Space Weather Highlights
25 August - 31 August 2025

SWPC PRF 2609
01 September 2025

Solar activity was at low levels on 27 and 31 Aug. Activity reached moderate levels on 25, 26, and 28-30 Aug. Region 4197 (S17, L=131, class/area-Eki/720 on 27 Aug) produced six M-class flares, the largest being an M4.5/1n at 26/0525 UTC. Region 4199 (N04, L=115, class/area-Cao/200 on 26 Aug) produced five M-class flares, with its largest being an M4.5 flare as well, reaching a peak at 25/0524 UTC. This region was also responsible for a long-duration M2.7 flare at 30/1911 UTC. The associated full halo CME is forecast to arrive at Earth sometime late on 01 Sep into early on 02 Sep.

The greater than 10 MeV proton flux at geosynchronous orbit reached S1 (Minor) storm levels at 25/1355 UTC, observed a peak of 13 pfu at 27/0740 UTC, and decreased below threshold at 27/1510 UTC. Levels remained enhanced, but below the 10 pfu threshold, for the remainder of the period.

The greater then 2 MeV electron flux at geosynchronous orbit was at high levels on 25 Aug, but returned to normal to moderate levels from 26-31 Aug.

Geomagnetic field activity reached unsettled levels on 25-28 Aug and again on 31 Aug. Field activity was at low levels on 29-30 Aug.

Space Weather Outlook
01 September - 27 September 2025

Solar activity is expected to be at low levels, with varying chances for M-class flares (R1-R2/Minor-Moderate events) through 27 Sep.

The greater than 10 MeV proton flux levels are expected to be slightly enhanced, but below the 10 pfu level for 01-03 Sep. There is a chance levels could exceed the 10 pfu threshold on 01-02 Sep as the halo CME from 30 Aug passes Earth. Conditions are then likely to return to near background levels after 04 Sep, barring any additional strong flare events.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at moderate levels on 01-02 Sep, 15-19 Sep, and 22-27 Sep. Flux levels are expected to reach high levels on 03-14 Sep and 20-21 Sep in association with coronal hole (CH) high speed stream (HSS) influence.

Geomagnetic field activity is expected to reach G2 (Moderate) geomagnetic storm levels on 01 Sep, G3 (Strong) levels on 02 Sep, and active conditions on 03 Sep following the arrival of the halo CME from 30 Aug. Active conditions are likely on 06-10 Sep, and 15-19 Sep with CH HSS influence. Quiet to unsettled levels are expected on 04-05 Sep, 11-14 Sep, and 20-27 Sep.

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
25 August	175	136	820	C2.1	10	4	0	12	1	0	0	0
26 August	202	193	1570	C2.8	6	3	0	20	3	0	0	0
27 August	226	227	1730	C2.1	2	0	0	19	0	0	0	0
28 August	232	201	1790	C2.9	11	5	0	16	1	0	0	0
29 August	222	195	1670	C2.2	10	1	0	10	0	0	0	0
30 August	317	183	1685	C1.6	4	3	0	0	0	0	0	0
31 August	217	188	1760	C1.6	5	0	0	0	0	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
25 August	3.5e+06	6.7e+05	4.1e+07
26 August	7.0e+06	7.6e+05	1.2e+07
27 August	2.4e+07	8.6e+05	1.3e+07
28 August	1.7e+07	4.4e+05	1.3e+07
29 August	8.9e+06	2.4e+05	1.6e+07
30 August	7.3e+06	1.5e+05	1.3e+07
31 August	3.4e+06	6.8e+04	1.4e+07

