

Solar activity ranged from low to moderate levels. Low levels were observed on 06 Sep and moderate (R1-Minor) levels were observed on 02-05 Sep and 07-08 Sep. The strongest event of the reporting period was an M3.3 flare at 02/1602 UTC from Region 3813 (S24, L=149, class/area Fki/490 on 06 Sep). This region produced numerous M-class flares this period. R1-Minor flare activity was also produced from Regions 3806 (S11, L=212, class/area Ekc/480 on 31 Aug), 3807 (S16, L=264, class/area Eki/580 on 02 Sep) and 3815 (S28, L=138, class/area Eso/200 on 07 Sep).

A large CME was observed from a filament eruption, centered at approximately N16W22, at about 08/0000 UTC. Analysis and modelling of the subsequent CME suggested an Earth arrival by mid to late on 10 Sep.

No proton events were observed at geosynchronous orbit. However, proton flux levels became enhanced on 03-04 Sep, reaching a maximum peak of 6.29 pfu at 03/1245 UTC. This flux increase was associated with the long-duration M5.5 (R2-Moderate) flare observed from behind the SE limb midday on 01 Sep.

The greater than 2 MeV electron flux at geosynchronous orbit was at moderate levels on 02-03 Sep and 05-08 Sep. High levels of 1,310 pfu were reached at 04/1545 UTC.

Geomagnetic field activity ranged from quiet to active levels. Quiet to isolated unsettled levels were observed on 02-03 Sep and 05-08 Sep. Unsettled to active levels were observed on 04 Sep when a 01 Sep CME shock arrived at Earth. Total field reached 24 nT with a weak southward Bz signature. Solar wind speeds were at about 450 km/s during this arrival. Other than this activity, solar wind parameters were at mostly background levels.

Space Weather Outlook **09 September - 05 October 2024**

Solar activity is likely to be at moderate levels (R1-R2/Minor-Moderate), with a slight chance for X-class events (R3-Strong), throughout the outlook period. This is due to complex regions on the visible disk, as well as the anticipated return of complex regions.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at normal to moderate levels.

Geomagnetic field activity is expected to range from quiet to G1-G2 (Minor-Moderate) storm levels. Enhanced activity to G1-G2 (Minor-Moderate) levels are likely on 10-11 Sep due to anticipated CME activity. Quiet to unsettled activity is expected on 09 Sep, 17-18 Sep, 28-29 Sep and 05 Oct, with G1 (Minor) levels likely on 26-27 Sep, all due to anticipated recurrent CH



HSS occurrence. Mostly quiet levels are expected on 12-16 Sep, 19-25 Sep, 30 Sep and 01-04 Oct.



Daily Solar Data

Date	Radio Flux 10.7cm	Sun spot No.	Sunspot Area (10 ⁻⁶ hemi.)	X-ray Background Flux	Flares							
					X-ray			Optical				
					C	M	X	S	1	2	3	4
02 September	238	200	1500	C4.1	6	5	0	3	0	0	0	0
03 September	242	133	1320	C2.6	9	2	0	7	1	0	0	0
04 September	262	151	1490	C3.2	10	6	0	10	1	0	0	0
05 September	241	167	1490	C3.2	16	6	0	5	0	0	0	0
06 September	249	188	1280	C2.4	13	0	0	3	1	0	0	0
07 September	222	179	1340	C2.7	7	1	0	11	2	0	0	0
08 September	228	176	1095	C2.0	3	1	0	2	1	0	0	0

