Hα SOLAR FLARES

JUNE 2005

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		01	0133		0316	No Flare Patrol													
		01	0328		0433	No Flare Patrol													
0001	KANZ	01	1045	1046	1056	S18	E46	10772	06	4.9	11	SF	2		E				
0002	HOLL	01	1245	1245	1248	S17	E45	10772	06	4.9	3	SF	3		E		13		F
0003	HOLL	01	1753	1754	1802	S17	E42	10772	06	4.9	9	SF	3		E		13		FH
0004	HOLL	01	1803	1816	1827	S16	E40	10772	06	4.8	24	SF	3		E		26		F
0005	HOLL	01	2213	2216	2224	S16	E38	10772	06	4.8	11	SF	3		E		33		FR
0006	LEAR	02	0154	0156	0200	S17	E34	10772	06	4.7	6	SF	3		E		23		
		02	0705		0721	No Flare Patrol													
		02	1002		1003	No Flare Patrol													
		02	1017		1019	No Flare Patrol													
		02	1021		1025	No Flare Patrol													
		02	1029		1030	No Flare Patrol													
		02	1032		1047	No Flare Patrol													
		02	1132		1136	No Flare Patrol													
		02	1140		1206	No Flare Patrol													
		02	1227		1234	No Flare Patrol													
		02	1251		1252	No Flare Patrol													
		02	1257		1302	No Flare Patrol													
		02	1925		1950	No Flare Patrol													
		02	2010		2014	No Flare Patrol													
		02	2023		2035	No Flare Patrol													
		02	2350		2400	No Flare Patrol													
		03	0003		0026	No Flare Patrol													
0007	LEAR	03	0210	0227	0255	S18	E20	10772	06	4.6	45	SF	3		E		61		FU
		03	0254		0300	No Flare Patrol													
0008	LEAR	03	0407	0410	0445	S18	E21	10772	06	4.8	38	1B	3		E		129		UZ
0009	KANZ	03	1223E	1226U	1238D	S18	E14	10772	06	4.6	15D	SF	2		E				
0010	HOLL	03	2351	2353	2434	S17	E09	10772	06	4.7	43	SN	3		E		64		F
0011	HOLL	04	0037	0040	0050	S18	E08	10772	06	4.6	13	SF	3		E		24		
0012		04	0053	01015	0115	S18	E08	10772	06	4.6	22	SF					60		F
	HOLL	04	0053	0101	0115	S19	E08	10772	06	4.6	22	SF	3		E		51		F
	LEAR	04	0105E	0106	0217D	S17	E08	10772	06	4.6	72D	SF	3		E		69		
		04	0137		0216	No Flare Patrol													
		04	0250		0347	No Flare Patrol													
0013	LEAR	04	0434	0434	0443	S20	E06	10772	06	4.6	9	SF	3		E		12		F
0014	KANZ	04	0641	0647	0651	S18	E03	10772	06	4.5	10	SF	2		E				
		04	1644		2400	No Flare Patrol													
0015	HOLL	04	1654	1655	1704	S17	W01	10772	06	4.6	10	SF	3		E		33		FH
		05	0000		0122	No Flare Patrol													
		05	0201		0203	No Flare Patrol													
0016	LEAR	05	0327	0330	0341	S17	W06	10772	06	4.7	14	SF	3		E		58		
		05	1026		1053	No Flare Patrol													
		05	1108		1120	No Flare Patrol													
		05	1153		1201	No Flare Patrol													
		05	1210		1252	No Flare Patrol													
		06	0230		0253	No Flare Patrol													

