

Solar activity reached high levels on 07 Aug with three M-class flares (R1/Minor) observed in addition to an X1.5 flare (R3/Strong) at 07/2046 UTC from Region 3386 (N11, L=096, class/area=Dki/250 on 06 Aug); the largest event of the period. Moderate activity levels were observed on 08 Aug with an M3.6/Sf flare observed from Region 3387 (N20, L=069, class/area=Dsi/140 on 06 Aug). Low levels of activity were observed throughout the remainder of the week, with the bulk of C-class activity originating from Regions 3394 (S22, L=342, class/area=Dho/270 on 09 Aug) and 3395 (N13, L=331, class/area=Dai/180 on 12 Aug) over 09-13 Aug.

The greater than 10 MeV proton flux exceeded 10 pfu (S1/Minor) following west limb flare activity on 07 Aug. The S1 event began at 08/0115 UTC, reached a peak of 47 pfu at 09/0025 UTC, and ended at 10/0950 UTC. The greater than 10 MeV proton flux slowly decayed following the end of S1 levels and returned to background levels on 13 Aug.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels on 09-13 Aug, with normal to moderate levels observed on 07-08 Aug.

Geomagnetic field activity reached active levels late 07 Aug and early 08 Aug due to an enhanced solar wind environment associated with the arrival of a CME from 04 Aug. Quiet and unsettled levels were observed on 09 Aug due to residual CME effects, and again on 10 and 12 Aug due to negative polarity CH HSS influences. Quiet levels were observed on 11 and 13 Aug under nominal solar wind conditions.

### **Space Weather Outlook** **14 August - 09 September 2023**

Solar activity is likely to reach moderate to high levels over 17 Aug-03 Sep due to the expected return of multiple regions which produced event-level flares on their previous rotations. Low levels of solar activity are expected to prevail throughout the remainder of the period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels on 17-22, 27-28 Aug, and 07-09 Sep. Normal to moderate levels are expected throughout the remainder of the period.

Geomagnetic field activity is expected to be reach active levels on 16-18, and 26 Aug due to recurrent CH HSS influences. Quiet and quiet to unsettled levels are expected to prevail throughout the remainder of the period.



### *Daily Solar Data*

Date	Radio Flux 10.7cm	Sun spot No.	Sunspot Area (10 <sup>-6</sup> hemi.)	X-ray Background Flux	Flares							
					X-ray			Optical				
					C	M	X	S	1	2	3	4
07 August	170	101	430	C1.4	6	3	1	7	1	1	0	0
08 August	159	115	315	C1.0	5	1	0	6	1	0	0	0
09 August	153	103	540	B9.1	3	0	0	5	0	0	0	0
10 August	156	83	460	B9.6	9	0	0	7	1	0	0	0
11 August	153	105	420	C1.2	12	0	0	6	0	0	0	0
12 August	148	61	460	B9.3	12	0	0	14	2	0	0	0
13 August	150	89	460	B7.9	3	0	0	4	0	0	0	0

### *Daily Particle Data*

Date	Proton Fluence (protons/cm <sup>2</sup> -day -sr)		Electron Fluence (electrons/cm <sup>2</sup> -day -sr)
	>1 MeV	>10 MeV	>2MeV
	07 August	2.0e+07	2.0e+05
08 August	2.1e+07	2.5e+06	2.2e+07
09 August	2.1e+07	2.0e+06	4.6e+07
10 August	1.3e+07	7.4e+05	3.5e+07
11 August	9.9e+05	7.7e+04	4.8e+07
12 August	3.6e+05	3.5e+04	4.2e+07
13 August	1.7e+05	2.4e+04	5.9e+07

### *Daily Geomagnetic Data*

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	07 August	11	3-2-1-2-3-1-2-4	16	3-3-1-0-5-2-3-4	12
08 August	7	3-1-1-2-2-2-1-2	11	5-2-1-2-2-2-1-1	8	4-2-1-2-1-2-2-1
09 August	8	2-1-2-1-3-1-2-3	10	1-1-2-3-4-3-1-1	7	2-1-2-1-2-2-2-3
10 August	8	2-2-2-2-3-2-2-2	12	1-2-2-4-3-4-2-1	7	2-2-2-2-2-3-2-2
11 August	6	2-1-1-2-3-1-1-1	4	2-1-1-0-1-2-1-1	5	2-1-1-1-1-1-1-1
12 August	10	2-3-2-2-4-2-2-1	5	2-2-3-0-1-1-1-1	8	2-3-2-1-2-1-2-2
13 August	7	2-2-1-2-3-1-2-2	3	2-1-1-1-0-1-0-1	7	2-2-1-1-1-1-1-2

