

Solar activity was at very low to moderate levels. The summary period began at moderate levels due to an M1 x-ray event at 06/0438 UTC from Region 1542 (S14, L=030, class/area 190/Dai on 09 August). Associated with this event were both Type II (estimated shock speed of 552 km/s) and Type IV radio sweeps and a non-Earth-directed CME. Activity levels decreased to low from 07 - 10 August with only low-level C-class solar flares observed. On 11 August, an increase to moderate levels was observed as Region 1540 (S27, L=087, class/area 110/Dso on 05 August) produced a long duration M1/2n flare at 11/1220 UTC. The CME associated with this event was determined to not be Earth directed. A return to very low levels was observed on 12 August.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal levels during most of the period.

Geomagnetic field activity was at quiet to active levels. Predominantly quiet to unsettled levels prevailed from 06 - 09 August as solar winds speeds, as measured by the ACE spacecraft, varied from 275 - 450 km/s. An isolated active period was observed during 08/0000 - 0300 UTC in response to slightly elevated solar wind speeds and extended periods of negative IMF Bz. Field activity decreased to predominantly quiet levels during 10 - 12 August.

Space Weather Outlook **13 August - 08 September 2012**

Solar activity is expected to be at predominantly low levels from 13 - 21 August. An increase to low to moderate levels is expected from 22 August - 05 September as an active sunspot region complex returns to the visible disk. A return to low levels is expected from 06 - 08 September.

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 through 15 August. An increase to moderate to high flux levels is expected during 16 - 24 August. Normal to moderate flux levels are expected during 25 August - 08 September.

Geomagnetic field activity is expected to be at predominantly quiet levels during 15 - 18 August, 21 - 23 August, and 27 August - 08 September. Quiet to unsettled levels are expected during 13 - 14 August, 19 - 20 August, and 24 - 26 August due to recurrent coronal hole high-speed streams.



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
06 August	134	108	530	B6.1	9	1	0	2	0	0	0	0
07 August	129	96	750	B5.5	10	0	0	12	2	0	0	0
08 August	133	99	690	B5.6	7	0	0	12	0	0	0	0
09 August	131	124	890	B6.1	9	0	0	21	1	0	0	0
10 August	125	105	790	B3.6	4	0	0	9	0	0	0	0
11 August	120	98	570	B3.4	2	1	0	7	2	1	0	0
12 August	112	76	390	B2.9	0	0	0	5	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	>100 MeV	>0.6 MeV	>2MeV	>4 MeV
	06 August	2.8e+05	1.2e+04	2.5e+03		3.7e+06
07 August	1.9e+05	1.2e+04	2.6e+03		3.1e+06	
08 August	2.5e+05	1.2e+04	2.5e+03		2.9e+06	
09 August	3.5e+05	1.1e+04	2.7e+03		2.7e+06	
10 August	1.6e+05	1.1e+04	2.6e+03		5.2e+06	
11 August	1.5e+05	1.1e+04	2.5e+03		5.0e+06	
12 August	8.7e+04	1.1e+04	2.6e+03		1.4e+06	