Daily Particle Data

Date	Proton Fluence (protons/cm ² -day -sr)		Electron Fluence (electrons/cm ² -day -sr)	
	>1 MeV	>10 MeV	>2MeV	
	02 September	7.7e+05	2.5e+05	3.4e+06
03 September	5.1e+06	3.8e+05	1.3e+07	
04 September	2.6e+07	3.3e+05	2.6e+07	
05 September	9.2e+07	1.8e+05	3.6e+06	
06 September	3.7e+07	1.2e+05	2.8e+06	
07 September	1.4e+07	8.5e+04	4.8e+06	
08 September	8.7e+06	6.2e+04	3.4e+06	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	02 September	7	2-1-2-2-3-2-2-1	12	3-2-2-3-3-4-2-0	8
03 September	10	1-2-2-3-3-3-2-2	8	1-2-3-4-2-1-1-0	7	2-2-2-2-2-2-1-2
04 September	16	1-1-2-4-5-4-2-2	9	0-1-1-3-4-3-1-1	13	1-1-2-4-4-3-2-2
05 September	8	2-2-1-2-3-2-2-2	4	1-2-1-2-1-0-1-2	7	2-2-1-2-2-1-1-2
06 September	8	1-0-2-3-3-2-2-2	7	1-0-2-2-4-1-1-1	8	1-1-2-3-3-1-1-2
07 September	9	2-2-2-2-3-3-2-1	6	2-2-0-1-3-1-2-1	7	3-2-2-2-3-2-2-1
08 September	19	2-2-1-2-3-3-6-3	5	2-2-1-1-2-1-2-1	12	3-2-1-2-3-2-3-2