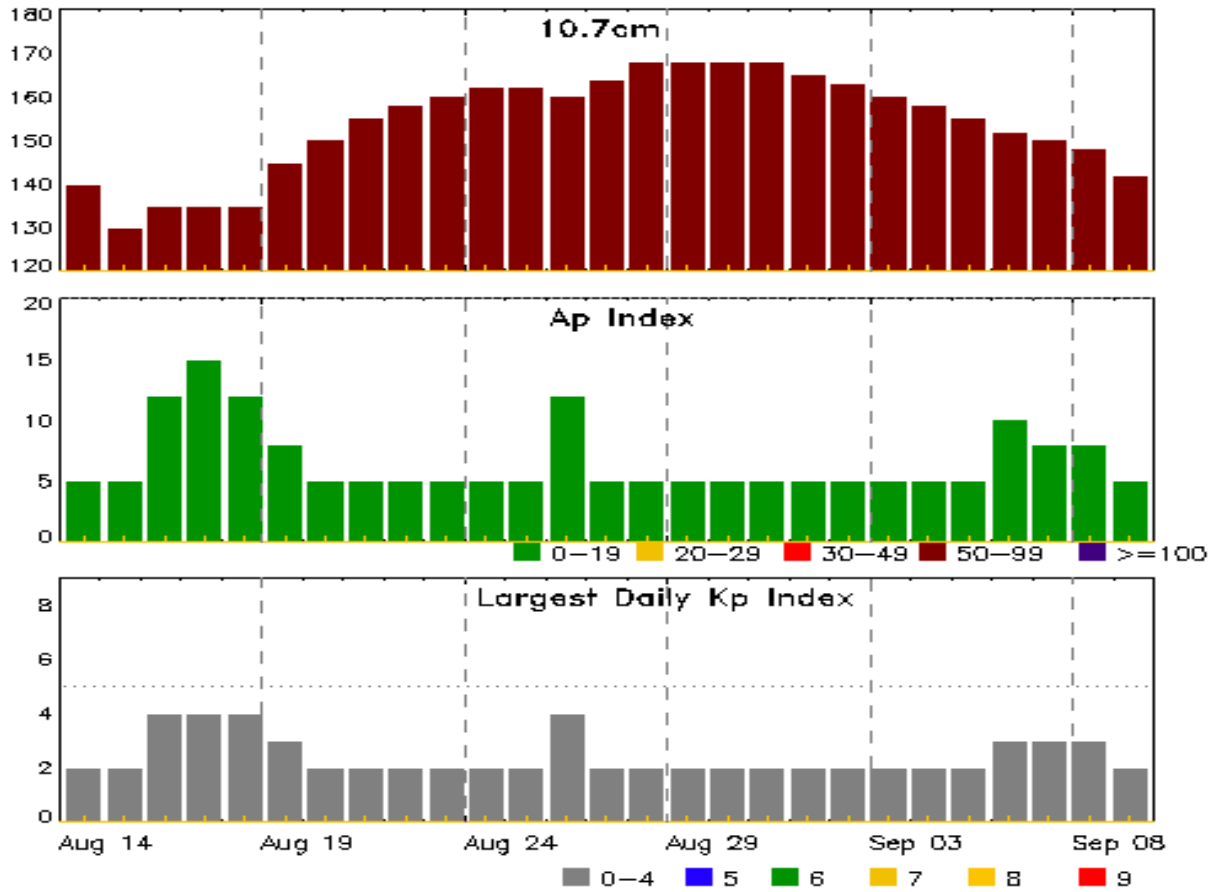


### *Alerts and Warnings Issued*

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
07 Aug 1245	WARNING: Geomagnetic K = 4	07/1245 - 1800
07 Aug 1607	WATCH: Geomagnetic Storm Category G2 predicted	
07 Aug 2022	WARNING: Geomagnetic K = 4	07/2020 - 08/0300
07 Aug 2044	ALERT: X-ray Flux exceeded M5	07/2039
07 Aug 2052	ALERT: Type II Radio Emission	07/2038
07 Aug 2130	SUMMARY: X-ray Event exceeded X1	07/2030 - 2118
07 Aug 2255	ALERT: Geomagnetic K = 4	07/2254
07 Aug 2354	WARNING: Proton 10MeV Integral Flux > 10pfu	08/0000 - 2359
08 Aug 0133	ALERT: Proton Event 10MeV Integral Flux >= 10pfu	08/0115
08 Aug 0255	EXTENDED WARNING: Geomagnetic K = 4	07/2020 - 08/1500
08 Aug 2355	EXTENDED WARNING: Proton 10MeV Integral Flux > 10pfu	08/0000 - 09/2359
09 Aug 1544	ALERT: Electron 2MeV Integral Flux >= 1000pfu	09/1530
09 Aug 2132	ALERT: Type II Radio Emission	09/2115
09 Aug 2335	EXTENDED WARNING: Proton 10MeV Integral Flux > 10pfu	08/0000 - 10/1500
10 Aug 0312	ALERT: Type II Radio Emission	10/0245
10 Aug 1431	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	09/1530
10 Aug 1854	SUMMARY: Proton Event 10MeV Integral Flux >= 10pfu	08/0115 - 10/0955
11 Aug 1323	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	09/1530
12 Aug 1536	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	09/1530
13 Aug 1302	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	09/1530



## 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
14 Aug	140	5	2	28 Aug	168	5	2
15	130	5	2	29	168	5	2
16	135	12	4	30	168	5	2
17	135	15	4	31	168	5	2
18	135	12	4	01 Sep	165	5	2
