Space Weather Highlights **SWPC PRF 2610**
01 September - 07 September 2025 **08 September 2025**

Solar activity reached moderate levels (R1-MInor) over 04 Sep, 05 Sep, and 06 Sep. All M-class flares were attributed to Region 4207 (S29, L=045, class/area=Fhi/390 on 04 Sep). The remaining 17 numbered active regions on the visible disk in the past week were either quiet or only produced C-class events.

Other significant activity included a CME that erupted from a filament centered near N12W04 around 04/1945 UTC. This resulted in a halo CME signature in subsequent coronagraph imagery. Initial modelling of the event suggested arrival early on the 07 Sep. Observed arrival was mid-to-late on 06 Sep.

The proton flux at geosynchronous orbit remained below the S1 (Minor) threshold.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal to moderate levels.

Geomagnetic field activity was ranged from quiet to G2 (Moderate) levels. G2 conditions observed on 01 Sep were attributed to the onset of a CME that left the Sun on 30 Aug. Total magnetic field strength reached a peak of 25 nT and the Bz component was observed as far south as -23 nT at 02/0000 UTC. Shock arrival at ACE was observed at 01/2030 UTC, marked by a solar wind speed increase from ~410 km/s to ~645 km/s. A sudden impulse was observed at Earth at 01/2101 UTC. G1 (Minor) activity was observed on 02 and 03 Sep during the waning phase off the CME. Quiet conditions were observed over 04-05 Sep. An increase in activity was observed on 06 Sep, with a G1 period marking the arrival of a CME that left the Sun on 04 Sep. Total magnetic field strength reached an initial peak of 21 nT at 06/1407 UTC. The Bz component rotated as far south as -10 nT. The solar wind speeds increased to ~700 km/s. The Bz component rotated northward shortly after which resulted in mostly quiet conditions ov07 Sep during the waning phase of the CME.

Space Weather Outlook
08 September - 04 October 2025

Solar activity is expected to be mostly low, with a chance for moderate (R1-R2/Minor-Moderate), over the outlook period due to multiple complex regions both on the visible disk and expected to return from the Sun's farside.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels over 08-11 Sep and 20-21 Sep due to multiple, recurrent CH HSSs. The remainder of the outlook period is expected to be at normal to moderate levels.

Geomagnetic field activity is expected to range from quiet to G1 (Minor) geomagnetic storm levels. G1 conditions are likely on 15 Sep; active conditions are likely on 08 Sep, 14 Sep, 16

Sep, 28-29 Sep, and 03-04 Oct; unsettled conditions are likely on 09-10 Sep, 17-19 Sep, and 30 Sep. All increases in geomagnetic activity are in anticipated of multiple, recurrent CH HSSs. The remainder of the outlook period is likely to be mostly quiet.

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
01 September	202	165	1700	C1.6	3	0	0	0	0	0	0	0
02 September	187	175	1720	C1.2	4	0	0	2	0	0	0	0
03 September	180	128	1550	C1.4	10	0	0	9	0	0	0	0
04 September	172	150	1560	C1.5	7	1	0	10	1	0	0	0
05 September	149	128	1270	C1.2	2	1	0	1	1	0	0	0
06 September	146	108	790	C1.2	8	1	0	6	0	0	0	0
07 September	133	83	720	C1.2	12	0	0	22	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
01 September	1.5e+08	2.4e+05	1.5e+07
02 September	7.7e+07	2.8e+04	1.0e+07
03 September	3.3e+06	1.5e+04	1.0e+07
04 September	1.4e+06	1.6e+04	1.5e+07
05 September	8.3e+05	1.7e+04	2.9e+07
06 September	3.3e+05	1.7e+04	1.5e+07
07 September	6.6e+04	1.6e+04	1.8e+07

