

Space Weather Highlights
19 August - 25 August 2024

SWPC PRF 2556
26 August 2024

Solar activity was at R1 (Minor) to R2 (Moderate) levels on 19-24 Aug. A total of 18 R1 (Minor) flares were observed on 19-24 Aug from Regions 3785 (S15, L=107, class/area Dai/100 on 18 Aug), 3796 (S03, L=353, class/area Dki/380 on 23 Aug), 3800 (S27, L=331, class/area Eai/160 on 25 Aug) and 3801 (N07, L=300, class/area Cso/140 on 23 Aug). A total of two R2 (Moderate) flares were observed from Regions 3796 and 3800. No Earth-directed CMEs were observed from any of these flares. Region 3794 (S17, L=040, class/area Dai/240 on 20 Aug) produced a C5.9 flare at 23/0210 UTC. LASCO C2 imagery observed a CME off the W limb with a likely Earth-directed component. The periphery of the slow-moving ejecta is forecasted to brush by Earth late on 27 Aug to early on 28 Aug.

No proton events were observed at geosynchronous orbit.

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

Geomagnetic field activity was at mostly quiet to isolated unsettled levels. The solar wind field on 19-25 Aug was at mostly nominal levels for the period. Bz reached a maximum high of 11 nT early on 23 Aug while the Bz component reached -10 nT during that same time. Wind speeds ranged from a high of 435 km/s to a low of 300 km/s. The phi orientation was mostly positive through the period.

Space Weather Outlook
26 August - 21 September 2024

Solar activity is likely to be at moderate levels throughout the outlook period due to multiple complex regions on the visible disk and regions anticipated to return.

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 during the outlook period.

Geomagnetic field activity is expected to be mostly quiet. Unsettled to active conditions are possible on 27-28 Aug due to potential CME effects from the 23 Aug CME. Unsettled conditions are possible on 17-18 Sep due to positive polarity coronal hole influence. Mostly quiet conditions are forecast for 26 Aug, 29-31 Aug, 01-16 Sep and 19-21 Sep. The long-term forecast only contains recurrent solar wind features like CH HSSs and SSBCs. CMEs will be added as they occur.



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
19 August	239	213	2240	C2.9	10	2	0	9	1	0	0	0
20 August	244	200	2010	C3.0	3	2	0	17	0	0	0	0
21 August	239	176	1730	C2.5	5	2	0	9	0	1	0	0
22 August	231	175	1690	C2.4	15	1	0	17	2	0	0	0
23 August	242	180	1730	C2.9	11	8	0	20	3	0	0	0
24 August	232	172	1780	C2.1	11	5	0	23	3	1	0	0
25 August	233	178	1640	C1.9	14	0	0	12	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
	19 August	5.2e+04	1.7e+04
20 August	3.5e+04	1.7e+04	1.1e+06
21 August	3.3e+04	1.8e+04	1.7e+06
22 August	3.1e+04	1.8e+04	9.3e+05
23 August	3.3e+04	1.7e+04	1.3e+06
24 August	5.6e+04	1.7e+04	1.7e+06
25 August	3.7e+04	1.8e+04	3.7e+06

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	19 August	11	1-1-1-3-4-2-3-3	11	1-2-0-1-5-3-2-2	10
20 August	9	1-2-2-2-4-2-2-2	15	1-3-3-4-4-3-2-2	7	1-2-2-2-2-2-2-2
21 August	8	3-1-2-2-3-2-2-1	13	2-2-3-4-4-3-1-1	8	3-2-2-2-2-2-2-1
22 August	11	3-3-2-3-3-2-2-2	14	2-4-4-3-3-2-1-2	10	3-3-2-2-2-2-2-3
23 August	8	2-1-2-2-3-2-2-2	10	2-2-4-1-4-0-2-1	7	2-2-3-2-2-1-2-2
24 August	12	1-2-3-3-3-4-2-2	26	1-2-5-6-3-5-2-1	10	2-2-3-3-2-3-2-2
25 August	8	2-2-3-2-3-2-1-1	7	2-2-4-2-0-1-1-0	9	2-2-3-2-1-1-1-2