JUNE 2005

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0017	LEAR	06	0332	0335	0424	S16	W21	10772	06	4.5	52	1F		3	E		103		FH
0018	LEAR	06	0410	0426	0446	S05	E65	10776	06	11.0	36	1F		3	E		115		E
		06	0412		0417	No Flare Patrol													
		06	0501		0510	No Flare Patrol													
		06	0538		0541	No Flare Patrol													
		06	0714		0720	No Flare Patrol													
		06	0950		1211	No Flare Patrol													
0019	HOLL	06	1849	1851	1909	S15	W26	10772	06	4.8	20	SF		3	E		24		
0020	LEAR	07	0143	0143	0153	S05	E53	10776	06	11.0	10	SF		3	E		11		
0021	LEAR	07	0151	0151	0200	N11	E46	10775	06	10.5	9	SF		3	E		12		
		07	0249		0312	No Flare Patrol													
		07	0319		0401	No Flare Patrol													
		07	1017		1038	No Flare Patrol													
0022		07	13381	1339	1350	S17	W38	10772	06	4.7	12	SF					52		FH
	HOLL	07	1338	1339	1354	S16	W37	10772	06	4.8	16	SF		3	E		82		FH
	SVTO	07	1339	1339	1346	S18	W38	10772	06	4.7	7	SF		3	E		22		F
0023	LEAR	08	0128	0129	0154	S05	E40	10776	06	11.0	26	SF		3	E		28		
		08	0312		0328	No Flare Patrol													
0024	LEAR	08	0616	0624	0656	S05	E37	10776	06	11.0	40	SF		3	E		42		
0025	KANZ	08	0622	0632	0655	S06	E42	10776	06	11.4	33	SF		2	E				
		08	0718		0721	No Flare Patrol													
		08	0742		0743	No Flare Patrol													
		08	1043		1117	No Flare Patrol													
0026	HOLL	08	2119	2119	2122	S05	E28	10776	06	11.0	3	SF		3	E		16		
0027	LEAR	09	0022	0023	0025	N11	E20	10775	06	10.5	3	SF		3	E		20		F
		09	0204		0256	No Flare Patrol													
0028	LEAR	09	0259	0301	0311	N11	E19	10775	06	10.5	12	SF		3	E		22		
		09	0459		0623	No Flare Patrol													
		09	0639		0652	No Flare Patrol													
		09	0702		0703	No Flare Patrol													
		09	0747		0800	No Flare Patrol													
		09	1054		1109	No Flare Patrol													
0029	HOLL	09	1657	1657	1705	S06	E18	10776	06	11.0	8	SF		3	E		15		F
		09	2304		2325	No Flare Patrol													
0030	LEAR	10	0839	0839	0842	S05	E08	10776	06	10.9	3	SF		3	E		22		
		10	0943		1001	No Flare Patrol													
		10	1055		1105	No Flare Patrol													
		10	1117		1119	No Flare Patrol													
		10	1122		1123	No Flare Patrol													
0031	LEAR	12	0206	0213	0234	N06	W21	10775	06	10.5	28	SF		3	E		24		F
0032	LEAR	12	0224	0232	0254	S05	W15	10776	06	11.0	30	SF		3	E		46		F
0033	LEAR	12	0250	0251	0334	N11	W21	10775	06	10.5	44	SF		3	E		24		F
0034	LEAR	12	0334	0406	0417	N10	W19	10775	06	10.7	43	SF		3	E		37		F
		12	1123		1151	No Flare Patrol													

Hα SOLAR FLARES

JUNE 2005

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		12	1213		1215	No Flare Patrol													
0035	HOLL	12	1603	1605	1614	N09	W32	10775	06	10.3	11	SF		3	E		13		F
0036	HOLL	12	1615	1615	1624	N09	W32	10775	06	10.3	9	SF		3	E		15		F
		13	0120		0332	No Flare Patrol													
		13	0929		0931	No Flare Patrol													
		13	0933		0936	No Flare Patrol													
		13	0938		0939	No Flare Patrol													
		13	0943		0945	No Flare Patrol													
		13	1010		1012	No Flare Patrol													
		13	1118		1122	No Flare Patrol													
		13	1128		1145	No Flare Patrol													
		13	1150		1152	No Flare Patrol													
		13	1202		1210	No Flare Patrol													
0037	LEAR	14	0514	0515	0522	S09	W43	10776	06	11.0	8	SF		3	E		13		FU
0038		14	07012	07108	0814	N09	W46	10775	06	10.8	73	1F					107		UZ
	KANZ	14	0701	0710	0815	N10	W48	10775	06	10.7	74	1F		2	E				
	LEAR	14	0703	0718	0813	N08	W45	10775	06	10.9	70	1F		3	E		107		ZU
0039	HOLL	14	1542	1555	1624	N11	W59	10775	06	10.2	42	SF		3	E		86		FZ
		14	2116		2120	No Flare Patrol													
		14	2223		2229	No Flare Patrol													
		15	1109		1110	No Flare Patrol													
		15	1112		1121	No Flare Patrol													
		15	1131		1134	No Flare Patrol													
		15	1136		1138	No Flare Patrol													
		15	1147		1210	No Flare Patrol													
0040	HOLL	15	1840	1842	1849	S05	W58	10776	06	11.4	9	SF		3	E		20		F
		15	2244		2309	No Flare Patrol													
		15	2327		2336	No Flare Patrol													
		16	0123		0136	No Flare Patrol													
0041	LEAR	16	0158	0200	0211	S06	W63	10776	06	11.4	13	SF		3	E		33		F
		16	0526		0529	No Flare Patrol													
		16	0730		0732	No Flare Patrol													
		16	0737		0740	No Flare Patrol													
		16	0852		1209	No Flare Patrol													
		16	1212		1214	No Flare Patrol													
		16	1217		1309	No Flare Patrol													
		16	1450		1549	No Flare Patrol													
		16	1703		1712	No Flare Patrol													
		16	1719		1729	No Flare Patrol													
0042	HOLL	16	2009	2010U	2016	N09	W87	10775	06	10.3	7	SF		3	E		41		EF
		16	2028		2035	No Flare Patrol													
		16	2043		2056	No Flare Patrol													
		16	2308		2320	No Flare Patrol													
		17	0255		0302	No Flare Patrol													
		17	0407		0413	No Flare Patrol													
		17	0426		0455	No Flare Patrol													
		17	0527		0529	No Flare Patrol													
0043		18	0018	0021	0024	S08	E66	10780	06	23.0	6	SF					32		FR
	HOLL	18	0018	0021	0024	S07	E66	10780	06	22.9	6	SF		3	E		26		
	LEAR	18	0018	0021	0039D	S08	E66	10780	06	23.0	21D	SF		3	E		38		FR
0044	LEAR	18	0158	0159	0202	S07	E66	10780	06	23.0	4	SF		3	E		38		
0045	LEAR	18	0228	0230	0233	S07	E65	10780	06	23.0	5	SF		3	E		28		