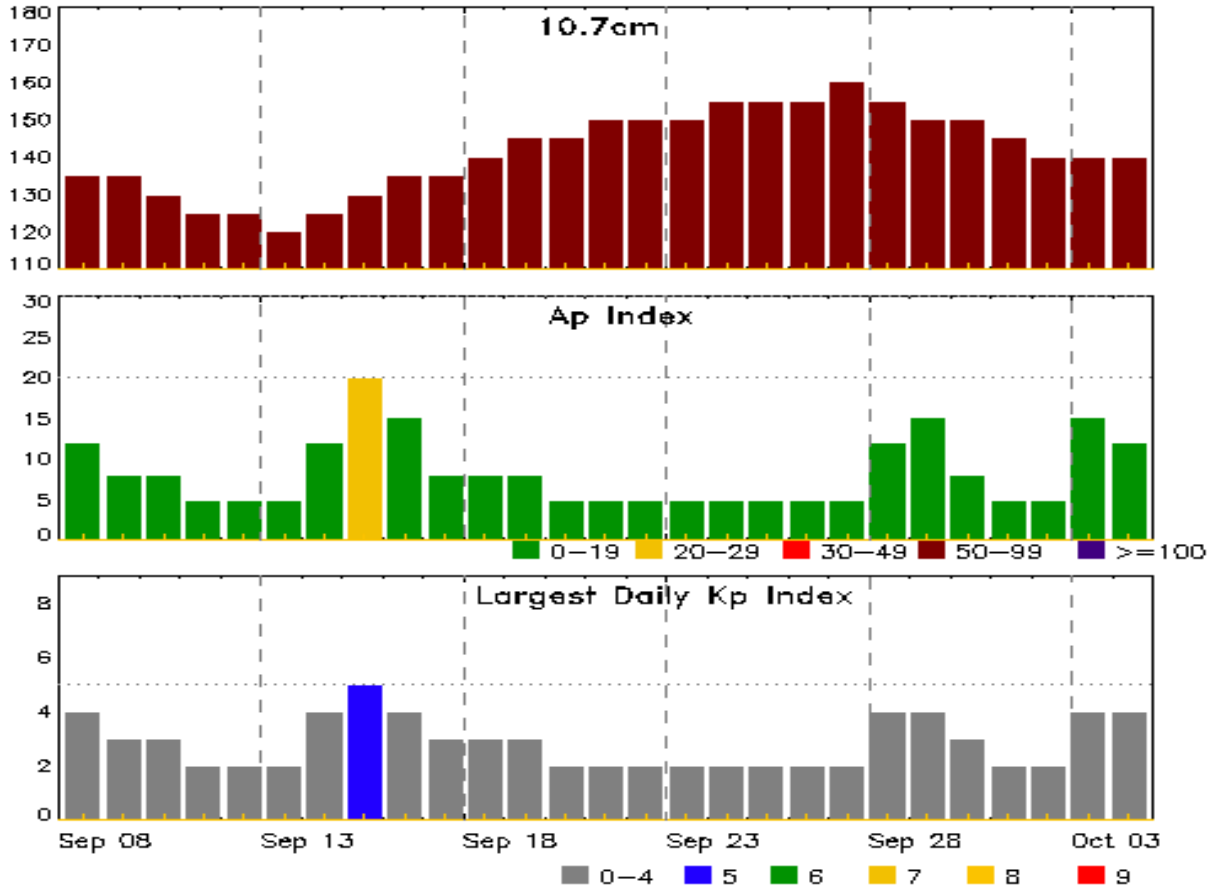
Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
01 September	9	1-1-1-2-2-2-3-4	10	1-1-1-2-1-1-2-5	16	2-1-1-1-1-2-3-6
02 September	25	5-4-4-3-3-4-4-3	27	4-4-4-3-5-3-4-4	34	5-4-4-4-3-4-5-4
03 September	8	3-3-2-2-2-1-2-1	11	4-3-2-3-2-2-2-1	12	5-3-2-2-2-1-2-1
04 September	10	2-1-2-3-3-3-2-2	19	1-1-3-5-4-5-1-2	10	2-1-2-3-2-3-2-3
05 September	8	1-0-1-3-3-2-2-3	12	2-0-1-5-2-2-2-3	8	2-1-1-3-1-2-3-3
06 September	17	3-3-3-3-4-4-3-1	51	3-5-6-6-5-6-5-2	26	4-4-4-3-4-5-4-1
07 September	4	1-1-0-1-2-2-1-2	4	1-0-0-0-0-1-2-3	4	1-1-1-1-1-0-1-3