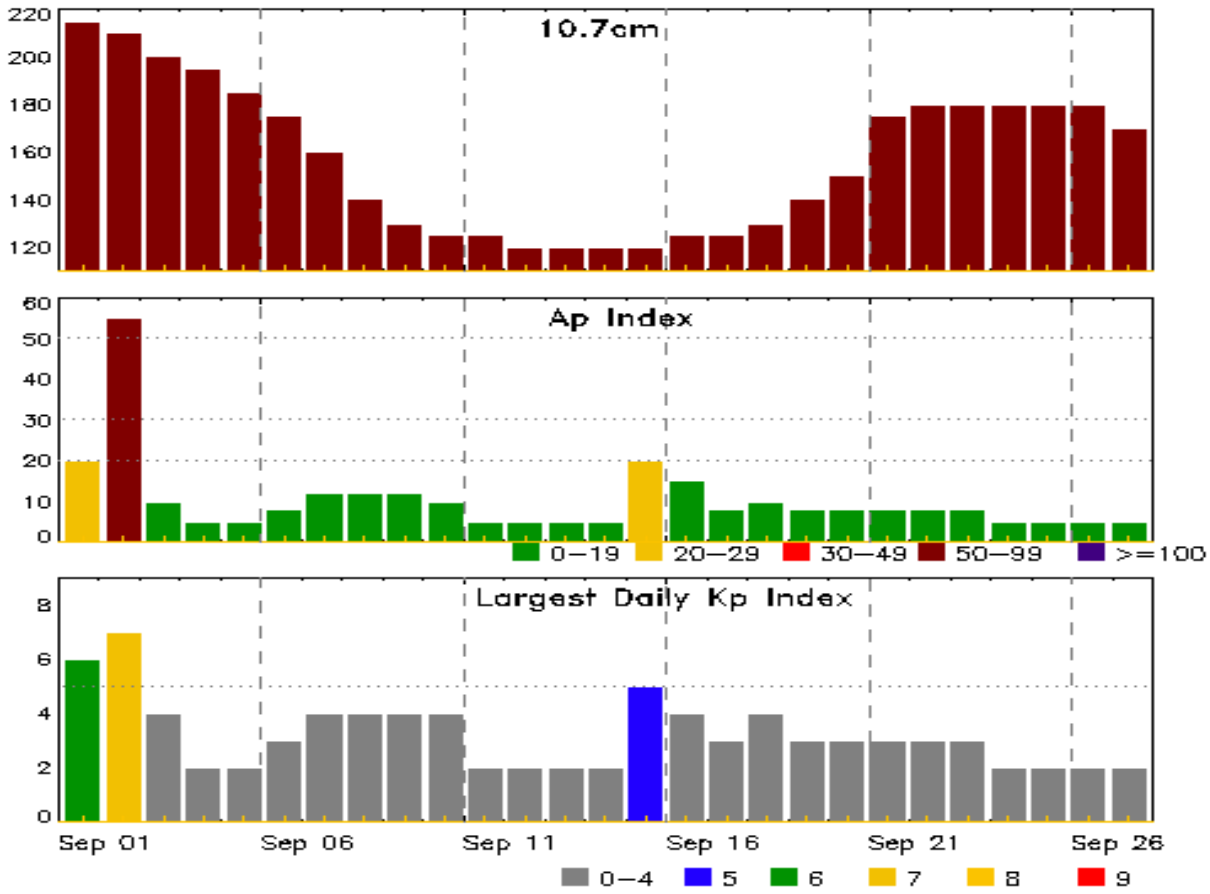
Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
25 August	7	0-1-1-2-4-2-2-1	12	0-1-1-2-5-4-1-1	8	1-1-1-1-3-3-2-2
26 August	10	2-3-3-2-3-2-1-2	24	2-4-3-5-3-5-2-4	8	2-3-2-3-2-1-1-2
27 August	9	2-1-1-3-3-2-3-2	12	2-1-1-2-3-3-3-4	8	1-1-1-3-3-2-2-2
28 August	7	1-1-2-2-3-2-2-2	9	2-2-3-2-2-2-2-3	7	2-2-3-2-2-1-2-2
29 August	6	2-1-1-2-2-2-2-1	6	2-2-1-1-1-2-2-2	6	2-2-1-1-1-2-2-2
30 August	8	2-1-2-2-3-2-2-2	11	2-1-3-4-2-3-2-2	7	2-1-2-2-2-2-2-2
31 August	9	2-2-1-3-3-2-2-2	6	2-1-1-3-1-2-2-1	9	2-2-1-3-2-2-2-2