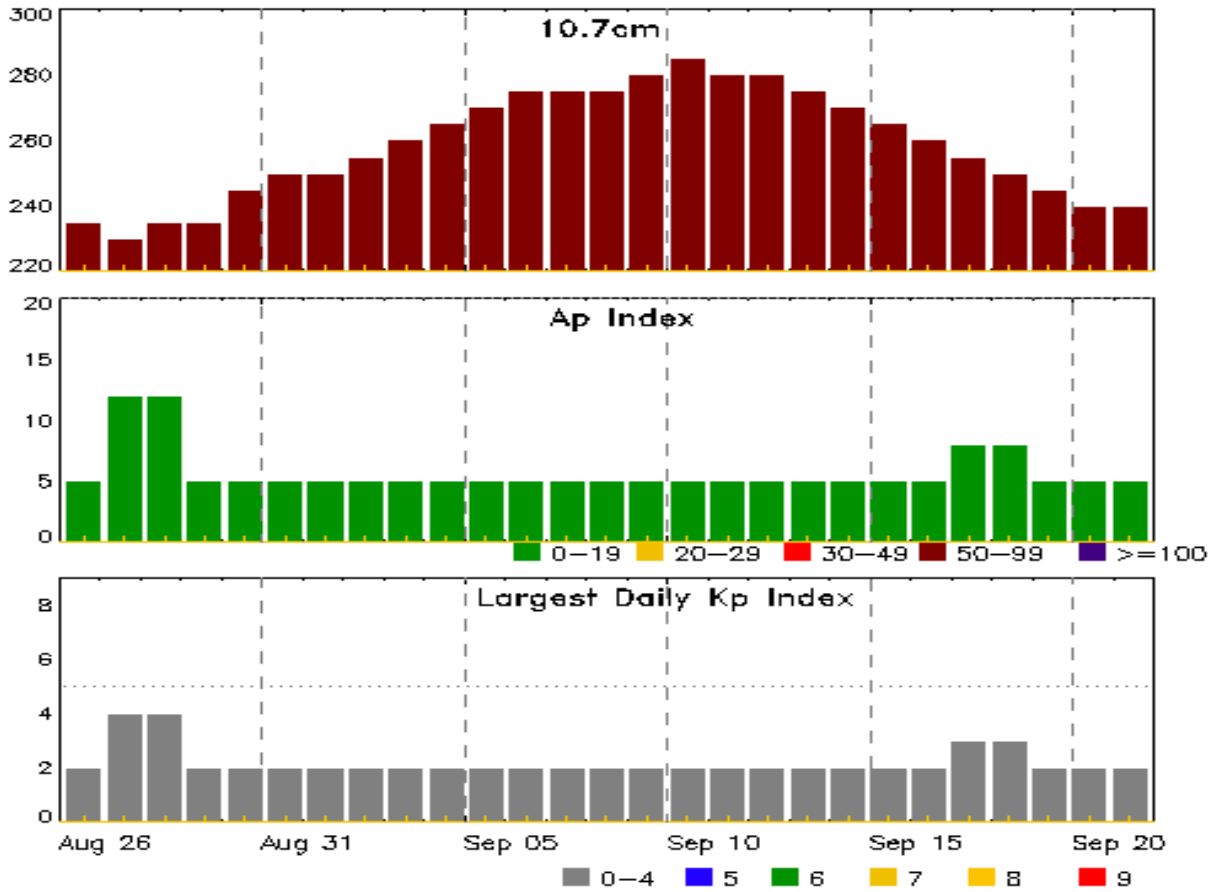


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
21 Aug 0147	WARNING: Geomagnetic K = 4	21/0147 - 0600
21 Aug 0559	EXTENDED WARNING: Geomagnetic K = 4	21/0147 - 0900
21 Aug 2211	ALERT: X-ray Flux exceeded M5	21/2207
21 Aug 2230	SUMMARY: X-ray Event exceeded M5	21/2159 - 2217
22 Aug 0246	WARNING: Geomagnetic K = 4	22/0246 - 0900
23 Aug 0220	ALERT: Type II Radio Emission	23/0119
23 Aug 0354	ALERT: Type II Radio Emission	23/0343
23 Aug 0619	WARNING: Geomagnetic K = 4	23/0619 - 1200
23 Aug 2020	ALERT: X-ray Flux exceeded M5	23/2012
23 Aug 2027	SUMMARY: X-ray Event exceeded M5	23/2008 - 2018
25 Aug 0019	ALERT: Type II Radio Emission	25/0000



