19D	2N		2	C	0337	490	5.3	U

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																Apparent (10-6 Disk)	Corr (Sq Deg)		
		07 0531		0549			No Flare Patrol												
0067	LEAR	07 0652	0705	0712	S05	E17	7123	04	8.5	20	SF		3	E		19			
0068	LEAR	07 0847	0850	0910	S05	E15	7123	04	8.5	23	SF C	1.4	3	E		56		F	
0069		07 0918	09202	0936	S06	E15	7123	04	8.5	18	SF C	1.8				94	1.2	F	
	HTPR	07 0918	0920	0935	S07	E15	7123	04	8.5	17	SF			C	0920	120	1.2	F	
	LEAR	07 0918	0922	0936	S06	E15	7123	04	8.5	18	SF C	1.8	3	E		68		F	
		07 1021		1313			No Flare Patrol												
0070	HOLL	07 1529	1533	1615D	S05	E10	7123	04	8.4	46D	SN C	7.9	3	E		42		F	
0071		07 1722E	1731	1738	S06	E09	7123	04	8.4	16D	1F C	3.1				75		F	
	HOLL	07 1722E	1731	1738	S06	E09	7123	04	8.4	16D	1F C	3.1	2	E		115		F	
	PALE	07 1732E	1749U	1749D	S06	E09	7123	04	8.4	17D	SF		2	E		35		F	
		07 1741		1749			No Flare Patrol												
		07 1755		1819			No Flare Patrol												
		07 1830		1845			No Flare Patrol												
0072	HOLL	07 2002	2002	2006	S04	E65	7127	04	12.7	4	SF		2	E		20			
0073	HOLL	07 2004	2009	2016	S16	E67	7125	04	12.9	12	SF		3	E		16		F	
0074	HOLL	07 2016	2019	2027	S16	E69	7125	04	13.1	11	SF		3	E		44		F	
0075	HOLL	07 2134	2136	2241	S07	E05	7123	04	8.3	67	SF C	1.9	3	E		37		F	
0076	HOLL	07 2241	2243	2248	S15	E57	7125	04	12.3	7	SF		3	E		17			
0077		08 0733	0752	0831	S04	W01	7123	04	8.2	58	1N C	6.2				217	2.6	F	
	LEAR	08 0733	0752	0831	S04	E00	7123	04	8.3	58	1F C	6.2	3	E		134		F	
	ATHN	08 0746E	0746U	0815D	S04	W02	7123	04	8.2	29D	1N		3	V	0746	318	3.3		
	HTPR	08 0818E		0827D	S05	E00	7123	04	8.3	9D	SN			C	0820	200	2.0		
0078	SVTO	08 1026	1030	1109	S14	E52	7125	04	12.4	43	SF C	1.6	3	E		61			
0079		08 1308	1309	1340	S06	W04	7123	04	8.2	32	1N C	4.5				86		F	
	SVTO	08 1308	1309	1340	S06	W03	7123	04	8.3	32	1N C	4.5	3	E		101		F	
	HOLL	08 1311E	1311U	1406D	S07	W05	7123	04	8.2	55D	SF		2	E		70		F	
0080	HOLL	08 1436	1447	1509	S09	W12	7124C	04	7.7	33	SF		3	E		26		FH	
0081	HOLL	08 1512	1514	1518	S07	W12	7123	04	7.7	6	SF		3	E		37			
0082	HOLL	08 1543	1556	1615	S07	W06	7123	04	8.2	32	SF		3	E		17			
0083	PALE	08 1638E	1638U	1650	S07	W13	7123	04	7.7	12D	SF C	1.9	3	E		14		H	
0084		08 17383	17422	1752	S06	W10	7123	04	8.0	14	1N C	2.4				148		EFH	
	HOLL	08 1738	1744	1753	S06	W13	7123	04	7.8	15	1N C	2.4	3	E		107		EH	
	PALE	08 1741	1742	1751	S06	W08	7123	04	8.1	10	1N		3	E		189		FE	
0085		08 2348	2145	2407	S08	W10	7123	04	8.2	19	SF C	1.3				58		FT	
	HOLL	08 2048E	2145	2508D	S07	W10	7123	04	8.1	260D	SF C	1.3	2	E		86		FT	
	PALE	08 2348		2407	S08	W09	7123	04	8.3	19	SF		3	E		31		F	
0086	VORO	08 2353	2403	2411	N04	W16		04	7.8	18	SF		2	C	2403	54	0.6	EIJT	
0087	VORO	09 0034	0035	0044	N01	W19	7123	04	7.6	10	SF		2	C	0035	108	1.2	DIJT	
0088		09 00553	00591	0108	S05	W17	7123	04	7.8	13	SF C	2.0				64	1.5	EHIJT	
	PALE	09 0055	0059	0112D	S05	W16	7123	04	7.8	17D	SN		3	E		42			
	VORO	09 0057	0100	0113	S05	W19	7123	04	7.6	16	SF		2	C	0100	134	1.5	EIJTH	
	LEAR	09 0058	0059	0103	S06	W17	7123	04	7.8	5	SF C	2.0	3	E		15			
0089	LEAR	09 0616	0618	0629	S06	W20	7123	04	7.8	13	SF		3	E		20			

