

H α SOLAR FLARES

MAY 1998

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
								USAF Region								Mo	Day		Apparent (10 ⁻⁶ Disk)
0001	URUM	01	0238	0242	0253	N29	E48 8214	05	4.9	15	SN			C		64	1.2	E	
0002	LEAR	01	0522	0525	0527	N22	E41 8214	05	4.4	5	SF		3	E		11			
0003	LEAR	01	0606	0607	0616	N23	E42 8214	05	4.5	10	SF		3	E		35			
0004	LEAR	01	0851	0903	0916	N24	E42 8214	05	4.6	25	SF		3	E		21		F	
0005	LEAR	01	0858	0901	0906	S18	E01 8210	05	1.4	8	SF		3	E		27		F	
		01	0950		1019		No Flare Patrol												
0006	RAMY	01	1129	1131	1141	N25	E41 8214	05	4.6	12	SF		3	E		30			
0007	RAMY	01	1201	1202	1245	N25	E40 8214	05	4.6	44	SF		4	E		19		F	
0008	RAMY	01	1203	1206	1216	S17	W05 8210	05	1.1	13	SF		4	E		51			
0009	RAMY	01	1246	1258	1345	N25	E40 8214	05	4.6	59	1N		4	E		157		F	
0010	HOLL	01	1257E	1324U	1326	N25	E40 8214	05	4.6	29D	1F		3	E		101		F	
0011	HOLL	01	1332	1334	1342	N25	E40 8214	05	4.7	10	SF		3	E		16		F	
0012	RAMY	01	1315	1317	1320	S19	E00 8210	05	1.5	5	SF		4	E		14		F	
0013	HOLL	01	1417	1419	1422	N25	E39 8214	05	4.6	5	SF		3	E		13			
0014		01	1427*	1453	1518	S20	W02 8210	05	1.4	51	SF					62		F	
	HOLL	01	1427	1453	1524	S21	W03 8210	05	1.4	57	SF		4	E		76			
	RAMY	01	1443	1453	1512	S19	W01 8210	05	1.5	29	SF		4	E		49		F	
0015		01	1445*	14561	1504	N24	E38 8214	05	4.5	19	SF					20			
	HOLL	01	1445	1456	1508	N24	E40 8214	05	4.7	23	SF		4	E		25			
	RAMY	01	1457	1457	1500	N25	E36 8214	05	4.4	3	SF		4	E		15			
0016	HOLL	01	1657	1703	1729	S17	W11 8210	04	30.9	32	SF		3	E		24			
0017		01	1734	17362	1802	N25	E38 8214	05	4.7	28	SF					26			
	RAMY	01	1734	1736	1808	N26	E38 8214	05	4.7	34	SF		4	E		19			
	HOLL	01	1734	1738	1756	N24	E39 8214	05	4.7	22	SF		3	E		33			
0018	HOLL	01	1757	1757	1804	N25	E38 8214	05	4.7	7	SF		3	E		19			
		01	1920		1925		No Flare Patrol												
		01	1957		2003		No Flare Patrol												
0019	HOLL	01	2005	2011	2033	N26	E37 8214	05	4.7	28	SF		3	E		26			
0020	RAMY	01	2011	2027	2042D	S19	W04 8210	05	1.5	31D	SF		3	E		63		F	
0021	HOLL	01	2012	2012	2017	S17	W12 8210	04	30.9	5	SF		3	E		15			
0022	HOLL	01	2022	2030	2048	S17	W12 8210	04	30.9	26	SF		3	E		67			
0023	HOLL	01	2049	2051	2056	S20	W07 8210	05	1.3	7	SF		3	E		18			
0024	HOLL	01	2143	2151	2201	S18	W05 8210	05	1.5	18	SF		3	E		47			
0025	HOLL	01	2232	2251	2318	S18	W06 8210	05	1.5	46	1F		3	E		127		EF	
0026	HOLL	01	2250	2254	2309	N25	E35 8214	05	4.7	19	SF		3	E		19			
0027	LEAR	02	0030	0044	0047	N23	E33 8214	05	4.6	17	1F		3	E		185		F	
0028	LEAR	02	0033	0040	0047	S19	W07 8210	05	1.5	14	SF		3	E		57		F	
0029		02	0155	01538	0228	N25	E34 8214	05	4.7	33	SN					89	1.9	EF	
	URUM	02	0149E	0153	0201D	N26	E33 8214	05	4.6	12D	SN			P		129	1.9	E	
	LEAR	02	0155	0201	0228	N24	E34 8214	05	4.7	33	SF		3	E		49		F	

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks	
														Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
0030	URUM	02	0358	0406	S20	W13	8210	05	1.2	24	SN		C	64	0.7	D	
0031	URUM	02	0422	0433	N25	E26	8214	05	4.2	19	SN		C	48	0.6	E	
0032		02	04409	04569	0544	S20	W10	8210	05	1.4	64	1N			242	4.4	E
	LEAR	02	0440	0456	0548	S20	W07	8210	05	1.6	68	SF	3	E	81		
	URUM	02	0449	0505	0540	S21	W12	8210	05	1.3	51	1B		C	402	4.4	E
0033	URUM	02	0828	0838	0843	S21	E03	8213	05	2.6	15	SB		C	161	1.7	E
0034	SVTO	02	0834	0835	0838	S15	W14	8210	05	1.3	4	SF	3	E	12		F
0035	SVTO	02	0924	0932	0955	N25	E30	8214	05	4.7	31	SF	3	E	12		F
		02	1018		1023	No Flare Patrol											
0036	RAMY	02	1044	1049	1056	S20	W17	8210	05	1.1	12	SF	3	E	44		
0037		02	1247	1253	1302	S17	W17	8210	05	1.2	15	SF			19		F
	RAMY	02	1247	1253	1302	S16	W17	8210	05	1.2	15	SF	4	E	19		F
	KANZ	02	1256E	1256U	1300D	S18	W17	8210	05	1.2	4D	SF	2	C			
0038		02	1318	1323	1338	N26	E26	8214	05	4.6	20	SF			13		
	HOLL	02	1318	1323	1336	N25	E26	8214	05	4.6	18	SF	3	E	13		
	KANZ	02	1322E	1322U	1339	N26	E26	8214	05	4.6	17D	SF	2	C			
0039		02	1334	13425	1540	S15	W15	8210	05	1.4	126	3B			541		FZ
	HOLL	02	1334	1342	1532	S15	W16	8210	05	1.3	118	2B	3	E	455		ZF
	RAMY	02	1334	1342	1547	S15	W15	8210	05	1.4	133	3B	4	E	627		ZF
	KANZ	02	1335E	1347	1445D	S15	W14	8210	05	1.5	70D	3B	2	C			
0040	HOLL	02	1545	1545	1548	S12	W24	8210	04	30.8	3	SF	3	E	12		
0041		02	1749	1750	1754	N25	E20	8214	05	4.3	5	SF			21		
	RAMY	02	1749	1750	1754	N25	E20	8214	05	4.3	5	SF	4	E	24		
	HOLL	02	1749	1750	1754	N25	E20	8214	05	4.3	5	SF	3	E	18		
0042		02	18595	19041	1920	S14	W24	8210	05	1.0	21	SF			28		
	RAMY	02	1859	1905	1929	S15	W24	8210	05	1.0	30	SF	4	E	40		
	HOLL	02	1904	1904	1911	S14	W24	8210	05	1.0	7	SF	3	E	15		
0043	HOLL	02	1914	1914	1920	S17	W25	8210	04	30.9	6	SF	3	E	45		
0044	HOLL	02	1925	1926	1927	S18	W23	8210	05	1.0	2	SF	3	E	24		
0045		02	20323	2051*	2132	S20	W20	8210	05	1.3	60	SF			85		F
	RAMY	02	2032	2051	2138	S20	W19	8210	05	1.4	66	SF	3	E	71		F
	HOLL	02	2035	2105	2126	S19	W20	8210	05	1.3	51	SF	3	E	99		
0046	RAMY	02	2125	2125	2135	N27	E21	8214	05	4.5	10	SF	3	E	20		
		02	2208		2214	No Flare Patrol											
		02	2233		2258	No Flare Patrol											
		03	0946		0947	No Flare Patrol											
		03	0949		0955	No Flare Patrol											
0047		03	0956E	1008	1048	S20	W26	8210	05	1.4	52D	SN			43		F
	KANZ	03	0956E	1008	1051	S21	W27	8210	05	1.3	55D	SN	2	C			
	RAMY	03	1014E	1015U	1045	S20	W26	8210	05	1.4	31D	SN	1	E	43		F
		03	1001		1007	No Flare Patrol											
0048		03	11572	1159	1203	N27	E13	8214	05	4.5	6	SF			16		
	RAMY	03	1157	1159	1203	N27	E13	8214	05	4.5	6	SF	4	E	16		
	KANZ	03	1159	1159	1203	N27	E13	8214	05	4.5	4	SF	2	C			
0049		03	12311	12351	1242	N27	E12	8214	05	4.4	11	SF			18		
	KANZ	03	1231	1235	1243	N27	E13	8214	05	4.5	12	SF	2	C			
	RAMY	03	1232	1236	1242	N27	E12	8214	05	4.4	10	SF	4	E	18		