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
26 Aug	235	5	2	09 Sep	280	5	2
27	230	12	4	10	285	5	2
28	235	12	4	11	280	5	2
29	235	5	2	12	280	5	2
30	245	5	2	13	275	5	2
31	250	5	2	14	270	5	2
01 Sep	250	5	2	15	265	5	2
02	255	5	2	16	260	5	2
03	260	5	2	17	255	8	3
04	265	5	2	18	250	8	3
05	270	5	2	19	245	5	2
06	275	5	2	20	240	5	2
07	275	5	2	21	240	5	2
08	275	5	2				

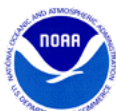


Energetic Events

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
19 Aug	0928	0936	0940	M1.3	0.005	SF	S14W57	3785			100	
19 Aug	2141	2152	2202	M3.7	0.026	1N	S03E56	3796				
20 Aug	0437	0448	0454	M1.2	0.010			3796				
20 Aug	1706	1708	1712	M1.3	0.004	SF	S13W81	3785				
21 Aug	0553	0602	0611	M1.1	0.010	SF	S02E41	3796				
21 Aug	2159	2208	2217	M5.1	0.033	2N	S03E31	3796	730			
22 Aug	1032	1039	1047	M1.5	0.010	1N	S03E24	3796				
23 Aug	0331	0341	0345	M3.4	0.011			3801			100	1
23 Aug	0412	0418	0424	M1.0	0.002	SF	S27E32	3800				
23 Aug	1350	1357	1410	M1.7	0.013	SN	S27E25	3800	100			
23 Aug	1452	1505	1513	M1.7	0.015	SN	N09E60	3801				
23 Aug	1633	1645	1700	M1.1	0.016	SF	S27E23	3800				
23 Aug	1923	1933	1939	M1.1	0.010	1N	N11E56	3801				
23 Aug	1939	1944	1949	M3.4	0.005			3800				
23 Aug	2008	2012	2018	M5.1	0.021	1N	S25E22	3800				
24 Aug	0002	0014	0020	M1.6	0.009	SF	S04E01	3796	180			
24 Aug	1846	1858	1917	M1.0	0.016	SF	S04E03	3796				
24 Aug	1917	1930	1935	M1.4	0.013			3796				
24 Aug	2128	2146	2155	M1.3	0.012	1F	S25E09	3800				
24 Aug	2318	2324	2332	M1.7	0.009	1N	S25E08	3800				

Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location	Rgn #
19 Aug	0134	0141	0145	C7.7			3793
19 Aug	0414	0422	0428	C5.5			3794
19 Aug	0506	0514	0522	C4.3			3794
19 Aug	0824	0835	0855	C4.2	SF	S09E27	3790
19 Aug	0928	0936	0940	M1.3	SF	S14W57	3785
19 Aug	1133	1137	1141	C5.7			3784
19 Aug	1353	1407	1415	C6.3			3797
19 Aug	1359	1403	1415		SF	S15W56	3785
19 Aug	1417	1420	1424		SF	S03W23	3797
19 Aug	1430	1438	1440		SF	S16W62	3785
19 Aug	1545	1552	1604	C4.4	SF	S13E39	3792



Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/Brtns	Location Lat CMD	Rgn #
19 Aug	1626	1629	1634	C7.1	SN	S16W63	3785
19 Aug	1707	1717	1734	C5.1			3796
19 Aug	2003	2016	2026	C9.8	SF	S11E23	3790
19 Aug	2108	2108	2111		SF	S10E18	3790
19 Aug	2141	2152	2202	M3.7	1N	S03E56	3796
20 Aug	0437	0448	0454	M1.2			3796
20 Aug	0630	0630	0631		SF	S11E16	3790
20 Aug	1220	1228	1236	C7.4			3790
20 Aug	B1334	1334	1335		SF	S01E45	3796
20 Aug	B1334	1334	1337		SF	S10E12	3790
20 Aug	1355	1358	1409		SF	S14E13	3790
20 Aug	1445	1450	1458	C8.7			3784
20 Aug	1537	1542	1550		SF	S10E12	3790
20 Aug	1621	1625	1628		SF	N03E44	3796
20 Aug	1630	1638	1654		SF	N27E13	3793
20 Aug	1701	1704	1723		SF	N00E49	3796
20 Aug	1701	1702	1704		SF	S06E09	3790
20 Aug	1702	1708	1734		SF	N26E13	3793
20 Aug	1706	1708	1712	M1.3	SF	S13W81	3785
20 Aug	1721	1721	1723		SF	S03E51	1725
20 Aug	1749	1755	1800		SF	N03E42	3796
20 Aug	1810	1810	1812		SF	S05E06	3790
20 Aug	1838	1840	1848		SF	N03E42	3796
20 Aug	1921	1922	1924		SF	S08E06	3790
20 Aug	2109	2119	2124	C8.9			3784
20 Aug	2343	2343	2349		SF	N25W53	3789
21 Aug	0037	0043	0047	C4.0			3789
21 Aug	0541	0541	0544	M1.1	SF	S02E41	3796
21 Aug	0651	0653	0703		SF	S03E39	3796
21 Aug	0944	0951	0956	C4.7			3784
21 Aug	B1136	U1138	A1146		SF	S10E12	3790
21 Aug	1201	U1202	1205		SF	S09E01	3790
21 Aug	1228	U1233	1256		SF	N22E09	3793
21 Aug	1417	1424	1431	C3.8	SF	S10E72	3799
21 Aug	1524	1527	1528		SF	S03E37	3796
21 Aug	1608	1632	1746	C8.8			3784
21 Aug	1709	1709	1714		SF	N20W17	3794
21 Aug	1809	1810	1848		SF	S03E36	3796



Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
21 Aug	2139	2147	2159	C5.3			
21 Aug	2145	2206	2315	M5.1	2N	S03E31	3796
22 Aug	0038	0038	0040		SF	N09E81	
22 Aug	0042	0057	0103		SF	S02E29	3796
22 Aug	0117	0134	0146	C6.1	SF	N27W67	3789
22 Aug	0136	0136	0138		SF	S02E24	3796
22 Aug	0409	0416	0420	C4.2			
22 Aug	0433	0439	0449	C5.0			3796
22 Aug	0610	0616	0624	C8.3	SF	S02E24	3796
22 Aug	0632	0637	0641		SF	S11E60	3799
22 Aug	0804	0808	0812	C5.6	SF	N09E75	
22 Aug	0950	U0954	1000		SF	N09E75	
22 Aug	1032	1039	1047	M1.5	1N	S03E24	3796
22 Aug	1252	1259	1305	C5.7	SF	S11E56	3799
22 Aug	1311	1312	1323		SF	S11E58	3799
22 Aug	1315	1321	1338		SF	S05E25	3796
22 Aug	1347	1349	1409		SF	S27E41	3800
22 Aug	1521	1528	1537	C7.8	1N	N09E72	3801
22 Aug	1822	1824	1824		SF	S07E55	3799
22 Aug	1844	1850	1856	C3.9	SF	S04E19	3796
22 Aug	1904	1906	1909		SF	N11E69	3801
22 Aug	1949	1953	2000		SF	S11E49	3799
22 Aug	2011	2021	2031	C3.4			3799
22 Aug	2031	2038	2048	C3.2			3801
22 Aug	2123	2130	2137	C6.1	SF	N11E69	3801
22 Aug	2150	2153	2207		SF	S03E19	3796
22 Aug	2331	2339	2341	C4.2			3796
22 Aug	2341	2351	2354	C5.3			3801
22 Aug	2354	0000	0006	C9.2			3796
22 Aug	2354	0000	0006	C9.1			3796
23 Aug	0000	0000	0032		1F	S02E16	3796
23 Aug	0203	0210	0219	C5.9			3794
23 Aug	0227	0234	0241	C6.1			
23 Aug	0331	0341	0345	M3.4			3801
23 Aug	0412	0418	0424	M1.0	SF	S27E32	3800
23 Aug	B0425	0425	0427		SF	S27E32	3800
23 Aug	0535	0542	0548	C5.2	SF	N09E66	3801
23 Aug	0615	0625	0701	C7.6	SF	S28E30	3800