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																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0090	HTPR	09	0650	0652	0710	S10	W20	7123	04	7.8	20	SF			C	0652	60	0.7	H
0091		09	0732	0735	0753	S07	W14	7123	04	8.3	21	1N	C 1.4				102	2.0	?BEFK
	HTPR	09	0732	0735	0755	S06	W12	7123	04	8.4	23	SN		C	0735	100	1.1	E	
	LEAR	09	0732	0736	0756	S06	W15	7123	04	8.2	24	1F	C 1.4	3	E	103			
	ONDR	09	0738E	0738U	0747	S08	W16	7123	04	8.1	90	1N		P			2.8	EKB?F	
0092		09	0805	0811	0828	S10	W22	7123	04	7.7	23	SN	B 9.7				82	1.4	E
	HTPR	09	0805	0811	0830	S10	W22	7123	04	7.7	25	SB		C	0811	140	1.6	E	
	LEAR	09	0809	0813	0825	S11	W21	7123	04	7.7	16	SF	B 9.7	3	E	23			
	ONDR	09	0810E	0810U	0815D	S10	W24	7123	04	7.5	50	SN		P			1.3	E	
0093	HOLL	09	1419	1442	15100	S13	E76	7128	04	15.3	510	SF		3	E		13		
0094	KANZ	09	1547	1551	1603	S07	W26	7123	04	7.7	16	SF		2	C				
0095		09	1619	1619	1627	S16	E38	7125	04	12.6	8	SF					19		
	KANZ	09	1619	1619	1627	S18	E42	7125	04	12.9	8	SF		2	C				
	HOLL	09	1620E	1620U	16240	S15	E34	7125	04	12.2	40	SF		3	E		19		
0096	HOLL	09	2251	2255	2303	S04	W21	7123	04	8.4	12	SF		3	E		17		F
0097	HOLL	09	2333	2358	2411	S10	W29	7123	04	7.8	38	SF		3	E		22		F
0098	PALE	10	0059	0059	0134	S15	E72	7128	04	15.5	35	SF	C 1.2	3	E		32		
0099	PALE	10	0203	0242	0257	S17	E32	7125	04	12.5	54	SF		3	E		26		
0100	PALE	10	0342	0343	0354	S14	E70	7128	04	15.4	12	SF		3	E		35		
0101	YUNN	10	0521E	0530U	0533D	S17	E32	7125	04	12.6	120	SN			P	0530	15	0.2	
0102	KANZ	10	0733	0745	0805	S05	W27	7123	04	8.3	32	SF		2	C				
0103		10	0935	0937	0954	S16	E28	7125	04	12.5	19	SN					70	0.8	E
	HTPR	10	0935	0939	0950	S17	E28	7125	04	12.5	15	SN		C	0939	70	0.8	E	
	KANZ	10	0937	0937	0957	S16	E28	7125	04	12.5	20	SF		2	C				
0104		10	1442	1442	1447	S05	E28	7127	04	12.7	5	SF					11		F
	KANZ	10	1442	1442	1446	S05	E27	7127	04	12.6	4	SF		2	C				
	HOLL	10	1442	1443	1448	S05	E28	7127	04	12.7	6	SF		3	E		11		F
0105		10	1447	1449	1515	S12	E63	7128	04	15.4	28	SF	B 7.3				32		FK
	HOLL	10	1447	1449	1524	S12	E63	7128	04	15.4	37	SF		E			39		K
	HOLL	10	1447	1508	1524	S12	E63	7128	04	15.4	37	SF	B 7.3	3	E		24		F
	KANZ	10	1450	1450	1458	S12	E63	7128	04	15.4	8	SF		2	C				
0106	PALE	10	1726	1728	1730	S06	W34	7123	04	8.2	4	SF		3	E		14		
		10	2133		2204	No Flare Patrol													
0107	HOLL	10	2212E	2217U	2222D	S06	W37	7123	04	8.1	100	SF		3	E		48		F
0108	HOLL	11	0045E	0045U	0055D	S15	E58	7128	04	15.4	100	SF	C 1.3	2	E		30		F
0109	LEAR	11	0408	0409	0423	S06	W40	7123	04	8.2	15	SF	B 6.4	3	E		79		
0110	LEAR	11	0522	0532	0557	S06	W40	7123	04	8.2	35	SF		3	E		47		
0111		11	0727	0731	0741	S10	W45	7123	04	7.9	14	SF							
	KANZ	11	0727	0731	0739	S12	W48	7123	04	7.7	12	SF		2	C				
	KANZ	11	0731	0735	0743	S07	W42	7123	04	8.2	12	SF		2	C				
0112	KANZ	11	1207	1207	1215	S17	E05	7125	04	11.9	8	SF		2	C				
0113	KANZ	11	1247	1255	1307	S17	E46	7128	04	15.0	20	SF		2	C				
0114	HOLL	12	0007	0031	0043	S06	W51	7123	04	8.2	36	SF		3	E		21		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See	Area Measurement Time (UT) (10-6 Disk)	Apparent (Sq Deg)	Corr (Sq Deg)	Remarks
0115	KANZ	12	0646E	0646	0650D	S13 W59	7123	04 7.8	4D	SF	2				
0116	KANZ	12	1353	1353	1357D	S19 W43		04 9.3	4D	SF	2				
0117		12	1527	1529	1542	S16 W10	7125	04 11.9	15	SF			10		FH
	KANZ	12	1526E	1526U	1538	S17 W09	7125	04 11.9	12D	SF	2				
	HOLL	12	1527	1529	1545	S16 W12	7125	04 11.7	18	SF	3		10		FH
0118	HOLL	12	1702	1705	1715	S15 W11	7125	04 11.9	13	SF	3			22	
0119	PALE	13	0039E	0039U	0109D	S05 W63	7123	04 8.3	30D	SF B 9.5	3			22	F
		13	1157		1206										No Flare Patrol
		13	2138		2349										No Flare Patrol
0120	PALE	13	2224	2228	2232	S08 W18	7127	04 12.6	8	SF	4			16	
0121		14	0126	01274	0136	S18 W28	7125	04 11.9	10	SF B 6.1				26	0.2 D
	WATU	14	0126	0127	0131	S19 W28	7125	04 11.9	5	SF		0127		20	0.2 D
	PALE	14	0126	0131	0141	S18 W27	7125	04 12.0	15	SF B 6.1	3			33	
0122		14	06132	0620	0637	S04 W78	7123	04 8.4	24	SF C 1.4				68	H
	HTPR	14	0613	0620	0645	S05 W80	7123	04 8.3	32	1N					
	SVTO	14	0615	0620	0631	S04 W77	7123	04 8.5	16	SF C 1.4	3			68	H
	KANZ	14	0620E	0620U	0636	S03 W77	7123	04 8.5	16D	SF	2				
0123	HTPR	14	0930		1015	S24 E90	7132	04 21.3	45						C
0124		14	1315*	1327*	1352	S23 E75	7132	04 20.3	37	SF C 1.0				17	
	HTPR	14	1315		1400	S24 E75	7132	04 20.3	45	SF					C
	KANZ	14	1324	1327	1340	S21 E78	7132	04 20.5	16	SF	2				C
	SVTO	14	1340	1351	1355	S25 E72	7132	04 20.1	15	SF C 1.0	3			17	E
0125	KANZ	14	1436	1436	1440	N12 W15	7133	04 13.5	4	SF	2				C
0126	HOLL	14	1707E	1715U	1733	S14 E05	7128	04 15.1	26D	SF C 1.7	2			14	E
		14	1726		1757										No Flare Patrol
		14	1801		1824										No Flare Patrol
		14	1830		1856										No Flare Patrol
0127	HOLL	14	1852	1852U	1920	S13 E07	7128	04 15.3	28	SF	4			59	E
		14	1900		2301										No Flare Patrol
0128	HOLL	14	1953	1958	2016	S13 E07	7128	04 15.3	23	SF	3			37	F
0129	LEAR	15	0047	0048	0056	S24 E65	7132	04 20.0	9	SF B 7.8	3			34	E
0130	KAND	15	0810	0810	0814	S17 W05	7128	04 15.0	4	SF		0810		42	0.4 D
		15	0926		0935										No Flare Patrol
		15	0937		0947										No Flare Patrol
		15	0951		1000										No Flare Patrol
		15	1012		1023										No Flare Patrol
0131	CATA	15	1117E	1140	1141D	N03 E70	7134	04 20.7	24D	1N	1	P	1140	141	
0132	HTPR	15	1252E	1300	1325	S25 E60	7132	04 20.2	33D	SN			1300	50	
0133	HOLL	15	1418	1431	1443	N02 E68	7134	04 20.7	25	SF	3			16	
0134	SVTO	15	1427	1427	1442	S26 E57	7132	04 20.0	15	SF	3			44	E
0135		15	14491	14501	1508	S16 W09	7128	04 14.9	19	SF B 9.8				38	
	HOLL	15	1449	1450	1523	S16 W09	7128	04 14.9	34	SF B 9.8	3			52	E
	SVTO	15	1450	1450	1503	S17 W09	7128	04 14.9	13	SF	3			32	E
	RAHY	15	1450	1451	1459	S16 W09	7128	04 14.9	9	SF	3			31	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
								USAF Region							No	Day	Time (UT)		Apparent (10-6 Disk)
0136	HTPR	15	1546E		1552	S24	E57	7132	04	20.1	60	SN			C	1546	40		D
0137	HOLL	15	1744	1744	1749	S03	W41	7127	04	12.7	5	SF		3	E		12		F
0138	PALE	15	1812	1812	1824	S27	E60	7132	04	20.4	12	SF C 1.0	4	E		14			
		15	1853		1926	No Flare Patrol													
0139	HOLL	15	1854	1857	1919	S15	W05	7128	04	15.4	25	SF		3	E		30		
0140	PALE	15	1908	1908	1913	N02	E65	7134	04	20.6	5	SF		4	E		13		H
		15	1946		2234	No Flare Patrol													
0141	PALE	15	1951	1957	2003	S28	E60	7132	04	20.5	12	SF C 1.0	4	E		20			F
0142	PALE	15	2108	2114	2119	N03	E65	7134	04	20.7	11	SF C 1.4	3	E		18			
0143	PALE	15	2111	2112	2123	S26	E60	7132	04	20.5	12	SF		3	E		39		EF
0144	PALE	15	2144	2144	2155	S25	E50	7132	04	19.8	11	SF		3	E		12		H
0145	PALE	15	2233	2234	2237	N02	E65	7134	04	20.8	4	SF		3	E		16		H
0146	PALE	15	2333	2335	2343	S17	W50	7125	04	12.2	10	SF		3	E		17		
0147	VORD	15	2333	2335	2358	S17	W15	7128	04	14.8	25	SB		2	C	2335	125	1.3	DIJT
0148		15	2334	2335	2354	S16	W10	7128	04	15.2	20	SB C 2.8					92		FM
	PALE	15	2334	2335	2352	S17	W13	7128	04	15.0	18	SB C 2.8	3	E			92		M
	LEAR	15	2334	2335	2355	S15	W08	7128	04	15.4	21	SB	3	E			93		F
0149	PALE	15	2359	2402	2404	N02	E63	7134	04	20.7	5	SF		3	E		11		
0150	PALE	16	0009	0009	0015	S26	E57	7132	04	20.4	6	SF		3	E		11		F
0151		16	0239	0244	0253	S14	W10	7128	04	15.3	14	SF C 1.3					40		F
	LEAR	16	0239E	0241U	0252D	S15	W10	7128	04	15.3	13D	SF	3	E			39		
	PALE	16	0239	0244	0253	S13	W09	7128	04	15.4	14	SF C 1.3	3	E			41		F
0152	PALE	16	0323	0325	0335	N02	E61	7134	04	20.7	12	SF C 2.1	3	E		92			
0153	LEAR	16	0421	0424	0438	N04	E59	7134	04	20.6	17	SF C 1.1	3	E		17			
0154	KHAR	16	1045	1105		S16	E85	7135	04	22.9		SF		2	P	1045			
0155	KHAR	16	1045	1110U		S27	E50	7132	04	20.3		SF		2	V	1050			DL
0156	KHAR	16	1119U	1200D		S21	E09	7130	04	17.2		U SF		2	P	1128	160	1.7	EH
		16	1231		1317	No Flare Patrol													
0157	HOLL	16	1424	1425	1427	S26	E45	7132	04	20.1	3	SF		3	E		22		
		16	1614		1634	No Flare Patrol													
		16	1636		1658	No Flare Patrol													
		16	1707		1719	No Flare Patrol													
0158	PALE	16	1713	1730	1739	S20	E04	7130	04	17.0	26	SF C 1.2	3	E		25			F
0159	PALE	16	1716	1716	1736	S26	E45	7132	04	20.2	20	SF		3	E		44		F
0160	PALE	16	1750	1752	1757	S20	E02	7130	04	16.9	7	SF		3	E		13		
0161		16	18263	1829	1904	S20	E04	7130	04	17.1	38	SF C 1.5					52		F
	PALE	16	1826	1829	1850	S20	E06	7130	04	17.2	24	SF		3	E		28		F
	HOLL	16	1829	1829	1918	S20	E03	7130	04	17.0	49	SF C 1.5	3	E		77			

