Hα S O L A R F L A R E S

FEBRUARY 1997

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		01	0557		0701	No Flare Patrol													
0001	LEAR	02	0116	0116	0130	N03	W09	8015	02	1.4	14	SF		3	E		15		
		02	0202		0259	No Flare Patrol													
		02	0332		0537	No Flare Patrol													
		02	0616		0635	No Flare Patrol													
0002	SVTO	02	0636E	0638U	0646D	S23	E36	8016	02	5.0	10D	SF	C 2.6	2	E		52		F
0003		02	09312	0933	0938	S21	E30	8016	02	4.7	7	SF					17		
	SVTO	02	0931	0933	0939	S20	E31	8016	02	4.8	8	SF		3	E		17		
	KANZ	02	0933	0933	0937	S22	E30	8016	02	4.7	4	SF		2	C				
0004		02	09432	0945	1000	S21	E30	8016	02	4.7	17	SF	B 3.7				26		
	SVTO	02	0943	0945	0959	S20	E31	8016	02	4.8	16	SF	B 3.7	3	E		26		
	KANZ	02	0945	0945	1001	S22	E30	8016	02	4.7	16	SF		2	C				
0005		02	10561	1057	1105	S21	E30	8016	02	4.7	9	SF	B 5.2				19		
	SVTO	02	1056	1057U	1104D	S20	E30	8016	02	4.7	8D	SF	B 5.2	3	E		19		
	KANZ	02	1057	1057	1105	S22	E30	8016	02	4.8	8	SF		2	C				
0006		02	1145	11451	1150	S20	E30	8016	02	4.8	5	SF					19		
	KANZ	02	1145	1145	1149	S21	E30	8016	02	4.8	4	SF		2	C				
	SVTO	02	1145	1146	1150	S20	E30	8016	02	4.8	5	SF		3	E		19		
0007		02	13481	13492	1359	S21	E29	8016	02	4.8	11	SF	B 6.4				13		
	SVTO	02	1348	1351	1401	S20	E28	8016	02	4.7	13	SF	B 6.4	3	E		13		
	KANZ	02	1349	1349	1357	S22	E30	8016	02	4.9	8	SF		2	C				
0008	RAMY	02	1428	1434	1604	S21	E27	8016	02	4.7	96	SF		3	E		25		F
0009	HOLL	02	1928	1931	1933	S21	E25	8016	02	4.7	5	SF	B 6.2	3	E		12		
		03	0107		0538	No Flare Patrol													
0010		03	10173	10182	1032	S22	E16	8016	02	4.6	15	SF	B 4.2				36		F
	SVTO	03	1017	1018	1030D	S22	E16	8016	02	4.6	13D	SF	B 4.2	3	E		33		F
	LEAR	03	1018E	1018	1024D	S22	E17	8016	02	4.7	6D	SF		3	E		40		F
	KANZ	03	1020	1020	1032	S21	E16	8016	02	4.6	12	SF		2	C				
0011		03	12582	13004	1326	N05	W28	8015	02	1.4	28	SF					15		F
	RAMY	03	1258	1300	1329	N05	W28	8015	02	1.4	31	SF		3	E		15		F
	KANZ	03	1300	1304	1324	N05	W28	8015	02	1.4	24	SF		2	C				
		03	1950		1958	No Flare Patrol													
0012	PALE	04	0107	0107	0111	S21	E08	8016	02	4.6	4	SF	B 3.6	3	E		13		
0013	LEAR	04	0125	0129	0136	N05	W36	8015	02	1.4	11	SF		3	E		16		
0014	LEAR	04	0524	0530	0536	S21	E05	8016	02	4.6	12	SF	B 2.8	3	E		22		
0015		04	1116	1116	1132	S22	E02	8016	02	4.6	16	SF	C 1.8				20		F
	KANZ	04	1116	1116	1132	S22	E03	8016	02	4.7	16	SF		2	C				
	SVTO	04	1116E	1118U	1132D	S21	E01	8016	02	4.5	16D	SF	C 1.8	3	E		20		F
0016		04	13142	13142	1319	N05	W46	8015	02	1.1	5	SF	B 1.6				24		
	SVTO	04	1314	1314	1318	N06	W46	8015	02	1.1	4	SF	B 1.6	3	E		24		
	KANZ	04	1316	1316	1320	N04	W45	8015	02	1.2	4	SF		2	C				
0017		04	18462	18493	1912	N04	W47	8015	02	1.3	26	SF	B 5.8				16		F
	RAMY	04	1846	1852	1913	N04	W48	8015	02	1.2	27	SF	B 5.8	3	E		17		F
	PALE	04	1848	1849	1910	N05	W46	8015	02	1.3	22	SF		3	E		14		
		04	2039		2240	No Flare Patrol													
		04	2246		2303	No Flare Patrol													
		05	1121		1127	No Flare Patrol													
		05	1404		1412	No Flare Patrol													
		05	1728		1734	No Flare Patrol													