19	145	8	3	02	163	5	2
20	150	5	2	03	160	5	2
21	155	5	2	04	158	5	2
22	158	5	2	05	155	5	2
23	160	5	2	06	152	10	3
24	162	5	2	07	150	8	3
25	162	5	2	08	148	8	3
26	160	12	4	09	142	5	2
27	164	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	Rgn #	Radio Flux 245	Radio Flux 2695	Intensity II	Intensity IV
07 Aug	0429	0441	0451	M2.4	0.019				3386			
07 Aug	1530	1627	1636	M1.0	0.032	SF	N18W72		3387			
07 Aug	1937	1951	1958	M1.4	0.011	2N	N19W73		3387			
07 Aug	2030	2046	2118	X1.5	0.280				3386	1600		2
08 Aug	0920	0931	0941	M3.6	0.025	SF	S21E09		3387			

### *Flare List*

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
07 Aug	0411	0413	0415		SF	N11W85	3386
07 Aug	0429	0441	0451	M2.4			3386
07 Aug	0712	0721	0739	C2.9			3386
07 Aug	0814	0823	0833	C2.3			3386
07 Aug	0953	1000	1014		SF	N19W67	3387
07 Aug	1023	1023	1030		SF	N18W67	3387
07 Aug	1126	1128	1130		SF	N18W67	3387
07 Aug	1159	1200	1203		SF	N20W69	3387
07 Aug	1204	1215	1221		SF	N20W69	3387
07 Aug	1329	1342	1401	C4.4			
07 Aug	1401	1409	1413	C3.8			
07 Aug	1433	1438	1446	C4.4	1N	N21W71	3387
07 Aug	1530	1627	1636	M1.0	SF	N18W72	3387
07 Aug	1937	1951	1958	M1.4	2N	N19W73	3387
07 Aug	2030	2046	2118	X1.5			3386
07 Aug	2350	2359	0005	C8.2			3387
08 Aug	0052	0057	0102	C4.9			3387
08 Aug	0133	0136	0142	C3.9			3387
08 Aug	0545	U0547	0554		SF	N19W52	3393
08 Aug	0644	0650	0654		SF	N18W72	3387
08 Aug	0716	0726	0731		SF	N18W72	3387
08 Aug	0857	0859	0904		SF	N18W78	3387
08 Aug	0909	0928	0951		1N	N18W78	3387
08 Aug	0916	0916	0924	M3.6	SF	S21E09	3387
08 Aug	1218	1220	1224		SF	N18W78	3387
08 Aug	1645	1649	1654	C1.5			3387