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
25 Aug 1139	EXTENDED WARNING: Proton 10MeV Integral Flux > 10pfu	24/2340 - 25/2359
25 Aug 1252	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	24/1620
25 Aug 1415	ALERT: Proton Event 10MeV Integral Flux >= 10pfu	25/1355
25 Aug 1924	EXTENDED WARNING: Proton 10MeV Integral Flux > 10pfu	24/2340 - 26/1200
26 Aug 1126	EXTENDED WARNING: Proton 10MeV Integral Flux > 10pfu	24/2340 - 26/2359
26 Aug 1646	EXTENDED WARNING: Proton 10MeV Integral Flux > 10pfu	24/2340 - 27/0900
27 Aug 0848	EXTENDED WARNING: Proton 10MeV Integral Flux > 10pfu	24/2340 - 27/2359
28 Aug 1129	SUMMARY: Proton Event 10MeV Integral Flux >= 10pfu	25/1355 - 27/1510
31 Aug 0458	WATCH: Geomagnetic Storm Category G3 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
01 Sep	215	20	6	15 Sep	120	20	5
02	210	55	7	16	125	15	4
03	200	10	4	17	125	8	3
04	195	5	2	18	130	10	4
05	185	5	2	19	140	8	3
06	175	8	3	20	150	8	3
07	160	12	4	21	175	8	3
08	140	12	4	22	180	8	3
09	130	12	4	23	180	8	3
10	125	10	4	24	180	5	2
11	125	5	2	25	180	5	2
12	120	5	2	26	180	5	2
13	120	5	2	27	170	5	2
14	120	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
25 Aug	0501	0524	0540	M4.5	0.059				4199				
25 Aug	0904	0907	0909	M1.0	0.004				4197				
25 Aug	1506	1518	1528	M1.2	0.014	SF	N05	E74	4199				
25 Aug	1530	1538	1541	M1.1	0.008				4199				
26 Aug	0022	0030	0035	M3.3	0.017				4199	210			
26 Aug	0509	0525	0540	M4.5	0.049	1N	S21	E47	4197	150	310		
26 Aug	1339	1407	1432	M1.0	0.027				4202				
28 Aug	1411	1416	1422	M1.1	0.008				4197				
28 Aug	1700	1711	1717	M1.2	0.008				4203				
28 Aug	1848	1903	1909	M1.0	0.008	SN	S18	E20	4197				
28 Aug	2030	2040	2046	M1.5	0.010				4203				
28 Aug	2030	2040	2046	M1.5	0.010				4203				
29 Aug	0409	0416	0418	M1.0	0.004				4203				
30 Aug	1400	1409	1423	M1.3	0.011				4197				
30 Aug	1551	1559	1612	M1.2	0.013				4197				
30 Aug	1911	2002	2041	M2.7	0.094				4199				

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat	CMD
25 Aug	0156	0200	0206	C4.8			4199
25 Aug	0229	0235	0240	C4.3			4199
25 Aug	0501	0524	0540	M4.5			4199
25 Aug	0845	0855	0904	C9.9			4199
25 Aug	0848	0848	0852		SF	S16E65	4197
25 Aug	B0904	U0904	0917		SF	S15E67	4197
25 Aug	0904	0907	0909	M1.0			4197
25 Aug	1030	1042	1051	C5.5	1F	S16E65	4197
25 Aug	B1115	U1116	A1132		SF	S16E65	4197
25 Aug	1234	1242	1245	C3.8			4199
25 Aug	1450	1451	1455		SF	S16E63	4197
25 Aug	1452	1459	1505	C4.5			4199
25 Aug	1506	1518	1528	M1.2	SF	N05E74	4199
25 Aug	1530	1538	1541	M1.1			4199
25 Aug	1611	1616	1622	C4.8			4199