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
01 Sep 0934	WARNING: Proton 10MeV Integral Flux > 10pfu	01/0930 - 2359
01 Sep 2039	WARNING: Geomagnetic Sudden Impulse expected	01/2045 - 2145
01 Sep 2041	WARNING: Geomagnetic K = 4	01/2040 - 02/2359
01 Sep 2044	WARNING: Geomagnetic K = 5	01/2041 - 02/2059
01 Sep 2108	ALERT: Geomagnetic K = 5	
01 Sep 2108	ALERT: Geomagnetic K = 4	
01 Sep 2108	WARNING: Geomagnetic K = 6	01/2107 - 02/1459
01 Sep 2122	SUMMARY: Geomagnetic Sudden Impulse	01/2101
01 Sep 2241	ALERT: Geomagnetic K = 6	
02 Sep 0106	ALERT: Geomagnetic K = 5	
02 Sep 1657	WATCH: Geomagnetic Storm Category G1 predicted	
02 Sep 1659	EXTENDED WARNING: Geomagnetic K = 4	01/2040 - 03/0900
02 Sep 1701	WARNING: Geomagnetic K = 6	02/1655 - 2359
02 Sep 1701	EXTENDED WARNING: Geomagnetic K = 5	01/2041 - 03/0600
02 Sep 2048	ALERT: Geomagnetic K = 5	
03 Sep 0301	ALERT: Geomagnetic K = 5	
03 Sep 0556	EXTENDED WARNING: Geomagnetic K = 5	01/2041 - 03/1500
03 Sep 0556	EXTENDED WARNING: Geomagnetic K = 4	01/2040 - 03/1800
03 Sep 2059	WATCH: Geomagnetic Storm Category G1 predicted	
04 Sep 1917	WATCH: Geomagnetic Storm Category G1 predicted	
05 Sep 2112	WATCH: Geomagnetic Storm Category G1 predicted	
06 Sep 0234	WARNING: Geomagnetic K = 4	06/0235 - 2359
06 Sep 0241	ALERT: Geomagnetic K = 4	
06 Sep 1529	WARNING: Geomagnetic K = 5	06/1530 - 2359
06 Sep 1645	ALERT: Geomagnetic K = 5	
06 Sep 2228	EXTENDED WARNING: Geomagnetic K = 4	06/0235 - 07/2359
07 Sep 1801	CANCELLATION: Geomagnetic Storm Category G1 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
08 Sep	135	12	4	22 Sep	150	5	2
09	135	8	3	23	150	5	2
10	130	8	3	24	155	5	2
11	125	5	2	25	155	5	2
12	125	5	2	26	155	5	2
13	120	5	2	27	160	5	2
14	125	12	4	28	155	12	4
15	130	20	5	29	150	15	4
16	135	15	4	30	150	8	3
17	135	8	3	01 Oct	145	5	2
18	140	8	3	02	140	5	2
19	145	8	3	03	140	15	4
20	145	5	2	04	140	12	4
21	150	5	2				

Energetic Events

	Time			X-ray		Optical Information			Peak Radio Flux		Sweep Freq Intensity	
Date	Begin	Max	Half Max	Class	Integ Flux	Imp/ Brtns	Location Lat CMD	Rgn #	245	2695	II	IV
04 Sep	1336	1344	1349	M1.0		0.005	1B	N30E08	4207			
05 Sep	0108	0116	0121	M1.4		0.007	1N	N28E00	4207			
06 Sep	2207	2215	2217	M1.2		0.004			4207			

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
01 Sep	0303	0325	0346	C4.8			4197
01 Sep	1914	1922	1929	C3.9			4197
01 Sep	2055	2101	2109	C2.4			4207
02 Sep	1417	1422	1428	C2.8			4197
02 Sep	1439	1452	1501	C6.1			4199
02 Sep	1444	1445	1514		SF	N05W25	4204
02 Sep	2055	2103	2108	C4.2			4197
02 Sep	2156	2206	2217		SF	S17W51	4197
02 Sep	2346	2350	2357	C4.9			4197
03 Sep	0006	0010	0022	C2.7			4197
03 Sep	0030	0035	0041	C3.0			4197
03 Sep	0052	0056	0100	C2.7			4210
03 Sep	0237	0241	0244	C2.8	SF	N09E54	4210
03 Sep	0321	0322	0325		SF	N09E52	4210
03 Sep	0356	0359	0401	C2.9	SF	N09E52	4210
03 Sep	0441	0443	0455		SF	S12E68	4211
03 Sep	0536	0542	0551	C2.5			4197
03 Sep	0725	0726	0730		SF	N09E50	4210
03 Sep	1513	1523	1531	C3.7	SF	S13E73	4211
03 Sep	1547	1548	1603		SF	N05W44	4199
03 Sep	1757	1757	1801		SF	N33E23	4207
03 Sep	1912	1921	1931	C2.9	SF	N32E23	4207
03 Sep	2122	2130	2136	C2.3			4211
03 Sep	2349	0001	0012	C3.4			4211
04 Sep	0030	0037	0047	C2.5	SF	N04W48	4199
04 Sep	0522	0532	0537	C9.2	SF	N29E11	4207
04 Sep	B0811	U0811	A0817		SF	N28E10	4207
04 Sep	0915	0924	0932	C2.1	SF	N05W49	4199