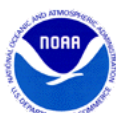
Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical	
	Begin	Max	End			Location Lat CMD	Rgn #
23 Aug	0708	0718	0738	C7.4	SF	N10E63	3801
23 Aug	0752	0753	0756		SF	S12W23	3790
23 Aug	0824	0836	0842	C4.9	SF	S12W24	3790
23 Aug	0902	0902	0906		SF	S11E47	3799
23 Aug	0945	1024	1039	C9.5	SF	S28E28	3800
23 Aug	1045	1047	1050		SF	N09E62	3801
23 Aug	1104	1106	1111		SF	N09E62	3801
23 Aug	1139	1140	1210	C4.4	SF	N09E62	3801
23 Aug	1231	1237	1245	C4.8	SF	N09E61	3801
23 Aug	1245	1303	1311	C6.2			3801
23 Aug	1255	1258	1315		SF	S28E27	3800
23 Aug	1350	1357	1410	M1.7	SN	S27E25	3800
23 Aug	1441	1505	1521	M1.7	SN	N09E60	3801
23 Aug	1525	1531	1544		SF	N09E60	3801
23 Aug	1601	U1627	A1646		SF	S27E23	3800
23 Aug	1619	1621	1627		SF	S10E44	3799
23 Aug	1633	1645	1700	M1.1			3800
23 Aug	1742	1758	1810		SF	S26E23	3800
23 Aug	1923	1933	1939	M1.1	1N	N11E56	3801
23 Aug	1939	1944	1949	M3.4			3800
23 Aug	2003	2013	A2100	M5.1	1N	S25E22	3800
23 Aug	2312	2320	2329	C3.3			3799
24 Aug	0002	0014	0020	M1.6	SF	S04E01	3796
24 Aug	0251	0257	0303	C6.9	SF	S25E11	3800
24 Aug	0401	0411	0417	C5.6	SF	S03W03	3796
24 Aug	0527	0545	0610	C4.4			3800
24 Aug	0610	0624	0634	C4.2			3799
24 Aug	0737	0738	0749		SF	S12E27	3799
24 Aug	0829	0829	0840		SF	S27E16	3800
24 Aug	0850	0903	0916	C6.8	SF	S08W39	3790
24 Aug	0858	0902	0918		1F	S12E11	3790
24 Aug	0925	0928	0932	C6.6	SN	S13E27	3799
24 Aug	1332	1337	1344	C3.8	SF	S27E13	3800
24 Aug	1344	1348	1352	C4.4	SF	S27E13	3800
24 Aug	1407	1411	1417	C3.6	SF	S03W08	3796
24 Aug	1425	1427	1436		SF	S27E13	3800
24 Aug	1638	1651	1658	C4.6			3796
24 Aug	1641	1642	1657		SF	N08E48	3801



Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/Brtns	Location Lat CMD	Rgn #
24 Aug	1645	1647	1659		SF	S25E09	3800
24 Aug	1647	1649	1706		SF	S03W05	3796
24 Aug	1818	1818	1824		SF	S25E09	3800
24 Aug	1826	1831	1839		SF	S25E08	3800
24 Aug	1842	1923	2039		2F	S03W09	3796
24 Aug	1846	1858	1917	M1.0			3796
24 Aug	1904	1904	1907		SF	S25E08	3800
24 Aug	1917	1930	1935	M1.4			3796
24 Aug	1921	1923	1933		SF	S04E03	3796
24 Aug	1953	2003	2021		SF	S25E09	3800
24 Aug	2033	2033	2039		SF	S25E09	3800
24 Aug	2042	2053	2117		SF	S25E09	3800
24 Aug	2128	2146	2155	M1.3	1F	S25E09	3800
24 Aug	2249	2256	2302	C7.7	SF	S13W44	3790
24 Aug	2318	2324	2332	M1.7	1N	S25E08	3800
24 Aug	2334	2342	0006		SF	N22W63	3794
25 Aug	0029	0031	0043		SF	S03W15	3796
25 Aug	0242	0248	0253	C3.8	SF	S28E05	3800
25 Aug	0346	0349	0352	C3.8			3800
25 Aug	0352	0356	0403	C4.3			3800
25 Aug	0403	0410	0416	C5.8			3800
25 Aug	0406	0409	0418		SF	S26E03	3800
25 Aug	0602	0607	0611	C2.9			3800
25 Aug	0643	0652	0656	C7.1	SF	S28E05	3800
25 Aug	0718	0719	0720		SF	S27E01	3800
25 Aug	0739	0745	0756	C3.2			3800
25 Aug	0756	0800	0809	C2.9			3792
25 Aug	1002	1006	1015	C4.6			3794
25 Aug	1212	1216	1226	C3.3			3800
25 Aug	1514	1525	1546	C3.7			3800
25 Aug	1625	1632	1636	C4.1			3794
25 Aug	1723	1735	1751	C5.8	SF	S26W05	3800
25 Aug	1801	1803	1812		SF	S25W04	3800
25 Aug	1859	1903	1910		SF	S25W04	3800
25 Aug	1924	1924	1926		SF	S26W03	3800
25 Aug	1946	1947	1951		SF	N08E27	3801
25 Aug	2128	2135	2140	C3.3	SF	N19W74	3794
25 Aug	2221	2221	2225		SF	S10W59	3790



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 3782																							
07 Aug	N02E64	137	100	16	Fao	3	B																
08 Aug	N03E57	133	260	14	Eki	12	BG																
09 Aug	N03E42	134	220	11	Eai	11	BG																
10 Aug	N03E28	135	190	15	Eai	14	B	1	1			5											
11 Aug	N02E16	134	100	10	Cao	10	B					2											
12 Aug	N03E02	135	80	9	Cao	12	B					1											
13 Aug	N04W14	137	40	5	Cao	6	B																
14 Aug	N03W27	137	30	7	Cao	4	B																
15 Aug	N03W44	140	20	2	Hax	2	A																
16 Aug	N04W57	141	10	1	Axx	1	A																
17 Aug	N04W67	138	plage																				
18 Aug	N04W82	139	plage																				
								1	1	0	8	0	0	0	0	0	0	0	0	0	0	0	

Crossed West Limb.
Absolute heliographic longitude: 135

Region 3784																							
08 Aug	N16E73	116	300	4	Hhx	1	A																
09 Aug	N15E61	115	450	4	Cko	5	B					1											
10 Aug	N15E48	115	460	4	Cki	6	BD					1											
11 Aug	N15E35	115	460	4	Dki	5	BGD					1											
12 Aug	N15E21	116	510	9	Dkc	25	BD	3	1			17											
13 Aug	N15E07	116	540	8	Dkc	23	BGD	7	2			15	2										
14 Aug	N14W05	115	700	9	Dkc	30	BGD	1	1	1		21			1								
15 Aug	N15W19	116	680	11	Ekc	23	BGD	4				11			1								
16 Aug	N15W34	118	600	11	Ekc	17	BGD					5											
17 Aug	N15W47	118	680	8	Dkc	16	BGD		1					1									
18 Aug	N16W60	117	650	10	Dkc	14	BGD	2	3			6											
19 Aug	N16W72	116	650	10	Dkc	14	BGD	1															
20 Aug	N16W84	115	310	6	Dkc	5	BG	2															
								20	8	1	78	3	2	0	0	0	0	0	0	0	0	0	