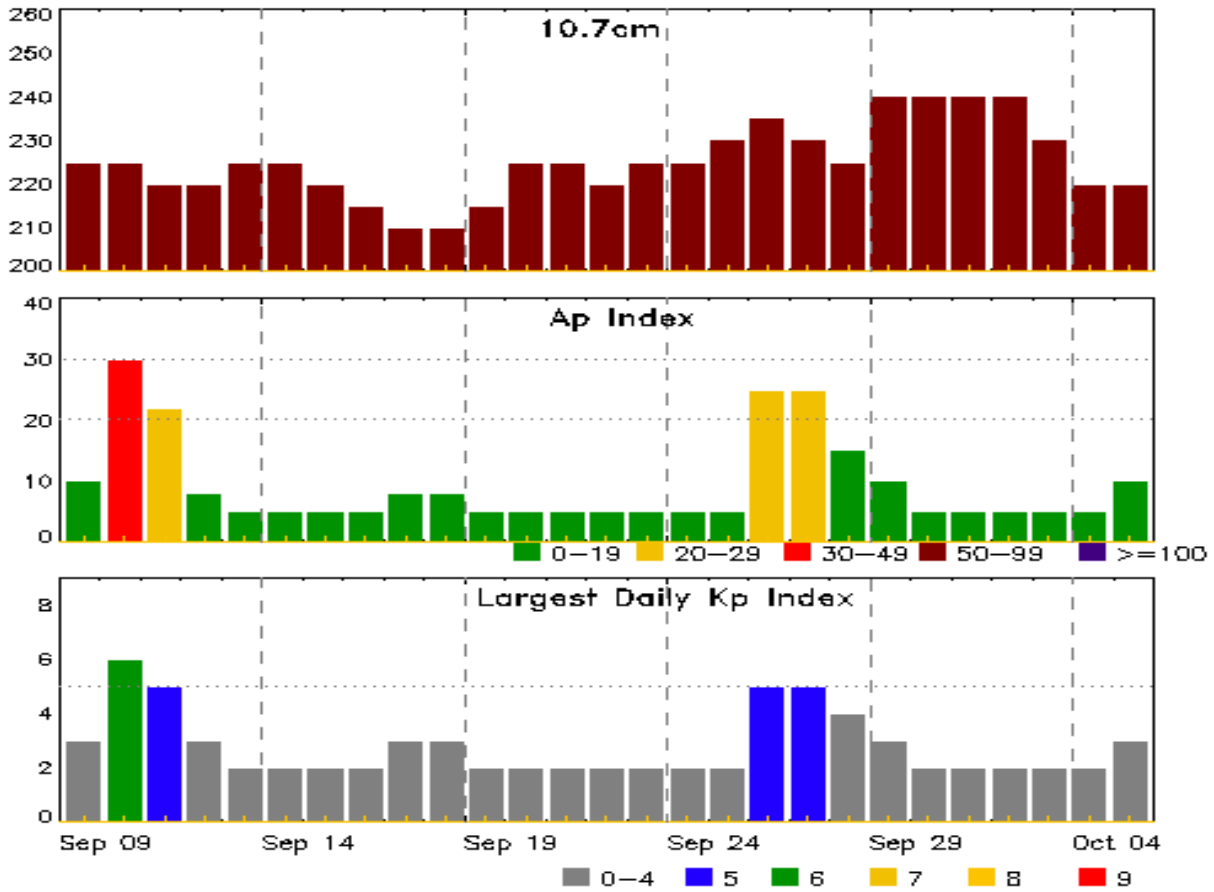


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
03 Sep 0842	ALERT: Type II Radio Emission	03/0753
03 Sep 1255	WARNING: Proton 10MeV Integral Flux > 10pfu	03/1255 - 04/1200
04 Sep 0304	SUMMARY: 10cm Radio Burst	04/0250 - 0251
04 Sep 1017	WARNING: Geomagnetic Sudden Impulse expected	04/1030 - 1100
04 Sep 1039	WARNING: Geomagnetic K = 4	04/1055 - 1800
04 Sep 1043	WARNING: Geomagnetic K = 5	04/1043 - 1800
04 Sep 1043	ALERT: Geomagnetic K = 4	
04 Sep 1100	SUMMARY: Geomagnetic Sudden Impulse	04/1030
04 Sep 1518	ALERT: Electron 2MeV Integral Flux >= 1000pfu	04/1455
04 Sep 1755	EXTENDED WARNING: Geomagnetic K = 4	04/1055 - 2359
08 Sep 0129	ALERT: Type II Radio Emission	08/0057
08 Sep 0753	WATCH: Geomagnetic Storm Category G2 predicted	



Twenty-seven Day Outlook



Date	Radio Flux 10.7cm	Planetary A Index	Largest Kp Index	Date	Radio Flux 10.7cm	Planetary A Index	Largest Kp Index
09 Sep	225	10	3	23 Sep	225	5	2
10	225	30	6	24	225	5	2
11	220	22	5	25	230	5	2
12	220	8	3	26	235	25	5
13	225	5	2	27	230	25	5
14	225	5	2	28	225	15	4
15	220	5	2	29	240	10	3
16	215	5	2	30	240	5	2
17	210	8	3	01 Oct	240	5	2
18	210	8	3	02	240	5	2
19	215	5	2	03	230	5	2
20	225	5	2	04	220	5	2
21	225	5	2	05	220	10	3
22	220	5	2				



Energetic Events

Date	Time			X-ray	Optical Information			Peak		Sweep Freq		
	Begin	Max	Half	Class	Integ Flux	Imp/ Brtns	Location	Rgn #	Radio Flux		Intensity	
			Max						245	2695	II	IV
02 Sep	0518	0529	0549	M1.9	0.026				3813	110		
02 Sep	1333	1343	1353	M2.9	0.032				3807			
02 Sep	1957	2011	2028	M1.4	0.005				3807			
02 Sep	2056	2102	2110	M1.8	0.011				3813			
02 Sep	2235	2301	2330	M1.5	0.039				3807			
03 Sep	0712	0722	0739	M1.4	0.016	SF	S20E57		3813			
03 Sep	1551	1602	1608	M3.3	0.023				3813			
04 Sep	0243	0255	0311	M1.4	0.018	SF	S22E49		3813		250	
04 Sep	0449	0456	0505	M1.2	0.011	SF	S17W62		3807			
04 Sep	0555	0601	0607	M1.0	0.003	SF	S12W12		3806			
04 Sep	0607	0611	0616	M1.0	0.002				3806			
04 Sep	1308	1321	1327	M1.0	0.008				3813			
04 Sep	1941	2000	2016	M1.2	0.023	1F	S13E21		3811			
05 Sep	0017	0020	0024	M1.0	0.002	SF	S15W70		3807			
05 Sep	0312	0325	0337	M1.1	0.014				3806			
05 Sep	0337	0344	0349	M1.0	0.003				3813			
05 Sep	0847	0856	0901	M2.8	0.013	SF	S16W72		3807			
05 Sep	0926	0942	0952	M1.6	0.020				3807			
05 Sep	1320	1325	1335	M1.3	0.009				3807			
07 Sep	0617	0749	0917	M1.6	0.120	1F	S27E34		3815			
08 Sep	1507	1530	1556	M1.5	0.031	1N	S18W30		3813			

Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location	Rgn #
02 Sep	0303	0315	0330	C6.3			3807
02 Sep	0518	0529	0549	M1.9			3813
02 Sep	1121	1129	1135	C6.7			
02 Sep	1333	1343	1353	M2.9			3807
02 Sep	1539	1545	1552	C6.6	SF	S09E10	3806
02 Sep	1925	1930	1934	C9.0			3813
02 Sep	1945	1951	1957	C8.0			3807
02 Sep	1957	2011	2028	M1.4			3807
02 Sep	2056	2102	2110	M1.8			3813
02 Sep	2215	2225	2232	C6.4			3807



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
02 Sep	2235	2301	2330	M1.5			3807
02 Sep	B2307	U2309	2316		SF	S19W48	3807
02 Sep	B2307	2309	2320		SF	S12E52	3811
03 Sep	0109	0116	0123	C7.8			3813
03 Sep	0209	0220	0229	C6.9			3807
03 Sep	0712	0722	0739	M1.4			3813
03 Sep	0719	0719	0721		SF	S17W49	3807
03 Sep	0720	0721	0726		SF	S20E57	3813
03 Sep	0953	1000	1007	C5.5			3807
03 Sep	1040	1050	1055	C8.7			3807
03 Sep	1138	1146	1150	C4.6			3807
03 Sep	1314	1318	1324		SF	S19W52	3807
03 Sep	1342	1405	1459		1N	S18W54	3807
03 Sep	1551	1602	1608	M3.3			3813
03 Sep	1744	1754	1800	C7.5	SN	S15W10	3806
03 Sep	1749	1800	1849		SF	S13E35	3811
03 Sep	1822	1823	1826		SF	S21E56	3813
03 Sep	1919	1923	1933	C5.9	SF	S26E55	3813
03 Sep	2010	2022	2032	C6.6			3806
03 Sep	2355	0002	0008	C6.4			3813
04 Sep	0008	0013	0017	C5.4			3813
04 Sep	0126	0144	0156	C8.2	SF	S10W06	3806
04 Sep	0243	0255	0311	M1.4	SF	S22E49	3813
04 Sep	0449	0456	0505	M1.2	SF	S17W62	3807
04 Sep	0454	0455	0459		SF	S19E47	3813
04 Sep	0555	0601	0607	M1.0	SF	S12W12	3806
04 Sep	0607	0611	0616	M1.0			3806
04 Sep	0934	0940	0944	C5.0			3807
04 Sep	1123	1128	1133	C4.4			3807
04 Sep	1215	1224	1229	C8.8			3807
04 Sep	1308	1321	1327	M1.0			3813
04 Sep	1348	1350	1353		SF	S11E24	3811
04 Sep	1349	1355	1400		SF	S17W60	3807
04 Sep	1520	1525	1533	C4.7			3813
04 Sep	1808	1810	1820		SF	S09E11	
04 Sep	1844	1846	1850		SF	S09W06	3808
04 Sep	1852	1904	1907	C7.0			3811
04 Sep	1852	1859	1927		SF	S21E40	3813



