Hα SOLAR FLARES

JUNE 1994

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001	KANZ	01	0917	0917	0929	N19	E48		06	5.0	12	SF		2	C				G
		01	2123		2302	No Flare Patrol													
		02	2133		2209	No Flare Patrol													
		03	2125		2138	No Flare Patrol													
0002	KANZ	06	1105E	1105U	1113	S16	W77		05	31.6	8D	SF		2	C				
0003	KANZ	06	1129	1133	1141	S17	W48	7729	06	2.8	12	SF		2	C				
0004	KANZ	06	1149	1153	1205D	S15	W75		05	31.8	16D	SF		2	C				
0005	SVTO	06	1209	1210	1214	S15	W50	7729	06	2.7	5	SF		3	E		15		
0006		06	12513	1253*	1320	S16	W51	7729	06	2.7	29	SF	C 2.3				33		FH
	SVTO	06	1251	1253	1310	S16	W52	7729	06	2.6	19	SF		3	E		48		FH
	RAMY	06	1252	1300	1319	S16	W50	7729	06	2.7	27	SF	C 2.3	3	E		27		H
	KANZ	06	1254	1302	1322	S17	W51	7729	06	2.7	28	SF		2	C				
	HOLL	06	1256E	1311	1330	S15	W52	7729	06	2.6	34D	SF		3	E		23		FH
0007		06	16264	16282	1634	S16	W54	7729	06	2.6	8	SF					16		F
	SVTO	06	1626	1628	1632	S16	W54	7729	06	2.6	6	SF		3	E		17		
	HOLL	06	1630	1630	1635	S15	W55	7729	06	2.5	5	SF		3	E		14		F
0008	HOLL	06	2226	2229	2241	S15	W57	7729	06	2.6	15	SF		3	E		18		
		06	2329		2336	No Flare Patrol													
		06	2349		2357	No Flare Patrol													
0009	LEAR	07	0155	0155	0209	S15	W59	7729	06	2.6	14	SF		3	E		90		FH
0010		07	0604*	06421	0649	S13	W64	7729	06	2.4	45	SF	B 2.8				32	1.2	
	HTPR	07	0604	0642	0653	S13	W65	7729	06	2.1	49	SF			C	0642	50	1.2	
	LEAR	07	0642	0643	0645	S13	W64	7729	06	2.4	3	SF	B 2.8	3	E		14		
0011	ISTA	07	0831		0851	S17	W59	7729	06	2.9	20	1N			P				E
0012	RAMY	07	1425	1501	1508	S16	W65	7729	06	2.7	43	SF		3	E		18		
		08	0239		0243	No Flare Patrol													
		08	0426		0509	No Flare Patrol													
0013	KANZ	09	0854	0854	0903	S12	E57	7730	06	13.7	9	SF		2	C				
0014	SVTO	09	1007	1014	1037	S14	E67	7730	06	14.5	30	SF	C 1.1	3	E		48		FU
0015	SVTO	09	1145	1145	1148	S12	E53	7730	06	13.5	3	SF		3	E		12		
0016	SVTO	09	1403	1403	1406	S12	E52	7730	06	13.5	3	SF		3	E		18		H
0017	LEAR	10	0306	0307	0317	S16	E51	7730	06	14.0	11	SF		3	E		36		
0018	LEAR	10	0307	0313	0319	S04	W43	7732	06	6.9	12	SF		3	E		51		
		11	1408		1449	No Flare Patrol													
0019	HOLL	11	1733	1734	1737	N08	E29	7731	06	13.9	4	SF	B 1.8	3	E		14		H
0020	PALE	11	1734E	1742U	1751D	N08	E29	7731	06	13.9	17D	SF		3	E		12		H
		11	2319		2322	No Flare Patrol													
0021	RAMY	12	1049	1054	1118	S13	E27	7730	06	14.5	29	SF	B 4.6	3	E		33		F
		12	1231		1331	No Flare Patrol													
		12	1342		1344	No Flare Patrol													
		12	1401		1420	No Flare Patrol													
		13	1101		1204	No Flare Patrol													