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
25 Aug	1650	1655	1701	C4.6			4199
25 Aug	1747	1754	1756		SF	S17E65	4197
25 Aug	1757	1801	1801		SF	S17E65	4197
25 Aug	1803	1804	1805		SF	S17E65	4197
25 Aug	1806	1811	1813		SF	S17E65	4197
25 Aug	1818	1822	1827		SF	S17E65	4197
25 Aug	2105	2106	2108		SF	N10E19	4191
25 Aug	2117	2124	2127	C3.2			4199
25 Aug	2139	2139	2145		SF	N09W48	
25 Aug	2308	2315	2320	C3.1			4197
26 Aug	B0000	0021	0038		SF	S15E58	4197
26 Aug	0022	0030	0035	M3.3			4199
26 Aug	0036	0036	0039		SF	N02E80	4199
26 Aug	B0102	0105	0107		1F	N13E19	4191
26 Aug	B0103	0106	0107		1F	S17E59	4197
26 Aug	0128	0134	0139	C7.4			4197
26 Aug	0221	0228	0230	C4.7	SF	S19E57	4197
26 Aug	0249	0257	0302	C5.7			4197
26 Aug	0302	0308	0314	C5.5			4197
26 Aug	0322	0322	0326		SF	S19E57	4197
26 Aug	0509	0525	0540	M4.5	1N	S21E47	4197
26 Aug	0827	0831	0835		SF	S17E52	4197
26 Aug	0959	1003	1005		SF	S16E50	4197
26 Aug	1032	1035	1038		SF	S16E50	4197
26 Aug	1042	1051	1053		SF	S16E50	4197
26 Aug	1102	1103	1110		SF	S18E54	4197
26 Aug	1117	1120	1122		SF	S16E49	4197
26 Aug	1203	1203	1212		SF	S16E49	4197
26 Aug	1228	1228	1235		SF	S18E54	4197
26 Aug	1259	1311	1323	C6.9			4199
26 Aug	1339	1407	1432	M1.0			4202
26 Aug	1521	1522	1524		SF	S18E52	4197
26 Aug	1550	1552	1554		SF	S18E52	4197
26 Aug	1920	1925	1937		SF	N13E05	4191
26 Aug	1951	1953	1959		SF	N12E07	4191
26 Aug	2014	2017	2021		SF	N09E24	4198
26 Aug	2044	2047	2049		SF	S21E47	4197
26 Aug	2056	2057	2059		SF	S21E47	4197

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
26 Aug	2121	2128	2137		SF	S18E47	4197
26 Aug	2357	0008	0026	C7.5			4199
27 Aug	0525	0525	0527		SF	S13E38	4197
27 Aug	1227	1250	1333	C9.2	SF	N05E56	4199
27 Aug	1424	1433	1442	C5.4	SF	N07E55	4199
27 Aug	1926	2017	2024		SF	S18E33	4197
27 Aug	2008	2011	2024		SF	N11E10	4198
27 Aug	2010	2012	2018		SF	N10W77	4203
27 Aug	2032	2034	2041		SF	N10E09	4198
27 Aug	2058	2058	2105		SF	N10W77	4203
27 Aug	2103	2103	2126		SF	S17E27	4197
27 Aug	2116	2159	2234		SF	S08W13	4200
27 Aug	2120	2125	2130		SF	N10W77	4203
27 Aug	2127	2232	2235		SF	S18E32	4197
27 Aug	2132	2139	2154		SF	N10W75	4203
27 Aug	2141	2144	2156		SF	N14W08	4191
27 Aug	2204	2204	2205		SF	N08E55	4204
27 Aug	2234	2235	2244		SF	N10W75	4203
27 Aug	2242	2248	2253		SF	S15E32	4197
27 Aug	2243	2312	2314		SF	S17E32	4197
27 Aug	2307	2313	2318		SF	N10W78	4203
28 Aug	0006	0017	0026	C6.6	1F	S17E19	4195
28 Aug	0026	0033	0035	C5.4			4203
28 Aug	0207	0215	0222	C3.6			4197
28 Aug	0330	0339	0356	C4.5			4203
28 Aug	0359	0402	0404		SF	N11W77	4203
28 Aug	0411	0412	0421		SF	N11W77	4203
28 Aug	0440	0442	0446		SF	N11W77	4203
28 Aug	0500	0502	0504		SF	N10W74	4203
28 Aug	0508	0515	0521		SF	N10W74	4203
28 Aug	0529	0558	0600		SF	N09W76	4203
28 Aug	0639	0647	0651		SF	N09W76	4203
28 Aug	0730	0739	0741		SF	N09W79	4203
28 Aug	0825	0831	0850		SF	N09W79	4203
28 Aug	1023	1028	1033	C4.8			4203
28 Aug	1027	1030	1034		SF	N10W81	4203
28 Aug	1400	1407	1411	C8.5			4197
28 Aug	1404	1404	1546		SF	S18E24	4197