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
04 Sep	1907	1924	1941	C9.2			3806
04 Sep	1941	2000	2016	M1.2	1F	S13E21	3811
04 Sep	2254	2301	2308	C5.9			3801
04 Sep	2359	0011	0017	C8.0			3813
05 Sep	0017	0020	0024	M1.0	SF	S15W70	3807
05 Sep	0157	0208	0217	C9.2	SF	S16W72	3807
05 Sep	0312	0325	0337	M1.1			3806
05 Sep	0337	0344	0349	M1.0			3813
05 Sep	0422	0430	0439	C5.7			3807
05 Sep	0439	0451	0456	C6.3			
05 Sep	0532	0539	0543	C6.2			3814
05 Sep	0543	0550	0556	C6.3			3811
05 Sep	0748	0755	0802	C6.6	SF	S22E37	3813
05 Sep	0814	0821	0830	C7.6	SF	S16W72	3807
05 Sep	0847	0856	0901	M2.8	SF	S16W72	3807
05 Sep	0926	0942	0952	M1.6			3807
05 Sep	1246	1249	1254	C5.1			3807
05 Sep	1300	1308	1320	C6.1			3807
05 Sep	1320	1325	1335	M1.3			3807
05 Sep	1403	1418	1434	C7.8			3806
05 Sep	1448	1450	1454	C7.8			3807
05 Sep	1602	1608	1614	C4.4			3807
05 Sep	1754	1759	1805	C4.2			3807
05 Sep	1831	1839	1851	C6.5			3807
05 Sep	2048	2057	2102	C4.7			3807
05 Sep	2331	2343	2348	C6.6			3807
06 Sep	0040	0046	0054	C4.4			3807
06 Sep	0054	0102	0113	C4.8			3807
06 Sep	0214	0217	0224	C5.8			3807
06 Sep	0239	0248	0257	C6.1			3807
06 Sep	0411	0420	0547	C5.3			3806
06 Sep	0547	0556	0614	C7.8			3807
06 Sep	B0601	U0609	0726		1F	S13W37	3806
06 Sep	0646	0653	0704	C5.4			3806
06 Sep	0753	0759	0803	C7.5	SF	S20W81	3807
06 Sep	1357	1403	1407	C6.2	SF	S10W53	3806
06 Sep	1550	1632	1723	C7.0			
06 Sep	1908	1919	1931	C8.0	SF	S12W54	3806



Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
06 Sep	2019	2027	2036	C6.1			3813
06 Sep	2044	2051	2116	C7.3			3806
07 Sep	0040	0046	0051	C5.1			3807
07 Sep	0317	0327	0339	C5.9			3806
07 Sep	0617	0749	0917	M1.6	1F	S27E34	3815
07 Sep	B0659	U0702	A0718		SF	S18E02	3813
07 Sep	0741	0743	0744		SF	S29E14	3815
07 Sep	0745	0748	0750		SF	S29E14	3815
07 Sep	B0856	U0857	0916		SF	S08W14	3811
07 Sep	1217	U1224	1256		SF	S07W15	3811
07 Sep	1218	U1219	1230		SF	N20E54	3814
07 Sep	1405	1410	1425	C4.9	SF	S08W53	3806
07 Sep	1605	1615	1629	C5.0	SF	S11W56	3806
07 Sep	1719	1720	1725		SF	S09W11	3811
07 Sep	1726	1727	1736		SF	S09W11	3811
07 Sep	1739	1742	1746	C4.4	SF	S17W02	3813
07 Sep	2107	2117	2140	C7.2	1F	S14W64	3806
07 Sep	2220	2225	2231	C3.3			3808
08 Sep	0358	0431	0449	C3.5			
08 Sep	1507	1530	1556	M1.5	1N	S18W30	3813
08 Sep	2214	2218	2224	C4.7	SF	N17E26	3814
08 Sep	2301	2313	2327	C5.0	SF	S09W36	3811



Region Summary

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Helio Lon	Area 10 ⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical												
								C	M	X	S	1	2	3	4								
Region 3799																							
21 Aug	S09E59	319	110	8	Cso	14	B	1															
22 Aug	S09E48	316	130	9	Cao	7	B	2					4										
23 Aug	S10E35	316	280	7	Dki	13	BG	1					2										
24 Aug	S10E22	316	400	10	Dki	18	BG	2					2										
25 Aug	S10E10	315	350	10	Dki	14	BG																
26 Aug	S10W04	316	360	11	Eki	17	BG																
27 Aug	S10W18	316	350	11	Eki	11	BG																
28 Aug	S11W30	315	320	11	Cko	11	BG																
29 Aug	S11W42	314	320	6	Cko	5	BG																
30 Aug	S11W56	315	270	6	Cko	4	B																
31 Aug	S11W73	319	280	4	Cko	5	B																
01 Sep	S11W86	318	220	4	Hsx	1	A	1					1										
								7	0	0			9	0	0	0	0	0					