Crossed West Limb.
Absolute heliographic longitude: 115



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 3785																		
11 Aug	S11E49	101	30	5	Cao	5	B											
12 Aug	S12E34	103	10	4	Bxo	6	B											
13 Aug	S12E20	103	20	4	Bxi	8	B											
14 Aug	S11E07	103	20	6	Bxi	12	B						1					
15 Aug	S12W06	103	10	11	Bxo	10	B						2					
16 Aug	S12W19	103	30	8	Cao	10	B						1					
17 Aug	S13W34	105	90	11	Eai	17	B		1				1					
18 Aug	S15W50	107	100	10	Dai	13	B						1					
19 Aug	S14W63	107	80	9	Cai	10	B	1	1				4					
20 Aug	S13W75	106	80	5	Cao	6	B		1				1					
21 Aug	S12W89	107	10	3	Bxo	2	B											
								1	3	0	11	0	0	0	0	0		

Crossed West Limb.
 Absolute heliographic longitude: 103

Region 3788																		
11 Aug	S06E64	86	140	3	Cao	7	B											
12 Aug	S07E50	86	150	5	Dao	12	B						2					
13 Aug	S08E36	87	160	8	Dao	11	B											
14 Aug	S08E21	89	130	8	Dso	7	B											
15 Aug	S07E09	89	100	9	Cso	4	BG											
16 Aug	S08W04	88	120	7	Cso	3	B											
17 Aug	S08W18	89	130	6	Cso	3	B											
18 Aug	S08W32	89	100	2	Hsx	1	A											
19 Aug	S08W48	92	90	2	Hsx	1	A											
20 Aug	S08W62	93	90	2	Hsx	1	A											
21 Aug	S08W75	93	40	2	Hsx	1	A											
22 Aug	S08W86	90	50	2	Hsx	1	A											
								0	0	0	2	0	0	0	0	0		

Crossed West Limb.
 Absolute heliographic longitude: 88



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 3789																		
14 Aug	N25E26	84	10	4	Bxo	3	B											
15 Aug	N26E12	85	plage															
16 Aug	N26W01	85	20	5	Cao	7	B					1						
17 Aug	N27W15	86	50	7	Dai	12	B											
18 Aug	N27W27	84	50	6	Cai	7	B											
19 Aug	N27W41	85	40	6	Cai	10	B											
20 Aug	N26W51	82	120	5	Cai	9	B					1						
21 Aug	N27W68	86	60	5	Cao	4	B	1										
22 Aug	N25W78	83	plage					1				1						
								2	0	0		3	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 85

Region 3790																		
15 Aug	S14E72	25	40	4	Cso	5	B											
16 Aug	S13E59	25	70	8	Dsi	6	B	5				4	1					
17 Aug	S13E46	25	120	9	Dsi	12	BG	1	2			9	1					
18 Aug	S12E33	24	280	10	Dkc	13	BG	2				3						
19 Aug	S12E19	25	400	10	Dkc	20	BG	2				3						
20 Aug	S13E04	27	400	10	Dkc	25	BG	1				7						
21 Aug	S11W08	26	500	10	Dkc	18	BG					2						
22 Aug	S12W21	25	470	10	Dkc	20	BG											
23 Aug	S11W35	26	370	10	Dkc	17	BG	1				2						
24 Aug	S11W48	26	430	9	Dkc	13	BG	2				2	1					
25 Aug	S11W60	25	370	9	Dkc	10	BG					1						
								14	2	0		33	3	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 27



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 3793																		
17 Aug	N22E47		24	40	3	Dso	4	B										
18 Aug	N22E34		23	80	5	Dao	6	B	1									
19 Aug	N22E20		24	180	5	Dao	8	B	1									
20 Aug	N22E09		22	50	5	Dao	8	B				2						
21 Aug	N22W07		24	10	3	Bxo	2	B				1						
22 Aug	N22W18		22	10	2	Bxo	3	B										
23 Aug	N22W32		23	10	2	Axx	3	A										
24 Aug	N23W46		23	10	1	Axx	1	A										
25 Aug	N22W58		23	10	2	Bxo	4	B										
									2	0	0	3	0	0	0	0	0	

Still on Disk.

