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Aug 97

H α SOLAR FLARES

AUGUST 1997

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)	
			01 1029		1039	No Flare	Patrol										
			01 1052		1053	No Flare	Patrol										
			01 2146		2154	No Flare	Patrol										
			01 2204		2400	No Flare	Patrol										
			02 0000		0046	No Flare	Patrol										
			02 0133		0159	No Flare	Patrol										
			02 0734		0739	No Flare	Patrol										
			02 0907		0914	No Flare	Patrol										
			02 1857		1911	No Flare	Patrol										
			02 2211		2307	No Flare	Patrol										
			02 2319		2324	No Flare	Patrol										
			02 2331		2337	No Flare	Patrol										
			02 2359		2400	No Flare	Patrol										
			03 0000		0006	No Flare	Patrol										
0001	HOLL	03	0020	0023	0034	S21 E45	8068	08	6.5	14	SF	3	E		23		FH
0002	LEAR	03	0303	0307	0309	S25 E42	8068	08	6.4	6	SF	3	E		48		
0003		03	1103	1103	1108	S22 E40	8068	08	6.5	5	SF				15		
	RAMY	03	1058E	1100U	1104	S21 E39	8068	08	6.4	6D	SF	2	E		15		
	KANZ	03	1103	1103	1111	S22 E41	8068	08	6.6	8	SF	2	C				
			03 2231		2235	No Flare	Patrol										
			03 2240		2257	No Flare	Patrol										
			03 2316		2349	No Flare	Patrol										
			04 0101		0412	No Flare	Patrol										
			04 1942		2013	No Flare	Patrol										
			04 2057		2102	No Flare	Patrol										
			04 2126		2224	No Flare	Patrol										
			04 2244		2306	No Flare	Patrol										
			04 2321		2328	No Flare	Patrol										
			05 0101		0348	No Flare	Patrol										
			05 1717		2126	No Flare	Patrol										
			05 2224		2332	No Flare	Patrol										
0004	SVTO	06	0603	0605	0614	N20 W38	8069	08	3.3	11	SF B	4.9	3	E		16	
			06 2325		2400	No Flare	Patrol										
			07 0000		0000	No Flare	Patrol										
0005	SVTO	07	0924	0924	0933	N19 W55	8069	08	3.2	9	SF	3	E		14		
0006	SVTO	07	1035	1035	1046	N19 W56	8069	08	3.2	11	SF	3	E		13		
0007		07	11171	11211	1125	N19 W55	8069	08	3.3	8	SF				11		
	SVTO	07	1117	1121	1123	N19 W56	8069	08	3.2	6	SF	3	E		11		
	KANZ	07	1118	1122	1127	N19 W54	8069	08	3.3	9	SF	2	C				
0008		07	11351	11381	1147	N19 W56	8069	08	3.2	12	SF B	1.1			20		
	KANZ	07	1135	1139	1148D	N19 W55	8069	08	3.3	13D	SF	2	C				
	SVTO	07	1136	1138	1147	N19 W57	8069	08	3.1	11	SF B	1.1	3	E		20	
0009		07	12591	1303	1315	N18 W56	8069	08	3.3	16	SF B	2.1			17		
	KANZ	07	1259	1303	1315	N18 W55	8069	08	3.3	16	SF	2	C				
	RAMY	07	1300	1303	1315	N19 W57	8069	08	3.2	15	SF B	2.1	4	E		17	
0010	SVTO	07	1428	1428U	1437D	N19 W57	8069	08	3.2	9D	SF	3	E		37		
0011	SVTO	07	1447	1453	1459	N19 W58	8069	08	3.2	12	SF	3	E		20		
0012	RAMY	07	1723	1724	1730	N19 W58	8069	08	3.3	7	SF	4	E		10		F
			07 2107		2111	No Flare	Patrol										
			07 2211		2214	No Flare	Patrol										
			07 2240		2309	No Flare	Patrol										
0013		08	1249	1252	1259	N19 W72	8069	08	3.0	10	SF B	1.8			16		
	RAMY	08	1249	1252	1259	N19 W71	8069	08	3.1	10	SF B	1.8	3	E		21	
	SVTO	08	1258E	1259U	1303D	N19 W73	8069	08	3.0	5D	SF B	1.8	3	E		10	