Crossed West Limb.
Absolute heliographic longitude: 316

Region 3801																							
22 Aug	N07E62	301	60	3	Cso	2	B	4					2	1									
23 Aug	N07E51	300	140	5	Cso	4	BG	5	3				8	1									
24 Aug	N07E39	299	110	4	Cso	6	BG						1										
25 Aug	N08E27	298	80	3	Cso	5	BG						1										
26 Aug	N08E13	299	130	10	Dso	11	BG																
27 Aug	N09W01	299	120	4	Cso	5	B	1															
28 Aug	N08W16	301	120	4	Cso	3	B	1															
29 Aug	N08W24	296	120	9	Cso	6	B	2					3										
30 Aug	N07W39	298	100	4	Cao	4	B																
31 Aug	N08W55	301	40	3	Cao	4	B																
01 Sep	N08W68	300	30	3	Bxo	2	B																
02 Sep	N09W83	302	10	1	Axx	1	A																
								13	3	0			15	2	0	0	0	0					

Crossed West Limb.
Absolute heliographic longitude: 299



Region Summary - continued

Date	Location		Sunspot Characteristics				Flares																
	Lat CMD	Helio Lon	Area 10 ⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical												
								C	M	X	S	1	2	3	4								
Region 3803																							
26 Aug	N12E69	243	50	4	Dao	4	B																
27 Aug	N12E57	241	60	4	Dao	7	B																
28 Aug	N13E44	241	70	5	Dao	8	B																
29 Aug	N14E30	242	90	7	Cso	7	B																
30 Aug	N13E18	241	10	1	Axx	1	A	1															
31 Aug	N14E06	240	40	4	Cao	5	B																
01 Sep	N14W08	240	20	4	Bxo	4	B																
02 Sep	N15W23	242	10	1	Axx	1	A																
03 Sep	N16W37	242	10	1	Axx	1	A																
04 Sep	N16W51	244	plage																				
05 Sep	N16W65	245	plage																				
06 Sep	N16W79	245	plage																				
									1	0	0	0	0	0	0	0	0	0	0	0	0	0	

Crossed West Limb.
Absolute heliographic longitude: 240

Region 3804																							
26 Aug	S25E63	249	30	1	Hsx	1	A																
27 Aug	S25E49	249	40	2	Hsx	1	A																
28 Aug	S25E36	249	40	1	Hsx	1	A																
29 Aug	S25E24	248	100	3	Hsx	1	A																
30 Aug	S26E11	248	50	3	Hsx	1	A																
31 Aug	S24W02	248	50	3	Hsx	1	A																
01 Sep	S24W14	246	20	2	Hsx	1	A																
02 Sep	S24W28	247	10	1	Axx	1	A																
03 Sep	S24W42	247	plage																				
04 Sep	S24W56	249	plage																				
05 Sep	S24W70	250	plage																				
06 Sep	S24W84	250	plage																				
									0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Crossed West Limb.
Absolute heliographic longitude: 248



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Lon	Helio 10 ⁻⁶ hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
Region 3805																							
28 Aug	N08E35	250	10		1	Axx	1	A															
29 Aug	N08E21	257	plage																				
30 Aug	N08E07	252	plage						1				1	1									
31 Aug	N08W07	253	plage																				
01 Sep	N08W21	253	plage																				
02 Sep	N08W35	254	plage																				
03 Sep	N08W49	254	plage																				
04 Sep	N08W63	256	plage																				
05 Sep	N08W77	257	plage																				
									1	0	0		1	1	0	0	0						

Died on Disk.

