

[illegible]

HÀ S O L A R F L A R E S

J U L Y 2 0 0 9

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
							USAF	CMP						Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		18	1711		1723	No	Flare	Patrol									
		18	1755		1851	No	Flare	Patrol									
		18	1925		1949	No	Flare	Patrol									
		18	2210		2303	No	Flare	Patrol									
		20	0146		0152	No	Flare	Patrol									
		20	2230		2400	No	Flare	Patrol									
		21	0000		0003	No	Flare	Patrol									
		21	0106		0130	No	Flare	Patrol									
		21	0253		0404	No	Flare	Patrol									
		21	1751		2055	No	Flare	Patrol									
		21	2128		2301	No	Flare	Patrol									
		22	2210		2216	No	Flare	Patrol									
		24	2312		2322	No	Flare	Patrol									
		25	2048		2246	No	Flare	Patrol									
		26	2146		2205	No	Flare	Patrol									
		27	1801		1810	No	Flare	Patrol									
		27	2251		2312	No	Flare	Patrol									
		28	2113		2312	No	Flare	Patrol									
		29	1125		1130	No	Flare	Patrol									
		29	1132		1135	No	Flare	Patrol									
		29	2231		2243	No	Flare	Patrol									
		29	2247		2315	No	Flare	Patrol									
		30	2232		2238	No	Flare	Patrol									
		30	2242		2311	No	Flare	Patrol									

"Remarks"

A = Eruptive prominence whose base is less than 90 degrees from central meridian.	O = Observations have been made in the H and K lines of Ca II.
B = Probably the end of a more important flare.	P = Flare shows Helium D3 in emission.
C = Invisible 10 minutes before.	Q = Flare shows Balmer continuum in emission.
D = Brilliant point.	R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
E = Two or more brilliant points.	S = Brightness follows disappearance of filament in same position.
F = Several eruptive centers.	T = Region active all day.
G = No visible spots in the neighborhood.	U = Two bright branches, parallel or converging.
H = Flare accompanied by high-speed dark filament.	V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.
I = Active region very extended.	W = Great increase in area after time of maximum intensity.
J = Distinct variations of plage intensity before or after the flare.	X = Unusually wide H-alpha line.
K = Several intensity maxima.	Y = System of loop-type prominences.
L = Existing filaments show signs of sudden activity.	Z = Major sunspot umbra covered by flare.
M = White-light flare.	
N = Continuous spectrum shows effects of polarization.	

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