Daily Geomagnetic Data

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

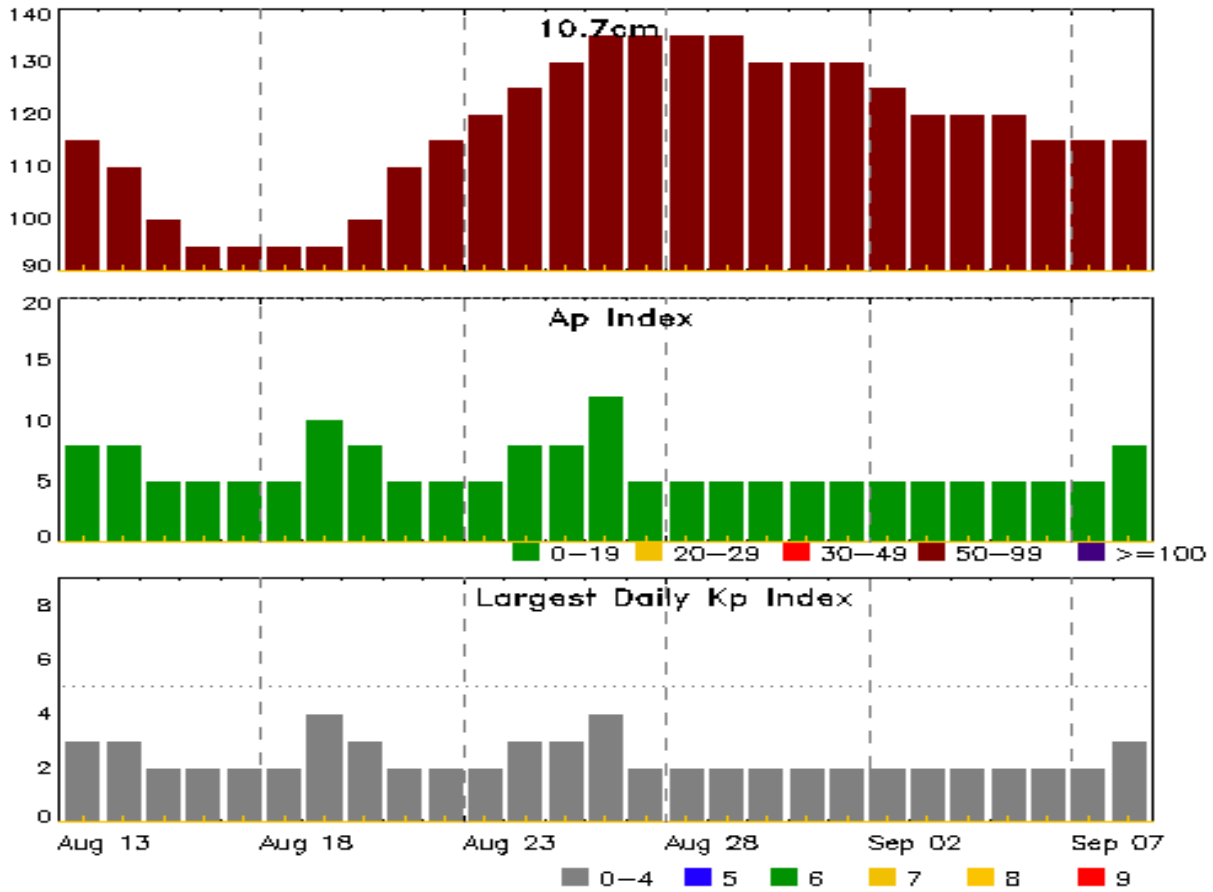


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
06 Aug 0519	ALERT: Type II Radio Emission	06/0439
06 Aug 0524	ALERT: Type IV Radio Emission	06/0438
06 Aug 0852	ALERT: Type II Radio Emission	06/0820
08 Aug 0046	WARNING: Geomagnetic K = 4	08/0046 - 0700
08 Aug 0118	ALERT: Geomagnetic K = 4	08/0113



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
13 Aug	115	8	3	27 Aug	135	5	2
14	110	8	3	28	135	5	2
15	100	5	2	29	135	5	2
16	95	5	2	30	130	5	2
17	95	5	2	31	130	5	2
18	95	5	2	01 Sep	130	5	2
19	95	10	4	02	125	5	2
20	100	8	3	03	120	5	2
21	110	5	2	04	120	5	2
22	115	5	2	05	120	5	2
23	120	5	2	06	115	5	2
24	125	8	3	07	115	5	2
25	130	8	3	08	115	8	3
26	135	12	4				



Energetic Events

Date	Time			X-ray		Optical Information			Peak		Sweep Freq	
	Begin	Max	Half Max	Class	Integ Flux	Imp/ Brtns	Location Lat CMD	Rgn #	245	2695	II	IV
06 Aug	0433	0438	0441	M1.6	0.004			1542	5800	84	1	1
11 Aug	1155	1220	1257	M1.0	0.025	2N	S28W38	1540				

Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical Location Lat CMD	Rgn #
	Begin	Max	End				
06 Aug	0039	0045	0048	C9.4			1542
06 Aug	0329	0333	0337	C1.0			1542
06 Aug	0433	0438	0441	M1.6			1542
06 Aug	0709	0714	0718	C1.1			1542
06 Aug	0810	0817	0821	C6.3			1542
06 Aug	0811	0811	0814		SF	S17W71	1532
06 Aug	0844	0848	0851	B9.3			1542
06 Aug	1016	1024	1029	C1.7			1542
06 Aug	1130	1138	1143	C1.6			1542
06 Aug	1401	1408	1412	C2.3			1542
06 Aug	1651	1656	1702	C2.8	SF	S14E83	1542
06 Aug	1950	1955	2000	C1.1			1542
07 Aug	0131	0134	0136	C1.0			1542
07 Aug	0308	0317	0323	C2.0	SF	S13E68	1542
07 Aug	0701	0706	0710	C1.1	SF	S13E67	1542
07 Aug	0813	0818	0824	C2.2	1F	S12E70	1542
07 Aug	0823	1015	1027		SF	S27E16	1540
07 Aug	1019	1025	1031	C1.5			1542
07 Aug	1027	1028	1033		SF	S27E16	1540
07 Aug	1043	1053	1113		SF	S26E15	1540
07 Aug	1133	1135	1143		SF	S14E70	1542
07 Aug	1157	1158	1201		SF	S24W13	1538
07 Aug	1205	1206	1213		SF	S13E69	1542
07 Aug	1306	1311	1318		SF	S26E13	1540
07 Aug	1317	1319	1321		SF	S14E68	1542
07 Aug	1322	1331	1341	C4.1	SF	S12E68	1542
07 Aug	1552	1554	1602		SF	S24E09	1540
07 Aug	1838	1850	1854	C3.0	1F	S13E64	1542
07 Aug	2117	2137	2142	C1.2			1542