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
							Region	7128							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0162		16 18331	18342	1846	S16	W21	7128	04	15.2	13	SF				22			
	HOLL	16 1833	1834	1847	S16	W24	7128	04	14.9	14	SF	3	E		23			
	PALE	16 1834	1836	1846	S15	W18	7128	04	15.4	12	SF	3	E		20			
		16 1935		1943	No Flare Patrol													
0163		16 2000	2008*	2040	S14	E75	7135	04	22.5	40	SF C 3.9				49		F	
	HOLL	16 2000	2008	2040	S14	E75	7135	04	22.5	40	SF C 3.9	3	E		80		F	
	PALE	16 2029E	2030	2055D	S15	E75	7135	04	22.5	26D	SF	3	E		18			
		16 2020		2257	No Flare Patrol													
0164		16 2358	2402	2410	S16	W24	7128	04	15.2	12	SF				15			
	LEAR	16 2358		2411	S15	W20	7128	04	15.5	13	SF	3	E		12			
	PALE	17 0002E	0002	0008	S18	W27	7128	04	14.9	6D	SF	3	E		18			
0165	PALE	17 0036	0037	0048	S16	W22	7128	04	15.3	12	SF	3	E		14			
0166		17 0054	01049	0131	N04	E48	7134	04	20.6	37	SN				20		0.2	
	PALE	17 0054	0104	0137	N03	E48	7134	04	20.6	43	SF	3	E		26			
	YUNN	17 0112E	0113	0125	N05	E48	7134	04	20.6	13D	SN		P		15		0.2	
0167		17 01081	01093	0116	S25	E44	7132	04	20.4	8	SF C 1.6				20		0.2	
	LEAR	17 0108	0111	0119	S25	E45	7132	04	20.5	11	SF C 1.6	3	E		27			
	PALE	17 0109	0109	0113	S26	E44	7132	04	20.5	4	SF	3	E		19			
	YUNN	17 0112E	0112	0116	S25	E44	7132	04	20.4	4D	SN		P		15		0.2	
0168	YUNN	17 0112	0122	0140	S16	W27	7128	04	15.0	28	SN		C		15		0.2	
0169		17 03221	03241	0334	S18	W00	7130	04	17.1	12	SF				38		F	
	PALE	17 0322	0325	0336	S19	W01	7130	04	17.1	14	SF	3	E		52		F	
	LEAR	17 0323	0324	0333	S18	E00	7130	04	17.1	10	SF	3	E		24		F	
0170	PALE	17 0324	0330	0352	S18	E79	7135	04	23.1	28	SF	3	E		21			
0171	LEAR	17 0500	0500	0510	S15	W23	7128	04	15.5	10	SF C 3.2	3	E		41			
0172	WATU	17 0510	0511	0514	S19	W06	7130	04	16.7	4	SF		C	0511	20		0.2 E	
0173	URUM	17 0553	0602	0614	N03	E43	7134	04	20.4	21	SF		C		16		0.2 E	
0174	HTPR	17 0623	0637	0825	S18	E78	7135	04	23.2	122	1B		C				KT	
0175	ISTA	17 0715		0726	S18	W05	7130	04	16.9	11	SN		P				E	
0176	HTPR	17 0732		0742	S19	E90	7137	04	24.2	10	SF		C				T	
0177		17 07381	0742	0751	S16	W30	7128	04	15.0	13	SN				60		0.7 D	
	HTPR	17 0738	0742	0755	S17	W32	7128	04	14.9	17	SN		C	0742	60		0.7 D	
	ISTA	17 0739		0747	S16	W28	7128	04	15.2	8	SN		P				D	
0178	HTPR	17 0805		0845	S19	E90	7137	04	24.2	40	SF		C				T	
0179	LEAR	17 0805	0809	0816	S16	E78	7135	04	23.2	11	SF	3	E		54			
0180	ISTA	17 0835		0905	S17	E80	7135	04	23.4	30	SF		P				E	
0181		17 09435	0952	1004	S18	E90	7137	04	24.2	21	1N						HLT	
	HTPR	17 0943		1005	S19	E90	7137	04	24.3	22	1N		C				T	
	KHAR	17 0948	0952	1002	S18	E90	7137	04	24.3	14	SN	2	V				HL	
0182	KHAR	17 1158	1202D		S18	E90	7137	04	24.3		SF	2	V				HL	
0183	RAMY	17 1527	1528	1537	S24	E32	7132	04	20.1	10	SF	3	E		45			
0184		17 1600	1609	1618	S16	E72	7135	04	23.1	18	SF				13			
	HOLL	17 1600	1609	1615	S17	E72	7135	04	23.1	15	SF	3	E		13			
	KANZ	17 1613E	1613U	1621	S16	E72	7135	04	23.1	8D	SF	2	C					
		17 1606		1612	No Flare Patrol													

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Area Time (UT)	Measurement		Remarks
														Apparent (10-6 Disk)	Corr (Sq Deg)	
0185	HOLL	17	1654	1702	1709	S17 E72	7135	04 23.2	15	SF		3	E	17		
0186	HOLL	17	1657	1704	1815	S14 W32	7128	04 15.3	78	SF		3	E	34		F
		17	1702		1710	No Flare Patrol										
0187	HOLL	17	1718	1737	1806	N03 E33	7134	04 20.2	48	SF		3	E	50		F
		17	1728		2254	No Flare Patrol										
0188	HOLL	17	1814	1825	1904	S16 E71	7135	04 23.1	50	SF C 4.4		3	E	68		
0189		17	2130*	21542	2302	S16 E72	7135	04 23.3	92	2N C 5.1				242		EF
	PALE	17	2130	2156	2312	S16 E74	7135	04 23.5	102	2N C 5.1		3	E	317		F
	HOLL	17	2143	2154	2252	S17 E69	7135	04 23.1	69	1N		3	E	166		E
0190		17	22592	23041	2324	S15 W36	7128	04 15.2	25	SN				50		EF
	HOLL	17	2259	2304	2328	S16 W39	7128	04 15.0	29	SN		3	E	48		FE
	LEAR	17	2301	2305	2320	S14 W33	7128	04 15.5	19	SN		2	E	52		F
0191		17	2303	2313*	2350	S16 E68	7135	04 23.1	47	SF M 1.1				71		FH
	HOLL	17	2303	2330	2356	S17 E69	7135	04 23.2	53	SF M 1.1		3	E	59		F
	LEAR	17	2305E	2313	2345	S16 E67	7135	04 23.0	400	SF		2	E	83		FH
0192	LEAR	17	2325	2333	2343	S18 E81	7137	04 24.1	18	SF		3	E	26		
0193		17	2344	23451	2414	S27 E30	7132	04 20.3	30	SF				25		F
	LEAR	17	2344	2345	2401	S26 E30	7132	04 20.3	17	SF		3	E	25		F
	HOLL	17	2344	2346	2428	S28 E31	7132	04 20.4	44	SF		3	E	25		F
0194	YUNN	18	0200E	0202	0213	S17 W14	7130	04 17.0	130	SN			P	15	0.2	
0195		18	0317	0319	0337	S16 E67	7135	04 23.2	20	1N C 4.0				69		F
	YUNN	18	0316E	0327U	03360	S16 E67	7135	04 23.2	200	1N			P	0327	123	
	LEAR	18	0317	0319	0337	S16 E67	7135	04 23.2	20	SF C 4.0		3	E	15		F
0196	KANZ	18	0629	0633	0653	S29 E25	7132	04 20.2	24	SF		2	C			
0197		18	0730*	08072	0830	S15 E65	7135	04 23.2	60	SN C 3.6				49		FU
	ISTA	18	0730		08300	S13 E66	7135	04 23.3	600	1B			P			FU
	LEAR	18	0758	0807	0834	S16 E65	7135	04 23.3	36	SF C 3.6		3	E	49		
	KANZ	18	0801	0809	0825	S16 E65	7135	04 23.3	24	SF		2	C			
0198	YUNN	18	0745	0800	0818	N12 E89	7138	04 25.0	33				C			A
		18	0947		0956	No Flare Patrol										
		18	1003		1008	No Flare Patrol										
		18	1019		1031	No Flare Patrol										
		18	1033		1038	No Flare Patrol										
0199	RAMY	18	1042	1044	1053	S27 E23	7132	04 20.2	11	SF C 4.0		2	E	26		F
0200		18	11492	11533	1227	S17 E64	7135	04 23.3	38	SF C 8.5				72		F
	KANZ	18	1149	1153	1221D	S16 E63	7135	04 23.3	320	SF		2	C			
	RAMY	18	1151	1156	1227	S18 E64	7135	04 23.4	36	SF C 8.5		4	E	72		F
0201		18	14481	14491	1458	S19 E77	7137	04 24.5	10	SF				28		
	HOLL	18	1448	1449	1501	S20 E77	7137	04 24.5	13	SF		3	E	36		
	KANZ	18	1449		14490	S18 E75	7137	04 24.3	130	SF		2	C			
	RAMY	18	1449	1450	1456	S19 E78	7137	04 24.6	7	SF		4	E	19		
0202	HOLL	18	1618	1620	1635	S21 E75	7137	04 24.4	17	SF		3	E	15		F
0203	HOLL	18	1653	1656	1713	S26 E18	7132	04 20.1	20	SF		3	E	51		F
0204		18	1709*	1722	1800	N06 E74	7138	04 24.2	51	SF				31		F
	HOLL	18	1709	1722	1834	N06 E73	7138	04 24.2	85	SF		3	E	46		F
	RAMY	18	1721	1722	1727	N06 E76	7138	04 24.4	6	SF		3	E	16		F