Absolute heliographic longitude: 24

Region 3794																		
17 Aug	N19E33		38	10	1	Hax	1	A										
18 Aug	N18E17		40	60	6	Cao	8	B										
19 Aug	N18E03		41	180	8	Dao	16	B	2									
20 Aug	N17W09		40	240	8	Dai	15	B										
21 Aug	N18W25		43	180	9	Dai	5	B				1						
22 Aug	N18W36		40	150	9	Dao	10	B										
23 Aug	N19W49		40	170	8	Cao	9	B	1									
24 Aug	N18W65		43	130	6	Cao	5	B				1						
25 Aug	N18W78		43	110	4	Cao	3	B	3			1						
									6	0	0	3	0	0	0	0	0	

Still on Disk.

Absolute heliographic longitude: 41

Region 3795																		
18 Aug	N04E69		348	10	1	Axx	1	A										
19 Aug	N02E55		348	plage														
20 Aug	N02E40		351	plage														
21 Aug	N02E25		353	plage														
22 Aug	N02E10		354	plage														
23 Aug	N02W05		356	plage														
24 Aug	N16W15		354	plage														
25 Aug	N02W24		349	plage														
									0	0	0	0	0	0	0	0	0	

Still on Disk.

Absolute heliographic longitude: 356



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	4								
Region 3796																							
18 Aug	S05E72	345	50	4	Cao	6	B		2		1												
19 Aug	S03E55	349	180	8	Dac	14	BG	1	1			1											
20 Aug	S04E41	350	240	6	Dac	14	BG		1		5												
21 Aug	S03E26	352	350	8	Dkc	16	BG		2		4		1										
22 Aug	S02E12	352	340	10	Dki	24	BG	6	1		6	1											
23 Aug	S03W03	353	380	10	Dki	28	BG					1											
24 Aug	S04W14	352	280	10	Dki	18	BG	3	3		5		1										
25 Aug	S04W26	351	200	9	Dso	12	BG				1												
								10	10	0	22	3	2	0	0								

Still on Disk.

Absolute heliographic longitude: 353

Region 3797

19 Aug	S05W26	70	40	4	Dai	8	B	1			1										
20 Aug	S04W41	72	30	5	Dao	4	B														
21 Aug	S04W55	73	10	4	Bxo	2	B														
22 Aug	S05W66	70	plage																		
23 Aug	S05W81	72	plage																		
								1	0	0	1	0	0	0	0	0					

Crossed West Limb.

Absolute heliographic longitude: 70

Region 3798

19 Aug	N06E74	330	50	4	Hsx	1	A														
20 Aug	N06E59	332	50	4	Hsx	1	A														
21 Aug	N06E48	330	60	2	Hsx	1	A														
22 Aug	N06E34	330	50	1	Hsx	1	A														
23 Aug	N06E21	330	40	1	Hsx	1	A														
24 Aug	N06E08	330	30	1	Hsx	1	A														
25 Aug	N06W04	329	40	1	Hsx	1	A														
								0	0	0	0	0	0	0	0	0					

Still on Disk.

Absolute heliographic longitude: 329



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 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																
								6	0	0		8	0	0	0	0	0						

Still on Disk.
Absolute heliographic longitude: 315

Region 3800																							
22 Aug	S27E31	333	30	4	Cao	3	B					1											
23 Aug	S28E17	334	80	8	Cao	11	BG	2	5			8	1										
24 Aug	S28E05	333	80	13	Eai	16	BG	4	2			12	2										
25 Aug	S27W06	331	160	13	Eai	24	BG	10				8											
								16	7	0		29	3	0	0	0	0						

Still on Disk.
Absolute heliographic longitude: 333

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											
								9	3	0		12	2	0	0	0	0						

Still on Disk.
Absolute heliographic longitude: 298

Region 3802																							
25 Aug	N13W34	359	10	4	Bxo	3	B																
								0	0	0		0	0	0	0	0	0						

Still on Disk.
Absolute heliographic longitude: 359



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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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