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
07 Aug	2314	2318	2322	C1.1			1542
07 Aug	2340	2349	2354	C2.1			1542
08 Aug	0147	0151	0155		SF	S26E02	1540
08 Aug	0149	0149	0154		SF	S18E65	1542
08 Aug	0355	0407	0431	C1.7	SF	S27E04	1540
08 Aug	0417	0418	0421		SF	S15E59	1542
08 Aug	0713	0714	0729		SF	S26E04	1540
08 Aug	0726	0731	0735	C1.3	SF	S16E56	1542
08 Aug	0743	0744	0745		SF	S26E04	1540
08 Aug	1005	1009	1012	B9.0	SF	S14E61	1542
08 Aug	1047	1052	1054		SF	S14E61	1542
08 Aug	1117	1132	1142	C4.9	SF	S14E61	1542
08 Aug	1359	1404	1410	C1.3			1536
08 Aug	1442	1446	1450	C1.5	SF	S14E58	1542
08 Aug	1610	1621	1628	C1.9	SF	S17E58	1542
08 Aug	2007	2011	2019	B9.5			
08 Aug	2154	2221	2231	C1.1			1544
09 Aug	0007	0007	0013		SF	S16E52	1542
09 Aug	0008	0014	0025	C2.7	SF	S29E06	1544
09 Aug	0109	0224	0258	C1.9			1542
09 Aug	0138	0141	0149		SF	S29E06	1544
09 Aug	0154	0156	0214		SF	S14E52	1542
09 Aug	B0503	U0523	0542		SF	S28E04	1544
09 Aug	0507	0508	0520		SF	S16E41	1542
09 Aug	0527	0533	0535	C3.2	SF	S24W35	1538
09 Aug	0626	0628	0634		SF	S30E07	1544
09 Aug	0700	0710	0720	C1.1	SF	S28E04	1544
09 Aug	0730	0730	0736		SF	S28E04	1544
09 Aug	0737	0737	0743		SF	S28E04	1544
09 Aug	0837	0837	0842		SF	S12E43	1542
09 Aug	1000	1000	1004		SF	S24W35	1538
09 Aug	1019	1026	1033		SF	S11E48	1542
09 Aug	1114	1146	1258	C8.4	1N	S15E49	1542
09 Aug	1218	1226	1241		SF	S26E04	1540
09 Aug	1325	1332	1333		SF	S29E03	1544
09 Aug	1654	1658	1701	C1.1			1544
09 Aug	1841	1842	1852		SF	S16E43	1542
09 Aug	1918	1921	1924	C1.4			1542



Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical	
	Begin	Max	End			Location Lat CMD	Rgn #
09 Aug	1920	1921	1923		SF	S15E37	1542
09 Aug	1924	1925	1928		SF	S20W28	1539
09 Aug	2126	2152	2219	C1.1			1538
09 Aug	2212	2212	2216		SF	S14E38	1542
09 Aug	2242	2247	2255	C1.4	SF	S15E38	1542
10 Aug	0124	0125	0131		SF	N19W68	1535
10 Aug	0407	0416	0445	C4.2	SF	S16E36	1542
10 Aug	0458	0502	0505	C2.4			1542
10 Aug	0635	0640	0654	B8.2	SF	S15E36	1542
10 Aug	0803	0813	0829		SF	S11E32	1542
10 Aug	1127	1144	1213		SF	S12E31	1542
10 Aug	1544	1547	1550	B8.8	SF	N21E39	1543
10 Aug	1732	1740	1746	C2.7	SF	S29W12	1544
10 Aug	1838	1913	2004	C1.4	SF	S14E27	1542
10 Aug	1933	1936	1946		SF	S14E28	1542
11 Aug	0113	0119	0130	C1.1	SF	S29W20	1544
11 Aug	0450	0454	0457		SF	S15E23	1542
11 Aug	0635	0638	0641	B5.5	SF	S13E23	1542
11 Aug	0700	0720	0733		1F	S13E23	1542
11 Aug	0702	0703	0722		SF	N24E32	1543
11 Aug	0718	0722	0728	B7.2	SF	S15E21	1542
11 Aug	0902	0908	0914	B6.7			
11 Aug	1125	1127	1134		SF	S16E21	1542
11 Aug	1155	1220	1257	M1.0	2N	S28W38	1540
11 Aug	1252	1252	1304		SF	S25W30	1544
11 Aug	1628	1642	1703	C2.0	1F	S19E18	1542
12 Aug	0705	0705	0719		SF	S13E10	1542
12 Aug	0828	0832	0852		SF	S13E09	1542
12 Aug	0916	0917	0924		SF	S12E06	1542
12 Aug	1112	1115	1121		SF	S13E07	1542
12 Aug	1328	1334	1344	B8.1			1542
12 Aug	1346	1351	1357	B7.9	SF	S14E05	1542