## *Flare List*

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
08 Aug	1749	1810	1839	C8.7			3394
08 Aug	2239	2252	2314	C4.1			
09 Aug	0345	0350	0355		SF	S20W64	3398
09 Aug	0651	0701	0705	C5.1			3387
09 Aug	0929	0934	0939	C1.4			3394
09 Aug	1535	1536	1543		SF	S19W05	3394
09 Aug	1551	1602	1620	C1.4	SF	S21W05	3394
09 Aug	1833	1837	1847		SF	S17E50	3399
09 Aug	2058	2103	2109		SF	N18E28	3397
10 Aug	0014	0032	0051	C4.0	SF	S23W12	3394
10 Aug	0226	0242	0259	C5.4	SF	S21W78	3398
10 Aug	1221	1229	1236		SF	S23W82	3398
10 Aug	1402	1402	1419		SF	N15W12	3395
10 Aug	1535	1555	1607	C2.7	SF	N14W14	3395
10 Aug	1925	1931	2019	C2.5	SF	S22W22	3394
10 Aug	2009	2016	2027	C3.2			3398
10 Aug	2027	2035	2048	C3.3			3394
10 Aug	2209	2221	2233	C7.6	SF	S21W84	3398
10 Aug	2243	2250	2256	C6.6	1N	N13W18	3395
10 Aug	2256	2307	2313	C5.9			3395
11 Aug	0205	0213	0218	C2.9			3394
11 Aug	0250	0255	0301	C2.4	SF	N15W18	3395
11 Aug	0412	0425	0431	C2.5			3398
11 Aug	0443	0455	0512	C5.0			3398
11 Aug	0641	0645	0710	C8.2	SF	N15W18	3395
11 Aug	1107	1119	1131	C4.7			3395
11 Aug	1131	1135	1139	C3.7			3395
11 Aug	1224	1236	1318	C3.4	SF	N11W27	3395
11 Aug	1338	1354	1413		SF	N11W27	3395
11 Aug	1414	1419	1447		SF	N11W27	3395
11 Aug	1900	1907	1916	C3.7			3395
11 Aug	2245	2255	2301	C2.7			3395
11 Aug	2301	2308	2313	C2.9			3395
11 Aug	2332	2355	0010	C4.9	SF	N16W29	3395
12 Aug	0115	0123	0131	C2.6			
12 Aug	0723	0725	0728		SF	N17W10	3397
12 Aug	0734	0739	0743	C1.9			
12 Aug	0802	0803	0808		SF	S16W07	3400



## *Flare List*

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/Brtns	Location Lat CMD	Rgn #
12 Aug	0808	0810	0813		SF	N11W35	3395
12 Aug	0823	0849	0859		SF	N11W36	3395
12 Aug	0829	0831	0834		SF	N17W11	3397
12 Aug	0840	0843	0849	C1.6			3395
12 Aug	0842	0851	0854		SF	N13W35	3395
12 Aug	0904	0915	0925	C8.8	1N	N14W36	3395
12 Aug	1024	1048	1143	C6.6	SN	N10W37	3395
12 Aug	1127	1141	1210		SF	N17W10	3397
12 Aug	1218	1221	1225		SF	N17W11	3397
12 Aug	1250	1250	1416	C1.7	SF	N17W13	3397
12 Aug	1324	1329	1333	C1.4	SF	N11W39	3395
12 Aug	1417	1422	1426	C3.1	SF	N11W39	3395
12 Aug	1555	1605	1612	C1.4	SF	N11W40	3395
12 Aug	1749	1857	2015	C4.9	1F	N20W15	3397
12 Aug	2011	2022	2046	C2.2			3395
12 Aug	2344	2352	2359	C5.2	SF	N13W47	3395
13 Aug	0424	0432	0438	C1.3			3394
13 Aug	0515	0515	0518		SF	N16W19	3397
13 Aug	0539	0539	0544		SF	N14W47	3395
13 Aug	0944	0953	1015	C2.4	SF	N12W49	3395
13 Aug	1023	1023	1031		SF	N12W49	3395
13 Aug	1035	1041	1047	C1.2			3403



## Region Summary

Date	Location		Sunspot Characteristics				Flares											
	Lat CMD	Lon	Helio 10 <sup>-6</sup> hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical							
								C	M	X	S	1	2	3	4			
<b>Region 3386</b>																		
26 Jul	N11E60		92	110	4	Dao	7	B					2					
27 Jul	N12E47		92	180	7	Dsi	11	B					4					
28 Jul	N12E34		92	360	8	Dki	18	B	1				4					
29 Jul	N12E20		93	300	9	Dki	12	B	1				4					
30 Jul	N12E07		92	320	10	Dki	12	B					7					
31 Jul	N10W04		90	310	13	Eki	24	B	2				3	1				
01 Aug	N14W18		92	150	11	Eai	16	B					1					
02 Aug	N12W33		92	160	11	Eso	6	B					1	2				
03 Aug	N12W45		91	180	8	Dso	6	B										
04 Aug	N11W62		95	250	5	Dhi	5	B		1			4	1				
05 Aug	N11W76		96	250	4	Dki	5	BD	1	1	1		2	1				
06 Aug	N11W90		96	250	5	Dki	3	BD		1			3					
									5	3	1		35	5	0	0	0	