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	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)	
0074		05 1240E	1308	1318	N25 W18	8214	05 4.1	38D	SF					36		F
	HOLL	05 1240E	1308	1318	N25 W18	8214	05 4.1	38D	SF		3	E		51		F
	RANY	05 1305E	1309U	1313D	N25 W19	8214	05 4.1	8D	SF		3	E		22		
0075	HOLL	05 1319	1329	1339	N26 W19	8214	05 4.1	20	SF		3	E		41		F
0076	HOLL	05 1343	1343	1348	N26 W18	8214	05 4.2	5	SF		3	E		13		F
0077	HOLL	05 1349	1351	1355	N25 W18	8214	05 4.2	6	SF		3	E		10		F
0078	HOLL	05 1612	1628	1645	N26 W18	8214	05 4.3	33	SF		3	E		51		F
0079	HOLL	05 1635	1647	1655	S14 W60	8210	05 1.1	20	SF		3	E		11		F
0080	HOLL	05 1802	1802	1823	N27 W20	8214	05 4.2	21	SF		3	E		47		F
0081	HOLL	05 1823	1855	2030	N26 W22	8214	05 4.0	127	1F		3	E		134		F
0082	HOLL	05 2049	2053	2115	N26 W22	8214	05 4.1	26	SF		3	E		26		
0083	HOLL	05 2214	2218	2224	N26 W23	8214	05 4.1	10	SF		3	E		28		
0084	HOLL	05 2246	2252	2256	N25 W25	8214	05 4.0	10	SF		3	E		34		F
0085		05 2304*	23411	2458	S16 W60	8210	05 1.4	114	2N					385		FHY
	HOLL	05 2304	2342	2512	S15 W60	8210	05 1.4	128	2N		3	E		514		YH
	LEAR	05 2329	2341	2445	S16 W60	8210	05 1.4	76	2N		3	E		256		F
0086	VORO	06 0012E		0053	S20 W62	8210	05 1.3	41D	1N		2	C	0014	108	3.1	
0087	VORO	06 0022	0026	0033	N29 W32	8214	05 3.5	11	SN		2	C	0026	90	1.8	
0088		06 0024	00251	0032	N26 W24	8214	05 4.1	8	1F					86	2.1	
	HOLL	06 0024	0025	0031	N27 W24	8214	05 4.1	7	SF		3	E		47		
	VORO	06 0024	0026	0032	N26 W24	8214	05 4.1	8	1F		1	C	0026	125	2.1	
0089		06 00259	0035	0047	N26 W22	8214	05 4.3	22	SN					90	1.6	
	LEAR	06 0025	0035	0041	N26 W20	8214	05 4.5	16	SF		3	E		55		
	VORO	06 0034	0035	0053	N27 W25	8214	05 4.1	19	SN		1	C	0035	125	1.6	
0090		06 0044	0044	0048	N26 W20	8214	05 4.5	4	SF					22		
	HOLL	06 0044	0044	0048	N26 W20	8214	05 4.5	4	SF		3	E		26		
	LEAR	06 0044	0044	0049	N26 W20	8214	05 4.5	5	SF		3	E		17		
0091	LEAR	06 0225	0227	0230	N26 W21	8214	05 4.5	5	SF		3	E		32		
0092	URUM	06 0355	0403	0407	S18 W73	8210	04 30.6	12	1N			C		80		E
0093	URUM	06 0407	0411	0418	N24 W35	8214	05 3.5	11	SN			C		48	0.7	E
0094	LEAR	06 0714	0804	0905	S11 W65	8210	05 1.4	111	1N		3	E		175		FH
0095	LEAR	06 0441	0442	0447	S12 W63	8210	05 1.4	6	SF		3	E		37		
0096	LEAR	06 0533	0534	0537	S12 W65	8210	05 1.3	4	SF		3	E		31		
0097		06 06091	06091	0626	S14 W65	8210	05 1.3	17	SF					28		
	KANZ	06 0609	0609	0637	S16 W65	8210	05 1.3	28	SF		2	C				
	LEAR	06 0610	0610	0616	S12 W65	8210	05 1.3	6	SF		3	E		28		
0098	LEAR	06 0627	0629	0635	S14 W66	8210	05 1.3	8	SF		3	E		15		
0099	LEAR	06 0702	0704	0707	S13 W66	8210	05 1.3	5	SF		3	E		31		
0100	KANZ	06 0717E	0721	0753	S16 W65	8210	05 1.4	36D	1N		2	C				
0101	KANZ	06 0801	0805	0918D	S15 W64	8210	05 1.5	77D	1N		2	C				
0102	URUM	06 0840	0844	0844D	S13 W68	8210	05 1.2	4D	1B			P		113		D