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
04 Sep	B1009	U1020	A1025		SF	N27E09	4207
04 Sep	B1048	U1054	A1110	C2.8	SF	N29E19	4207
04 Sep	B1140	U1156	A1205		SF	N28E08	4207
04 Sep	1319	1326	1336	C2.5			4211
04 Sep	1336	1344	1349	M1.0	1B	N30E08	4207
04 Sep	1407	1407	1513		SF	N28E12	4207
04 Sep	1709	1720	1734		SF	N30E08	4207
04 Sep	2134	2144	2153	C2.9			4197
04 Sep	2323	2336	0007	C3.3	SF	N11E26	4210
05 Sep	0108	0116	0121	M1.4	1N	N28E00	4207
05 Sep	0925	0927	0938		SF	N19W16	4205
05 Sep	1005	1014	1022	C2.2			4197
05 Sep	1754	1759	1803	C2.7			4207
06 Sep	0039	0046	0048	C2.4			
06 Sep	0134	0142	0147	C2.3			4207
06 Sep	0352	0403	0406	C2.0			4207
06 Sep	0406	0414	0418	C3.5			4202
06 Sep	0444	0452	0458	C4.5			4207
06 Sep	0819	0822	0825	C1.8			4197
06 Sep	1030	1041	1044	C4.9			4197
06 Sep	1430	1430	1431		SF	S13E34	4213
06 Sep	1438	1441	1451		SF	N28W14	4207
06 Sep	1455	1501	1502		SF	N27W17	4207
06 Sep	1516	1517	1524		SF	S13E34	4213
06 Sep	1640	1641	1645		SF	N28W15	4207
06 Sep	1849	1854	1856	C6.5	SB	N29W16	4207
06 Sep	2207	2215	2217	M1.2			4207
07 Sep	0038	0047	0050	C9.5	SF	N28W18	4207
07 Sep	0354	0412	0445	C3.3			4213
07 Sep	0445	0500	0513	C3.0			4213
07 Sep	0510	0520	0533	C6.3	SF	N28W19	4207
07 Sep	0643	0655	0720	C3.6			4202
07 Sep	0749	0757	0805	C3.3	SF	N28W20	4207
07 Sep	0925	0940	1004	C2.7			4202
07 Sep	1007	1012	1017	C3.6	SF	N28W21	4207
07 Sep	1039	1050	1115	C3.4			4202
07 Sep	1233	1244	1251	C3.6	SF	N27W22	4207
07 Sep	1431	1453	1515		SF	S12E21	4213

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
07 Sep	1449	1501	1502		SF	N09W29	4212
07 Sep	1523	1525	1528		SF	S12E21	4213
07 Sep	1528	1530	1532		SF	N08W31	4212
07 Sep	1530	1530	1540		SF	S12E21	4213
07 Sep	1532	1536	1539		SF	N27W28	4207
07 Sep	1701	1702	1703		SF	S15E16	4213
07 Sep	1750	1750	1754		SF	S14E16	4213
07 Sep	1756	1813	1845	C4.0	1N	S15E17	4213
07 Sep	1803	1820	1836		SF	S15E10	4211
07 Sep	1805	1820	1837		SF	N09W30	4212
07 Sep	1907	1907	1920		SF	S12E18	4213
07 Sep	1940	1952	2006		SF	S12E18	4213
07 Sep	2000	2002	2012		SF	N27W30	4207
07 Sep	2043	2050	2056	C1.2			4207
07 Sep	2045	2049	2056		SF	N09W32	4212
07 Sep	2047	2049	2104		SF	N27W31	4207
07 Sep	2125	2126	2130		SF	S14E18	4213
07 Sep	2218	2218	2220		SF	N09W32	4212