FEBRUARY 1997

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)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		05	2128		2225	No Flare Patrol													
		06	1547		1728	No Flare Patrol													
		06	2101		2136	No Flare Patrol													
		07	1557		1558	No Flare Patrol													
		07	1603		1844	No Flare Patrol													
0018	KANZ	08	1354	1358	1402	N31	W75	8017	02	2.7	8	SF		2	C				
		08	1602		1850	No Flare Patrol													
		08	2056		2305	No Flare Patrol													
		08	2310		2400	No Flare Patrol													
		09	0000		0029	No Flare Patrol													
		09	0038		0056	No Flare Patrol													
		09	0201		0215	No Flare Patrol													
		09	1605		1854	No Flare Patrol													
		09	1928		1936	No Flare Patrol													
		09	1951		2111	No Flare Patrol													
		09	2151		2339	No Flare Patrol													
		10	0259		0310	No Flare Patrol													
		10	0426		0441	No Flare Patrol													
		10	0539		0549	No Flare Patrol													
		10	1546		1923	No Flare Patrol													
		10	1941		2051	No Flare Patrol													
		11	1551		1718	No Flare Patrol													
		11	2204		2259	No Flare Patrol													
		12	1141		1147	No Flare Patrol													
		12	1257		1600	No Flare Patrol													
		13	1248		1257	No Flare Patrol													
		13	1451		1743	No Flare Patrol													
		13	2053		2123	No Flare Patrol													
		13	2145		2248	No Flare Patrol													
		15	0825		0846	No Flare Patrol													
		15	1038		1044	No Flare Patrol													
		15	1104		1109	No Flare Patrol													
		15	1119		1125	No Flare Patrol													
		15	1127		1137	No Flare Patrol													
		15	1143		1157	No Flare Patrol													
		15	1203		1436	No Flare Patrol													
		15	1557		1639	No Flare Patrol													
		16	0355		0359	No Flare Patrol													
		16	0536		0748	No Flare Patrol													
		16	0826		0833	No Flare Patrol													
		16	0951		0954	No Flare Patrol													
		16	1123		1205	No Flare Patrol													
		16	1223		1235	No Flare Patrol													
		16	1237		1443	No Flare Patrol													
		17	0028		0106	No Flare Patrol													
		17	0117		0203	No Flare Patrol													
		17	0254		0319	No Flare Patrol													
		17	0354		0407	No Flare Patrol													
		17	0500		0534	No Flare Patrol													
		17	1458		1506	No Flare Patrol													
		17	1517		1539	No Flare Patrol													
		17	1620		1640	No Flare Patrol													
		17	1645		1802	No Flare Patrol													
		18	0806		0812	No Flare Patrol													
		18	1035		1454	No Flare Patrol													
		18	1549		1559	No Flare Patrol													
		18	1623		1830	No Flare Patrol													
		18	1902		1922	No Flare Patrol													
		19	0722		0751	No Flare Patrol													
		19	0759		0808	No Flare Patrol													
		19	1224		1418	No Flare Patrol													
		19	1541		1613	No Flare Patrol													
		19	1615		1629	No Flare Patrol													
		19	1701		1755	No Flare Patrol													
		19	1940		1947	No Flare Patrol													
		19	2030		2100	No Flare Patrol													
		19	2118		2135	No Flare Patrol													
		19	2142		2156	No Flare Patrol													

Hα SOLAR FLARES

FEBRUARY 1997

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
0019	HOLL	19	2220	2222	2228	N08	W79	8018	02 14.0	8	SF	C 3.9	3	E		24		
0020	KANZ	20	0751	0751	0755	N06	W70	8018	02 15.1	4	SF		2	C				
0021	KANZ	20	1047	1047	1051	N06	W79	8018	02 14.5	4	SF		2	C				
0022	KANZ	20	1115	1115	1155	N05	W79	8018	02 14.5	40	SF		2	C				
		20	1611		1713	No Flare Patrol												
		21	0356		0406	No Flare Patrol												
		21	0443		0612	No Flare Patrol												
		23	1552		1612	No Flare Patrol												
		23	1635		1643	No Flare Patrol												
		24	1443		1620	No Flare Patrol												
		25	0758		0829	No Flare Patrol												
		25	1543		2313	No Flare Patrol												
		26	0518		0754	No Flare Patrol												
		26	0820		0859	No Flare Patrol												
		26	1046		1111	No Flare Patrol												
		26	1113		1231	No Flare Patrol												
		26	1346		1409	No Flare Patrol												
		26	1436		1556	No Flare Patrol												
		26	1604		1609	No Flare Patrol												
		27	1120		1243	No Flare Patrol												
		27	1343		1346	No Flare Patrol												
		27	1357		1405	No Flare Patrol												
		27	1442		1504	No Flare Patrol												
		27	1510		1816	No Flare Patrol												
		28	0329		0450	No Flare Patrol												
		28	0516		0558	No Flare Patrol												
		28	0742		0750	No Flare Patrol												
		28	1618		1722	No Flare Patrol												
		28	2309		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