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 1530																							
23 Jul	S19E82	210	plage					2															
24 Jul	S19E68	210	90	4	Hsx	1	A	4															
25 Jul	S19E54	211	130	4	Cso	4	B																
26 Jul	S19E40	212	140	5	Cso	3	B																
27 Jul	S19E28	209	130	4	Cso	3	B	2				2											
28 Jul	S19E13	211	140	5	Cso	3	B	1				2											
29 Jul	S17W00	212	170	4	Cso	3	B					3											
30 Jul	S18W13	212	150	3	Hsx	1	A																
31 Jul	S18W27	213	150	2	Hsx	1	A																
01 Aug	S18W41	213	120	2	Hsx	1	A					2											
02 Aug	S19W53	212	120	2	Hsx	1	A																
03 Aug	S18W66	212	100	2	Hsx	2	A																
04 Aug	S18W78	211	100	1	Hsx	1	A																
05 Aug	S18W90	210	120	7	Hsx	1	A																
								9	0	0		9	0	0	0	0	0						

Crossed West Limb.
 Absolute heliographic longitude: 212

Region 1532																							
26 Jul	S20E67	185	60	2	Cao	3	B	1															
27 Jul	S20E53	186	60	2	Cso	3	B	1	1			1											
28 Jul	S22E47	183	510	20	Fho	21	B		1			4			1								
29 Jul	S21E33	180	500	21	Fko	20	B	4	1			13	2										
30 Jul	S19E14	184	350	7	Dkc	14	B	3				6	1										
31 Jul	S19E01	185	310	7	Dki	15	B	1				1											
01 Aug	S19W14	186	280	7	Dko	9	B	2				4											
02 Aug	S18W28	187	230	6	Cso	5	B	1				1											
03 Aug	S18W41	187	230	6	Cso	6	B					1											
04 Aug	S19W53	186	240	9	Cso	4	B																
05 Aug	S19W66	186	210	5	Hsx	1	A	1				1											
06 Aug	S19W80	186	150	5	Hsx	1	A					1											
07 Aug	S16W92	185	180	8	Hsx	1	A																
								14	3	0		33	3	1	0	0							

Crossed West Limb.
 Absolute heliographic longitude: 185



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

Region 1534

28 Jul	N17E55	170	10	1	Axx	1	A											
29 Jul	N17E41	171	plage															
30 Jul	N17E27	172	plage															
31 Jul	N17E13	173	plage															
01 Aug	N17W01	173	plage															
02 Aug	N17W15	174	plage															
03 Aug	N23W26	172	0	1	Axx	1	A											
04 Aug	N23W40	173	plage															
05 Aug	N23W54	173	plage															
06 Aug	N23W68	174	plage															
07 Aug	N23W82	175	plage															
									0	0	0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 173

Region 1535

30 Jul	N18E64	135	110	10	Dai	7	B						4					
31 Jul	N18E51	135	130	10	Dai	8	BG	3					1					
01 Aug	N18E37	135	150	11	Eai	12	BG	2					1					
02 Aug	N17E24	135	120	9	Dso	10	BG											
03 Aug	N18E09	135	100	9	Cso	7	B	1					1					
04 Aug	N18W02	135	100	8	Cso	10	B	3					4	1				
05 Aug	N18W15	135	90	4	Cso	6	B						1					
06 Aug	N19W29	135	80	4	Cso	4	B											
07 Aug	N19W42	135	50	5	Cso	2	B											
08 Aug	N18W54	134	70	5	Cso	2	B											
09 Aug	N19W70	136	80	2	Hsx	1	A											
10 Aug	N18W81	134	90	5	Hsx	1	A						1					
									9	0	0	13	1	0	0	0	0	

Crossed West Limb.