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Grp #	Sta	Start Day (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)	Corr (Sq Deg)		
0205		18 1723	1735	1745	S04	E78	7135A	04 24.5	22	SF				45				
	HOLL	18 1720E	1736	1739D	S04	E78	7135A	04 24.5	19D	SF		3	E	63				
	RAMY	18 1723	1735	1745	S04	E79	7135A	04 24.6	22	SF		2	E	27				
0206	HOLL	18 1726	1800	1817	S28	E20	7132	04 20.3	51	SF		3	E	54			F	
		18 1758		1841	No Flare Patrol													
		18 1854		1922	No Flare Patrol													
0207	HOLL	18 1943	1947	2004	S16	E57	7135	04 23.1	21	SF		3	E	28			F	
0208	HOLL	18 2023	2029	2034	N13	E78	7138	04 24.7	11	SF		3	E	61				
0209	HOLL	18 2029	2035	2116D	S19	E73	7137	04 24.4	47D	1F		3	E	103				
0210	HOLL	18 2056	2101	2116D	S28	E16	7132	04 20.1	20D	SF		3	E	35			F	
		18 2153		2307	No Flare Patrol													
0211		19 0021*	00547	0154	S19	E70	7137	04 24.3	93	SN				26				
	LEAR	19 0021	0101	0237	S18	E72	7137	04 24.5	136	SF		3	E	36				
	YUNN	19 0047	0054	0110	S20	E69	7137	04 24.3	23	SN			C	15				
0212		19 02072	0210	0224	N15	E81	7138	04 25.2	17	SN	C 3.9			46			D	
	YUNN	19 0207	0210	0224	N15	E84	7138	04 25.4	17	SN			C	15				
	PEKG	19 0208	0210	0225	N14	E80	7138	04 25.1	17	1B			P	84	0210		D	
	LEAR	19 0209	0210	0222	N15	E78	7138	04 25.0	13	SF	C 3.9	3	E	39				
0213		19 0220	0225	0228	S18	E52	7135	04 23.0	8	SB				28		0.4	D	
	PEKG	19 0220	0225	0230	S18	E52	7135	04 23.0	10	SB			P	42	0225	0.7	D	
	YUNN	19 0224E	0224U	0226	S17	E51	7135	04 23.0	2D	SN			P	15	0224	0.2		
0214	LEAR	19 0401	0401	0405	S18	E70	7137	04 24.5	4	SF		3	E	25				
0215	LEAR	19 0506	0510	0517	S16	E52	7135	04 23.1	11	SF		3	E	33			F	
0216	LEAR	19 0634	0635	0639	S18	E69	7137	04 24.5	5	SF	C 2.4	3	E	26			F	
0217	LEAR	19 0647	0647	0657	S16	E53	7135	04 23.3	10	SF	C 2.7	3	E	40			F	
0218		19 0725*	0728*	0808	S16	E46	7135	04 22.8	43	SN	C 4.0			29		0.3	EFZ	
	WATU	19 0725	0728	0807	S16	E40	7135	04 22.3	42	SN			C	20	0728	0.3	EZ	
	LEAR	19 0759	0801	0809	S15	E51	7135	04 23.2	10	SF	C 4.0	3	E	38			F	
0219		19 0728	0731U	0758	S28	E10	7132	04 20.1	30	SN				31		0.4		
	YUNN	19 0728	0736U	0758	S28	E10	7132	04 20.1	30	SN			P	31	0736	0.4		
	KANZ	19 0731E	0731U	0809D	S28	E09	7132	04 20.0	38D	SF		2	C					
0220	LEAR	19 0837	0840	0845	N15	E74	7138	04 25.0	8	SF	C 3.8	3	E	58				
		19 1026		1055	No Flare Patrol													
0221	RAMY	19 1056E	1056U	1108	S20	E50	7135	04 23.3	12D	1F	C 3.4	1	E	120			F	
		19 1303		1315	No Flare Patrol													
0222		19 1334	1349	1425	S16	E47	7135	04 23.1	51	SF	C 2.9			45			F	
	RAMY	19 1334	1349	1425	S16	E48	7135	04 23.2	51	SF	C 2.9	4	E	39			F	
	HOLL	19 1355E	1406U	1420D	S17	E46	7135	04 23.1	25D	SF	C 3.9	3	E	51			F	
0223	HOLL	19 1440E	1454U	1517D	S19	W36	7130	04 16.9	37D	SF		3	E	25			F	
0224		19 15323	15401	1547	S28	E04	7132	04 19.9	15	SF	C 2.2			25			F	
	HOLL	19 1532	1541	1551	S28	E04	7132	04 19.9	19	SF		3	E	38			F	
	RAMY	19 1535	1540	1543	S27	E05	7132	04 20.0	8	SF	C 2.2	4	E	12			F	
0225	RAMY	19 1619	1624	1652	S16	E45	7135	04 23.1	33	SF	C 5.7	3	E	46			FU	
0226	HOLL	19 1658	1731	1748	S20	E45	7135	04 23.1	50	SN	C 3.2	3	E	77			EF	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks	
											Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0227		19	1801	18046	1823	S16 E46 7135	04 23.2	22	SN C 7.5			85		F	
	HOLL	19	1801	1804	1819	S16 E45 7135	04 23.2	18	SB C 7.5	3	E	87			
	PALE	19	1802E	1810	1818	S15 E49 7135	04 23.5	160	SF	3	E	90		F	
	RAMY	19	1805E	1805	1832	S18 E45 7135	04 23.2	270	SN	3	E	77		F	
0228	HOLL	19	2131	2132	2141	S26 E02 7132	04 20.0	10	SF	3	E	28		F	
0229	HOLL	19	2132	2133	2137	S16 E40 7135	04 22.9	5	SF	3	E	19		F	
		19	2205		2244	No Flare Patrol									
0230		19	2233E	2240U	2252	S27 E04 7132	04 20.2	190	SF			34		F	
	HOLL	19	2233E	2241U	2337D	S27 E04 7132	04 20.2	640	SF	3	E	49		F	
	PALE	19	2240E	2240U	2252	S27 E04 7132	04 20.2	120	SF	3	E	18		F	
0231		19	2309*	2311*	2330	S16 E41 7135	04 23.1	21	SF C 3.0			37		EF	
	PALE	19	2309	2311	2337	S17 E42 7135	04 23.1	28	SN C 3.0	3	E	69		FE	
	LEAR	19	2311E	2313U	2317	S16 E40 7135	04 23.0	60	SF C 3.2	3	E	21			
	LEAR	19	2331	2331	2337	S16 E40 7135	04 23.0	6	SF	3	E	22			
0232		19	2340	2342	2351	S16 E40 7135	04 23.0	11	SF			22			
	LEAR	19	2340	2342	2351	S16 E40 7135	04 23.0	11	SF	3	E	20			
	HOLL	19	2341E	2342U	2347D	S16 E39 7135	04 22.9	60	SF	2	E	24			
0233		20	00236	00246	0057	S16 E42 7135	04 23.2	34	SF C 2.1			47		F	
	PALE	20	0023	0024	0056	S16 E44 7135	04 23.3	33	SF C 2.1	3	E	30		F	
	LEAR	20	0029	0030	0058	S16 E39 7135	04 23.0	29	SF	3	E	64			
0234	LEAR	20	0146	0155	0200	S16 E38 7135	04 22.9	14	SF C 2.6	3	E	41			
0235	LEAR	20	0247	0249	0252	S16 E38 7135	04 23.0	5	SF C 1.8	3	E	19			
0236		20	03061	03064	0317	N14 E62 7138	04 24.8	11	SF C 2.0			20			
	PALE	20	0306	0306	0321D	N14 E60 7138	04 24.7	150	SF	3	E	10			
	LEAR	20	0307	0310	0317	N15 E63 7138	04 24.9	10	SF C 2.0	3	E	31			
0237		20	03291	03321	0340	N14 E60 7138	04 24.7	11	SN			24	0.3		
	LEAR	20	0329	0332	0339	N16 E62 7138	04 24.8	10	SF	3	E	34			
	YUNN	20	0330	0333	0342	N12 E58 7138	04 24.5	12	SN		C	15	0.3		
0238		20	0333	03388	0404	S17 E39 7135	04 23.1	31	1N C 6.9			71	0.3	EF	
	YUNN	20	0327E	0343U	0359D	S17 E39 7135	04 23.1	320	SN		P	0343	15	0.2	
	LEAR	20	0333	0338	0408	S17 E40 7135	04 23.2	35	1N C 6.9	3	E	132		F	
	PALE	20	0337E	0337U	0344D	S16 E37 7135	04 22.9	70	1N	2	E	106		FE	
	URUM	20	0346E	0346	0359	S19 E41 7135	04 23.3	130	SN		C	32	0.4	E	
0239		20	0519	0524	0553	S16 E37 7135	04 23.0	34	SN M 1.0			106	1.6	FH	
	LEAR	20	0519	0524	0559	S16 E37 7135	04 23.0	40	SN M 1.0	3	E	90		FH	
	YUNN	20	0532E	0533U	0547	S17 E37 7135	04 23.0	150	SN		P	0533	123	1.6	
0240	LEAR	20	0543	0543	0552	S16 E60 7139	04 24.8	9	SF	3	E	12			
0241	LEAR	20	0627	0628	0632	S16 E36 7135	04 23.0	5	SF	3	E	30			
0242	CATA	20	0634E	0638	0645	N16 E59 7138	04 24.7	110	SB	1	P	0638	56	1.2	
0243		20	06331	06561	0734	S16 E38 7135	04 23.1	61	SF C 3.6			67		F	
	LEAR	20	0633	0657	0717	S16 E36 7135	04 23.0	44	SF	3	E	38			
	SVTO	20	0634	0656	0750	S15 E39 7135	04 23.2	76	SF C 3.6	3	E	96		F	
0244	ABST	20	0654	0656	0702	N17 E35 7136	04 22.9	8	SF		C	0656	105	1.4	D
0245		20	08087	08159	0837	S16 E35 7135	04 23.0	29	SN C 5.7			116	0.9	EF	
	LEAR	20	0808	0823	0847	S16 E35 7135	04 23.0	39	SF	3	E	98		F	
	KANZ	20	0811	0815	0815D	S16 E34 7135	04 22.9	40	SN	2	C				
	SVTO	20	0815	0824	0827	S17 E35 7135	04 23.0	12	1F C 5.7	3	E	133		F	
	ONDR	20	0836E	0836U	0856U	S17 E35 7135	04 23.0	200	SN		P		0.9	E	
0246	SVTO	20	1049	1049	1057	S19 E51 7137	04 24.3	8	SF	3	E	11			