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																	Apparent (10-6 Disk)	Corr (Sq Deg)		
0103	URUM	06	0858	0902	0910	S12	W68	8210	05	1.2	12	SB			C		80		D	
0104	06	08472	08481	0851	N26	W30	8214	05	4.0	4	SF						16			
	LEAR	06	0847	0848	0853	N27	W29	8214	05	4.1	6	SF		3	E		16			
	KANZ	06	0849	0849	0849	N25	W31	8214	05	4.0	6	SF		2	C					
0105	KANZ	06	0853	0857	0918D	N22	W31	8214	05	4.0	25D	SF		2	C					
0106	KANZ	06	0918E	0918U	0918D	N29	W35	8214	05	3.6	25D	SF		2	C					
0107	KHAR	06	0941		0948	N28	W30	8214	05	4.0	7	SF		2	V				D	
0108	KHAR	06	0948		0954	N29	W38	8214	05	3.4	6	SN		2	V				H	
0109	KHAR	06	1016		1025	S13	W68	8210	05	1.3	9	SF		2	V				D	
0110	KHAR	06	1019		1022	N28	W30	8214	05	4.1	3	SF		2	V				D	
0111	K HAR	06	1055		1104	S13	W68	8210	05	1.3	9	SF		2	V				D	
			06	1107		1120	No Flare Patrol													
			06	1202		1301	No Flare Patrol													
0112	HOLL	06	1335	1337	1345	S16	W68	8210	05	1.4	10	SN		3	E		84			
0113	HOLL	06	1435	1437	1440	N27	W29	8214	05	4.3	5	SF		3	E		16			
0114	HOLL	06	1512	1513	1515	N28	W36	8214	05	3.8	3	SF		3	E		29		H	
0115	HOLL	06	1545	1546	1549	S15	W73	8210	05	1.1	4	SF		3	E		16			
0116	HOLL	06	1640	1642	1650	S14	W72	8210	05	1.2	10	SF		3	E		24			
0117	HOLL	06	1711	1712	1715	N28	W37	8214	05	3.8	4	SF		3	E		15			
0118	HOLL	06	1711	1712	1721	S14	W74	8210	05	1.1	10	SF		3	E		54			
0119	HOLL	06	1818	1822	1823	S23	E82	8218	05	13.1	5	SF		3	E		11			
0120	HOLL	06	1825	1830	1840	S13	W76	8210	05	1.0	15	SF		3	E		65			
0121	HOLL	06	1838	1839	1902	N28	W32	8214	05	4.3	24	SF		3	E		19			
0122	HOLL	06	2118	2122	2132	N26	W31	8214	05	4.5	14	SF		3	E		26			
0123	HOLL	06	2207	2208	2213	S14	W72	8210	05	1.5	6	SF		3	E		70			
			06	2224		2232	No Flare Patrol													
0124	HOLL	06	2238	2239	2247	S22	E77	8218	05	12.9	9	SF		3	E		20			
0125	HOLL	06	2257	2302	2309	N28	W36	8214	05	4.1	12	SF		3	E		31			
0126	HOLL	06	2257	2302	2310	S22	E77	8218	05	12.9	13	SF		3	E		23			
0127	06	2343	23462	2406	N28	W34	8214	05	4.3	23	SF						32		E	
	HOLL	06	2343	2346	2352	N28	W36	8214	05	4.2	9	SF		3	E		34			
	LEAR	06	2343	2348	2421	N28	W32	8214	05	4.5	38	SF		3	E		30		E	
0128	LEAR	07	0109	0109	0114	N29	W40	8214	05	3.9	5	SF		4	E		16		E	
0129	LEAR	07	0403	0407	0414	S24	E72	8218	05	12.7	11	SF		4	E		37			
0130	LEAR	07	0606	0606	0616	S24	E71	8218	05	12.7	10	SF		4	E		15			
0131	07	0632	0635	0652	S22	E71	8218	05	12.7	20	SF						20			
	LEAR	07	0632	0635	0652	S23	E70	8218	05	12.7	20	SF		3	E		19			
	SVTO	07	0638E	0638U	0657D	S22	E72	8218	05	12.8	19D	SF		1	E		20			

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																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0132	KANZ	07	0647E	0647U	0655D	S20	E69	8218	05	12.6	8D	SF		2	C					
0133	LEAR	07	0653	0655	0706	S23	E71	8218	05	12.7	13	SF		4	E		28			