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0022		14	22482	22501	2254	N12	W39	7734	06	12.0	6	SF					44	1.0	D
	KHAR	14	2248	2251	2256	N12	W41	7734	06	11.9	8	SF		2	C	2251	72	1.0	D
	HOLL	14	2250	2250	2253	N12	W37	7734	06	12.2	3	SF		3	E		16		
0023	HTPR	15	0837	0841	0846	S15	W25	7730	06	13.5	9	SF			C	0841	50	1.1	
0024	HOLL	15	1311	1315	1318	N13	W49	7734	06	11.8	7	SF		3	E		29		
0025	HOLL	15	1510	1515	1531	S14	E44	7735	06	18.9	21	SF		3	E		15		
0026	HOLL	15	1522	1522	1526	N12	W48	7734	06	12.0	4	SF	B 3.4	3	E		22		
0027	HOLL	15	1730	1734	1741	S12	W27	7730	06	13.7	11	SF		3	E		17		F
0028	HOLL	15	1802	1802	1809	N12	W48	7734	06	12.1	7	SF	B 3.6	3	E		18		
		15	2044		2159	No Flare Patrol													
0029		16	0041	0041	0044	S11	W30	7730	06	13.8	3	SF					19		
	HOLL	16	0041	0041	0044	S11	W30	7730	06	13.8	3	SF		3	E		20		
	PALE	16	0042E	0042U	0045D	S11	W29	7730	06	13.8	3D	SF		2	E		18		
0030		16	17481	1749	1754	N12	W66	7734	06	11.8	6	SF	B 4.1				14		
	HOLL	16	1748	1749	1753	N12	W66	7734	06	11.8	5	SF		3	E		13		
	RAMY	16	1749	1749	1755	N11	W65	7734	06	11.8	6	SF	B 4.1	3	E		15		
0031		16	2339	23402	2354	N14	W68	7734	06	11.8	15	1F	C 1.0				88		
	PALE	16	2338E	2340U	2346D	N13	W69	7734	06	11.8	8D	SF		2	E		36		
	HOLL	16	2339	2340	2350	N12	W70	7734	06	11.7	11	SF	C 1.0	3	E		50		
	MITK	16	2339	2342	2358	N16	W66	7734	06	12.0	19	2N			C	2342	238		
	LEAR	16	2340E	2340U	2348D	N13	W67	7734	06	11.9	8D	SF		2	E		28		
0032	LEAR	17	0006	0007	0016	S12	W42	7730	06	13.8	10	SF	B 2.5	3	E		16		
0033		17	11441	11472	1154	N13	W73	7734	06	12.0	10	SF	B 8.4				49	2.5	E
	HTPR	17	1144	1148	1156	N15	W75	7734	06	11.7	12	1F			C	1148	100	2.5	E
	SVTO	17	1145	1147	1153	N13	W72	7734	06	12.0	8	SF	B 8.4	3	E		31		
	RAMY	17	1145	1149	1154	N11	W72	7734	06	12.1	9	SF		3	E		15		
		17	2032		2244	No Flare Patrol													
0034	RAMY	18	2025	2026	2032	S13	W01	7735	06	18.8	7	SF	B 3.1	3	E		20		F
		18	2103		2239	No Flare Patrol													
		19	2115		2137	No Flare Patrol													
		19	2215		2219	No Flare Patrol													
0035	HOLL	19	2257	2257	2303	S14	E47	7737	06	23.5	6	SF		3	E		15		F
		20	1101		1110	No Flare Patrol													
		20	1253		1355	No Flare Patrol													
		20	1411		1526	No Flare Patrol													
		20	1929		1931	No Flare Patrol													
		20	1947		2001	No Flare Patrol													
		20	2049		2132	No Flare Patrol													
		21	1801		1943	No Flare Patrol													
		22	1910		1924	No Flare Patrol													
		22	2104		2121	No Flare Patrol													
		24	0210		0227	No Flare Patrol													
0036	URUM	24	0230E	0231	0240	S11	W29	7740	06	21.9	10D				C		32	0.4	D
0037		24	0731*	07375	0753	S14	W34	7740	06	21.7	22	SF	B 4.4				26	0.5	DF
	HTPR	24	0731	0737	0746	S13	W32	7740	06	21.9	15	SF			C	0737	40	0.5	
	KHAR	24	0734	0742	0750U	S18	W38	7740	06	21.4	16U	SF		2	V				D
	SVTO	24	0737	0737	0746	S13	W33	7740	06	21.8	9	SF	B 4.4	3	E		13		
	ISTA	24	0743		0807	S12	W31	7740	06	22.0	24	1N			P				F

