Hα SOLAR FLARES

APRIL 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
		02	0119		0158	No Flare Patrol													
		02	0436		0532	No Flare Patrol													
		03	0217		0235	No Flare Patrol													
		03	0303		0317	No Flare Patrol													
		03	0348		0445	No Flare Patrol													
		03	1524		2400	No Flare Patrol													
		04	0000		0111	No Flare Patrol													
		04	0127		0207	No Flare Patrol													
		04	0217		0449	No Flare Patrol													
		04	1849		1928	No Flare Patrol													
		04	2018		2036	No Flare Patrol													
		04	2142		2146	No Flare Patrol													
		05	0015		0526	No Flare Patrol													
		05	0532		0621	No Flare Patrol													
		05	0642		0655	No Flare Patrol													
		05	0729		0749	No Flare Patrol													
		05	1034		1045	No Flare Patrol													
		05	1114		1115	No Flare Patrol													
		05	1218		1239	No Flare Patrol													
0001	HOLL	05	2004	2004	2009	S05	W44	10747	04	2.5	5	SF		3	E		13		F
		06	0159		0346	No Flare Patrol													
0002	KANZ	06	0632	0633	0636	S06	W51	10747	04	2.4	4	SF		2	E				
		07	0203		0351	No Flare Patrol													
		07	2251		2324	No Flare Patrol													
		08	0216		0523	No Flare Patrol													
		08	1229		1243	No Flare Patrol													
		08	1313		1333	No Flare Patrol													
		08	1339		1345	No Flare Patrol													
		08	1412		1420	No Flare Patrol													
		08	1422		1423	No Flare Patrol													
		08	1519		1530	No Flare Patrol													
		08	1552		1613	No Flare Patrol													
		08	1636		1645	No Flare Patrol													
		08	1808		1842	No Flare Patrol													
		08	1859		1927	No Flare Patrol													
		08	1945		1956	No Flare Patrol													
		08	2120		2400	No Flare Patrol													
		09	0000		0139	No Flare Patrol													
		09	0332		0414	No Flare Patrol													
		09	0955		1300	No Flare Patrol													
		10	0951		1025	No Flare Patrol													
		10	1031		1049	No Flare Patrol													
		10	1108		1259	No Flare Patrol													
		10	1616		1706	No Flare Patrol													
		10	1942		1946	No Flare Patrol													
		10	2005		2035	No Flare Patrol													
		10	2050		2109	No Flare Patrol													
		10	2122		2135	No Flare Patrol													
		10	2143		2310	No Flare Patrol													
		11	0213		0235	No Flare Patrol													
		12	0123		0304	No Flare Patrol													
		12	0312		0437	No Flare Patrol													
		12	0931		1257	No Flare Patrol													
		12	1657		1716	No Flare Patrol													
0003	HOLL	12	1718	1719	1724	N00	E77	10752	04	18.5	6	SF		3	E		12		F
		12	2255		2302	No Flare Patrol													
		12	2346		2354	No Flare Patrol													
		12	2400		2400	No Flare Patrol													
		13	0000		0318	No Flare Patrol													
		13	0358		0452	No Flare Patrol													
		13	0551		0609	No Flare Patrol													
		13	0621		0624	No Flare Patrol													
		13	0637		0642	No Flare Patrol													
		13	0931		1255	No Flare Patrol													