JUNE 2005

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0046	LEAR	18	0239	0241	0246	S08	E65	10780	06 23.0	7	SF		3	E		36		F
0047	LEAR	18	0449	0449	0453	S08	E63	10780	06 22.9	4	SF		3	E		10		
0048	LEAR	18	0825	0829	0835	S05	E61	10780	06 22.9	10	SF		3	E		23		FH
0049	HOLL	18	2307	2308	2310	S05	E54	10780	06 23.0	3	SF		3	E		17		EF
0050	HOLL	18	2309	2311	2319	S17	W30	10779	06 16.7	10	SF		3	E		42		EF
		19	1056		1211	No Flare Patrol												
0051	HOLL	19	1924	1926	1936	S16	W43	10779	06 16.5	12	SF		3	E		29		EF
		20	0208		0338	No Flare Patrol												
		20	1939		1950	No Flare Patrol												
		20	2032		2043	No Flare Patrol												
		20	2047		2321	No Flare Patrol												
		21	0254		0301	No Flare Patrol												
		21	0335		0350	No Flare Patrol												
		21	0708		0728	No Flare Patrol												
		21	0921		0945	No Flare Patrol												
0052	HOLL	21	1802	1803	1821	S05	E15	10780	06 22.9	19	SF		3	E		27		F
		21	1806		1820	No Flare Patrol												
		21	1923		1950	No Flare Patrol												
		21	2015		2040	No Flare Patrol												
		22	0018		0027	No Flare Patrol												
		22	0039		0040	No Flare Patrol												
		22	0111		0119	No Flare Patrol												
		22	0124		0156	No Flare Patrol												
		22	0210		0340	No Flare Patrol												
0053	HOLL	22	1629	1630	1646	S09	E02	10780	06 22.8	17	SF		3	E		53		EF
		23	0209		0340	No Flare Patrol												
		25	0148		0317	No Flare Patrol												
0054		25	0340	0345	0359	S08	W38	10780	06 22.3	19	SF					45		FU
	LEAR	25	0340	0345	0359	S08	W38	10780	06 22.3	19	SF		3	E		55		UF
	SVTO	25	0342E	0342U	0402D	S07	W38	10780	06 22.3	20D	SF		2	E		35		F
		25	1748		1809	No Flare Patrol												
		25	1814		1836	No Flare Patrol												
		25	1842		1919	No Flare Patrol												
		25	2043		2123	No Flare Patrol												
		25	2127		2224	No Flare Patrol												
		25	2251		2305	No Flare Patrol												
		26	2124		2130	No Flare Patrol												
		26	2303		2305	No Flare Patrol												
		27	0208		0349	No Flare Patrol												
0055	HOLL	27	1805	1806	1810	N13	E83	10781	07 4.0	5	SF		3	E		20		
		27	2121		2138	No Flare Patrol												
		27	2333		2337	No Flare Patrol												
		28	0104		0131	No Flare Patrol												
		28	0152		0222	No Flare Patrol												
		28	0245		0342	No Flare Patrol												
		28	0351		0417	No Flare Patrol												
0056	KANZ	28	1020	1024	1025	N11	E68	10781	07 3.5	5	SF		2	E				
		28	2249		2302	No Flare Patrol												
		28	2316		2333	No Flare Patrol												
		29	0005		0049	No Flare Patrol												
		29	0058		0342	No Flare Patrol												
		29	2221		2244	No Flare Patrol												
		30	0211		0354	No Flare Patrol												

Hα SOLAR FLARES

JUNE 2005

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		30	1020		1023	No Flare Patrol													
		30	1028		1029	No Flare Patrol													
		30	1031		1033	No Flare Patrol													
		30	1037		1038	No Flare Patrol													
		30	1743		1801	No Flare Patrol													
		30	2219		2238	No Flare Patrol													
		30	2245		2400	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