Region Summary

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 4191												
20 Aug	N10E79	174	80	10	Hsx	1	A	1							
21 Aug	N10E66	173	220	4	Hsx	1	A	3							
22 Aug	N11E55	172	300	10	Cho	5	B	1			1				
23 Aug	N11E43	171	260	12	Eho	5	B	4			6				
24 Aug	N11E29	172	360	11	Ehi	12	BG	1							
25 Aug	N11E15	173	380	10	Dhi	15	BG				1				
26 Aug	N12W00	174	360	11	Ehi	12	BG				2	1			
27 Aug	N12W13	174	400	12	Ehi	13	B				1				
28 Aug	N12W27	175	400	12	Ehi	11	B								
29 Aug	N11W40	174	370	9	Cho	6	B								
30 Aug	N11W54	175	325	8	Cho	8	B								
31 Aug	N11W68	176	320	7	Cho	7	B	1							
01 Sep	N11W82	177	300	7	Cho	5	B								
02 Sep	N11W95	177	260	7	Cho	5	B								
								11	0	0	11	1	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 174

			Region 4194												
23 Aug	N03E27	187	10	4	Bxo	3	B								
24 Aug	N02E13	188	30	4	Cao	3	B				1				
25 Aug	N02W01	187	30	5	Cro	5	B								
26 Aug	N03W15	189	10	1	Axx	1	A								
27 Aug	N03W29	190	10	2	Axx	2	A								
28 Aug	N03W44	192	plage												
29 Aug	N03W59	193	plage												
30 Aug	N03W74	195	plage												
31 Aug	N03W89	197	plage												
								0	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 187

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Region 4195													
23 Aug	S18E68	146	30	1	Hrx	1	A								
24 Aug	S17E54	147	20	1	Hax	1	A								
25 Aug	S18E41	147	20	1	Hrx	1	A								
26 Aug	S18E27	147	10	3	Axx	3	A								
27 Aug	S18E14	147	10	1	Axx	1	A								
28 Aug	S18W00	148	plage					1				1			
29 Aug	S18W15	149	plage					1							
30 Aug	S18W29	150	plage					1							
31 Aug	S18W43	151	plage												
01 Sep	S18W57	152	plage												
02 Sep	S18W71	153	plage												
03 Sep	S18W86	154	plage												
								3	0	0	0	1	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 148

		Region 4196													
24 Aug	S11E64	137	10	1	Axx	1	A								
25 Aug	S12E50	138	20	1	Hrx	1	A								
26 Aug	S11E37	137	20	1	Hrx	1	A								
27 Aug	S12E25	136	10	1	Hrx	1	A								
28 Aug	S12E12	136	10	1	Hrx	1	A								
29 Aug	S11W02	136	10	1	Axx	1	A								
30 Aug	S11W14	135	10	1	Axx	1	A								
31 Aug	S11W28	136	plage												
01 Sep	S11W42	137	plage												
02 Sep	S11W56	138	plage												
03 Sep	S11W71	139	plage												
04 Sep	S11W85	140	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 136

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 4197												
24 Aug	S17E66	135	60	7	Dao	2	B								
25 Aug	S17E55	133	180	12	Eai	13	BD	2	1		9	1			
26 Aug	S17E41	133	600	13	Eki	15	BG	4	1		16	2			
27 Aug	S17E30	131	720	13	Eki	29	BG				6				
28 Aug	S18E16	132	720	13	Eki	43	BG	3	2		2				
29 Aug	S18E03	131	740	14	Ekc	50	BGD	4			8				
30 Aug	S18W10	131	700	14	Ekc	50	BGD	3	2						
31 Aug	S18W24	132	680	14	Ekc	50	BG	3							
01 Sep	S18W38	133	550	15	Ehi	33	BG	2							
02 Sep	S18W52	134	400	14	Eho	11	BG	3			1				
03 Sep	S18W65	133	480	16	Fhi	14	B	3							
04 Sep	S18W78	133	480	16	Fhi	14	B	1							
05 Sep	S18W92	134	280	14	Eho	4	B	1							
								29	6	0	42	3	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 131