0134	SVTO	07	0729E	0729U	0737D	S22	E73	8218	05	12.9	8D	SF		1	E		12			
		07	0848		0958	No Flare Patrol														
0135	SVTO	07	1107	1114	1156	N29	W47	8214	05	3.8	49	1B		3	E		182		F	
0136	HOLL	07	1328	1330	1333	S23	E68	8218	05	12.8	5	SF		3	E		28			
0137	HOLL	07	1338	1339	1401	S23	E68	8218	05	12.8	23	SF		3	E		21			
0138	HOLL	07	1340	1342	1345	N28	W47	8214	05	3.9	5	SF		3	E		21			
0139	HOLL	07	1438	1459	1509	S23	E68	8218	05	12.8	31	SF		3	E		30			
0140	HOLL	07	1441	1449	1520	N27	W41	8214	05	4.4	39	1F		3	E		114			
0141	HOLL	07	1533	1548	1600	S23	E67	8218	05	12.8	27	SF		3	E		15			
0142	HOLL	07	1605	1607	1613	N26	W41	8214	05	4.5	8	SF		3	E		17			
0143	HOLL	07	1614	1621	1643	N26	W41	8214	05	4.5	29	SF		3	E		56			
0144	HOLL	07	1907	1909	1918	N31	W53	8214	05	3.6	11	SF		3	E		15			
0145	HOLL	07	1912	1914	1916	S21	E59	8218	05	12.3	4	SF		3	E		16			
0146	HOLL	07	1927	1928	1934	S23	E64	8218	05	12.7	7	SF		3	E		23		F	
		07	2117		2145	No Flare Patrol														
0147	HOLL	07	2151	2152	2155	S23	E63	8218	05	12.8	4	SF		3	E		19			
		07	2227		2254	No Flare Patrol														
0148	HOLL	07	2313	2316	2320	S23	E61	8218	05	12.7	7	SF		3	E		27		F	
		08	0120		0129	No Flare Patrol														
		08	0145		0150	No Flare Patrol														
		08	0241		0304	No Flare Patrol														
0149	KANZ	08	0619	0624	0636	N23	W57	8214	05	3.9	17	SF		2	C					
0150	KANZ	08	0619	0628	0700	S18	W82	8210	05	2.0	41	SF		2	C					
0151	KANZ	08	1128	1128	1132	S23	E53	8218	05	12.6	4	SF		2	C					
0152	SVTO	08	1251E	1304U	1340D	N25	W51	8214	05	4.6	49D	1N		3	E		150		F	
0153	KANZ	08	1304	1308	1336	N27	W70		05	3.1	32	2F		2	C					
0154		08	16151	16151	1619	N28	W54	8214	05	4.4	4	SF					18			
	HOLL	08	1615	1615	1618	N28	W53	8214	05	4.5	3	SF		3	E		18			
	KANZ	08	1616	1616	1620	N27	W55	8214	05	4.4	4	SF		2	C					
0155	HOLL	08	2256	2256	2304	N32	W65	8214	05	3.8	8	SF		2	E		24		F	
		08	2358		2400	No Flare Patrol														
		09	0000		0029	No Flare Patrol														
		09	0356		0420	No Flare Patrol														
0156		09	10283	10373	1051	N28	W70	8214	05	4.0	23	2N					257		EF	
	URUM	09	1028	1040	1052	N28	W70	8214	05	4.0	24	2B			C		434		E	
	KANZ	09	1030	1038	1050	N29	W70	8214	05	3.9	20	2F		2	C					
	SVTO	09	1031	1037	1048	N29	W72	8214	05	3.8	17	2F		3	E		266		F	
	RAMY	09	1040E	1042U	1053	N28	W66	8214	05	4.3	13D	SF		2	E		72			

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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)		
0157		09	1102	1104	1112	N29	W70	8214	05	4.0	10	SF						52		
	SVTO	09	1102	1104	1113	N29	W71	8214	05	3.9	11	SF		3	E			51		
	KANZ	09	1102	1106	1110	N28	W69	8214	05	4.1	8	SF		2	C					
	RAMY	09	1104E	1105U	1112	N29	W69	8214	05	4.0	8D	SF		3	E			53		
0158	URUM	09	1103E	1103	1119	N29	W83		05	2.9	16D	1N						80	D	
		10	0428		0501	No Flare Patrol														