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
					Lat	Cmd	Region								Apparent (10-6 Disk)	Corr (Sq Deg)	
0247		20 1102*	1106*	1139	S16	E34	7135	04 23.0	37	SN	C 8.6			75		FK	
	SVTO	20 1102	1108	1216D	S16	E32	7135	04 22.9	74D	1N				122		K	
	SVTO	20 1102	1148	1216D	S16	E32	7135	04 22.9	74D	SN	C 8.6	3	E	74		F	
	RAMY	20 1106	1106	1138	S17	E35	7135	04 23.1	32	SN	C 7.1	2	E	70		F	
	KANZ	20 1108E	1108	1124	S16	E33	7135	04 23.0	16D	SN		2	C				
	KANZ	20 1143	1148	1156D	S15	E37	7135	04 23.3	13D	SF		2	C				
	RAMY	20 1145	1146	1154	S16	E36	7135	04 23.2	9	SF		3	E	33		F	
0248		20 11525	11571	1202	S17	E53	7137	04 24.5	10	SF				42			
	SVTO	20 1152	1157	1214D	S17	E54	7137	04 24.6	22D	SF		3	E	45			
	KANZ	20 1156		1156D	S16	E52	7137	04 24.4	22D	SF		2	C				
	RAMY	20 1157	1158	1202	S18	E53	7137	04 24.5	5	SF		3	E	40			
0249	KANZ	20 1156	1156	1211	S17	E03		04 20.7	15	SF		2	C				
0250	SVTO	20 1222	1224	1243D	S16	E35	7135	04 23.2	21D	SF	C 2.0	3	E	17			
0251		20 14132	14141	1427	N13	E57	7138	04 24.9	14	SF				18		F	
	HOLL	20 1413	1414	1427	N12	E57	7138	04 24.9	14	SF		3	E	18		F	
	KANZ	20 1415	1415	1427	N14	E57	7138	04 24.9	12	SF		2	C				
0252		20 15061	15072	1514	S16	E30	7135	04 22.9	8	SF				26			
	SVTO	20 1506	1509	1514	S16	E31	7135	04 23.0	8	SF		3	E	31			
	KANZ	20 1507	1507	1515	S16	E30	7135	04 22.9	8	SN		2	C				
	HOLL	20 1507	1509	1512	S16	E30	7135	04 22.9	5	SF		3	E	21			
0253		20 16123	1613	1624	S17	E50	7137	04 24.5	12	SF	C 1.8			31		F	
	HOLL	20 1612	1613	1624	S17	E50	7137	04 24.5	12	SF	C 1.8	3	E	31		F	
	KANZ	20 1615		1615D	S17	E51	7137	04 24.5	12D	SF		2	C				
0254	HOLL	20 1653	1700	1712	S17	E32	7135	04 23.1	19	SF		3	E	13			
		20 1708		1716	No Flare Patrol												
0255	PALE	20 1740	1748	1756	N09	W61	7131	04 16.1	16	SF		3	E	13			
0256	PALE	20 1816	1820	1829	S16	E34	7135	04 23.3	13	SF		3	E	15			
0257		20 18183	1822	1836	N14	E54	7138	04 24.8	18	SF				23		F	
	HOLL	20 1818	1822	1839	N14	E53	7138	04 24.8	21	SF		3	E	30			
	PALE	20 1821	1822	1834	N13	E54	7138	04 24.8	13	SF		3	E	16		F	
0258		20 18553	19002	1952	S16	E31	7135	04 23.1	57	1N	C 5.9			95		EF	
	HOLL	20 1855	1900	2001	S17	E31	7135	04 23.1	66	1N	C 5.9	3	E	103		FE	
	PALE	20 1857	1901	2010	S16	E32	7135	04 23.2	73	1N		3	E	139		F	
	RAMY	20 1858	1902	1925	S16	E29	7135	04 23.0	27	SF		3	E	44		F	
0259		20 19071	19201	1940	S27	W09	7132	04 20.1	33	SF				86		F	
	HOLL	20 1907	1920	1943	S28	W09	7132	04 20.1	36	SF		3	E	80		F	
	PALE	20 1907	1921	1938	S27	W08	7132	04 20.2	31	1F		3	E	144		F	
	RAMY	20 1908	1921	1938	S25	W10	7132	04 20.0	30	SF		3	E	34		F	
		20 1949		2021	No Flare Patrol												
0260		20 20228	20389	2134	S16	E29	7135	04 23.0	72	SF	C 3.0			25		FK	
	HOLL	20 2022	2044	2053	S17	E30	7135	04 23.1	31	SF		2	E	41		F	
	PALE	20 2030	2038	2155	S16	E28	7135	04 23.0	85	SF				21		K	
	PALE	20 2030	2047	2155	S16	E28	7135	04 23.0	85	SF	C 3.0	3	E	14		F	
		20 2058		2118	No Flare Patrol												
		20 2201		2249	No Flare Patrol												
0261	HOLL	20 2212	2215	2239	S16	E31	7135	04 23.3	27	SF	C 3.0	2	E	24			
		20 2251		2335	No Flare Patrol												
0262	LEAR	20 2324	2327	2407	S16	E29	7135	04 23.2	43	SF		3	E	49		F	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks		
								Region	Mo Day						Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)			
0263		21	00471	0059	0124	S16	E28	7135	04	23.1	37	SN	C	7.1		40	0.4	F		
	YUNN	21	0047	0103U	0120	S17	E27	7135	04	23.1	33	SN			P	0103	31	0.4		
	LEAR	21	0048	0059	0128	S16	E28	7135	04	23.1	40	SF	C	7.1	3	E	48		F	
0264	LEAR	21	0157	0201	0207	S22	E45	7137	04	24.5	10	SF				3	E	25		F
0265		21	04108	04196	0443	S17	E27	7135	04	23.2	33	SN	C	5.7			137	1.8	DEFU	
	WATU	21	0410	0419	0450	S16	E27	7135	04	23.2	40	SF			C	0418	20	0.2	E	
	LEAR	21	0412	0421	0445	S16	E26	7135	04	23.1	33	SF	C	5.7	3	E	52		F	
	YUNN	21	0414E	0424	0435D	S17	E27	7135	04	23.2	21D	SN			P	154	1.8			
	URUM	21	0415	0420	0442	S17	E28	7135	04	23.3	27	SN			C	64	0.8	E		
	PEKG	21	0418	0425	0435	S18	E29	7135	04	23.4	17	SF			P	0425	126	1.5	D	
	TACH	21	0436E		0508D	S17	E25	7135	04	23.1	32D	1N			2	C	0436	408	4.8	U
0266	URUM	21	0454	0500	0515	N18	E20	7136	04	22.7	21	SF				C	32	0.4	E	
0267		21	05255	05326	0554	S21	E21	7135	04	22.8	29	SN	C	4.0			94	0.8	EF	
	URUM	21	0525	0532	0532	S23	E21	7135	04	22.8	7	SF			C	80	0.9	F		
	LEAR	21	0529	0534	0551	S19	E24	7135	04	23.1	22	1N	C	4.0	3	E	163		F	
	WATU	21	0529	0538	0538D	S21	E18	7135	04	22.6	9D	SF			P	0538	40	0.4	E	
	MITK	21	0530	0536	0622	S21	E19	7135	04	22.7	52	SN			C	0536			E	
	YUNN	21	0545E	0545U	0553	S21	E21	7135	04	22.8	8D	SN			P	0545	92	1.1		
0268		21	0614E	0618*	0641	N16	E46	7138	04	24.7	27D	SN				44	0.7	E		
	KANZ	21	0614E	0618	0638	N16	E46	7138	04	24.7	24D	SF			2	C				
	URUM	21	0620E	0622	0630	N15	E46	7138	04	24.7	10D	SN				C	32	0.5	E	
	CATA	21	0628E	0635	0656	N16	E46	7138	04	24.7	28D	SB			1	P	0635	56	0.9	
0269		21	0723*	0726*	0744	S28	W16	7132	04	20.0	21	SN				64	0.8	DF		
	HTPR	21	0723	0727	0743	S27	W15	7132	04	20.1	20	SN			C	0727	110	1.3		
	LEAR	21	0725	0732	0740	S28	W15	7132	04	20.1	15	SF			3	E	42		F	
	YUNN	21	0726E	0726U	0744	S28	W17	7132	04	20.0	18D	SN			P	0726	46	0.5		
	SVTO	21	0726	0726	0750	S29	W15	7132	04	20.1	24	SF			3	E	57			
	KANZ	21	0726	0730	0746	S28	W15	7132	04	20.1	20	SF			2	C				
	ONDR	21	0736	0737	0741	S29	W17	7132	04	20.0	5	SN			P			0.6	D	
0270		21	0806	08034	0842	S16	E24	7135	04	23.1	36	1F				85		FZ		
	LEAR	21	0803E	0803	0839	S15	E25	7135	04	23.2	36D	1F			3	E	127		F	
	SVTO	21	0806	0807	0845	S16	E24	7135	04	23.1	39	SF			3	E	43		FZ	
0271		21	0907*	0924*	0954	S17	E22	7135	04	23.0	47	SN	C	4.9		53	1.1	EFK		
	LEAR	21	0907	0930	0935D	S16	E22	7135	04	23.0	28D	SF			2	E	43		F	
	SVTO	21	0913	0924	1005	S18	E18	7135	04	22.7	52	SN	C	4.9	3	E	52		F	
	KANZ	21	0914	0934	0950	S17	E23	7135	04	23.1	36	SN			2	C				
	HTPR	21	0920	0925	1005	S15	E22	7135	04	23.0	45	SF			C	0925	90	1.0		
	ONDR	21	0923	0925	0944	S16	E23	7135	04	23.1	21	1N			P			2.4	EFK	
	URUM	21	0933E	0934	0945	S18	E22	7135	04	23.1	12D	SN			C	48	0.5	E		
	YUNN	21	0935E	0935U	0939D	S17	E22	7135	04	23.1	4D	SN			P	0935	31	0.4		
0272		21	10102	10131	1028	S16	E24	7135	04	23.2	18	SF	C	2.0		31		F		
	KANZ	21	1010	1014	1030	S16	E24	7135	04	23.2	20	SF			2	C				
	SVTO	21	1012	1013	1025	S16	E23	7135	04	23.2	13	SF	C	2.0	3	E	31		F	
0273	SVTO	21	1011	1011	1017	S23	E74	7142	04	27.1	6	SF			3	E	12			
0274		21	11123	11153	1148	N14	E46	7138	04	24.9	36	SN	C	1.7		86	1.6	D		
	HTPR	21	1112	1116	1145	N13	E47	7138	04	25.0	33	SF			C	1116	100	1.5	D	
	SVTO	21	1113	1116	1153	N14	E46	7138	04	24.9	40	SF	C	1.7	3	E	47			
	KANZ	21	1114	1118	1146	N14	E45	7138	04	24.9	32	SF			2	C				
	CATA	21	1115	1115	1126D	N15	E46	7138	04	24.9	11D	SB			1	P	1115	112	1.8	
0275	HOLL	21	1318	1334	1353	S20	E36	7137	04	24.3	35	SF			3	E	13		F	
0276	HOLL	21	1355	1357	1401	S19	E20	7135	04	23.1	6	SF			3	E	15			
0277	HOLL	21	1446	1450	1454	S17	E19	7135	04	23.0	8	SF			3	E	12		F	
0278	HOLL	21	1525	1545	1551	S17	E18	7135	04	23.0	26	SF			3	E	19		F	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CND	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10-6 Disk)	Corr (Sq Deg)		
0279	HOLL	21	1555	1558	1603	S17 E19	7135	04	23.1	8	SF		3	E		15		F	
0280	HOLL	21	1620	1624	1630	S15 E13	7135	04	22.7	10	SF		3	E		21		F	
0281		21	16438	16511	1713	S16 E18	7135	04	23.1	30	SN C 6.7					36		F	
	HOLL	21	1643	1651	1736	S17 E18	7135	04	23.1	53	SN C 6.7		3	E		62		F	
	SVTO	21	1650E	1650U	1659D	S16 E16	7135	04	22.9	9D	SF		1	E		15		F	
	PALE	21	1650	1652	1703	S17 E18	7135	04	23.1	13	SN		3	E		49		F	
	RAMY	21	1651	1652	1659	S16 E19	7135	04	23.1	8	SF		3	E		18		F	
0282	HOLL	21	1653	1654	1701	S22 E72	7142	04	27.2	8	SF		3	E		10			
0283	PALE	21	1708	1709	1724	S18 W63	7130	04	16.9	16	SF		4	E		32			
0284	PALE	21	1713	1714	1725	S17 E19	7135	04	23.2	12	SF		4	E		23		F	
0285	HOLL	21	1759	1759	1807	S15 E12	7135	04	22.6	8	SF		3	E		13			
0286	RAMY	21	1913	1915	1938	S14 E17	7135	04	23.1	25	SF		3	E		25		F	
0287	RAMY	21	1942	1946	2002	S14 E18	7135	04	23.2	20	SF		3	E		13			
0288	RAMY	21	2041	2041	2048	S18 E16	7135	04	23.1	7	SF C 1.5		3	E		10			
		21	2104		2130	No Flare Patrol													
		21	2148		2259	No Flare Patrol													
0289	HOLL	21	2257	2306	2320	S22 E32	7137	04	24.4	23	SF		3	E		36			
		21	2317		2400	No Flare Patrol													
		22	0000		0016	No Flare Patrol													
0290	PALE	22	0006	0007	0011	S17 E12	7135	04	22.9	5	SF		3	E		22		F	
0291		22	01042	01089	0152	S15 E37	7139	04	24.8	48	1N M 1.4					242	2.2	EFMZ	
	YUNN	22	0103E	0114U	0140	S14 E35	7139	04	24.7	37D	SN			P	0114	77	1.0		
	PALE	22	0104	0109	0201	S16 E39	7139	04	25.0	57	2B M 1.4		4	E		354		MZ	
	LEAR	22	0104	0117	0207	S14 E39	7139	04	25.0	63	2N		3	E		341		FE	
	PEKG	22	0105	0108	0140	S14 E37	7139	04	24.8	35	1B			P	0108	336	4.4	E	
	WATU	22	0106	0117	0151	S15 E37	7139	04	24.8	45	SF			P	0117	100	1.3	E	
0292	PALE	22	0106	0112	0117	S18 E31	7137	04	24.4	11	SF		4	E		27		F	
0293		22	0126*	01432	0200	S16 E10	7135	04	22.8	34	SF					36		F	
	LEAR	22	0126	0143	0208	S15 E08	7135	04	22.7	42	SF		3	E		44			
	PALE	22	0142	0145	0153	S18 E13	7135	04	23.1	11	SF		4	E		27		F	
0294	PALE	22	0132	0132	0138	N20 E10	7136	04	22.8	6	SF		4	E		11			
0295	PALE	22	0242	0245	0303	N11 E38	7138	04	25.0	21	SF		4	E		46		F	
0296	YUNN	22	0820E	0834U	0852	S19 E12	7135	04	23.3	32D	SN			P	0834	15	0.2		
0297		22	08533	08543	0905	S09 E42	7140	04	25.5	12	SF					44	1.3	E	
	HTPR	22	0853	0854	0905	S10 E39	7140	04	25.3	12	SN			C	0854	80	1.1		
	KANZ	22	0853	0857	0909	S09 E41	7140	04	25.4	16	SF		2	C					
	LEAR	22	0854	0855	0905	S09 E41	7140	04	25.4	11	SF		3	E		27			
	SVTO	22	0854	0855	0909	S09 E43	7140	04	25.6	15	SF		4	E		25			
	ONDR	22	0855	0857	0900	S09 E43	7140	04	25.6	5	SF			P			1.5	E	
	ISTA	22	0856		0901	S10 E45	7140	04	25.7	5	SN			P				E	
0298	YUNN	22	0857E	0858U	0911	S21 E65	7142	04	27.3	14D	SN			P	0858	15	0.4		
0299	ISTA	22	1108		1125	S17 E11	7135	04	23.3	17	SN			P				D	
0300		22	13201	1324	1329	S04 E83	7143	04	28.8	9	SF					50			
	HTPR	22	1320		1330	S03 E90	7143	04	29.3	10	SF			C					
	SVTO	22	1321	1324	1328	S06 E76	7143	04	28.2	7	SF		3	E		50			