			Region 4198												
25 Aug	N10E34	154	20	3	Cro	5	B								
26 Aug	N10E20	154	10	3	Bxo	3	B				1				
27 Aug	N11E07	154	10	4	Bxo	2	B				2				
28 Aug	N11W07	155	10	4	Bxo	3	B								
29 Aug	N10W21	155	10	1	Axx	2	A								
30 Aug	N10W36	157	plage												
31 Aug	N10W50	158	plage												
01 Sep	N10W64	159	plage												
02 Sep	N10W78	160	plage												
								0	0	0	3	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 154

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Region 4199													
25 Aug	N05E70	118	110	5	Dai	4	B	8	3						
26 Aug	N04E59	115	200	5	Cao	7	B	2	1		1				
27 Aug	N04E45	116	170	5	Cao	9	B	2			2				
28 Aug	N04E32	116	200	5	Cao	5	B								
29 Aug	N04E18	116	140	3	Cai	8	B	1							
30 Aug	N04E05	116	140	3	Cai	8	B		1						
31 Aug	N04W09	117	180	3	Cai	6	B								
01 Sep	N04W22	117	210	3	Cai	7	B								
02 Sep	N04W36	118	240	3	Cao	3	B	1							
03 Sep	N04W51	119	170	5	Cso	6	B				1				
04 Sep	N04W63	118	160	5	Cso	3	B	2			2				
05 Sep	N04W76	118	130	3	Cso	3	B								
06 Sep	N05W89	118	80	2	Hsx	1	A								
								16	5	0	6	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 116

		Region 4200													
26 Aug	S09W00	174	20	4	Cro	7	B								
27 Aug	S08W14	175	40	5	Dai	11	B				1				
28 Aug	S08W27	175	80	6	Dai	11	B								
29 Aug	S09W42	176	70	8	Dso	8	B				2				
30 Aug	S08W55	176	50	8	Dso	6	B								
31 Aug	S08W68	176	60	8	Dso	6	B								
01 Sep	S09W81	176	60	8	Dso	4	B								
02 Sep	S09W95	177	60	8	Dso	4	B								
								0	0	0	3	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 174

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Region 4201													
26 Aug	S21E54	120	140	2	Hsx	1	A								
27 Aug	S21E44	117	100	9	Dsi	7	B								
28 Aug	S21E30	118	120	8	Csi	6	B	1			1				
29 Aug	S21E17	117	100	4	Dsi	5	B								
30 Aug	S21E03	118	90	4	Dso	4	B								
31 Aug	S21W10	118	90	4	Dso	4	B								
01 Sep	S22W23	118	60	3	Hsx	3	A								
02 Sep	S22W37	119	70	2	Hsx	1	A								
03 Sep	S21W51	119	50	2	Hsx	1	A								
04 Sep	S21W64	119	45	2	Hsx	1	A								
05 Sep	S21W76	118	20	1	Hsx	1	A								
06 Sep	S21W90	119	10	1	Axx	1	A								
								1	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 118

		Region 4202													
26 Aug	S15E61	113	150	3	Hax	3	A		1						
27 Aug	S15E48	113	150	3	Hax	2	A								
28 Aug	S15E35	113	150	3	Hax	2	A								
29 Aug	S16E22	112	130	3	Hax	2	A								
30 Aug	S15E08	113	110	2	Hax	2	A								
31 Aug	S15W05	113	110	2	Hax	3	A	1							
01 Sep	S14W19	114	120	2	Hax	3	A								
02 Sep	S14W32	114	100	3	Hsx	2	A								
03 Sep	S14W46	114	80	2	Hsx	2	A								
04 Sep	S15W59	114	70	4	Cso	3	B								
05 Sep	S15W71	113	50	3	Cso	2	B								
06 Sep	S15W84	113	50	1	Hsx	1	A	1							
								2	1	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 113

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Region 4204													
27 Aug	N03E57	104	10	1	Hrx	1	A				1				
28 Aug	N03E42	106	20	1	Hrx	1	A	1							
29 Aug	N03E27	107	10	1	Axx	1	A								
30 Aug	N03E13	108	plage												
31 Aug	N03W02	110	plage												
01 Sep	N03W16	111	plage												
02 Sep	N03W31	113	plage								1				
03 Sep	N03W46	114	plage												
04 Sep	N03W60	115	plage												
05 Sep	N03W75	117	plage												
06 Sep	N03W90	119	plage												
								1	0	0	2	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 110