Crossed West Limb.  
Absolute heliographic longitude: 90

<b>Region 3387</b>																		
27 Jul	N20E66		73	60	3	Hax	2	A	2				1					
28 Jul	N20E54		72	120	3	Cao	4	B	1				1					
29 Jul	N20E42		71	120	3	Cao	5	B					1					
30 Jul	N21E29		70	120	3	Cso	5	B					1					
31 Jul	N23E16		69	110	8	Cso	9	B					1					
01 Aug	N22E03		69	50	3	Cso	6	B										
02 Aug	N20W10		69	60	6	Cso	4	B										
03 Aug	N22W21		67	50	5	Cso	5	B										
04 Aug	N22W35		68	50	5	Cso	3	B	1				1	1				
05 Aug	N22W49		69	80	3	Dso	4	B	6				11	1				
06 Aug	N20W62		69	140	6	Dsi	8	B	2				9	1				
07 Aug	N18W73		66	80	6	Dsi	3	B	2	2			6	1	1			
08 Aug	N18W89		69	90	6	Dso	4	B	3	1			5	1				
									17	3	0		37	5	1	0	0	

Crossed West Limb.  
Absolute heliographic longitude: 69





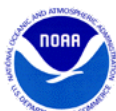
### *Region Summary - continued*

Date	Location		Sunspot Characteristics				Flares																
	Lat CMD	Lon	Helio 10 <sup>6</sup> hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
<b>Region 3388</b>																							
27 Jul	S23E62		77	30	4	Cso	3	B		1			1										
28 Jul	S23E49		77	60	8	Cso	3	B															
29 Jul	S23E36		77	60	8	Cso	5	B															
30 Jul	S23E21		78	30	3	Hsx	2	A															
31 Jul	S23E07		79	40	2	Hsx	2	A															
01 Aug	S23W06		78	10	2	Cro	1	B															
02 Aug	S24W18		77	10	1	Axx	1	A															
03 Aug	S23W30		76	10	1	Axx	1	A															
04 Aug	S23W44		77	10	2	Axx	2	A															
05 Aug	S23W58		78	10	1	Axx	1	A															
06 Aug	S23W71		78	10	1	Axx	1	A															
07 Aug	S23W85		79	plage																			
										0	1	0	1	0	0	0	0	0					

Crossed West Limb.  
Absolute heliographic longitude: 78

<b>Region 3389</b>																							
27 Jul	S09E72		67	20	2	Hsx	1	A															
28 Jul	S09E60		66	40	2	Hsx	1	A															
29 Jul	S09E47		66	40	2	Hsx	1	A	1				5										
30 Jul	S11E35		64	40	4	Hsx	3	A															
31 Jul	S09E22		64	30	2	Hsx	2	A															
01 Aug	S08E07		65	20	3	Hsx	2	A															
02 Aug	S09W05		63	20	4	Hsx	6	A															
03 Aug	S09W19		65	plage																			
04 Aug	S09W33		66	plage																			
05 Aug	S09W47		67	plage																			
06 Aug	S09W61		68	plage																			
07 Aug	S16W61		65	plage																			
08 Aug	S16W74		54	0		Axx	1	A															
09 Aug	S16W88		55	plage																			
										1	0	0	5	0	0	0	0	0					

Crossed West Limb.  
Absolute heliographic longitude: 63



**Region Summary - continued**

Date	Location		Sunspot Characteristics					Flares															
	Lat	CMD	Helio Lon	Area 10 <sup>6</sup> hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
<b>Region 3390</b>																							
28 Jul	S18E70		56	20	2	Hrx	1	A	3				2										
29 Jul	S19E58		55	30	3	Cro	3	B	1				3										
30 Jul	S19E46		53	20	4	Cro	3	B		2			3	1									
31 Jul	S20E34		52	20	3	Dso	2	B	2	1			3		1								
01 Aug	S18E19		53	20	4	Dso	2	B					3										
02 Aug	S20E06		52	10	3	Bxo	2	B					2										
03 Aug	S20W08		54	plage																			
04 Aug	S20W22		55	plage																			
05 Aug	S20W36		56	plage																			
06 Aug	S20W50		57	plage																			
07 Aug	S20W64		58	plage																			
08 Aug	S20W78		58	plage																			
									6	3	0	16	1	1	0	0							