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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	Area Measurement			Remarks	
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0301	HOLL	22	1622	1624	1656	S18	E28	7137	04	24.8	34	SF	3	E		24			
0302	HOLL	22	1802	1804	1810	S18	W05	7135	04	22.4	8	SF	3	E		40			
0303	HOLL	22	1934	1935	2030	S19	E06	7135	04	23.3	56	SF	3	E		23			
		22	2102		2216	No Flare Patrol													
0304	HOLL	22	2247	2248	2253	S26	W37	7132	04	20.1	6	SF	3	E		15			
0305	PALE	23	0144	0144	0150	S15	E01	7135	04	23.1	6	SF	3	E		14			
0306		23	02155	0226*	0256	S16	E01	7135	04	23.2	41	1N	C 3.0			170	1.8	EF	
	PALE	23	0215	0235	0303	S16	E01	7135	04	23.2	48	1N	C 3.0	3	E	161		FE	
	WATU	23	0217	0226	0226D	S16	E01	7135	04	23.2	90	SF		P		0226	30	0.3	E
	MITK	23	0220	0237	0250	S17	E01	7135	04	23.2	30	1N		C		0237	210	2.2	F
	YUNN	23	0226E	0228	0228D	S16	E02	7135	04	23.2	20	1N		P			277	2.9	
0307	PALE	23	0249	0250	0305	N12	E25	7138	04	25.0	16	SF	3	E		15			
0308	ABST	23	0436	0437	0442	N17	W11		04	22.3	6	SF		C		0437	87	0.9	D
0309	WATU	23	0535	0536	0538	S18	W12	7135	04	22.3	3	SF		C		0536	10	0.1	D
0310	LEAR	23	0624	0624	0649	S26	W41	7132	04	20.1	25	SF	2	E		80			F
0311	SVTO	23	0817	0818	0833	S27	W42	7132	04	20.1	16	SF	3	E		26			
0312	SVTO	23	1112	1113	1132	N10	E19	7138	04	24.9	20	SF	3	E		41			
0313		23	11441	11461	1202	S16	W03	7135	04	23.3	18	SN	C 1.8			70	1.1	EF	
	RAMY	23	1144	1147	1205	S17	W04	7135	04	23.2	21	SF	C 1.8	3	E	31		F	
	HTPR	23	1145	1146	1200	S15	W02	7135	04	23.3	15	SN		C		1146	110	1.1	E
0314	HOLL	23	1340E	1345U	1400D	N09	E16	7138	04	24.8	200	SF	2	E		23			H
0315		23	1416*	1620*	1752	S06	E68	7143	04	28.7	216	SF				70			HT
	HOLL	23	1416	1620	1807	S06	E62	7143	04	28.2	231	SF	3	E		99			T
	PALE	23	1702	1703	1737	S05	E74	7143	04	29.2	35	SF	3	E		40			R
0316	PALE	23	1643	1650	1712	N08	E16	7138	04	24.9	29	SF	C 1.2	3	E	54			F
0317		23	1746*	18151	1829	N10	E15	7138	04	24.9	43	SF	C 1.2			41			F
	HOLL	23	1746	1816	1839	N10	E15	7138	04	24.9	53	SF	C 1.2	3	E	58			F
	PALE	23	1812	1815	1827	N09	E14	7138	04	24.8	15	SF		3	E	29			
	RAMY	23	1815	1816	1822	N10	E15	7138	04	24.9	7	SF		3	E	37			F
0318		23	18041	18051	1819	S16	W07	7135	04	23.2	15	SF				21			F
	HOLL	23	1804	1805	1821	S16	W08	7135	04	23.1	17	SF		3	E	32			F
	RAMY	23	1805	1805	1816	S16	W07	7135	04	23.2	11	SF		3	E	15			F
	PALE	23	1805	1806	1819	S17	W07	7135	04	23.2	14	SF		3	E	16			
0319	HOLL	23	1823	1825	1827	S22	E12	7137	04	24.7	4	SF		3	E	16			F
0320		23	1909*	1922*	2001	N10	E14	7138	04	24.8	52	SF	C 2.7			54			FH
	HOLL	23	1909	1948	2018	N10	E14	7138	04	24.8	69	SN		3	E	80			FH
	PALE	23	1920	1948	2014	N10	E14	7138	04	24.8	54	SF	C 2.7	3	E	53			F
	RAMY	23	1921	1922	1930	N10	E15	7138	04	24.9	9	SF		3	E	34			F
	RAMY	23	1937	1947	1955D	N10	E14	7138	04	24.9	180	SF		3	E	47			F
0321	HOLL	23	1912	1924	1934	S22	E11	7137	04	24.6	22	SF	C 1.5	3	E	31			F
0322	PALE	23	1941	1942	1945	N15	W59	7144	04	19.3	4	SF		3	E	35			
		23	1956		2400	No Flare Patrol													
0323	HOLL	23	1957	1957	2006	S06	E69	7143	04	29.0	9	SF		3	E	10			H
0324	HOLL	23	2120	2120	2124	S15	W14	7135	04	22.8	4	SF		3	E	12			