Absolute heliographic longitude: 135



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares								
	Lat CMD	Lon	Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
			10 ⁻⁶	hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
Region 1536																
30 Jul	S23E26	173	100	10	Dao	7	B		1			1				
31 Jul	S22E13	173	90	9	Dao	6	B	4				8				
01 Aug	S22W01	173	100	12	Eao	7	B					4				
02 Aug	S23W13	172	70	13	Eao	6	B									
03 Aug	S23W26	172	30	13	Cro	5	BG					1				
04 Aug	S25W38	171	30	13	Cso	3	B									
05 Aug	S25W52	171	plage													
06 Aug	S25W66	172	plage													
07 Aug	S25W80	173	plage													
								4	1	0	14	0	0	0	0	0

Crossed West Limb.
 Absolute heliographic longitude: 173

Region 1537																
31 Jul	N12E76	110	10	1	Axx	1	A									
01 Aug	N12E64	108	40	3	Hsx	1	A									
02 Aug	N12E50	109	50	2	Hsx	1	A									
03 Aug	N12E35	111	40	2	Hsx	1	A									
04 Aug	N12E23	110	50	2	Hsx	1	A									
05 Aug	N13E09	109	40	1	Hsx	1	A									
06 Aug	N13W04	110	40	1	Hsx	1	A									
07 Aug	N12W17	110	50	1	Hsx	1	A									
08 Aug	N12W30	110	20	1	Hsx	1	A									
09 Aug	N13W42	108	30	1	Hsx	1	A									
10 Aug	N13W55	108	20	2	Hsx	1	A									
11 Aug	N12W69	108	10	1	Axx	1	A									
12 Aug	N12W82	109	plage													
								0	0	0	0	0	0	0	0	0

Still on Disk.
 Absolute heliographic longitude: 110



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 1538																							
30 Jul	S23E82	118	plage										1										
31 Jul	S23E68	118	30	4	Dro	2	B	2						15									
01 Aug	S22E54	118	160	8	Dao	6	B	4						8									
02 Aug	S23E43	116	220	9	Dao	7	B																
03 Aug	S22E28	118	220	10	Dao	6	B	1						3									
04 Aug	S22E16	117	220	11	Eso	8	BG																
05 Aug	S22E02	117	140	9	Dso	8	B																
06 Aug	S22W11	117	130	9	Dso	5	B																
07 Aug	S22W23	116	100	10	Dso	3	B							1									
08 Aug	S23W35	115	100	10	Dso	2	B																
09 Aug	S22W47	113	160	10	Dso	5	B	2						2									
10 Aug	S23W60	113	110	9	Dso	6	B																
11 Aug	S23W74	113	70	8	Dso	2	B																
12 Aug	S22W87	113	10	2	Axx	1	A																
								10	0	0	29	0	0	0	0								

Still on Disk.

Absolute heliographic longitude: 117

Region 1539																							
02 Aug	S22E60	99	30	3	Cro	4	B																
03 Aug	S23E45	101	10	6	Bxo	3	B	1						1									
04 Aug	S22E31	102	20	3	Cro	3	B	1						3									
05 Aug	S23E18	101	10	1	Hrx	1	A	1															
06 Aug	S23E04	102	0	1	Axx	1	A																
07 Aug	S20W07	100	plage																				
08 Aug	S22W20	100	20	3	Cso	2	B																
09 Aug	S20W29	96	10		Axx	1	A							1									
10 Aug	S20W43	96	plage																				
11 Aug	S20W57	97	plage																				
12 Aug	S20W71	98	plage																				
								3	0	0	4	1	0	0	0								

Still on Disk.

Absolute heliographic longitude: 102



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 1540																							
03 Aug	S27E60		86	30	7	Cro	3	B	1														
04 Aug	S27E46		87	90	7	Cao	8	B					2										
05 Aug	S27E32		87	110	6	Dso	8	B															
06 Aug	S27E17		89	100	6	Cai	13	B															
07 Aug	S26E04		89	90	5	Dai	9	B					5										
08 Aug	S26W09		89	90	6	Dai	9	B	1				4										
09 Aug	S26W21		88	90	5	Cao	6	B					1										
10 Aug	S26W34		87	110	4	Cao	7	B															
11 Aug	S25W50		89	50	1	Hax	1	A		1									1				
12 Aug	S25W62		89	30	1	Hax	1	A															
									2	1	0		12	0	1	0	0						

Still on Disk.

Absolute heliographic longitude: 89

Region 1541

03 Aug	S15E64		82	10	1	Hrx	1	A														
04 Aug	S15E50		83	0	1	Axx	1	A														
05 Aug	S16E38		81	10		Axx	1	A														
06 Aug	S17E24		82	10	1	Axx	1	A														
07 Aug	S17E10		83	plage																		
08 Aug	S17W04		84	plage																		
09 Aug	S17W18		85	plage																		
10 Aug	S17W32		85	plage																		
11 Aug	S17W46		86	plage																		
12 Aug	S17W60		87	plage																		
									0	0	0		0	0	0	0	0					

Still on Disk.

Absolute heliographic longitude: 84



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 1542																				
06 Aug	S13E75	31	20	2	Hax	2	A	9	1											
07 Aug	S14E62	31	140	8	Cso	6	B	10			6	2								
08 Aug	S14E50	30	160	9	Dai	9	B	4			8									
09 Aug	S14E37	30	190	7	Dai	14	B	4			9	1								
10 Aug	S16E24	29	130	6	Dai	10	B	3			6									
11 Aug	S14E08	31	110	4	Dao	7	B	1			4	2								
12 Aug	S13W04	30	60	5	Dao	6	BG				5									
								31	1	0	38	5	0	0	0	0				

Still on Disk.

Absolute heliographic longitude: 30

Region 1543

07 Aug	N21E70	23	140	8	Cso	4	B											
08 Aug	N21E58	22	230	9	Dao	4	B											
09 Aug	N21E45	22	260	8	Dho	6	BG											
10 Aug	N21E33	20	250	10	Dho	4	B				1							
11 Aug	N20E20	20	250	10	Dho	9	B				1							
12 Aug	N20E07	19	230	9	Dso	5	BG											
								0	0	0	2	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 19

Region 1544

09 Aug	S30W06	73	70	5	Dai	10	B	3			8							
10 Aug	S29W20	73	80	8	Dso	6	B	1			1							
11 Aug	S31W33	72	70	8	Dao	7	B	1			2							
12 Aug	S31W45	72	50	2	Cao	2	B											
								6	0	0	11	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 73

Region 1545

11 Aug	S14W21	61	10	1	Bxo	1	B											
12 Aug	S14W34	61	10	1	Bxo	1	B											
								0	0	0	0	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 61

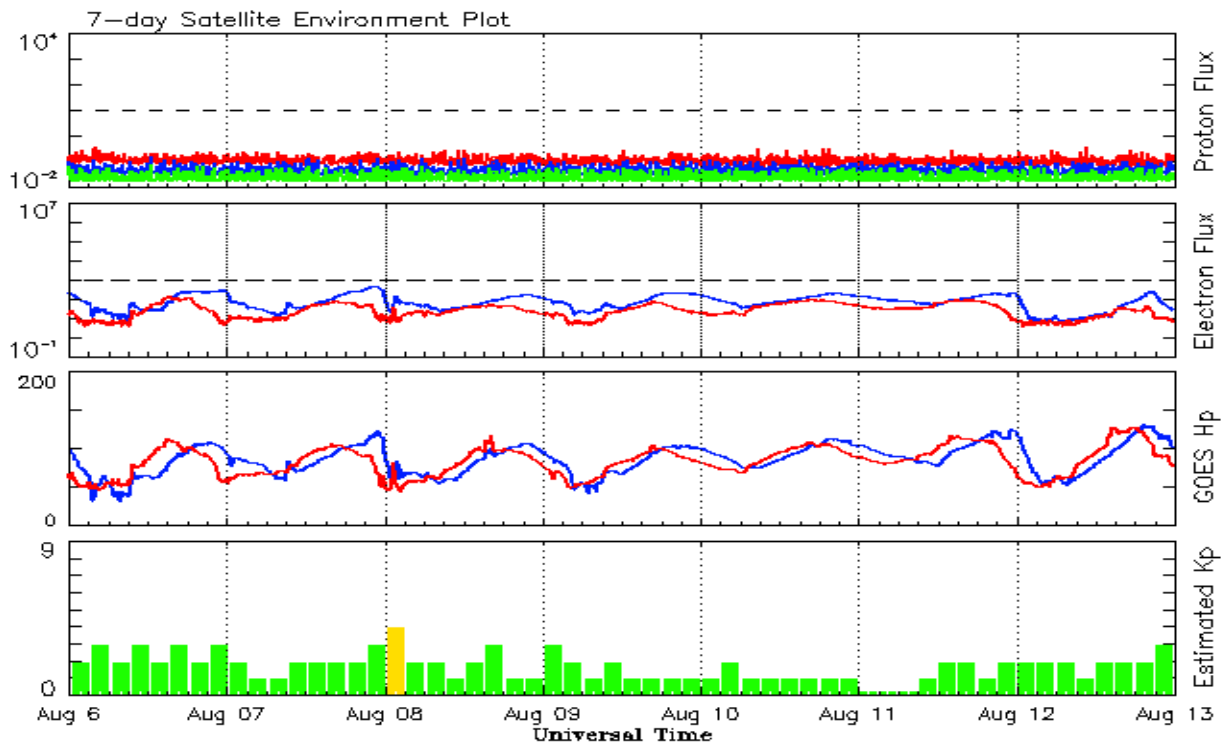


Recent Solar Indices (preliminary)
Observed monthly mean values

Month	Sunspot Numbers					Radio Flux		Geomagnetic	
	Observed values		Ratio	Smooth values		Penticton	Smooth	Planetary	Smooth
	SEC	RI	RI/SEC	SEC	RI	10.7 cm	Value	Ap	Value
2010									
August	28.2	19.6	0.70	27.3	17.4	79.7	80.7	8	6.2
September	35.6	25.2	0.71	30.6	19.6	81.1	82.4	5	6.3
October	35.0	23.5	0.67	35.9	23.2	81.6	85.3	6	6.4
November	36.1	21.5	0.60	40.5	26.5	82.5	87.7	5	6.4
December	22.0	14.4	0.66	43.8	28.8	84.3	89.6	4	6.5
2011									
January	32.1	18.8	0.59	47.2	30.9	83.7	91.2	6	6.7
February	53.2	29.6	0.55	50.6	33.4	94.5	92.7	6	6.8
March	81.0	55.8	0.69	55.2	36.9	115.3	95.8	7	7.2
April	81.7	54.4	0.67	61.5	41.8	112.6	100.4	9	7.5
May	61.4	41.5	0.68	69.0	47.6	95.9	105.6	9	7.5
June	55.5	37.0	0.67	76.5	53.2	95.8	110.9	8	7.4
July	67.0	43.8	0.66	82.5	57.2	94.2	115.4	9	7.3
August	66.1	50.6	0.77	84.9	59.0	101.7	117.9	8	7.4
September	106.4	78.0	0.73	84.6	59.5	134.5	118.4	13	7.7
October	116.8	88.0	0.75	84.6	59.9	137.2	118.4	7	8.0
November	133.1	96.7	0.73	86.3	61.1	153.1	119.5	3	8.0
December	106.3	73.0	0.69	89.2	63.4	141.2	121.6	3	8.0
2012									
January	91.3	58.3	0.64	92.0	65.5	133.1	124.4	6	8.3
February	50.1	32.9	0.66			106.7		7	
March	77.9	64.3	0.82			115.1		14	
April	84.4	55.2	0.65			113.1		9	
May	99.5	69.0	0.69			121.5		8	
June	88.6	64.5	0.73			120.5		10	
July	99.6	66.5	0.67			135.6		13	

Note: Values are final except for the most recent 6 months which are considered preliminary.
Cycle 24 started in Dec 2008 with an RI=1.7.





*Weekly Geosynchronous Satellite Environment Summary
Week Beginning 06 August 2012*

The proton flux plot contains the five-minute averaged integral proton flux (protons/cm²-sec -sr) as measured by the SWPC Primary GOES satellite, near West 75, for each of three energy thresholds: greater than 10, 50, and 100 MeV.

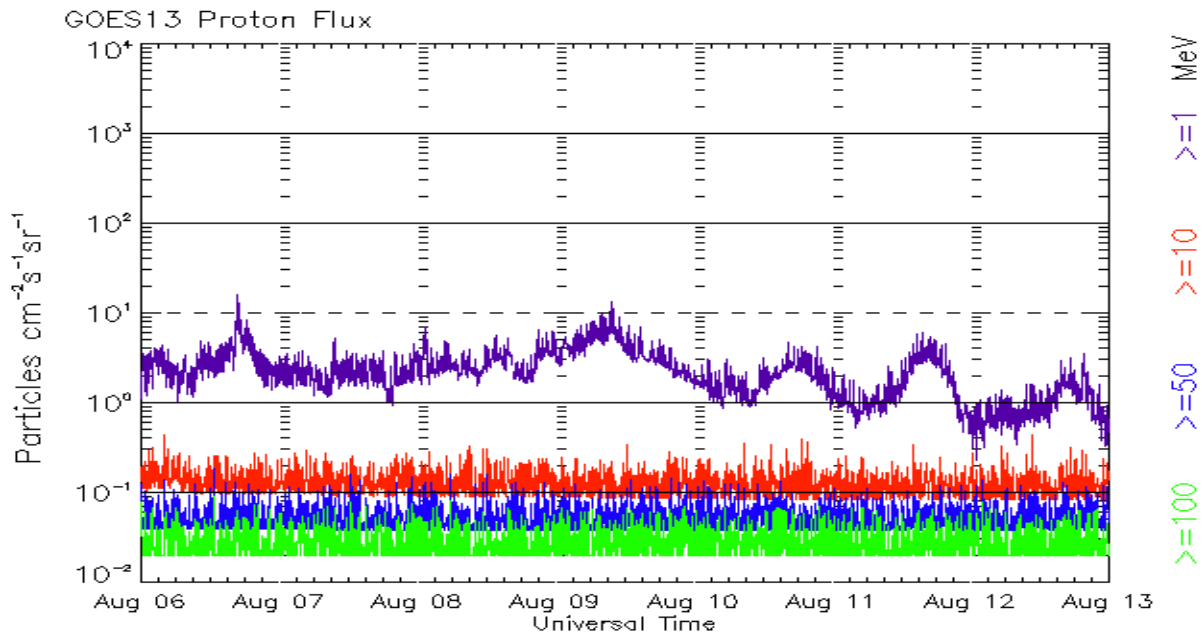
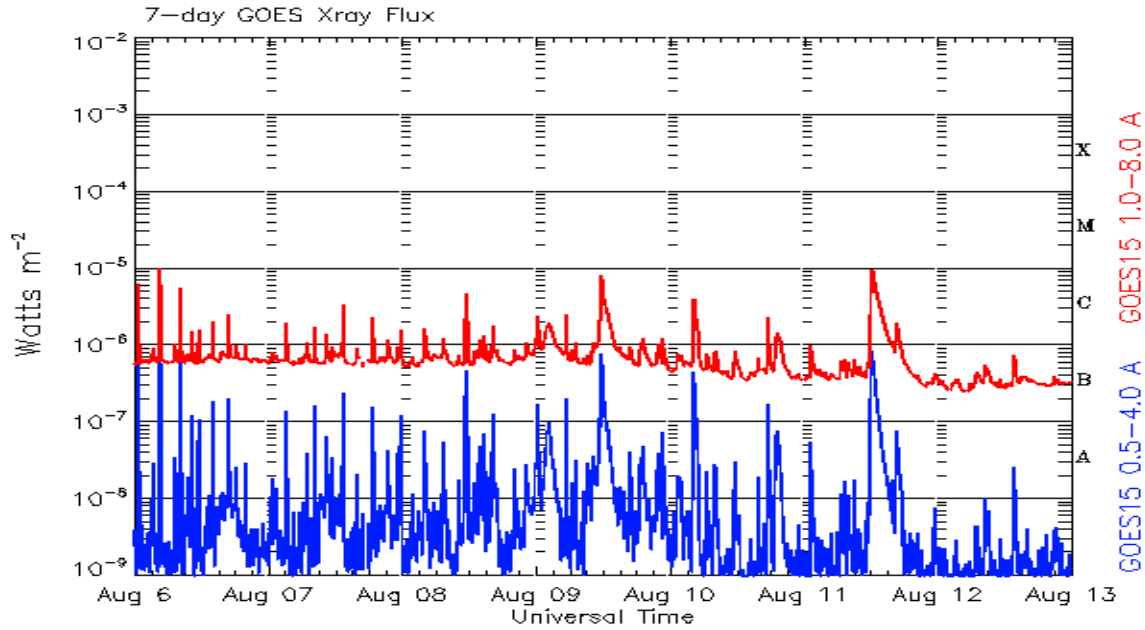
The electron flux plot contains the five-minute averaged integral electron flux (electrons/cm²-sec -sr) with energies greater than 2 MeV by the SWPC Primary GOES satellite.

The Hp plot contains the five minute averaged Hp magnetic field component in nanoteslas (nT) as by the SWPC Primary GOES satellite. The Hp component is parallel to the spin axis of the satellite, which is nearly parallel to the Earth's rotation axis.

The Estimated 3-hour Planetary Kp-index is derived at the NOAA Space Weather Prediction Center using data from the following ground-based magnetometers: Boulder, Colorado; Chambon la Foret, France; Fredericksburg, Virginia; Fresno, California; Hartland, UK; Newport, Washington; Sitka, Alaska. These data are made available thanks to the cooperative efforts between SWPC and data providers around the world, which currently includes the U.S. Geological Survey, the British Geological Survey, and the Institut de Physique du Globe de Paris.

The data included here are those now available in real time at the SWPC and are incomplete in that they do not include the full set of parameters and energy ranges known to cause satellite operating anomalies. The proton and electron fluxes and Kp are 'global' parameters that are applicable to a first order approximation over large areas. H parallel is subject to more localized phenomena and the measurements generally are applicable to within a few degrees of longitude of the measuring satellite.





*Weekly GOES Satellite X-ray and Proton Plots
Week Beginning 06 August 2012*

The x-ray plots contains five-minute averages x-ray flux (Watt/ m^2) as measure by the SWPC primary GOES X-ray satellite, usually at West 105 longitude, in two wavelength bands, 0.05 - 0.4 and 0.1 - 0.8 nm. The letters A, B, C, M and X refer to x-ray event levels for the 0.1 - 0.8 nm band.

The proton plot contains the five-minute averaged intergral flux units (pfu = protons/ cm^2 -sec -sr) as measured by the primary SWPC GOES Proton satellite for each of the energy thresholds: >1 , >10 , >30 , and >100 MeV. The P10 event threshold is 10 pfu at greater than 10 MeV.



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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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