Crossed West Limb.  
Absolute heliographic longitude: 52

<b>Region 3391</b>																							
29 Jul	N25E75		38	30	1	Hsx	1	A															
30 Jul	N25E63		36	50	2	Hsx	1	A															
31 Jul	N23E49		37	130	4	Hsx	2	A															
01 Aug	N25E37		35	50	3	Hsx	1	A															
02 Aug	N23E25		33	80	3	Cso	2	B															
03 Aug	N23E13		33	90	2	Hsx	1	A															
04 Aug	N24E01		32	90	2	Hsx	2	A															
05 Aug	N23W14		34	80	2	Hsx	1	A															
06 Aug	N23W27		34	80	2	Hsx	1	A															
07 Aug	N23W39		32	50	2	Hsx	1	A															
08 Aug	N23W54		34	40	3	Hax	1	A															
09 Aug	N23W68		35	70	1	Hsx	1	A															
10 Aug	N22W80		34	40	1	Hsx	1	A															
11 Aug	N22W90		31	30	1	Hsx	1	A															
									0	0	0	0	0	0	0	0	0	0	0	0	0		

Crossed West Limb.  
Absolute heliographic longitude: 32



### *Region Summary - continued*

Date	Location		Sunspot Characteristics				Flares											
	Lat	CMD	Helio Lon	Area 10 <sup>6</sup> hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical						
									C	M	X	S	1	2	3	4		
<b>Region 3392</b>																		
31 Jul	N09E50		36	40	3	Dai	3	B					3					
01 Aug	N09E36		37	40	3	Dao	3	B										
02 Aug	N09E23		35	120	10	Dao	13	B										
03 Aug	N10E10		36	160	11	Eso	7	B	1				2					
04 Aug	N10W05		38	200	8	Dao	8	BG					1					
05 Aug	N10W20		40	190	7	Cao	13	B					5					
06 Aug	N10W35		42	130	5	Cao	6	B										
07 Aug	N08W47		40	50	3	Cao	4	B										
08 Aug	N08W61		43	20	2	Cao	1	B										
09 Aug	N09W74		41	50	1	Hsx	1	A										
10 Aug	N09W90		44	30	2	Hsx	1	A										
									1	0	0	11	0	0	0	0	0	

Crossed West Limb.

Absolute heliographic longitude: 38

### **Region 3393**

31 Jul	N16E26		59	60	3	Hsx	3	A										
01 Aug	N18E12		60	10	4	Cso	3	B										
02 Aug	N16W03		61	10	1	Axx	1	A										
03 Aug	N16W16		62	10	1	Axx	1	A										
04 Aug	N17W30		63	10	1	Axx	1	A										
05 Aug	N17W44		64	plage														
06 Aug	N17W58		65	plage														
07 Aug	N17W72		66	plage														
08 Aug	N17W86		66	plage									1					
									0	0	0	1	0	0	0	0	0	

Crossed West Limb.

Absolute heliographic longitude: 61



**Region Summary - continued**

Date	Location		Sunspot Characteristics					Flares									
	Lat CMD	Helio Lon	Area 10 <sup>6</sup> hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical						
								C	M	X	S	1	2	3	4		
<b>Region 3394</b>																	
03 Aug	S22E61	345	130	3	Hsx	2	A	2									
04 Aug	S22E50	343	160	4	Cso	4	B	1				3					
05 Aug	S22E36	344	150	4	Hsx	2	A					1					
06 Aug	S22E23	344	160	7	Cso	4	B					1					
07 Aug	S23E11	341	140	5	Cso	3	B										
08 Aug	S23W03	344	90	4	Cso	3	B	1									
09 Aug	S22W15	342	270	7	Dho	11	BG	2				2					
10 Aug	S24W28	342	240	5	Cso	6	B	3				2					
11 Aug	S23W43	344	210	5	Cso	5	B	1									
12 Aug	S22W55	342	230	4	Cso	2	B										
13 Aug	S23W67	341	120	3	Hsx	1	A	1									
								11	0	0	9	0	0	0	0	0	