Absolute heliographic longitude: 252

Region 3806																							
28 Aug	S10E68	217	100		5	Dao	3	B	3														
29 Aug	S10E56	216	380		7	Dkc	8	B	2				1										
30 Aug	S11E40	219	450		24	Fkc	11	BGD	2	2			1										
31 Aug	S11E34	212	480		13	Ekc	25	BG	4	3			3										
01 Sep	S11E20	212	380		12	Ekc	22	BG	1				1										
02 Sep	S11E06	213	330		12	Ekc	48	BG					1										
03 Sep	S10W09	214	240		11	Eai	24	BG	2				1										
04 Sep	S12W23	216	250		11	Ekc	34	BGD	2	2			2										
05 Sep	S12W37	217	280		11	Ekc	39	BGD	1	1													
06 Sep	S11W53	219	170		8	Dai	20	BGD	5				2	1									
07 Sep	S08W67	220	90		8	Dsi	10	BG	4				2	1									
08 Sep	S08W81	221	90		8	Cso	10	B															
									26	8	0		14	2	0	0	0						

Still on Disk.

Absolute heliographic longitude: 213



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Helio Lon	Area 10 ⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical												
								C	M	X	S	1	2	3	4								
Region 3807																							
30 Aug	S18W04	263	70	6	Dsi	10	BG	3				1											
31 Aug	S16W18	264	320	11	Eki	20	BG	1				3											
01 Sep	S16W31	263	550	12	Eki	15	BG		1			6											
02 Sep	S16W45	264	580	12	Eki	26	BG	4	3			1											
03 Sep	S15W57	262	510	15	Ekc	14	BGD	4				2	1										
04 Sep	S15W72	265	340	15	Eki	11	BG	3	1			2											
05 Sep	S15W86	266	330	15	Eki	10	BG	11	4			4											
								26	9	0	19	1	0	0	0	0							

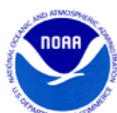
Crossed West Limb.
 Absolute heliographic longitude: 263

Region 3808																							
30 Aug	S08E60	199	60	4	Dao	4	B																
31 Aug	S09E44	202	60	6	Cao	2	B	1															
01 Sep	S10E31	201	90	7	Cao	3	B																
02 Sep	S11E16	203	80	8	Cso	4	B																
03 Sep	S08E02	203	60	4	Cso	4	B																
04 Sep	S10W13	206	80	5	Cso	10	B					1											
05 Sep	S10W27	207	90	5	Dsi	10	B																
06 Sep	S10W44	210	90	3	Dao	8	B																
07 Sep	S09W58	211	60	3	Cao	4	B	1															
08 Sep	S09W72	212	60	3	Cao	4	B																
								2	0	0	1	0	0	0	0	0							

Still on Disk.
 Absolute heliographic longitude: 203

Region 3809																							
31 Aug	S20E39	207	20	2	Hsx	1	A																
01 Sep	S21E26	206	10	1	Axx	1	A																
02 Sep	S21E12	207	plage																				
03 Sep	S21W02	207	plage																				
04 Sep	S21W16	209	plage																				
05 Sep	S21W30	210	plage																				
06 Sep	S21W44	210	plage																				
07 Sep	S21W58	211	plage																				
08 Sep	S21W72	212	plage																				
								0	0	0	0	0	0	0	0	0							

Still on Disk.
 Absolute heliographic longitude: 207



Region Summary - continued

Date	Location		Sunspot Characteristics				Flares							
	Lat CMD	Lon	Helio 10 ⁻⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical			
								C	M	X	S	1	2	3

Region 3810

31 Aug	N16E35	210	10	3	Bxo	3	B											
01 Sep	N16E24	208	20	3	Bxo	3	B											
02 Sep	N16E10	209	10	3	Bxo	3	B											
03 Sep	N16W04	209	10	1	Axx	1	A											
04 Sep	N16W18	211	plage															
05 Sep	N16W32	212	plage															
06 Sep	N16W46	212	plage															
07 Sep	N16W60	213	plage															
08 Sep	N16W74	214	plage															
												0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 209