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
28 Aug	1411	1416	1422	M1.1			4197
28 Aug	1513	1520	1534	C4.9	SF	N10W81	4203
28 Aug	1700	1711	1717	M1.2			4203
28 Aug	1729	1731	1734		SF	N00E00	4203
28 Aug	1810	1817	1823	C3.6			
28 Aug	1848	1903	1909	M1.0	SN	S18E20	4197
28 Aug	1940	2008	2056		SF	S22E37	4201
28 Aug	2013	2027	2030	C6.0			4197
28 Aug	2030	2040	2046	M1.5			4203
28 Aug	2030	2040	2046	M1.5			4203
28 Aug	2145	2154	2213	C5.5	SF	S12W61	4188
28 Aug	2235	2242	2245	C7.0			4201
29 Aug	0017	0028	0038	C6.5			4195
29 Aug	0038	0044	0057	C6.9			4203
29 Aug	0132	0143	0200	C5.3			4197
29 Aug	0200	0204	0207	C5.3			4197
29 Aug	0409	0416	0418	M1.0			4203
29 Aug	0612	0619	0625	C4.3			4203
29 Aug	0846	0854	0901	C2.9			4203
29 Aug	0901	0909	0911	C2.6			4203
29 Aug	1136	1143	1146		SF	S22E10	4197
29 Aug	1220	1229	1238	C3.4			4197
29 Aug	1238	1244	1248	C5.9			4199
29 Aug	1243	1245	1254		SF	S22E11	4197
29 Aug	1330	1330	1334		SF	S11W35	4200
29 Aug	1349	1351	1356		SF	S21E10	4197
29 Aug	1434	1435	1436		SF	S17E06	4197
29 Aug	1446	1447	1512		SF	S17E06	4197
29 Aug	1522	1542	1552		SF	S17E06	4197
29 Aug	1608	1614	1633		SF	S17E06	4197
29 Aug	1620	1621	1629		SF	S09W38	4200
29 Aug	1703	1710	1729	C5.0	SF	S19E05	4197
30 Aug	0535	0547	0557	C4.2			4197
30 Aug	1027	1037	1039	C4.9			4195
30 Aug	1400	1409	1423	M1.3			4197
30 Aug	1551	1559	1612	M1.2			4197
30 Aug	1911	2002	2041	M2.7			4199
30 Aug	2216	2223	2235	C7.2			4197

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
30 Aug	2333	2345	0002	C4.6			4197
31 Aug	0126	0133	0140	C5.6			4197
31 Aug	0352	0358	0404	C4.3			4197
31 Aug	0924	0932	0938	C3.6			4191
31 Aug	1758	1826	1854	C6.8			4202
31 Aug	2239	2253	2311	C3.7			4197

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 4182													
13 Aug	N08E71	274	30	1	Hax	1	A								
14 Aug	N08E58	275	20	1	Hrx	1	A								
15 Aug	N09E42	277	20	1	Hsx	1	A								
16 Aug	N08E30	276	30	3	Dao	5	B								
17 Aug	N08E16	277	10	1	Hsx	1	A								
18 Aug	N08E02	278	10	1	Axx	1	A								
19 Aug	N09W12	279	plage												
20 Aug	N10W27	280	plage												
21 Aug	N10W41	281	plage												
22 Aug	N10W55	282	plage												
23 Aug	N10W69	283	plage												
24 Aug	N10W83	284	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 278

		Region 4187													
18 Aug	S18E19	261	10	3	Cro	2	B								
19 Aug	S17E05	262	40	4	Dao	4	B								
20 Aug	S18W08	261	40	4	Dao	4	B								
21 Aug	S19W21	261	40	4	Cao	5	B								
22 Aug	S19W33	260	10	1	Hrx	1	A								
23 Aug	S20W47	261	10	1	Hrx	1	A								
24 Aug	S18W58	258	plage					1							
25 Aug	S18W71	259	plage												
26 Aug	S18W85	259	plage												
								1	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 262