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															Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
0035	RAMY	13	1838	1843	1850	N26	W03	8071	08	13.5	12	SF	2	E	14		F	
		13	2236		2314			No Flare Patrol										
0036	LEAR	14	0129	0132	0147	N26	W04	8071	08	13.7	18	SF C	1.0	3	E	30		F
		17	1810		1852			No Flare Patrol										
		17	1942		1950			No Flare Patrol										
		17	2150		2233			No Flare Patrol										
		18	2235		2314			No Flare Patrol										
		19	0953		1208			No Flare Patrol										
		19	2028		2038			No Flare Patrol										
		19	2050		2117			No Flare Patrol										
		19	2128		2159			No Flare Patrol										
		19	2320		2322			No Flare Patrol										
		20	0022		0031			No Flare Patrol										
		20	1901		2116			No Flare Patrol										
		20	2256		2305			No Flare Patrol										
		21	0037		0107			No Flare Patrol										
		21	0150		0202			No Flare Patrol										
0037	LEAR	21	0433	0433	0438	N29	W34	8074	08	18.5	5	SF B	3.6	3	E	17		
		21	2044		2216			No Flare Patrol										
		21	2232		2311			No Flare Patrol										
		22	1506		1632			No Flare Patrol										
		22	1857		1916			No Flare Patrol										
		23	0951		1024			No Flare Patrol										
		23	1034		1049			No Flare Patrol										
		23	2256		2304			No Flare Patrol										
0038	KANZ	24	0915	0919	0935	N30	W73		08	18.6	20	SF		2	C			
0039	KANZ	24	0915	0915	0927	S24	E83	8078A	08	30.8	12	SF		2	C			
0040	KANZ	24	0939	0951	0959	N29	W71		08	18.8	20	SF		2	C			
0041	KANZ	24	1129	1129	1133	S24	E83	8078A	08	30.9	4	SF		2	C			
0042	HOLL	24	1834	1835	1838	S23	E72	8077	08	30.3	4	SF B	2.4	3	E	31		
		24	2224		2334			No Flare Patrol										
		24	2346		2400			No Flare Patrol										
		25	0000		0354			No Flare Patrol										
0043	HOLL	25	1407E	1408U	1413D	N30	E82	8076	09	1.0	6D	SF		3	E	23		
0044	HOLL	25	1519	1522	1534	N30	E82	8076	09	1.1	15	SF C	1.2	3	E	57		
0045		25	1519	1522	1538	N28	E69	8076	08	31.0	19	SF C	1.2			69		
	SVTO	25	1519	1522	1533	N29	E69	8076	08	31.0	14	SF C	1.2	3	E	50		
	RAMY	25	1519	1523	1543	N28	E69	8076	08	31.0	24	SF C	1.2	3	E	88		
0046	RAMY	25	1639	1655	1714	N27	E69	8076	08	31.1	35	SF C	1.2	3	E	28		F
0047	HOLL	25	1702	1702	1709	N28	E80	8076	09	1.0	7	SF C	1.2	3	E	19		F
		25	1940		2035			No Flare Patrol										
		25	2233		2239			No Flare Patrol										
0048	LEAR	26	0054	0054	0101	N21	E57	8076	08	30.4	7	SF C	4.0	3	E	41		
		26	0406		0439			No Flare Patrol										
0049	SVTO	26	0531E	0532U	0614	N26	E55	8076	08	30.5	43D	SF C	4.5	2	E	28		F
0050	HOLL	26	2010	2013	2042	N29	E54	8076	08	31.1	32	SF B	8.8	3	E	66		H
0051	HOLL	26	2308	2310	2316	N29	E53	8076	08	31.1	8	SF		3	E	31		