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0038		24	10251	10261	1041	S13	W35	7740	06	21.8	16	1N	C 2.9				104	2.1	
	HTPR	24	1025	1026	1043	S13	W35	7740	06	21.8	18	1N			C	1026	160	2.1	
	SVTO	24	1026	1027	1039	S13	W35	7740	06	21.8	13	SF	C 2.9	3	E		47		
0039	KHAR	27	0755E	0755U	0810U	S04	E82		07	3.4	15U	SF		2	P				E
		27	1401		1423	No Flare Patrol													
		27	1432		1435	No Flare Patrol													
		28	0215		0229	No Flare Patrol													
		28	1853		1910	No Flare Patrol													
		28	2056		2122	No Flare Patrol													
		28	2139		2343	No Flare Patrol													
		29	0100		0136	No Flare Patrol													
0040		29	1324*	13308	1350	S11	E47	7742	07	3.1	26	SF	B 4.8				33	0.9	D
	SVTO	29	1324	1330	1404D	S11	E46	7742	07	3.0	40D	SF		2	E		27		
	HTPR	29	1326	1334	1355	S12	E48	7742	07	3.2	29	SN			C	1334	60	0.9	D
	KANZ	29	1327	1331	1355	S12	E46	7742	07	3.0	28	SF		2	C				
	HOLL	29	1336	1338	1341	S10	E47	7742	07	3.1	5	SF	B 4.8	3	E		12		
0041		29	14372	14391	1501	S11	E46	7742	07	3.1	24	SF	B 9.1				17		F
	HOLL	29	1437	1440	1503	S11	E46	7742	07	3.1	26	SF	B 9.1	3	E		16		
	SVTO	29	1438	1440	1504D	S11	E46	7742	07	3.1	26D	SF		2	E		18		F
	KANZ	29	1439	1439	1459	S12	E47	7742	07	3.1	20	SF		2	C				
0042	RAMY	29	1618	1619	1622	S11	E47	7742	07	3.2	4	SF	B 2.0	3	E		13		F
		29	1656		1702	No Flare Patrol													
0043	HOLL	29	2018	2019U	2023	S11	E44	7742	07	3.1	5	SF	B 1.6	3	E		15		
		29	2136		2142	No Flare Patrol													
0044	HOLL	29	2144E	2149	2216	S13	E43	7742	07	3.2	32D	SF	C 1.2	3	E		36		
		29	2226		2259	No Flare Patrol													
		29	2305		2322	No Flare Patrol													
0045		30	0108*	01184	0150	S12	E40	7742	07	3.1	42	SN	B 4.5				57		D
	YUNN	30	0108	0122	0158	S10	E40	7742	07	3.0	50	SN			C		103		D
	LEAR	30	0118	0118	0141	S13	E39	7742	07	3.0	23	SF	B 4.5	3	E		11		
0046	LEAR	30	0246	0251	0309	S13	E38	7742	07	3.0	23	SF	C 1.5	3	E		22		
0047	LEAR	30	0407	0410	0423	S14	E53	7743	07	4.2	16	SF	B 5.6	3	E		11		
0048	LEAR	30	0428	0429	0439	S12	E49	7743	07	3.9	11	SF		3	E		20		
0049		30	08005	08065	0846	S11	E36	7742	07	3.0	46	SN	C 2.4				40	0.4	EFGIK
	HTPR	30	0800	0806	0936	S11	E36	7742	07	3.0	96	SN			C	0806	30	0.4	K
	SVTO	30	0800	0811	0831	S10	E35	7742	07	3.0	31	SF	C 2.4	4	E		44		F
	KANZ	30	0801	0809	0837	S12	E35	7742	07	3.0	36	SF		2	C				
	LEAR	30	0804	0808	0834	S12	E35	7742	07	3.0	30	SF		3	E		45		F
	ISTA	30	0805		0833	S11	E37	7742	07	3.1	28	SB			P				EI
	KHAR	30	0825E	0825U	0835U	S09	E36	7742	07	3.0	10U	SN		2	V				G
0050		30	0901	09011	0928	S11	E35	7742	07	3.0	27	SF	B 7.4				15		FH
	KANZ	30	0901	0901	0937	S12	E35	7742	07	3.0	36	SF		2	C				
	SVTO	30	0901	0902	0918	S10	E35	7742	07	3.0	17	SF	B 7.4	4	E		15		FH
0051	KHAR	30	1112U		1142U	S08	E36	7742	07	3.2	30U	SF		2	V				DG
0052		30	13363	13397	1419	S11	E32	7742	07	3.0	43	SF	B 5.8				45	1.2	FHKT
	HTPR	30	1336	1340	1430	S11	E33	7742	07	3.0	54	SN			C	1340	100	1.2	KT
	HOLL	30	1337	1341	1421	S11	E31	7742	07	2.9	44	SF	B 5.8	3	E		46		F
	RAMY	30	1338	1339	1422	S10	E32	7742	07	3.0	44	SF		3	E		21		F
	KANZ	30	1339	1339	1419	S11	E33	7742	07	3.0	40	SF		2	C				
	SVTO	30	1339	1346	1403	S11	E32	7742	07	3.0	24	SF		3	E		14		FH

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0053	RAMY	30	1558	1559	1604	S11	E36	7742	07	3.4	6	SF		3	E		11		H
0054	RAMY	30	1621	1624	1648	S11	E31	7742	07	3.0	27	SF	B 4.1	3	E		11		F
0055	HOLL	30	1806	1815	1829	S12	E31	7742	07	3.1	23	SF	B 3.9	3	E		25		
0056	HOLL	30	2118	2122	2212	S12	E27	7742	07	2.9	54	1B	M 2.5	3	E		223		FH
		30	2313		2354	No Flare Patrol													

"Remarks"

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.
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.

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