		Region 4205													
29 Aug	N18E67	67	40	2	Hax	1	A								
30 Aug	N18E54	67	60	2	Hax	1	A								
31 Aug	N17E40	68	60	2	Hsx	1	A								
01 Sep	N18E26	69	60	2	Hsx	1	A								
02 Sep	N18E12	70	60	2	Hax	1	A								
03 Sep	N18W03	71	40	2	Hax	2	A								
04 Sep	N17W15	70	10	1	Axx	1	A								
05 Sep	N17W27	69	plage								1				
06 Sep	N17W41	70	plage												
07 Sep	N17W55	71	plage												
								0	0	0	1	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 71

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 4206												
29 Aug	N09E70	64	50	2	Hsx	1	A								
30 Aug	N09E58	63	80	2	Hsx	1	A								
31 Aug	N09E44	64	80	2	Hsx	1	A								
01 Sep	N09E30	65	100	2	Hsx	1	A								
02 Sep	N09E16	66	140	3	Hsx	1	A								
03 Sep	N08E01	67	80	2	Hsx	1	A								
04 Sep	N08W12	67	100	3	Hsx	1	A								
05 Sep	N08W24	66	120	2	Hsx	1	A								
06 Sep	N09W37	66	100	2	Hsx	1	A								
07 Sep	N09W50	66	80	2	Hsx	1	A								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 67

			Region 4207												
30 Aug	N30E69	52	120	4	Hax	2	A								
31 Aug	N30E58	50	160	12	Eao	6	B								
01 Sep	N30E38	44	210	14	Eao	6	B	1							
02 Sep	N30E39	43	250	16	Fko	10	B								
03 Sep	N30E24	44	300	17	Fho	6	B	1			2				
04 Sep	N29E10	45	390	19	Fhi	17	B	2	1		7	1			
05 Sep	N29W03	45	360	22	Fki	17	BG	1	1			1			
06 Sep	N29W21	50	300	8	Dki	12	BG	4	1		4				
07 Sep	N28W33	49	200	8	Dai	8	B	6			8				
								15	3	0	21	2	0	0	0

Still on Disk.
Absolute heliographic longitude: 45

			Region 4208												
31 Aug	N18W68	176	20	4	Dro	4	B								
01 Sep	N18W80	175	30	3	Cao	2	B								
02 Sep	N18W94	176	30	3	Cao	2	B								
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 176

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 4209												
02 Sep	N18W41	123	10	4	Bxo	2	B								
03 Sep	N18W56	124	plage												
04 Sep	N18W70	125	plage												
05 Sep	N18W84	126	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 123

			Region 4210												
02 Sep	N09E54	28	30	4	Cro	2	B								
03 Sep	N08E41	27	140	8	Dso	5	B	3			4				
04 Sep	N08E27	28	140	7	Dso	6	B	1			1				
05 Sep	N08E14	28	140	6	Dsi	8	B								
06 Sep	N08W01	30	70	7	Dso	7	B								
07 Sep	N08W14	30	50	6	Cso	3	B								
								4	0	0	5	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 30

			Region 4211												
02 Sep	S13E71	11	70	3	Hsx	1	A								
03 Sep	S14E56	12	210	2	Hsx	1	A	3			2				
04 Sep	S13E43	12	150	3	Hsx	1	A	1							
05 Sep	S14E30	12	160	2	Hsx	1	A								
06 Sep	S14E17	12	160	3	Hsx	1	A								
07 Sep	S14E03	13	160	2	Hsx	1	A				1				
								4	0	0	3	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 13

			Region 4212												
04 Sep	N11E07	48	15	3	Bxo	3	B								
05 Sep	N11W06	48	10	1	Axx	1	A								
06 Sep	N11W20	49	plage												
07 Sep	N09W34	50	10	2	Axx	2	A				5				
								0	0	0	5	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 48

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Region 4213													
06 Sep	S13E28	1	20	4	Cro	4	B				2				
07 Sep	S13E15	1	220	7	Dao	8	B	3			8	1			
								3	0	0	10	1	0	0	0

Still on Disk.
Absolute heliographic longitude: 1

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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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