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Obs Opt	Xray Xray	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks	
																	Grp #
		27	0944	0948			No Flare Patrol										
		27	1042	1100			No Flare Patrol										
		27	1105	1109			No Flare Patrol										
0052	RAMY	27	1514	1517	1523	S23 E38	8077	08	30.6	9	SF		3	E		12	
0053	KANZ	28	0937	0942	0949	S24 E28	8077	08	30.6	12	SF		2	C			
0054	SVTO	28	1053	1054	1059	N30 E36	8076	08	31.3	6	SF		3	E		19	
0055		28	1121	1124	1132	N26 E32	8076	08	30.9	11	SF					20	
	RAMY	28	1121	1124	1133	N27 E32	8076	08	31.0	12	SF		3	E		25	
	SVTO	28	1122	1124	1131	N26 E31	8076	08	30.9	9	SF		3	E		15	
0056	KANZ	28	1145	1148	1157	S24 E27	8077	08	30.6	12	SF		2	C			
0057	HOLL	28	1618	1619	1623	N27 E31	8076	08	31.1	5	SF		3	E		25	
0058	MITK	29	0426	0428	0431	N30 E26	8076	08	31.2	5	SN			C	0428	0.8	
0059	SVTO	29	0617	0619	0625	N29 E25	8076	08	31.2	8	SF B	3.1	3	E		16	
0060	SVTO	29	0921	0925U	0945D	N31 E24	8076	08	31.3	24D	SF B	6.7	3	E		24	F
		29	0949		1001		No Flare Patrol										
0061	RAMY	29	1513	1513	1517	N31 E22	8076	08	31.4	4	SF		3	E		22	F
0062		29	1727	1729	1748	N28 E18	8076	08	31.1	21	SF C	1.0				30	F
	RAMY	29	1727	1729	1754	N30 E20	8076	08	31.3	27	SF C	1.0	4	E		35	F
	HOLL	29	1728	1729	1741	N27 E17	8076	08	31.0	13	SF C	1.0	3	E		24	
		29	2113		2316		No Flare Patrol										
0063	HOLL	29	2314E	2317U	2447	N30 E17	8076	08	31.3	93D	SF M	1.4	3	E		61	
		29	2322		2351		No Flare Patrol										
0064		30	0723	0725	0732	N28 E11	8076	08	31.2	9	SF B	5.7				50	F
	LEAR	30	0723	0725	0733	N24 E10	8076	08	31.1	10	SF B	5.7	3	E		28	
	SVTO	30	0723	0725U	0734D	N30 E11	8076	08	31.2	11D	SF		3	E		71	F
	KANZ	30	0723	0727	0731	N30 E13	8076	08	31.3	8	SF		1	C			
0065	SVTO	30	1115	1121	1133	N23 E03	8076	08	30.7	18	SF C	1.9	3	E		18	F
0066	SVTO	30	1144	1146	1158	N23 E04	8076	08	30.8	14	SF		3	E		28	
0067	SVTO	30	1509	1525	1536	N28 E05	8076	08	31.0	27	SF		3	E		13	
		30	1915		1935		No Flare Patrol										
0068	RAMY	31	1129	1133	1138	N29 W05	8076	08	31.1	9	SF C	2.7	3	E		26	
0069	SVTO	31	1350	1351	1358	N27 W14	8076	08	30.5	8	SF		3	E		38	
0070		31	1449	1449	1452	N28 W06	8076	08	31.1	3	SF					12	
	SVTO	31	1449	1449	1452	N28 W07	8076	08	31.1	3	SF		3	E		12	
	RAMY	31	1449	1449	1452	N29 W06	8076	08	31.1	3	SF		4	E		12	
0071		31	1504	1504	1510	N28 W07	8076	08	31.1	6	SF					10	
	SVTO	31	1504	1504	1513	N28 W07	8076	08	31.1	9	SF		3	E		11	
	RAMY	31	1504	1505	1508	N29 W07	8076	08	31.1	4	SF		4	E		10	
0072	RAMY	31	1652	1656	1705	N27 W11	8076	08	30.8	13	SF		4	E		21	
0073	HOLL	31	1910	1914	1920	N29 W10	8076	08	31.0	10	SF C	1.2	3	E		39	F
0074	HOLL	31	1924	1925	1931	N29 W12	8076	08	30.9	7	SF		3	E		19	F

H α S O L A R F L A R E S

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks	
								USAF Region	CMP Mo Day						Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
0075	HOLL	31	2222	2223	2232	N30	W12	8076	08	31.0	10	SF	C	1.4	3	E	42	

"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