		10	0609		0631	No Flare Patrol														
		10	0637		0643	No Flare Patrol														
0159	KANZ	10	0820	0824	0840	S27	E87	8220	05	17.1	20	SF		2	C					
0160		10	1144	1148	1202	S28	E87	8220	05	17.3	18	SF						36		
	KANZ	10	1144	1148	1208	S27	E87	8220	05	17.3	24	SF		2	C					
	RAMY	10	1145	1149	1156	S28	E87	8220	05	17.3	11	SF		4	E			36		
0161		10	1320	1320	1334	S28	E88	8220	05	17.4	14	SF						28		
	KANZ	10	1320	1320	1344	S28	E89	8220	05	17.5	24	SF		2	C					
	HOLL	10	1321	1322	1324	S29	E88	8220	05	17.4	3	SF		3	E			28		
0162	KANZ	11	0640	0640	0644	N20	E73	8222	05	16.9	4	SF		2	C					
0163	KHAR	11	1007		1035U	S19	E66		05	16.4	28U	SF		2	V				D	
0164	SVTO	11	1037	1047	1110	S22	E05	8218	05	11.8	33	1F		3	E			106	FH	
0165		11	1039	1046	1104	S19	E15	8218	05	12.6	25	1F						49	EH	
	KANZ	11	1039	1047	1103	S19	E15	8218	05	12.6	24	1F		2	C					
	KHAR	11	1044	1046	1105	S19	E16	8218	05	12.7	21	1N		2	V				HE	
	RAMY	11	1049E	1049U	1101D	S19	E14	8218	05	12.5	12D	SF		2	E			49		
0166		11	1858	1901	1913	S22	E02	8218	05	11.9	15	SF						22		
	HOLL	11	1858	1901	1912	S21	E03	8218	05	12.0	14	SF		3	E			25		
	RAMY	11	1858	1902	1914	S22	E02	8218	05	11.9	16	SF		3	E			19		
0167	HOLL	11	2234	2235	2241	S20	E01	8218	05	12.0	7	SF		3	E			33		
0168	HOLL	11	2342	2343	2351	S21	E01	8218	05	12.1	9	SF		3	E			44		
0169	SVTO	12	0507	0546	0637	S20	E02	8218	05	12.4	90	SF		3	E			67	FH	
0170	KANZ	12	0619E	0619U	0635	S20	E02	8218	05	12.4	16D	SF		2	C					
0171	SVTO	12	0815	0818	0833	S24	W02	8218	05	12.2	18	SF		3	E			28	F	
0172	KANZ	12	0817	0817	0833	S19	E19	8218	05	13.8	16	SF		2	C					
0173	HOLL	12	2157	2200	2204	S22	W06	8218	05	12.4	7	SF		3	E			15	F	
0174	HOLL	12	2312	2312	2317	S21	W06	8218	05	12.5	5	SF		3	E			28	F	
0175	SVTO	13	0624	0627	0635	S22	W18	8218	05	11.9	11	SF		3	E			15		
0176	KHAR	13	0940	0941	0952	S22	W17	8218	05	12.1	12	SF		2	V				DL	
0177	KHAR	13	1046	1047	1054	S21	W12	8218	05	12.5	8	SF		2	V				DH	
0178	KHAR	13	1204	1204	1211	S22	W12	8218	05	12.6	7	SF		2	V				DH	
0179	KANZ	13	1221	1221	1225	S08	W58	8221	05	9.2	4	SF		2	C					
0180	HOLL	13	1400	1402	1406	S26	W17	8218	05	12.3	6	SF		3	E			12		
0181	HOLL	13	1451	1452	1501	S22	W16	8218	05	12.4	10	SF		3	E			29		
0182	SVTO	13	1452	1452	1502	S22	W23	8218	05	11.8	10	SF		3	E			16		
0183	HOLL	13	1845	1846	1852	S21	W18	8218	05	12.4	7	SF		3	E			25	F	

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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	Xray	Obs See	Type	Area Measurement			Remarks	
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0213	HOLL	26	1911	1912	1916	S21	W70	8224	05	21.4	5	SF		3	E		30			
0214	HOLL	26	2032	2034	2044	N21	W50	8226	05	23.0	12	1F		3	E		102			
0215	HOLL	26	2113	2113	2117	N21	W52	8226	05	22.9	4	SF		3	E		15			
			27	0157		0457		No Flare Patrol												