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						Lat	Region										Apparent (10-6 Disk)	Corr (Sq Deg)		
0325		23	2145	2149	2215	N12	E14	7138	04	25.0	30	SF	C	2.5				74		FH
	HOLL	23	2144E	2149U	2215	N13	E13	7138	04	24.9	31D	SF			2	E		62		FH
	PALE	23	2145	2149	2215	N11	E14	7138	04	24.9	30	SF	C	2.5	3	E		85		
0326	PALE	23	2215	2220	2224	N14	W60	7144	04	19.4	9	SF			3	E		96		
0327	HOLL	23	2315	2344	2443	S13	E00	7137	04	24.0	88	SF			3	E		53		
		24	0000		0059	No Flare Patrol														
0328	PALE	24	0037	0043	0045	N14	W61	7144	04	19.4	8	SF			3	E		45		
0329	PALE	24	0046	0046	0049	S06	E67	7143	04	29.0	3	SF			3	E		22		
0330	PALE	24	0210	0211	0223	S17	W12	7135	04	23.2	13	SF	C	1.1	3	E		24		
0331		24	0607*	0615*	0719	N10	E07	7138	04	24.8	72	1N						143	2.4	EF
	SVTO	24	0607	0615	0619	N09	E07	7138	04	24.8	12	SF			3	E		29		F
	KANZ	24	0608E	0704	0748	N10	E07	7138	04	24.8	100D	1F			2	C				
	SVTO	24	0627	0704	0738	N09	E06	7138	04	24.7	71	SN			3	E		87		F
	HPR	24	0655	0705	0730	N10	E06	7138	04	24.7	35	1N				C	0705	260	2.6	E
	CATA	24	0656E	0701	0720D	N10	E07	7138	04	24.8	24D	1B			1	P	0701	197	2.1	
0332		24	09062	0908*	0940	N09	E04	7138	04	24.7	34	SN						68	0.8	EF
	SVTO	24	0906	0919	0945	N09	E05	7138	04	24.7	39	SF			3	E		56		F
	KANZ	24	0908	0908	0945	N09	E03	7138	04	24.6	37	SN			2	C				
	HPR	24	0910E		0930	N10	E05	7138	04	24.7	200	SN				C	0911	80	0.8	E
0333	SVTO	24	0909	0915	0940	N13	W66	7144	04	19.4	31	SF	C	2.0	3	E		30		
0334	HPR	24	0935		1015	N11	E35	7145	04	27.0	40	SN				C	0940	30	0.4	D
		24	09412	09507	1035	N14	W66	7144	04	19.4	54	SF						46		
0335	KANZ	24	0941	0950	0956D	N14	W65	7144	04	19.5	15D	SF			2	C				
	SVTO	24	0943	0957	1035	N13	W66	7144	04	19.4	52	SF			3	E		46		
0336	SVTO	24	1042	1043	1054	N10	E05	7138	04	24.8	12	SF			3	E		23		
0337	SVTO	24	1201	1204	1212	N09	E03	7138	04	24.7	11	SF	C	1.0	3	E		16		
0338		24	12432	12512	1348	N10	E04	7138	04	24.8	65	1B	M	1.4				224	2.8	FU
	HPR	24	1243	1253	1345	N10	E02	7138	04	24.7	62	1B				C	1253	280	2.8	
	SVTO	24	1245	1251	1349	N09	E05	7138	04	24.9	64	1B	M	1.4	4	E		168		UF
	KANZ	24	1245	1253	1349	N10	E04	7138	04	24.8	64	1B			2	C				
0339	HOLL	24	1541	1554	1608	S06	E59	7143	04	29.1	27	SF	C	2.1	3	E		19		
0340		24	15521	15532	1600	N13	E01	7138	04	24.7	8	SF						43	0.8	EF
	SVTO	24	1552	1553	1600	N12	E01	7138	04	24.7	8	SF			3	E		31		E
	HOLL	24	1552	1553	1601	N13	E02	7138	04	24.8	9	SF			3	E		46		FE
	HPR	24	1552	1553	1602	N13	W01	7138	04	24.6	10	SN				C	1553	80	0.8	E
	RAMY	24	1553	1555	1558	N13	E03	7138	04	24.9	5	SF			3	E		14		F
0341	HOLL	24	1614	1621	1658	N15	W70	7144	04	19.4	44	SF			3	E		22		
0342	HPR	24	1635	1637	1645	N13	W01	7138	04	24.6	10	SN				C	1637	50	0.5	E
0343	HOLL	24	1712	1716	1728	S16	W25	7135	04	22.8	16	SF	B	9.2	3	E		20		
0344	HOLL	24	1826	1827	1843	N15	W71	7144	04	19.4	17	SF			3	E		13		
0345		24	1843*	19191	1935	N12	E00	7138	04	24.8	52	SN	M	1.2				76		EFH
	HOLL	24	1843	1919	1942	N13	E00	7138	04	24.8	59	1B	M	1.2	4	E		126		E
	PALE	24	1857	1924U	1934	N10	E01	7138	04	24.9	37	SF			3	E		29		F
	RAMY	24	1918	1920	1928	N13	E00	7138	04	24.8	10	SN			3	E		74		EH
0346	HOLL	24	1910	1914	1931	S05	E57	7143	04	29.1	21	SF			3	E		19		
0347	HOLL	24	1918	1920	1936	S19	W06	7137	04	24.3	18	SF			3	E		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	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0348	HOLL	24	1944	1945	1954	N10	E01	7138	04	24.9	10	SF		3	E		17		
0349	PALE	24	1957	2004	2009D	N11	E28	7145	04	26.9	12D	SF		3	E		18		
0350	PALE	24	2017	2020	2026	N11	E01	7138	04	24.9	9	SF		3	E		23		
0351	HOLL	24	2130	2135	2141	N16	W74	7144	04	19.3	11	SF		3	E		12		
		24	2153		2209	No Flare Patrol													
0352	PALE	24	2200	2203	2204	N11	E00	7138	04	24.9	4	SF		3	E		20		
		24	2219		2259	No Flare Patrol													
0353		24	23292	23317	2352	S12	E06	7140	04	25.4	23	SF					23		
	HOLL	24	2329	2338	2356	S11	E06	7140	04	25.4	27	SF		3	E		23		
	PALE	24	2331	2331	2348	S12	E07	7140	04	25.5	17	SF		3	E		23		
0354		24	23452	2348	2410	S19	W08	7137	04	24.4	25	SF					30		
	HOLL	24	2345	2348	2412	S18	W09	7137	04	24.3	27	SF		3	E		36		
	PALE	24	2347		2409	S20	W07	7137	04	24.4	22	SF		3	E		24		
0355	PEKG	25	0330	0335	0344	N10	E24	7145	04	26.9	14	SN			P	0335	42	0.5	D
0356	LEAR	25	0625	0627	0631	N11	E24	7145	04	27.1	6	SF		3	E		14		
0357		25	0715	0733U	0749	N10	E22	7145	04	26.9	34	SN					60	0.7	
	HTPR	25	0715		0745	N10	E22	7145	04	26.9	30	SF			C	0725	90	1.0	
	YUNN	25	0730E	0733U	0753	N10	E21	7145	04	26.9	23D	SN			P	0733	31	0.4	
0358	KANZ	25	0940	0940	0948	S27	W63	7132	04	20.5	8	SF		2	C				
0359	SVTO	25	1104	1104	1107	N09	W11	7138	04	24.6	3	SF		3	E		15		
0360	SVTO	25	1201	1212	1230	N10	E20	7145	04	27.0	29	SF		3	E		15		
0361		25	12511	1252	1259	N14	W82	7144	04	19.3	8	SF					15		
	SVTO	25	1251	1252	1258	N15	W89	7144	04	18.8	7	SF		3	E		15		
	KANZ	25	1252	1252	1300	N14	W75	7144	04	19.9	8	SF		2	C				
0362		25	1256	12562	1303	N10	E18	7145	04	26.9	7	SF					18		
	KANZ	25	1256	1256	1304	N10	E19	7145	04	27.0	8	SF		2	C				
	SVTO	25	1256	1258	1302	N11	E17	7145	04	26.8	6	SF		3	E		18		
0363	HOLL	25	1325E	1328U	1354D	N01	E41	7143	04	28.6	29D	SF		2	E		22		F
0364		25	17442	17521	1809	N10	W11	7138	04	24.9	25	SF					26		FH
	HOLL	25	1744	1752	1813	N10	W11	7138	04	24.9	29	SF		3	E		29		FH
	PALE	25	1746	1753	1805	N10	W11	7138	04	24.9	19	SF		3	E		23		H
0365	HOLL	25	1813	1815	1825	N10	E16	7145	04	27.0	12	SF		3	E		21		
0366		25	18381	18421	1850	S20	W18	7137	04	24.4	12	SF					42		F
	PALE	25	1838	1843	1852	S20	W18	7137	04	24.4	14	SF		3	E		40		
	HOLL	25	1839	1842	1849	S19	W18	7137	04	24.4	10	SF		3	E		44		F
0367		25	1840*	1904	1909	S16	W38	7135	04	22.9	29	SF					26		
	PALE	25	1840	1904	1908	S17	W38	7135	04	22.9	28	SF		3	E		22		
	HOLL	25	1903	1904	1910	S15	W39	7135	04	22.8	7	SF		3	E		30		
		25	1938		2121	No Flare Patrol													
0368	PALE	25	2007	2007	2013	N10	E15	7145	04	27.0	6	SF		3	E		15		
0369	PALE	25	2032	2032	2037	S16	W36	7135	04	23.1	5	SF		3	E		20		
		25	2147		2335	No Flare Patrol													
0370	PALE	25	2231	2232	2251	N09	E53	7146	04	29.9	20	SF		3	E		29		H