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 4188													
18 Aug	S09E72	208	40	3	Hax	1	A	1							
19 Aug	S09E57	209	40	1	Hsx	1	A								
20 Aug	S09E43	210	40	2	Hsx	1	A								
21 Aug	S09E30	210	40	2	Hsx	1	A	1							
22 Aug	S09E18	209	40	3	Hsx	1	A								
23 Aug	S09E04	210	50	2	Hsx	1	A								
24 Aug	S09W10	211	50	1	Hsx	1	A								
25 Aug	S09W24	212	50	1	Hsx	1	A								
26 Aug	S09W37	211	30	1	Hsx	1	A								
27 Aug	S09W50	211	30	1	Hsx	1	A								
28 Aug	S09W64	212	30	1	Hrx	1	A				1				
29 Aug	S09W78	212	plage												
								2	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 210

		Region 4189													
19 Aug	N07E47	220	10	1	Axx	1	A								
20 Aug	N08E32	221	10	3	Bxo	2	B								
21 Aug	N06E18	222	30	4	Cro	6	B								
22 Aug	N07E04	223	30	4	Cso	4	B								
23 Aug	N08W09	223	30	4	Cso	3	B								
24 Aug	N08W24	225	10	1	Hsx	1	A								
25 Aug	N08W38	226	10	1	Axx	1	A								
26 Aug	N08W52	226	plage												
27 Aug	N08W66	227	plage												
28 Aug	N08W80	228	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 223

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 4190													
20 Aug	N18E56	197	10	1	Axx	1	A								
21 Aug	N18E42	198	10	1	Axx	1	A								
22 Aug	N18E29	198	plage												
23 Aug	N18E15	199	plage												
24 Aug	N18E01	200	plage												
25 Aug	N18W13	201	plage												
26 Aug	N19W28	202	10	3	Bxo	2	B								
27 Aug	N19W42	203	10	1	Axx	1	A								
28 Aug	N19W56	204	plage												
29 Aug	N19W70	204	plage												
30 Aug	N19W84	205	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 200

		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							
								11	0	0	11	1	0	0	0

Still on Disk.
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 4192												
21 Aug	N28W28	268	10	3	Bxo	2	B								
22 Aug	N26W43	270	plage												
23 Aug	N26W57	271	plage												
24 Aug	N26W71	272	plage												
25 Aug	N26W85	273	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 268

			Region 4193												
23 Aug	S27W02	216	10	3	Bxo	3	B								
24 Aug	S27W16	217	10	1	Axx	1	A								
25 Aug	S27W30	218	plage												
26 Aug	S27W44	218	plage												
27 Aug	S27W58	219	plage												
28 Aug	S27W72	220	plage												
29 Aug	S27W86	220	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 216

			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

Still on Disk.
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												
								3	0	0	0	1	0	0	0

Still on Disk.
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												
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 136

			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							
								19	6	0	41	3	0	0	0

Still on Disk.
Absolute heliographic longitude: 131

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 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												
								0	0	0	3	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 154

			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								
								13	5	0	3	0	0	0	0

Still on Disk.
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								
								0	0	0	3	0	0	0	0

Still on Disk.
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								
								1	0	0	1	0	0	0	0

Still on Disk.
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							
								1	1	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 113

			Region 4203												
26 Aug	N10W61	235	10	5	Bxi	7	B								
27 Aug	N12W75	236	60	5	Dao	7	B				6				
28 Aug	N12W89	237	50	5	Dao	7	B	4	3		12				
								4	3	0	18	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 235

			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												
								1	0	0	1	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 110

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 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								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 68

			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								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 64

			Region 4207												
30 Aug	N30E69	52	120	4	Hax	2	A								
31 Aug	N30E58	50	160	12	Eao	6	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 50

			Region 4208												
31 Aug	N18W68	176	20	4	Dro	4	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 176

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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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