

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)		>2MeV	Electron Fluence (electrons/cm ² -day -sr)	
	>1 MeV	>10 MeV		>2MeV	
19 August	5.2e+04	1.7e+04			8.2e+05
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

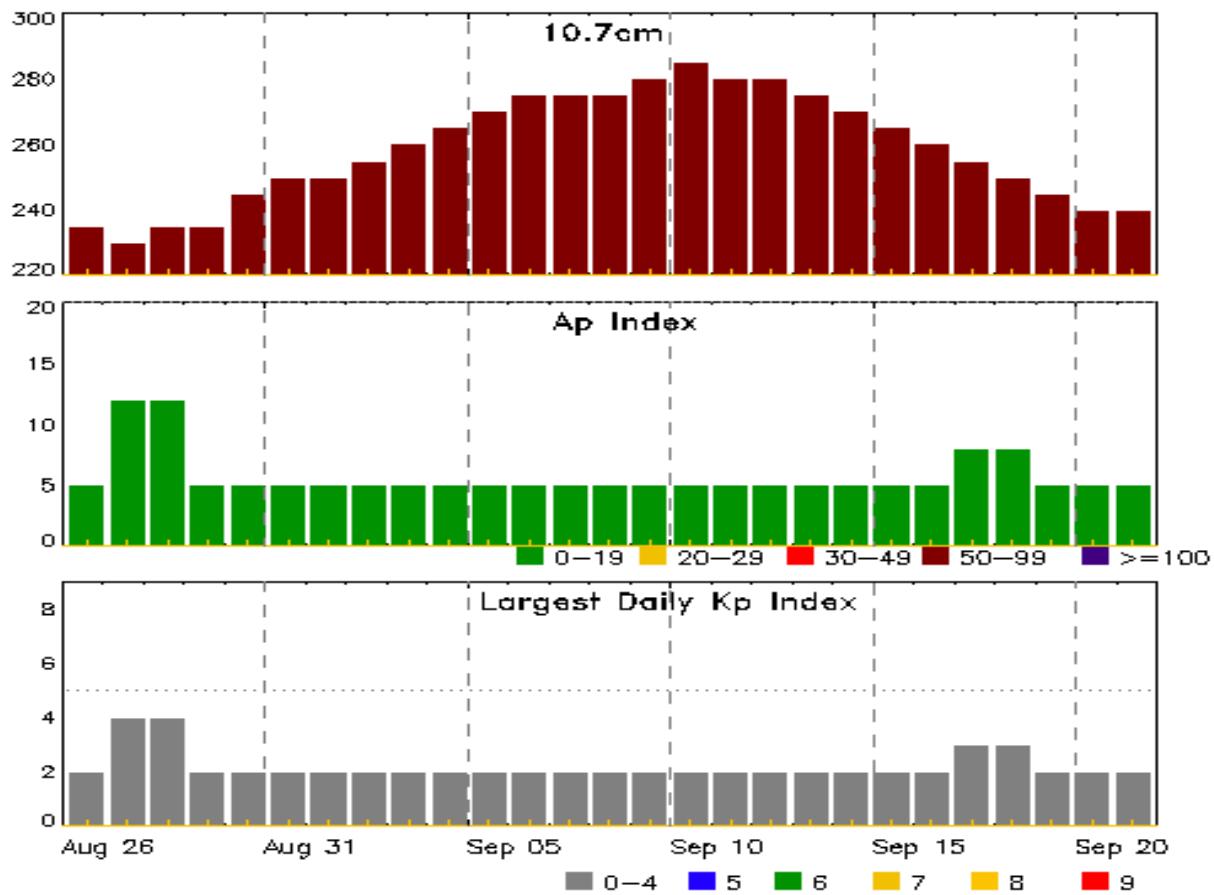
Date	Middle Latitude		High Latitude		Estimated	
	A	K-indices	A	K-indices	A	Planetary K-indices
19 August	11	1-1-1-3-4-2-3-3	11	1-2-0-1-5-3-2-2	10	1-2-1-2-3-2-3-3
20 August	9	1-2-2-2-4-2-2-2	15	1-3-3-4-4-3-2-2	7	1-2-2-2-2-2-2-2
21 August	8	3-1-2-2-3-2-2-1	13	2-2-3-4-4-3-1-1	8	3-2-2-2-2-2-2-1
22 August	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 Max	Class	Integ Flux	Imp/ Brtns	Location Lat	CMD #	Radio Flux 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			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat	CMD # 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			Optical			
	Begin	Max	End	X-ray Class	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			Optical			
	Begin	Max	End	X-ray Class	Imp/Brtns	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	Lat	CMD	Location		Sunspot Characteristics					Flares						
			Helio	Lon	Area 10^{-6}	Extent hemi.	Spot Class	Spot Count	Mag Class	X-ray			Optical			
										C	M	X	S	1	2	3
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

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	

Crossed West Limb.

Absolute heliographic longitude: 115

Region Summary - continued

Date	Lat	CMD	Location		Sunspot Characteristics					Flares						
			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 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							0
										1	3	0	11	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 103

Region 3788

Date	Lat	CMD	Location		Sunspot Characteristics					Flares						
			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 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	0

Crossed West Limb.

Absolute heliographic longitude: 88



Region Summary - continued

Date	Lat	CMD	Location		Sunspot Characteristics					Flares						
			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 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

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

Still on Disk.

Absolute heliographic longitude: 27

Region Summary - continued

Date	Lat	CMD	Sunspot Characteristics					Flares							
			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 3791															
16 Aug	S20E47		37	20	3	Cao	4	B							
17 Aug	S18E34		37	10	2	Bxo	3	B							
18 Aug	S18E21		36	plage											
19 Aug	S18E06		38	plage											
20 Aug	S18W08		39	plage											
21 Aug	S18W22		40	plage											
22 Aug	S18W36		40	plage											
23 Aug	S18W50		41	plage											
24 Aug	S18W64		42	plage											
25 Aug	S18W78		43	plage											
									0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 38

Region 3792

16 Aug	S17E75	9	70	2	Hsx	1	A								
17 Aug	S16E60	11	220	5	Hsx	1	A								1
18 Aug	S16E47	10	260	4	Hhx	1	A								1
19 Aug	S17E33	11	350	5	Cho	1	B	1							1
20 Aug	S17E20	11	400	5	Cko	2	B								
21 Aug	S18E07	11	400	5	Cko	1	B								
22 Aug	S17W06	10	400	5	Cko	4	B								
23 Aug	S18W21	12	260	4	Cko	4	B								
24 Aug	S17W32	10	310	3	Cko	4	B								
25 Aug	S17W45	10	310	3	Hhx	2	A	1							
									2	0	0	3	0	0	0

Still on Disk.

Absolute heliographic longitude: 10



Region Summary - continued

Date	Lat	CMD	Location		Sunspot Characteristics					Flares							
			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 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

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

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

Still on Disk.

Absolute heliographic longitude: 356



Region Summary - continued

Date	Lat	CMD	Location		Sunspot Characteristics					Flares							
			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 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

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

Still on Disk.

Absolute heliographic longitude: 329



Region Summary - continued

Date	Lat	CMD	Location		Sunspot Characteristics					Flares							
			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								
										6	0	0	8	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
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Still on Disk.

Absolute heliographic longitude: 359

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