Region 3811

31 Aug	S09E73	173	120	5	Hsx	1	A										
01 Sep	S10E56	176	220	8	Cso	4	B										
02 Sep	S10E42	177	220	8	Cso	6	B					1					
03 Sep	S10E28	177	220	5	Cao	6	B					1					
04 Sep	S11E18	175	290	4	Dki	11	B	1	1			1	1				
05 Sep	S11E04	176	240	10	Dsi	12	B	1									
06 Sep	S09W13	179	290	11	Ehi	21	BG										
07 Sep	S10W22	175	250	6	Cho	9	BG					4					
08 Sep	S10W36	176	240	6	Dso	9	BG	1				1					
								3	1	0		8	1	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 176

Region 3812

02 Sep	N14E32	186	10	2	Bxo	2	B											
03 Sep	N14E18	187	plage															
04 Sep	N14E04	189	plage															
05 Sep	N14W10	190	plage															
06 Sep	N14W24	190	plage															
07 Sep	N14W38	191	plage															
08 Sep	N14W52	192	plage															
												0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 189



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Lon	Helio 10 ⁻⁶ hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
Region 3813																							
01 Sep	S22E72	160		plage							2												
02 Sep	S22E58	160	240	10	Dac	8	BG	1	2														
03 Sep	S22E44	161	270	11	Ekc	13	BG	3	2			3											
04 Sep	S23E35	158	350	12	Ekc	24	BG	3	2			3											
05 Sep	S23E21	159	370	25	Fkc	35	BG	1	1			1											
06 Sep	S24E17	149	490	22	Fki	34	BG	1															
07 Sep	S25E03	150	430	26	Fki	20	BG	1				2											
08 Sep	S22W11	151	220	11	Esi	10	BG		1					1									
								10	10	0	9	1	0	0	0	0							

Still on Disk.
Absolute heliographic longitude: 150

Region 3814																							
04 Sep	N16E75	117	180	2	Hax	1	A																
05 Sep	N16E61	119	180	3	Hsx	1	A	1															
06 Sep	N13E52	114	190	3	Cao	1	B																
07 Sep	N15E38	115	240	3	Cso	5	B					1											
08 Sep	N15E24	116	230	5	Dso	10	BG	1				1											
								2	0	0	2	0	0	0	0	0							

Still on Disk.
Absolute heliographic longitude: 116

Region 3815																							
06 Sep	S30E23	143	40	12	Eko	31	BG																
07 Sep	S28E15	138	200	16	Eso	16	BG		1		2	1											
08 Sep	S27E01	139	170	7	Cso	5	B																
								0	1	0	2	1	0	0	0	0							

Still on Disk.
Absolute heliographic longitude: 139

Region 3816																							
06 Sep	S11E20	146	10	2	Bxo	3	B																
07 Sep	S12E04	149	5	1	Axx	1	A																
08 Sep	S12W10	150	5	1	Cro	1	B																
								0	0	0	0	0	0	0	0	0							

Still on Disk.
Absolute heliographic longitude: 149



Region Summary - continued

Date	Location		Sunspot Characteristics				Flares							
	Lat CMD	Helio Lon	Area 10 ⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical			
								C	M	X	S	1	2	3

Region 3817

07 Sep	S14E37	116	5	1	Axx	1	A										
08 Sep	S14E23	117	plage					0	0	0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 117

Region 3818

07 Sep	S13W34	187	20	5	Cao	3	B										
08 Sep	S12W49	189	20	2	Cro	3	B	0	0	0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 187

Region 3819

07 Sep	S12E41	112	40	6	Cao	10	B										
08 Sep	S30E06	134	10	3	Csi	8	B	0	0	0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 134

Region 3820

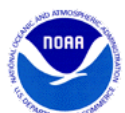
08 Sep	S22W10	150	20	1	Hsx	1	A	0	0	0	0	0	0	0	0	0	0
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Still on Disk.
Absolute heliographic longitude: 150

Region 3821

08 Sep	N14W37	177	30	4	Cso	5	B	0	0	0	0	0	0	0	0	0	0
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Still on Disk.
Absolute heliographic longitude: 177



Preliminary Report and Forecast of Solar Geophysical Data (The Weekly)

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Notice: The 27-day Outlook, Satellite Environment, X-ray and Proton plots have been redesigned. Comments and suggestions are welcome SWPC.Webmaster@noaa.gov

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