APRIL 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	Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		13	2254		2325	No Flare Patrol													
		14	0058		0159	No Flare Patrol													
		14	1449		1500	No Flare Patrol													
		14	1733		1803	No Flare Patrol													
		14	1910		1922	No Flare Patrol													
		15	1707		1715	No Flare Patrol													
		16	0948		1101	No Flare Patrol													
		16	1109		1144	No Flare Patrol													
		16	1620		1621	No Flare Patrol													
		16	1707		1950	No Flare Patrol													
		16	1957		2005	No Flare Patrol													
		16	2016		2112	No Flare Patrol													
0004	KANZ	17	0722	0723	0728	N01	E09	10752	04	18.0	6	SF		2	E				
		17	0949		0950	No Flare Patrol													
		17	0953		0954	No Flare Patrol													
		17	0959		1003	No Flare Patrol													
		17	1006		1045	No Flare Patrol													
		17	1053		1054	No Flare Patrol													
		17	1101		1111	No Flare Patrol													
		17	1115		1252	No Flare Patrol													
0005		17	2059	2108	2119	S13	E77	10755	04	23.7	20	SF					34		F
	HOLL	17	2059	2108	2119	S13	E77	10755	04	23.7	20	SF		3	E		34		F
	HOLL	17	2059	2108	2119	S13	E77	10755	04	23.7	20	SF		3	E		34		F
		18	0204		0355	No Flare Patrol													
0006	HOLL	18	1457	1503	1510	N02	W07	10752	04	18.1	13	SF		3	E		18		F
		19	0957		1027	No Flare Patrol													
		19	1146		1155	No Flare Patrol													
		19	1222		1246	No Flare Patrol													
		19	1822		2256	No Flare Patrol													
		20	0952		1011	No Flare Patrol													
		20	1246		1248	No Flare Patrol													
		20	1457		1659	No Flare Patrol													
		20	1716		1721	No Flare Patrol													
		20	1902		2011	No Flare Patrol													
		21	1126		1138	No Flare Patrol													
		21	1152		1245	No Flare Patrol													
		22	0230		0405	No Flare Patrol													
		22	1827		2044	No Flare Patrol													
		22	2221		2303	No Flare Patrol													
		22	2324		2331	No Flare Patrol													
		23	1907		2131	No Flare Patrol													
		24	1301		1312	No Flare Patrol													
		24	1342		1359	No Flare Patrol													
		24	1456		1624	No Flare Patrol													
		24	1656		1755	No Flare Patrol													
		24	2028		2046	No Flare Patrol													
		25	0407		0616	No Flare Patrol													
		25	0619		0622	No Flare Patrol													
		25	0624		0654	No Flare Patrol													
		25	0913		1240	No Flare Patrol													
		25	2057		2120	No Flare Patrol													
		25	2218		2230	No Flare Patrol													
		25	2241		2250	No Flare Patrol													
		25	2357		2400	No Flare Patrol													
		26	0000		0003	No Flare Patrol													
		26	0008		0024	No Flare Patrol													
		26	0038		0428	No Flare Patrol													
0007	HOLL	26	1811	1816	1821	S05	E62	10756	05	1.4	10	SF		3	E		22		F
0008	HOLL	26	2004	2008	2016	S06	E65	10756	05	1.7	12	SF		3	E		20		F
		26	2108		2118	No Flare Patrol													
		27	0032		0058	No Flare Patrol													

Hα SOLAR FLARES

APRIL 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
		27	0107		0131	No Flare Patrol													
		27	0143		0426	No Flare Patrol													
		28	0050		0423	No Flare Patrol													
		28	2024		2141	No Flare Patrol													
		28	2147		2248	No Flare Patrol													
		28	2324		2400	No Flare Patrol													
		29	0000		0422	No Flare Patrol													
0009	HOLL	29	2037	2037	2053	S10	E17	10756	05	1.1	16	SF		3	E		38		F
		29	2058		2106	No Flare Patrol													
		29	2122		2138	No Flare Patrol													
		29	2145		2400	No Flare Patrol													
		30	0000		0152	No Flare Patrol													
		30	0211		0226	No Flare Patrol													
		30	0233		0248	No Flare Patrol													
		30	0257		0325	No Flare Patrol													
		30	0721		0722	No Flare Patrol													
		30	0727		0728	No Flare Patrol													
		30	0737		0738	No Flare Patrol													
0010	HOLL	30	1258	1305	1307	S10	E09	10756	05	1.2	9	1F		3	E		179		E
0011	HOLL	30	1823	1827	1836	S10	E04	10756	05	1.1	13	SF		3	E		20		F
		30	2338		2349	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