0216	SVTO	27	0531	0534	0543	N23	E65	8227	06	1.2	12	SF		3	E		29		F	
0217	SVTO	27	0609	0609	0613	N19	W55	8226	05	23.0	4	SF		3	E		13			
0218	KANZ	27	0903E	0919U	0919D	S23	W76	8224	05	21.5	16D	SF		2	C					
0219	SVTO	27	0931	0934	0941	S23	W85	8224	05	20.8	10	SF		3	E		68			
0220	SVTO	27	0952	0957	1008	N17	W64	8226	05	22.5	16	SF		3	E		34		F	
0221		27	10523	10523	1104	S23	W79	8224	05	21.4	12	SF					14			
	SVTO	27	1052	1052	1056	S23	W82	8224	05	21.1	4	SF		3	E		10			
	RAMY	27	1052E	1053	1117	S23	W78	8224	05	21.4	25D	SF		3	E		19			
	KANZ	27	1055	1055	1059	S24	W76	8224	05	21.6	4	SF		2	C					
0222		27	1103	11101	1116	S24	W83	8224	05	21.0	13	SF					51			
	SVTO	27	1103	1110	1116	S23	W86	8224	05	20.8	13	SF		3	E		51			
	KANZ	27	1103	1111	1115D	S24	W80	8224	05	21.3	12D	SF		2	C					
0223		27	1112	1118	1131	N18	W66	8226	05	22.4	19	SF					36		F	
	SVTO	27	1112	1118	1132	N17	W66	8226	05	22.4	20	SF		3	E		42		F	
	RAMY	27	1121E	1121U	1130	N18	W67	8226	05	22.4	9D	SF		3	E		30			
0224	KANZ	27	1226	1230	1238	S24	W76	8224	05	21.6	12	SF		2	C					
0225	SVTO	27	1229	1232	1235	S23	W86	8224	05	20.9	6	SF		3	E		36		F	
0226	SVTO	27	1248	1249	1253	S23	W90	8224	05	20.6	5	SF		3	E		42			
0227	SVTO	27	1323	1323	1326	S23	W83	8224	05	21.2	3	SF		3	E		10			
0228		27	1252	13331	1346	S22	W82	8224	05	21.2	54	SF					83		H	
	HOLL	27	1252	1334	1348	S21	W83	8224	05	21.2	56	1N		3	E		163		H	
	RAMY	27	1331E	1333	1343	S22	W80	8224	05	21.4	12D	SF		3	E		47			
	SVTO	27	1333E	1335U	1340D	S23	W83	8224	05	21.2	7D	SF		3	E		39			
0229	HOLL	27	1255	1300	1319	N19	W66	8226	05	22.5	24	SF		3	E		13		F	
0230		27	13232	1328*	1433	N18	W60	8226	05	23.0	70	SF					46		FH	
	SVTO	27	1323	1328	1347	N19	W62	8226	05	22.8	24	SF		3	E		27		F	
	HOLL	27	1325	1338	1519	N18	W58	8226	05	23.1	114	SF		3	E		64		FH	
0231	RAMY	27	1332E	1333	1343	S12	W80	8224	05	21.5	11D	SF		3	E		47			
0232		27	13342	13351	1342	N22	E51	8227	05	31.5	8	SF					61		F	
	SVTO	27	1334	1335	1341	N22	E52	8227	05	31.6	7	SF		3	E		61		F	
	KANZ	27	1336	1336	1344	N22	E50	8227	05	31.4	8	SF		2	C					
0233		27	14183	14222	1436	S22	W83	8224	05	21.2	18	SF					43			
	HOLL	27	1418	1424	1446	S22	W84	8224	05	21.1	28	SF		3	E		77			
	SVTO	27	1420	1424	1431	S23	W84	8224	05	21.1	11	SF		3	E		32			
	RAMY	27	1421	1422	1430	S22	W80	8224	05	21.4	9	SF		3	E		21			
0234	SVTO	27	1424	1437	1450	N18	W59	8226	05	23.1	26	SF		3	E		14		F	
0235		27	1543	1605	1611	S22	W82	8224	05	21.3	28	SF					71			
	HOLL	27	1543	1605	1611	S21	W83	8224	05	21.3	28	SF		3	E		79			
	RAMY	27	1551E	1609U	1632D	S22	W82	8224	05	21.3	41D	SF		3	E		63			
0236	HOLL	27	1614	1619	1628	S21	W82	8224	05	21.4	14	1F		3	E		131			

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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)						
0237		27	1816	1819	1825	S21	W83	8224	05	21.4	9	SF				50		H					