Ha S O L A R F L A R E S

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
							Region	Mo Day						Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
		25 2346		2400														
		26 0000		0030														
		26 0050		0059														
0371	YUNM	26 0133E	0134U	0145	S10	W07	7140	04	25.5	12D	SN		P	0134	15	0.2		
0372	SVTO	26 0605	0605	0618	N11	E53	7146	04	30.2	13	SF		3	E		11		
0373		26 06555	0658*	0715	S10	W11	7140	04	25.5	20	SF							
	WATU	26 0655	0658	0700	S11	W11	7140	04	25.5	5	SF		P	0658	11	0.1	CFG	
	KANZ	26 0656	0700	0736D	S11	W10	7140	04	25.5	400	SF		2	C	10	0.1		
	SVTO	26 0658	0716	0734	S10	W11	7140	04	25.5	36	SF		3	E	12		F	
	ISTA	26 0700		0711	S09	W11	7140	04	25.5	11	SN		P				GC	
0374		26 12312	12321	1241	S26	W79	7132	04	20.4	10	SF					20		
	SVTO	26 1231	1232	1244	S26	W82	7132	04	20.1	13	SF		3	E		29		
	RAMY	26 1232	1233	1237	S24	W77	7132	04	20.6	5	SF		3	E		11		
	KANZ	26 1233	1233	1241	S27	W78	7132	04	20.4	8	SF		2	C				
0375	SVTO	26 1339	1340	1344	N12	W24	7138	04	24.8	5	SF		3	E		32		
0376	HOLL	26 1414	1415	1436	N10	W22	7138	04	24.9	22	SF B 7.3		3	E		35	F	
0377		26 15035	15143	1554	N11	E04	7145	04	26.9	51	SN C 4.7					86	F	
	HOLL	26 1503	1514	1603	N11	E05	7145	04	27.0	60	1N C 4.7		3	E		109	F	
	SVTO	26 1505	1514U	1558	N11	E03	7145	04	26.8	53	SB		2	E		87	F	
	RAMY	26 1508	1517	1540	N11	E05	7145	04	27.0	32	SF		4	E		61	F	
0378		26 1504	15046	1528	N10	W24	7138	04	24.8	24	SF					26	F	
	HOLL	26 1504	1504	1531	N10	W23	7138	04	24.9	27	SF		3	E		25	F	
	SVTO	26 1504	1510	1524	N10	W24	7138	04	24.8	20	SF		3	E		27	F	
0379	HOLL	26 1709	1714	1737	N08	E46	7146	04	30.2	28	SF		3	E		22		
0380		26 17284	17331	1750	N10	W24	7138	04	24.9	22	SF					24		
	PALE	26 1728	1734	1745	N11	W23	7138	04	25.0	17	SF		4	E		26		
	HOLL	26 1732	1733	1756	N10	W24	7138	04	24.9	24	SF		3	E		23		
0381		26 1812	1815	1822	S27	W78	7132	04	20.7	10	SF C 2.2					11		
	HOLL	26 1812E	1812U	1822	S25	W74	7132	04	21.0	100	SF		2	E		10		
	PALE	26 1812	1815	1821	S29	W81	7132	04	20.4	9	SF C 2.2		4	E		12		
0382	PALE	26 1827	1829	1838	S06	E32	7143	04	29.2	11	SF		4	E		18		
0383	PALE	26 1853	1853	1903	S06	E31	7143	04	29.1	10	SF		4	E		16		
0384	HOLL	26 1918	1918	1925	N10	W25	7138	04	24.9	7	SF		3	E		18		
		26 2041		2050														
0385		26 20551	20565	2111	N10	W26	7138	04	24.9	16	SF B 6.5					36	F	
	HOLL	26 2055	2056	2113	N10	W25	7138	04	25.0	18	SF B 6.5		3	E		35		
	PALE	26 2056	2101	2109	N09	W27	7138	04	24.8	13	SF		4	E		36	F	
		26 2208		2347														
		27 0009		0011														
		27 0017		0027														
		27 0032		0035														
		27 0043		0058														
0386	WATU	27 0059	0104	0104D	N08	W29	7138	04	24.9	5D	SF		P	0104	10	0.1		
0387		27 0543	0547	0611	N10	W31	7138	04	24.9	28	SN					158	2.0	E
	TACH	27 0543	0547	0601D	N10	W29	7138	04	25.0	18D	1N		3	C	0547	275	3.4	E
	WATU	27 0543	0547	0610	N11	W32	7138	04	24.8	27	SN			C	0547	40	0.5	
	KANZ	27 0604E	0604U	0612	N09	W31	7138	04	24.9	8D	SF		2	C				

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H α SOLAR FLARES

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CND	NOAA/USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See Type	Area Measurement			Remarks
													Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0388	27 1011	1012	1018	N10 E38	7146	04 30.3	7	SF					10			DF
	ISTA 27 1011	1014		N12 E40	7146	04 30.4	3	SF				P				D
	SVTO 27 1011	1012	1020	N09 E36	7146	04 30.1	9	SF			3	E	10			F
	KANZ 27 1013E	1013U	1021	N10 E37	7146	04 30.2	80	SF			2	C				
0389	HOLL 27 1515	1518	1538	N11 W08	7145	04 27.0	23	SF			3	E	18			
	27 1747		1859	No Flare Patrol												
0390	27 17492	17494	1800	N12 W38	7138	04 24.9	11	SF					12			F
	HOLL 27 1749	1749	1803	N11 W38	7138	04 24.9	14	SF			3	E	13			F
	PALE 27 1751	1753	1757	N12 W38	7138	04 24.9	6	SF			4	E	10			
0391	HOLL 27 1826	1831	1841	N10 W11	7145	04 26.9	15	SF			3	E	21			
	27 1915		1920	No Flare Patrol												
0392	PALE 27 1924	1927	1930	S11 W30	7140	04 25.5	6	SF			3	E	16			
0393	27 20321	2033	2040	N10 W40	7138	04 24.8	8	SF					19			
	HOLL 27 2032	2033	2039	N10 W40	7138	04 24.8	7	SF			3	E	19			
	PALE 27 2033	2033	2040	N10 W39	7138	04 24.9	7	SF			3	E	19			
	27 2033		2038	No Flare Patrol												
	27 2053		2322	No Flare Patrol												
0394	27 21381	21493	2214	N10 W12	7145	04 27.0	36	SF C 1.2					34			F
	HOLL 27 2138	2149	2214	N11 W12	7145	04 27.0	36	SF C 1.2			3	E	40			F
	PALE 27 2139	2152	2229D	N10 W12	7145	04 27.0	50D	SF			3	E	28			F
0395	PALE 27 2238E	2239	2241	S05 E16	7143	04 29.1	3D	SF			3	E	12			
	28 0008		0018	No Flare Patrol												
0396	KAND 28 0720	0723	0730	S06 E38	7149	05 1.1	10	SF				P	0723	42	0.5	D
	28 1413		1450	No Flare Patrol												
0397	PALE 28 1744	1745	1755	S07 E22	7150	04 30.4	11	SF B 5.2			3	E	15			
0398	28 18041	18071	1816	S07 E22	7150	04 30.4	12	SF					18			
	HOLL 28 1804	1808	1818	S07 E23	7150	04 30.5	14	SF			3	E	23			
	PALE 28 1805	1807	1813	S07 E22	7150	04 30.4	8	SF			3	E	14			
0399	HOLL 28 1908	1910	1915	S06 E31	7149	05 1.1	7	SF B 6.6			3	E	15			H
	28 1919		1950	No Flare Patrol												
	28 2207		2219	No Flare Patrol												
	29 0203		0207	No Flare Patrol												
	29 0222		0228	No Flare Patrol												
	29 0240		0257	No Flare Patrol												
	29 0315		0317	No Flare Patrol												
	29 0320		0321	No Flare Patrol												
	29 0340		0341	No Flare Patrol												
	29 0345		0347	No Flare Patrol												
	29 0405		0406	No Flare Patrol												
	29 0410		0416	No Flare Patrol												
	0400	KHAR 29 1032	1055		S18 W85	7135	04 23.0		SF			2	V			
0401	SVTO 29 1317	1318	1324	S09 E11	7150	04 30.4	7	SF			3	E	15			
	29 1610		1619	No Flare Patrol												
	29 1650		1701	No Flare Patrol												
0402	29 1716*	1717*	1750	S04 W12	7143	04 28.8	34	SF					27			FK
	HOLL 29 1716	1717	1800	S03 W12	7143	04 28.8	44	SF				E	43			K
	HOLL 29 1716	1742	1800	S03 W12	7143	04 28.8	44	SF			3	E	16			F
	PALE 29 1721	1721	1730	S05 W12	7143	04 28.8	9	SF			3	E	35			F
	PALE 29 1746	1747	1751	S07 W10	7143	04 29.0	5	SF			3	E	14			F

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF CMD Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks	
											Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
		29 1721	2343		No Flare Patrol										
0403	HOLL	29 1929	1932	1945	N09 W65	7138	04 24.9	16	SF C 1.2	3	E		30		
0404		30 0045	0050	0106	S04 W15	7143	04 28.9	21	SF				63	0.6	DEIJ
	VORO	30 0045	0051	0118	S04 W16	7143	04 28.8	33	SF	2	C	0051	116	1.2	EIJ
	WATU	30 0049	0050	0054	S03 W14	7143	04 29.0	5	SF		C	0050	10	0.1	D
0405	ABST	30 0617	0622	0627	S01 W21	7143	04 28.7	10	SF		C	0622	87	1.0	E
0406	ABST	30 0654	0703U	0722D	N07 E03	7146	04 30.5	28D	SN		P	0703	175	1.8	F
0407		30 0700*	0717	0730	S04 W20	7143	04 28.8	30	SN				55	0.6	E
	WATU	30 0700	0718	0724	S02 W21	7143	04 28.7	24	SN		C	0718	30	0.3	E
	HTPR	30 0715	0717	0735	S04 W21	7143	04 28.7	20	SF		C	0717	80	0.8	E
	ISTA	30 0716		0731	S07 W18	7143	04 28.9	15	SB		P				E
0408	ISTA	30 0733		0743	S09 E04	7150	04 30.6	10	SN		P				E
0409		30 0746*	0759*	0928	S08 E04	7150	04 30.6	102	1N				323	3.3	BEF
	HTPR	30 0746	0805	0930	S08 E05	7150	04 30.7	104	1N		C	0805	390	3.9	
	WATU	30 0750	0759		S08 E05	7150	04 30.7		SN		P	0759	60	0.6	E
	URUM	30 0755	0820	0910	S08 E04	7150	04 30.6	75	SN		C		113	1.2	F
	BUCA	30 0756	0759	0900D	S07 W01	7150	04 30.2	64D	1N		P	0759	430	4.4	E
	ATHN	30 0825E	0826U	0850D	S07 E04	7150	04 30.6	25D	2N	3	V	0826	509	5.2	
	KHAR	30 0828E	0953		S07 E05	7150	04 30.7		D 1N	2		0830	450	4.5	E
	KAND	30 0854E		0930	S08 E05	7150	04 30.7	36D	1B		P	0854	312	3.2	EF
	ISTA	30 0914E		0944	S10 E06	7150	04 30.8	30D	1N		P				BF
0410		30 1049	1053	1058	S06 W20	7143	04 28.9	9	SF B 7.2				36	0.7	
	HTPR	30 1049	1053	1100	S05 W18	7143	04 29.1	11	SF		C	1053	60	0.7	
	SVTO	30 1050	1054	1057	S08 W21	7143	04 28.9	7	SF B 7.2	3	E		11		
0411		30 1342	1350	1404	S03 W24	7143	04 28.8	22	SF				46	0.9	E
	HTPR	30 1342	1350	1405	S02 W23	7143	04 28.8	23	SF		C	1350	80	0.9	E
	HOLL	30 1349E	1350U	1404	S04 W24	7143	04 28.8	15D	SF	2	E		13		
		30 1701	2244		No Flare Patrol										
0412		30 2306	2306	2314	N11 W51	7145	04 27.1	8	SF C 3.0				86	1.5	DEHJ
	PALE	30 2306	2306	2317D	N11 W51	7145	04 27.1	11D	SF	3	E		87		E
	HOLL	30 2306	2306	2318	N12 W51	7145	04 27.1	12	SF C 3.0	3	E		82		H
	VORO	30 2306E	2307	2310	N11 W50	7145	04 27.2	4D	SF	2	C	2307	90	1.5	DJ

"Remarks"

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

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual