

Solar activity was at very low to low levels. This period saw predominately B-class flare activity with isolated C-class flare activity, especially late in the period. The largest event of the period was a C2/Sf flare at 0930 UTC on 16 Aug from Region 2144 (S17, L=107, class/area=Dsi/220 on 17 Aug). In addition to the C2 flare, Region 2144 produced two additional low-level C-class flares and Region 2139 (N13, L=058, class/area=Eac/140 on 15 Aug) contributed three low-level C-class flares this period.

A filament eruption estimated at 30 degree in extent was observed leaving the solar disk in SDO/AIA 193 and 304 imagery between 1630-1715 UTC on 15 Aug. A subsequent partial-halo coronal mass ejection (CME) was observed in SOHO/LASCO C2 coronagraph imagery beginning at 15/1800 UTC. Forecaster analysis of this event and WSA-ENLIL model output suggest an anticipated CME arrival at Earth late on 19 Aug.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal levels on 12 Aug with normal to moderate levels observed on 11, 13-17 Aug. A maximum flux value of 565 pfu was observed at 1605 UTC on 11 Aug.

Geomagnetic field activity was quiet on 13-16 Aug under nominal solar wind conditions. Quiet to unsettled levels were observed on 11 and 17 Aug and quiet to active levels were observed on 12 Aug, due to coronal hole high speed stream effects.

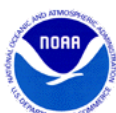
Space Weather Outlook **18 August - 13 September 2014**

Solar activity is expected to be low throughout the period with a slight chance for M-class (R1-R2 (Minor-Moderate)) flare activity for 21 Aug - 06 Sep due to the return of old Regions 2127 (S09, L=249, class/area=Dkc/300 on 30 Jul) and 2130 (S07, L= 230, class/area=Ekc/290 on 01 Aug), which produced one and two M-class flares, respectively.

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 throughout the outlook period.

Geomagnetic field activity is expected to be quiet on 18, 23-27, and 30 Aug, 03-05 and 09-13 Sep. Quiet to active conditions are expected on 19-20 Aug due to the anticipated arrival of the 15 Aug coronal mass ejection (CME), followed by quiet to unsettled conditions on 21-22 Aug due to coronal hole high speed stream (CH HSS) effects. Quiet to unsettled conditions are expected on 28-29 Aug due to a solar sector boundary crossing followed by a co-rotation interaction region. Quiet to active conditions are expected on 31 Aug followed by quiet to unsettled levels on 01-02 Sep due to CH HSS effects. Quiet to unsettled levels are expected on 06-08 Sep due to



CH HSS effects.



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
11 August	105	82	400	B3.0	1	0	0	6	0	0	0	0
12 August	104	80	340	B2.8	0	0	0	7	0	0	0	0
13 August	103	68	290	B3.2	0	0	0	8	0	0	0	0
14 August	103	108	340	B2.5	0	0	0	11	0	0	0	0
15 August	113	119	420	B3.3	4	0	0	25	1	0	0	0
16 August	112	99	500	B3.5	2	0	0	7	0	0	0	0
17 August	115	121	640	B3.3	1	0	0	10	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
	11 August	2.0e+05	1.0e+04	2.6e+03		1.3e+07
12 August	1.3e+05	9.8e+03	2.4e+03		1.9e+06	
13 August	1.3e+05	1.1e+04	2.6e+03		6.2e+06	
14 August	1.2e+05	1.0e+04	2.7e+03		9.8e+06	
15 August	1.2e+05	1.0e+04	2.6e+03		7.7e+06	
16 August	1.8e+05	1.1e+04	2.7e+03		6.3e+06	
17 August	4.4e+05	1.1e+04	2.7e+03		1.8e+06	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	11 August	7	1-1-1-1-2-3-2-3	5	1-1-1-1-1-3-1-2	7
12 August	11	3-2-0-2-3-3-3-3	8	3-2-0-2-1-2-2-3	12	3-2-1-2-1-3-4-4
13 August	8	2-2-2-2-3-2-2-2	12	3-2-2-4-4-1-1-1	6	2-2-2-2-2-1-1-1
14 August	5	1-1-1-2-2-1-1-2	2	1-1-0-2-0-0-0-1	4	1-1-1-2-1-1-1-2
15 August	6	1-1-1-2-3-2-1-1	5	1-1-1-2-3-1-1-0	5	1-1-1-1-2-2-0-1
16 August	4	1-1-0-1-2-2-2-1	1	1-1-0-0-0-0-0-0	3	1-1-0-1-1-0-1-1
17 August	9	1-1-1-3-4-2-2-2	9	1-1-0-1-5-3-0-0	7	2-1-1-3-3-2-1-2

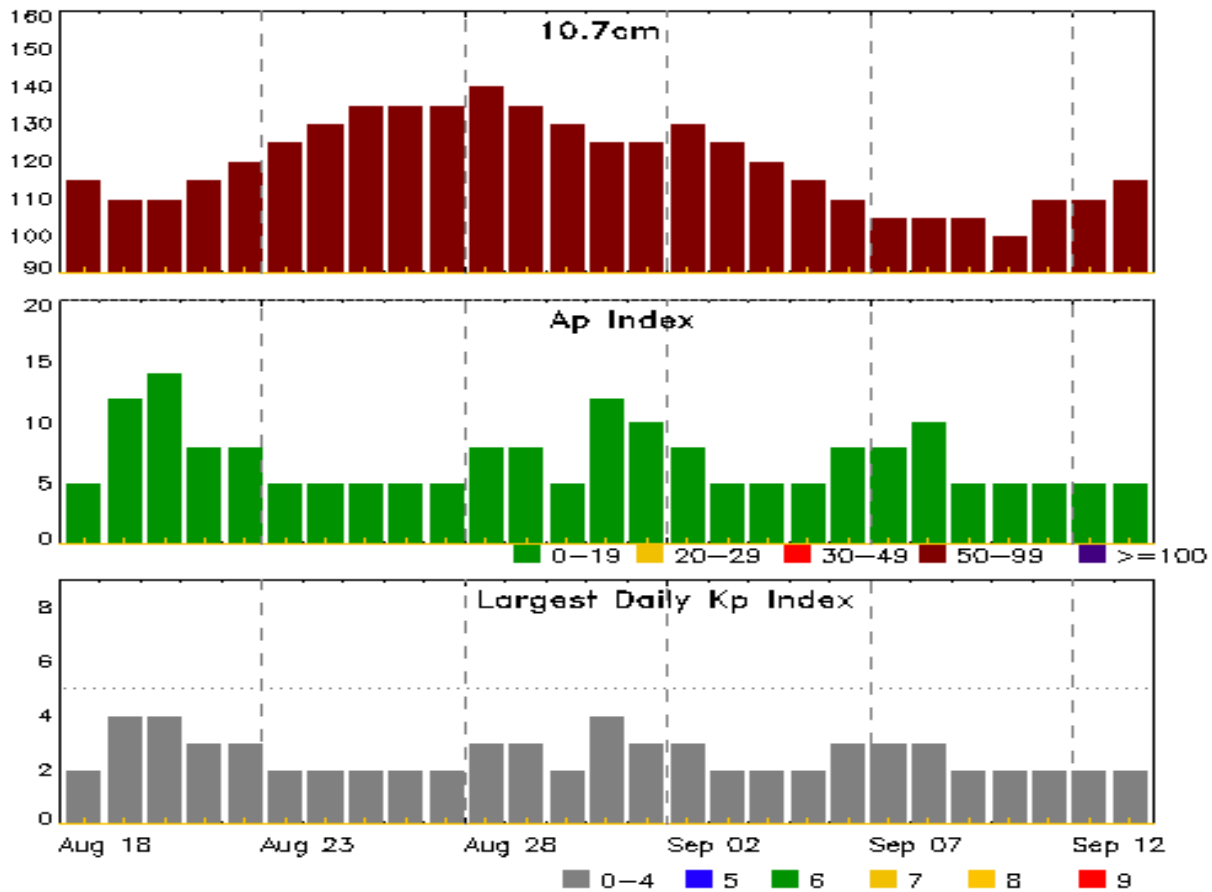


Alerts and Warnings Issued

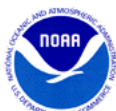
Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
11 Aug 2356	WARNING: Geomagnetic K = 4	11/2355 - 12/0700
12 Aug 1619	WARNING: Geomagnetic K = 4	12/1700 - 13/0100
12 Aug 2039	ALERT: Geomagnetic K = 4	12/2034
14 Aug 0449	ALERT: Type II Radio Emission	14/0402



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
18 Aug	115	5	2	01 Sep	125	10	3
19	110	12	4	02	130	8	3
20	110	14	4	03	125	5	2
21	115	8	3	04	120	5	2
22	120	8	3	05	115	5	2
23	125	5	2	06	110	8	3
24	130	5	2	07	105	8	3
25	135	5	2	08	105	10	3
26	135	5	2	09	105	5	2
27	135	5	2	10	100	5	2
28	140	8	3	11	110	5	2
29	135	8	3	12	110	5	2
30	130	5	2	13	115	5	2
31	125	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 #	Radio Flux 245	Radio Flux 2695	Intensity II

No Events Observed

Flare List

Date	Time			X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
	Begin	Max	End				
11 Aug	0110	0114	0117	B6.4			
11 Aug	0215	0314	0347	B7.8			2139
11 Aug	0413	0416	0419	B6.1			2139
11 Aug	0621	0624	0627	B5.1	SF	S17W24	2137
11 Aug	0859	0909	0915	C1.3	SF	S23W73	2132
11 Aug	1009	1010	1012		SF	S19W26	2137
11 Aug	1109	1113	1120		SF	S19W26	2137
11 Aug	B1233	U1233	1239		SF	N10E27	
11 Aug	1614	1614	1617		SF	N15E77	2139
12 Aug	0033	0035	0039		SF	S22W68	2132
12 Aug	0049	0053	0055	B5.3			
12 Aug	0404	0407	0410	B5.2			
12 Aug	0415	0421	0425	B7.9			
12 Aug	0452	0456	0458	B4.7			
12 Aug	0615	0618	0631	B4.7	SF	N15E69	2139
12 Aug	0638	0641	0647	B4.5	SF	N15E69	2139
12 Aug	0653	0655	0718	B4.9	SF	N11W42	2140
12 Aug	0955	1016	1030		SF	N16E69	2139
12 Aug	1317	1328	1346		SF	N11W46	2140
12 Aug	1507	1509	1535		SF	S22W40	2137
12 Aug	2013	2019	2024	B6.9			2140
13 Aug	0030	0036	0055	B6.4			2137
13 Aug	0817	0817	0826		SF	N17E55	2139
13 Aug	0916	1118	1139		SF	N17E55	2139
13 Aug	0928	0928	0932		SF	N13E52	2139
13 Aug	1034	1035	1046		SF	S22W51	2137
13 Aug	1100	1101	1104		SF	S22W53	2137
13 Aug	1108	1117	1126	B7.4			2139
13 Aug	1615	1615	1617		SF	N12W25	2135
13 Aug	1617	1621	1622		SF	N18E51	2139
13 Aug	1625	1627	1635		SF	N08W04	



Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical	
	Begin	Max	End			Location Lat CMD	Rgn #
14 Aug	0024	0026	0028		SF	S18W62	2137
14 Aug	0229	0233	0236	B4.0	SF	N15E74	2141
14 Aug	0353	0400	0412	B6.1	SF	S20W63	2137
14 Aug	0418	0420	0444	B6.3	SF	N13E45	2139
14 Aug	0436	0441	0449		SF	N15E74	2141
14 Aug	0457	0457	0502		SF	N13E44	2139
14 Aug	0617	0617	0620		SF	N18E43	2139
14 Aug	B0648	0659	A0706		SF	N18E43	2139
14 Aug	0840	0842	0847		SF	S20W66	2137
14 Aug	1005	1007	1009		SF	N18E41	2139
14 Aug	1239	1249	1306	B4.8			
14 Aug	1412	1414	1417		SF	S16W11	
14 Aug	1608	1619	1628	B5.2			2135
14 Aug	1726	1745	1814	B5.4			2137
14 Aug	1913	1923	1931	B7.4			2141
14 Aug	2025	2033	2055	B8.8			2141
14 Aug	2254	2259	2311	B7.1			2141
15 Aug	0001	0004	0004		SF	N14E63	2141
15 Aug	0030	0045	0114	B5.0			2144
15 Aug	0122	0136	0148	B7.1			2141
15 Aug	0234	0239	0247	B6.2	SF	N16E30	2139
15 Aug	0250	0251	0256		SF	N15E33	2139
15 Aug	0328	0340	0350	B5.4			2142
15 Aug	0408	0413	0422		SF	N12E31	2139
15 Aug	0427	0427	0430		SF	N15E32	2139
15 Aug	0441	0443	0455		SF	N14E32	2139
15 Aug	B0446	U0452	0515		SF	N19E61	2141
15 Aug	0514	0514	0519		SF	S20W78	2137
15 Aug	0516	0545	0633		SF	N19E61	2141
15 Aug	B0655	U0739	0926		SF	N14E29	2139
15 Aug	B0658	U0808	A0838	B6.0	SF	N19E61	2141
15 Aug	0750	0756	0802	B6.5			2139
15 Aug	0827	0837	0848	B9.5			2139
15 Aug	B0832	U0848	0910		SF	N19E60	2141
15 Aug	0834	0837	0840		SF	N13E29	2139
15 Aug	0925	0938	0944		SF	N19E60	2141
15 Aug	1005	1010	1017	B9.0	SF	S20W22	2144
15 Aug	1031	1036	1043	B7.2			2141



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
15 Aug	1047	1048	1050		SF	N19E59	2141
15 Aug	1058	U1102	A1137		SF	S20W23	2144
15 Aug	1144	1157	1159		SF	S20W23	2144
15 Aug	1154	1200	1208	C1.1			2139
15 Aug	1200	1206	1214		SF	S20W23	2144
15 Aug	1222	1243	1247		SF	S20W24	2144
15 Aug	1230	1234	1237		SF	N14E26	2139
15 Aug	1241	1241	1244		SF	N14E26	2139
15 Aug	1300	1347	1350	C1.1	1F	S19W25	2144
15 Aug	1323	1324	1327		SF	N14E26	2139
15 Aug	1342	1342	1351		SF	N14E24	2139
15 Aug	1441	1443	1444		SF	S19W27	2144
15 Aug	2146	2154	2206	C1.5			2139
15 Aug	2234	2238	2240	C1.4			2144
16 Aug	0541	0549	0601	C1.0	SF	N12E12	2139
16 Aug	0631	0635	0638		SF	S18W37	2144
16 Aug	0900	0903	0912		SF	N13E14	2139
16 Aug	0913	0915	0938		SF	N13E14	2139
16 Aug	0924	0930	0932	C2.7	SF	S21W39	2144
16 Aug	1121	1125	1130		SF	S20W40	2144
16 Aug	1515	1516	1528		SF	N13E10	2139
17 Aug	0010	0020	0032	B8.4	SF	N13E06	2139
17 Aug	0151	0156	0201	B7.3			2144
17 Aug	0701	0704	0706	B8.0	SF	S22W56	2144
17 Aug	0914	0915	0918		SF	S06E25	2143
17 Aug	0925	0926	0928		SF	S15W52	2144
17 Aug	0957	1001	1009		SF	S04E24	2143
17 Aug	1018	1019	1021		SF	N12E73	2146
17 Aug	1058	1058	1100		SF	S05E23	2143
17 Aug	1251	1253	1254		SF	S05E22	2143
17 Aug	1339	U1342	1353		SF	S05E22	2143
17 Aug	1429	1429	1434		SF	S24W56	2144
17 Aug	1941	1948	2006	C1.8			2146
17 Aug	2205	2209	2215	B8.2			2144



Region Summary

Date	Location		Sunspot Characteristics					Flares									
	Lat	CMD	Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical					
			Lon	10 ⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4	
Region 2132																	
31 Jul	S18E60		211	30	4	Cro	5	B									
01 Aug	S19E46		211	200	7	Dac	16	BGD	1			9	1				
02 Aug	S19E32		212	220	9	Dai	23	BGD	3			7					
03 Aug	S19E18		213	220	11	Eai	23	BG	2			6	1				
04 Aug	S20E04		214	210	11	Eai	14	BG	1			3					
05 Aug	S21W07		211	190	12	Eai	19	BG	3			6					
06 Aug	S20W21		212	210	12	Eac	30	B	1			4					
07 Aug	S21W33		210	240	13	Eac	54	B	1			2					
08 Aug	S21W47		212	230	12	Eac	18	B	2			5					
09 Aug	S19W61		213	180	12	Eao	16	B				3					
10 Aug	S19W75		213	60	8	Cao	7	B									
11 Aug	S19W89		214	plage								1					
									15	0	0	46	2	0	0	0	0

Crossed West Limb.
 Absolute heliographic longitude: 214

Region 2133																	
02 Aug	N18E60		184	20	1	Hrx	1	A									
03 Aug	N18E46		185	20	1	Hrx	1	A	1								
04 Aug	N18E32		186	10	1	Hrx	1	A									
05 Aug	N18E18		186	plage													
06 Aug	N18E04		187	plage													
07 Aug	N18W10		188	plage													
08 Aug	N18W24		189	plage													
09 Aug	N18W38		190	plage													
10 Aug	N18W52		190	plage													
11 Aug	N18W66		191	plage													
12 Aug	N18W80		192	plage													
									1	0	0	0	0	0	0	0	0

Crossed West Limb.
 Absolute heliographic longitude: 187



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares								
	Lat	CMD	Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
			Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
Region 2134																
02 Aug	N09E69		175	90	10	Dao	6	B						1		
03 Aug	N09E55		176	150	10	Dao	9	B	2					5		
04 Aug	N09E41		177	160	8	Dso	7	B	1					2		
05 Aug	N09E29		175	170	8	Dac	10	BGD								
06 Aug	N09E15		175	140	8	Dai	9	BD								
07 Aug	N08E03		174	130	9	Dai	25	B					1			
08 Aug	N08W11		176	70	9	Cai	17	B								
09 Aug	N08W25		177	10	12	Bxo	15	B								
10 Aug	N08W37		175	10	2	Axx	2	A								
11 Aug	N08W51		176	10	2	Axx	2	A								
12 Aug	N08W65		177	plage												
13 Aug	N08W79		178	plage												
									3	0	0	9	0	0	0	0

Crossed West Limb.
 Absolute heliographic longitude: 174

Region 2135																
06 Aug	N11E64		127	30	4	Cro	4	B								
07 Aug	N11E50		127	170	7	Dso	10	B					3			
08 Aug	N11E36		129	250	8	Dho	10	BG	2				1	1		
09 Aug	N12E22		130	240	9	Dso	15	BG	1				5			
10 Aug	N12E08		130	220	10	Dso	10	B					1			
11 Aug	N12W06		131	220	11	Eso	9	B								
12 Aug	N12W19		131	170	11	Eao	6	B								
13 Aug	N12W31		130	130	10	Cso	4	B					1			
14 Aug	N13W45		130	140	10	Cso	3	B								
15 Aug	N13W59		131	90	10	Cso	2	B								
16 Aug	N15W73		132	80	3	Hax	2	A								
17 Aug	N16W87		133	60	2	Hax	2	A								
									3	0	0	11	1	0	0	0

Still on Disk.
 Absolute heliographic longitude: 131



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 2136

08 Aug	N08W43	208	10	4	Bxo	4	B										
09 Aug	N08W57	209	10	1	Axx	1	A										
10 Aug	N08W71	209	plage														
11 Aug	N09W83	209	20	5	Cso	2	B										
								0	0	0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 208

Region 2137

09 Aug	S19W09	161	10	2	Hrx	3	A										
10 Aug	S19W23	161	30	3	Cao	5	B	1			8						
11 Aug	S19W37	162	30	3	Cso	5	B				3						
12 Aug	S18W51	163	10	3	Dro	5	B				1						
13 Aug	S18W63	162	10	4	Bxo	3	B				2						
14 Aug	S18W77	162	10	1	Axx	1	A				3						
								1	0	0	17	0	0	0	0	0	0

Died on Disk.
Absolute heliographic longitude: 161

Region 2138

11 Aug	N13W71	196	20	4	Cso	2	B										
12 Aug	N13W84	196	30	6	Cso	2	B										
								0	0	0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 196

Region 2139

11 Aug	N14E68	56	100	10	Dso	2	B				1						
12 Aug	N14E55	57	120	9	Dso	13	B				3						
13 Aug	N13E42	57	120	9	Dsi	18	B				4						
14 Aug	N13E28	57	120	10	Dac	15	B				5						
15 Aug	N13E14	58	140	11	Eac	27	BG	2			11						
16 Aug	N14W00	59	130	10	Dac	17	BG	1			4						
17 Aug	N14W14	60	100	10	Cai	13	BG				1						
								3	0	0	29	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 59



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 2140

12 Aug	N13W53	165	10	4	Bxo	4	B					2					
13 Aug	N13W66	165	30	4	Cao	3	B										
14 Aug	N13W80	165	10	3	Bxo	2	B										
								0	0	0	2	0	0	0	0	0	

Crossed West Limb.
Absolute heliographic longitude: 165

Region 2141

14 Aug	N15E60	25	30	4	Dao	9	B					2					
15 Aug	N15E46	26	100	8	Dac	14	B					7					
16 Aug	N16E32	27	120	9	Dac	8	BG										
17 Aug	N16E18	28	110	11	Eso	13	B										
								0	0	0	9	0	0	0	0	0	

Still on Disk.
Absolute heliographic longitude: 28

Region 2142

14 Aug	N05E54	31	plage														
15 Aug	N05E40	32	plage														
16 Aug	N05E26	33	plage														
17 Aug	N05E12	34	plage														
								0	0	0	0	0	0	0	0	0	

Still on Disk.
Absolute heliographic longitude: 34

Region 2143

14 Aug	S07E61	24	10	4	Bxo	3	B										
15 Aug	S07E47	25	10	4	Bxo	3	B										
16 Aug	S07E33	26	plage														
17 Aug	S05E19	27	30	3	Cro	3	B					5					
								0	0	0	5	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.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical							
								C	M	X	S	1	2	3	4			
Region 2144																		
14 Aug	S17W19	103	20	3	Cro	5	B											
15 Aug	S17W33	105	60	4	Cao	9	BG	2				6	1					
16 Aug	S17W47	106	130	8	Dai	8	BG	1				3						
17 Aug	S17W61	107	220	10	Dsi	5	BG					3						
								3	0	0		12	1	0	0	0	0	

Still on Disk.
Absolute heliographic longitude: 103

Region 2145																		
15 Aug	S27E15	57	20	3	Dro	4	B											
16 Aug	S27E01	58	10	5	Bxo	3	B											
17 Aug	S27W13	59	10	1	Axx	1	A											
								0	0	0		0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 58

Region 2146																		
16 Aug	N09E76	343	30	3	Hsx	1	A											
17 Aug	N09E62	344	80	2	Hax	2	A	1				1						
								1	0	0		1	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 344

Region 2147																		
17 Aug	S09E73	333	30	3	Cao	2	B											
								0	0	0		0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 333

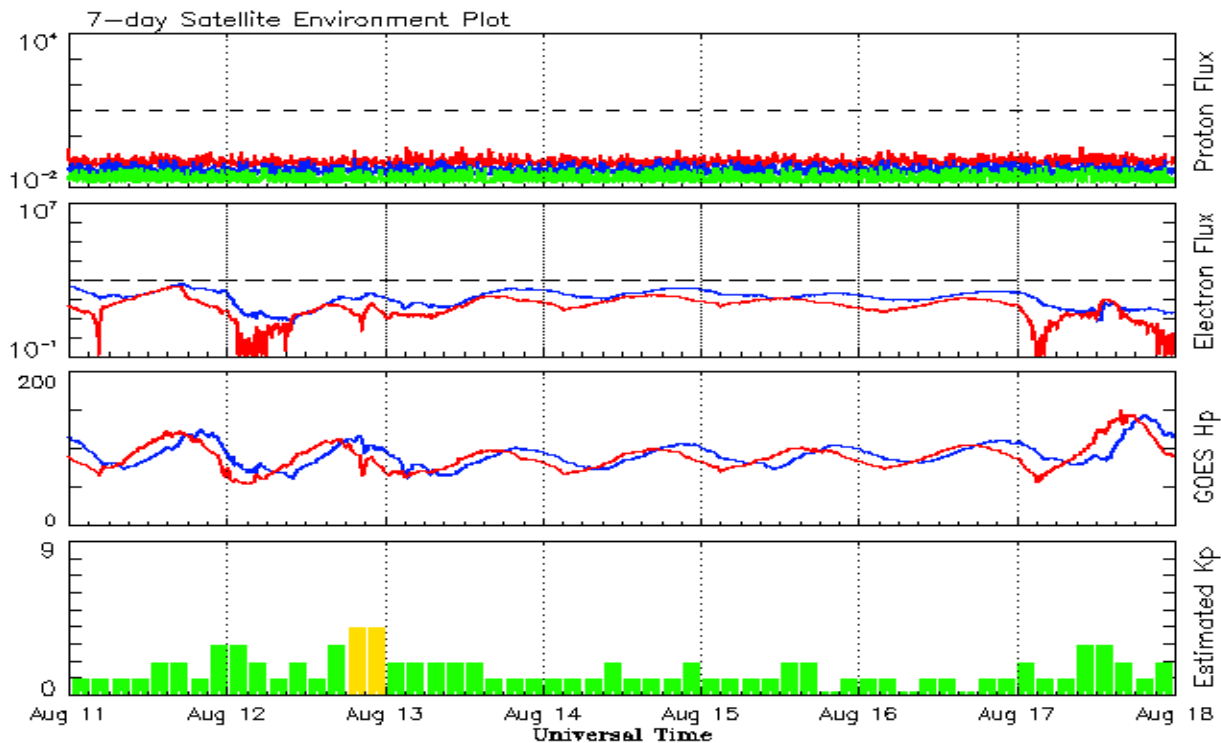


Recent Solar Indices (preliminary)
Observed monthly mean values

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
2012									
August	85.8	63.0	0.74	83.1	58.2	115.7	119.2	7	8.1
September	84.0	61.4	0.73	83.7	58.1	123.2	118.9	8	7.8
October	73.5	53.3	0.73	85.0	58.6	123.3	119.2	9	7.4
November	89.2	61.8	0.69	87.3	59.7	120.9	120.1	6	7.3
December	60.4	40.8	0.68	88.0	59.6	108.4	120.1	3	7.5
2013									
January	99.8	62.9	0.63	87.1	58.7	127.1	118.9	4	7.5
February	60.0	38.1	0.63	86.7	58.4	104.4	118.0	5	7.4
March	81.0	57.9	0.71	85.7	57.6	111.2	117.1	9	7.4
April	112.8	72.4	0.64	86.7	57.9	125.0	116.6	5	7.2
May	125.5	78.7	0.63	90.5	59.9	131.3	118.1	10	7.0
June	80.1	52.5	0.66	94.4	62.6	110.2	120.9	13	7.1
July	86.1	57.0	0.66	97.9	65.5	115.6	123.9	9	7.3
August	90.2	66.0	0.73	103.7	68.9	114.7	127.9	9	7.6
September	55.0	37.0	0.67	111.0	73.0	102.7	132.3	5	7.8
October	127.1	85.6	0.67	114.3	74.9	132.3	134.7	7	7.8
November	125.7	77.6	0.62	114.6	75.3	148.4	135.4	5	7.9
December	118.2	90.3	0.76	115.4	75.9	147.7	135.9	5	7.5
2014									
January	125.9	81.8	0.65	117.7	77.3	158.6	137.3	6	7.1
February	174.6	102.3	0.59			170.3		12	
March	141.1	91.9	0.65			149.9		6	
April	130.5	84.7	0.65			144.3		9	
May	116.8	75.2	0.64			130.0		7	
June	107.7	71.0	0.66			122.2		7	
July	113.6	72.5	0.64			137.3		5	

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 11 August 2014*

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.

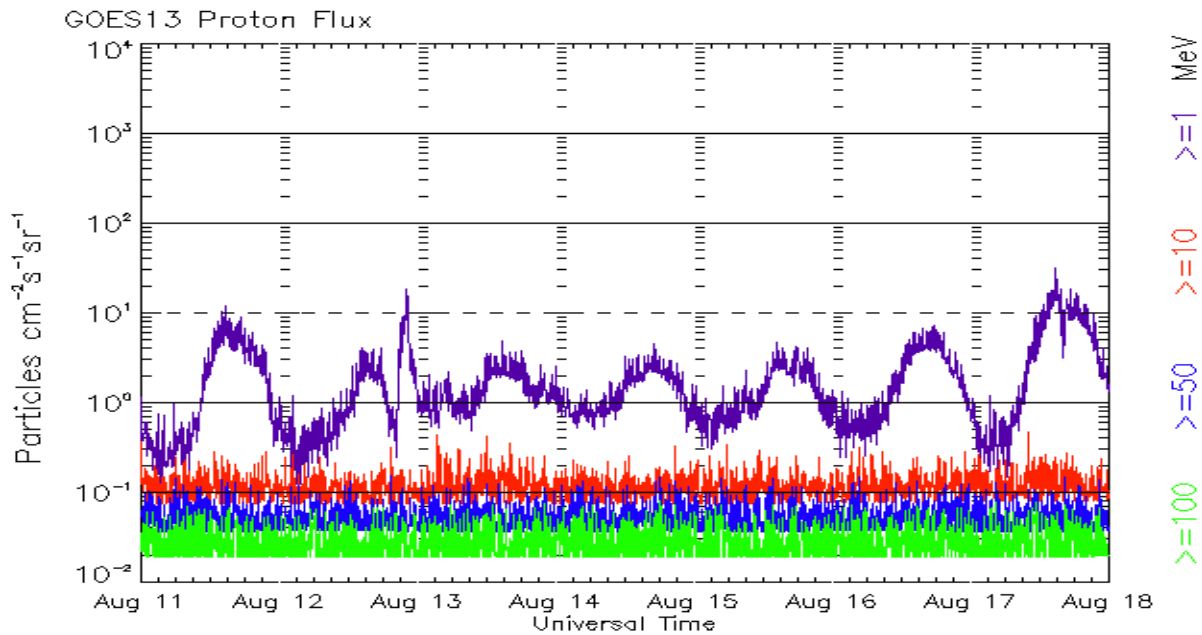
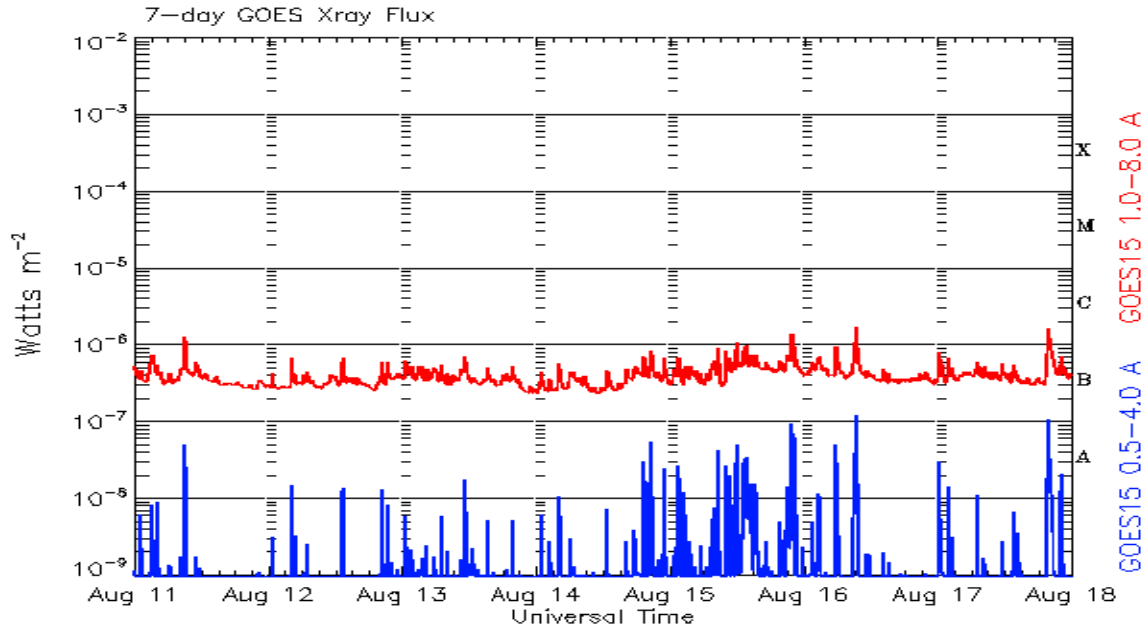
The electron flux plot contains the five-minute averaged integral electron flux (electrons/cm²-sec -sr) with energies greater than 2 MeV by the SWPC Primary GOES satellite.

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 11 August 2014*

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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