	RAMY	27	1814E	1814U	1834D	S22	W82	8224	05	21.4	20D	SF	3	E		12							
	HOLL	27	1816	1819	1825	S20	W84	8224	05	21.3	9	SF	3	E		88		H					
0238	HOLL	27	1836	1837	1839	S20	W83	8224	05	21.4	3	SF	3	E		20							
0239	HOLL	27	2020	2020	2024	S22	W85	8224	05	21.3	4	SF	3	E		23							
0240	HOLL	27	2043	2043	2048	N19	W68	8226	05	22.7	5	SF	3	E		10		F					
0241	HOLL	27	2249	2249	2252	S21	W85	8224	05	21.4	3	SF	3	E		29							
																			27	2256		2400	No Flare Patrol
0242	HOLL	27	2305	2307	2321	N25	E47	8227	05	31.6	16	SF	3	E		37		F					
0243	HOLL	27	2343	2344	2348	S21	W85	8224	05	21.5	5	SF	3	E		39							
0244	HOLL	28	0104	0104	0109	S22	W86	8224	05	21.4	5	SF	3	E		11							
																			28	0158		0351	No Flare Patrol
0245	SVTO	28	0436	0438	0446	N20	W75	8226	05	22.4	10	SF	3	E		31							
0246		28	0621	0622	0626	N19	W76	8226	05	22.5	5	SF				56		H					
	SVTO	28	0621	0622	0625	N20	W78	8226	05	22.3	4	SF	3	E		56		H					
	KANZ	28	0622	0622	0626	N18	W75	8226	05	22.5	4	SF	2	C									
0247	SVTO	28	1126	1126	1131	N28	E39	8227	05	31.5	5	SF	3	E		27		H					
0248	HOLL	28	1257	1257	1300	N22	W80	8226	05	22.4	3	SF	3	E		15							
0249	SVTO	28	1257	1257	1301	N20	W90	8226	05	21.6	4	SF	3	E		22							
0250	SVTO	28	1346	1349	1356	N18	W87	8226	05	21.9	10	SF	3	E		47							
0251	HOLL	28	1347	1413	1426	N20	W85	8226	05	22.1	39	SF	3	E		30		F					
0252	HOLL	28	2027	2029	2033	N20	W80	8226	05	22.7	6	SF	3	E		95							
0253	HOLL	28	2227	2229	2231	N20	W82	8226	05	22.7	4	SF	3	E		20							
0254	HOLL	28	2243	2252	2301	N20	W83	8226	05	22.6	18	SF	3	E		34							
0255	HOLL	29	0020	0022	0030	N20	W81	8226	05	22.8	10	SF	3	E		27							
																			29	0106		0413	No Flare Patrol
																			29	0432		0609	No Flare Patrol
																			29	0654		0739	No Flare Patrol
																			29	1012		1042	No Flare Patrol
																			29	1057		1122	No Flare Patrol
0256	KHAR	29	1129E		1150U	N15	W90	8226	05	22.7	21U	SN	2	V									
0257	KHAR	29	1201		1207	N18	W90	8226	05	22.6	6	SF	2	V				H					
0258	KHAR	29	1209	1209	1219	N15	W90	8226	05	22.7	10	SN	2	V				H					
0259	KHAR	29	1222		1230	N15	W90	8226	05	22.7	8	SF	2	V									
0260	KHAR	29	1220		1225U	S08	E80		06	4.5	5U	SF	2	V				D					
0261	HOLL	29	2342	2344	2354	S21	E76		06	4.8	12	SF	3	E		91							
																			30	1852		1856	No Flare Patrol
																			30	2146		2155	No Flare Patrol
																			30	2210		2219	No Flare Patrol
0262	URUM	31	0353	0357	0401D	N28	E09	8227	05	31.9	8D	SN		P		113	1.3	E					

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks	
								Region	Mo								Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0263	KANZ	31	1416	1420	1424	S28	E68		06	5.9	8	SF			2	C					
0264	HOLL	31	1802	1803	1807	S22	E56	8230	06	5.0	5	SF			3	E			38		

"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