Still on Disk.  
 Absolute heliographic longitude: 344

<b>Region 3395</b>																	
03 Aug	N15E75	331	60	2	Hsx	1	A										
04 Aug	N13E67	326	80	7	Dso	2	B										
05 Aug	N13E52	328	120	6	Dso	4	B					1					
06 Aug	N14E39	327	90	7	Cso	4	B										
07 Aug	N14E25	328	50	5	Cao	3	B										
08 Aug	N14E11	330	30	9	Cao	6	B										
09 Aug	N13W03	330	110	8	Dsi	15	BG										
10 Aug	N13W18	332	130	7	Dsi	11	BG	3				2	1				
11 Aug	N13W31	332	130	8	Dsi	19	BG	9				6					
12 Aug	N13W44	331	180	6	Dai	10	BD	8				8	1				
13 Aug	N13W57	331	100	6	Dso	9	BD	1				3					
								21	0	0	20	2	0	0	0	0	

Still on Disk.  
 Absolute heliographic longitude: 330



### *Region Summary - continued*

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Lon	Helio 10 <sup>-6</sup> hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
<b>Region 3396</b>																							
07 Aug	N19E06	347	20	3	Bxo	2	B																
08 Aug	N19W08	348	5	1	Axx	4	A																
09 Aug	N19W22	349	plage																				
10 Aug	N19W36	350	plage																				
11 Aug	N19W50	351	plage																				
12 Aug	N19W64	351	plage																				
13 Aug	N19W78	352	plage																				
													0	0	0	0	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 347

<b>Region 3397</b>																							
07 Aug	N18E47	306	20	1	Hsx	1	A																
08 Aug	N18E33	307	20	1	Hsx	1	A																
09 Aug	N19E22	304	10	1	Axx	1	A					1											
10 Aug	N20E08	306	10		Axx	1	A																
11 Aug	N19W05	306	20	4	Cso	5	B																
12 Aug	N19W18	305	40	4	Cso	8	B	2				5	1										
13 Aug	N19W31	305	120	7	Dao	10	B					1											
													2	0	0	7	1	0	0	0			

Still on Disk.

Absolute heliographic longitude: 306

<b>Region 3398</b>																							
07 Aug	S20W50	42	20	4	Cso	4	B																
08 Aug	S23W56	39	20	4	Cao	4	B																
09 Aug	S21W71	38	10	2	Axx	2	A					1											
10 Aug	S21W85	39	plage									3	3										
													3	0	0	4	0	0	0	0			

Crossed West Limb.

Absolute heliographic longitude: 42



**Region Summary - continued**

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Lon	Helio 10 <sup>6</sup> hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
<b>Region 3399</b>																							
09 Aug	S15E37	289	20	1	Axx	2	A					1											
10 Aug	S15E24	290	10	3	Bxo	3	B																
11 Aug	S15E08	293	10	1	Axx	1	A																
12 Aug	S15W06	293	plage																				
13 Aug	S15W20	294	plage																				
												0	0	0	1	0	0	0	0	0			
Still on Disk. Absolute heliographic longitude: 293																							
<b>Region 3400</b>																							
11 Aug	S14W05	306	10	1	Axx	1	A																
12 Aug	S14W20	307	plage									1											
13 Aug	S14W34	308	plage																				
												0	0	0	1	0	0	0	0	0			
Still on Disk. Absolute heliographic longitude: 306																							
<b>Region 3401</b>																							
11 Aug	N25W44	345	10	3	Bxo	3	B																
12 Aug	N25W59	346	10	1	Axx	1	A																
13 Aug	N25W73	347	plage																				
												0	0	0	0	0	0	0	0	0			
Still on Disk. Absolute heliographic longitude: 345																							
<b>Region 3402</b>																							
13 Aug	S18W47	321	10	1	Axx	1	A																
												0	0	0	0	0	0	0	0	0			
Still on Disk. Absolute heliographic longitude: 321																							
<b>Region 3403</b>																							
13 Aug	N26E32	242	50	5	Cao	7	B	1															
								1	0	0	0	0	0	0	0	0	0	0	0				
Still on Disk. Absolute heliographic longitude: 242																							



***Region Summary - continued***

Date	Location		Sunspot Characteristics				Flares									
	Lat	CMD	Helio Lon	Area 10 <sup>-6</sup> hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical				
									C	M	X	S	1	2	3	4
<b><i>Region 3404</i></b>																
13 Aug	S08E74	200	60	2	Hax	1	A	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 200



## ***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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