

Solar activity ranged from very low to low levels on 22-24 Aug with a majority of the flare activity originating from Region 3085 (S24, L=041, class/area Dko/280 on 25 Aug). Activity levels picked up on 25 Aug with weak M-class (R1-Minor) activity recorded from Regions 3088 (S27, L=300, class/area Dkc/650 on 27 Aug) and 3089 (S23, L=196, class/area Eki/320 on 27 Aug). A further increase in activity was observed on 26 Aug with moderate flaring (R2-Moderate) from Region 3089 in the form of an M7.2/1b flare at 26/1214 UTC.

27 Aug saw 4 M-class flares from Reg 3088, the largest an M4.8/Sf at 27/0240 UTC with associated Type II (657 km/s) and Type IV Sweeps and a 130 sfu 10cm Burst. R2-Moderate flare activity was then observed on 28 Aug in the form of an M6.7/Sf at 28/1619 UTC. Associated with this event was a Type IV Sweep and a 1800 sfu 10cm Burst. Throughout the later half of the highlight period, a variety of CMEs were seen lifting off the SW limb as observed in LASCO and STEREO coronagraph imagery. Initial analysis and model output all suggested weak glancing blow effects, if any, on 28-29 Aug.

The greater than 10 MeV at 10 pfu protons reached event levels (S1-Minor) this period as a result of a long duration M1.2/Sn flare from Rgn 3088 observed at 27/1138 UTC. The proton event started at 27/1155 UTC, peaked at 27/1220 UTC (27.5 pfu) and ended at 27/2145 UTC. Proton background levels remained elevated at the the end of the highlight period.

The greater than 2 MeV electron flux at geosynchronous orbit was at high levels on 22-27 Aug with a maximum flux reading of 4,360 pfu at 23/1455 UTC. Normal to moderate levels were observed on 28 Aug.

Geomagnetic field activity was at quiet to unsettled levels through midday on 27 Aug under a nominal wind environment. Unsettled to active levels were observed from midday on the 27th through midday on the 28th due to an enhanced total field to 10 nT and increased wind speeds to about 500 km/s, all due to a weak negative polarity CH HSS.

Space Weather Outlook **29 August - 24 September 2022**

Solar activity is expected to be at mostly very low to low levels, with a chance for (R1-R2, Minor-Moderate) flare activity, through 05 Sep after Rgn 3089 departs, and again from 11-24 Sep due to the return of old Rgns 3088 and 3089. Mostly very low to low flare activity is expected on 06-10 Sep.

There is a slight chance for a proton event on 29 Aug and from 11-24 Sep after the return of old Rgn 3088.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at moderate to



high levels on 31 Aug - 02 Sep, 05-12 Sep and 15-18 Sep due to CH HSS influence. Normal to moderate levels are expected for the remainder of the outlook period.

Geomagnetic field activity is expected to reach (G1-Minor) storm conditions on 29 Aug due to potential CME influence and on 05 Sep due to positive polarity CH HSS influence. Unsettled to active periods are expected on 30-31 Aug, 04-10 Sep, 13-17 Sep and 24 Sep due to recurrent CH HSSs. Mostly quiet levels are expected for the remainder of the outlook period.



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
22 August	103	44	280	B3.3	10	0	0	12	0	0	0	0
23 August	101	52	380	B2.0	1	0	0	1	0	0	0	0
24 August	108	46	400	B2.4	0	0	0	1	0	0	0	0
25 August	118	94	840	B5.7	16	2	0	12	3	0	0	0
26 August	119	88	830	C1.6	10	3	0	18	7	0	0	0
27 August	128	84	1120	C1.7	13	4	0	35	2	0	0	0
28 August	252	79	660	C2.5	9	3	0	15	1	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	
	22 August	4.8e+04	2.9e+04	1.7e+08
23 August	5.1e+04	3.0e+04	2.6e+08	
24 August	1.3e+05	3.0e+04	1.9e+08	
25 August	1.3e+05	2.9e+04	1.8e+08	
26 August	3.2e+05	3.1e+04	1.8e+08	
27 August	7.6e+07	6.7e+05	2.4e+07	
28 August	1.0e+08	2.0e+05	1.5e+06	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	22 August	7	3-2-2-2-2-1-2-1	9	3-4-2-3-1-1-1-0	7
23 August	3	0-1-0-1-2-0-1-2	2	1-1-0-1-1-0-1-1	4	1-1-1-1-1-0-0-2
24 August	4	1-0-1-2-2-1-1-1	1	1-1-0-0-0-0-0-1	3	1-0-1-1-1-1-0-1
25 August	5	1-1-1-2-2-1-1-2	2	1-1-0-0-2-0-0-1	5	1-1-2-2-2-1-1-2
26 August	5	1-1-1-1-2-2-2-1	1	1-1-0-0-0-0-0-0	5	1-2-1-1-1-1-1-2
27 August	11	1-1-1-3-4-2-3-3	15	1-1-1-4-5-3-3-2	14	2-1-2-4-4-3-3-3
28 August	7	1-1-1-2-3-3-2-1	17	2-2-2-6-3-2-2-1	7	2-1-2-3-2-2-2-1

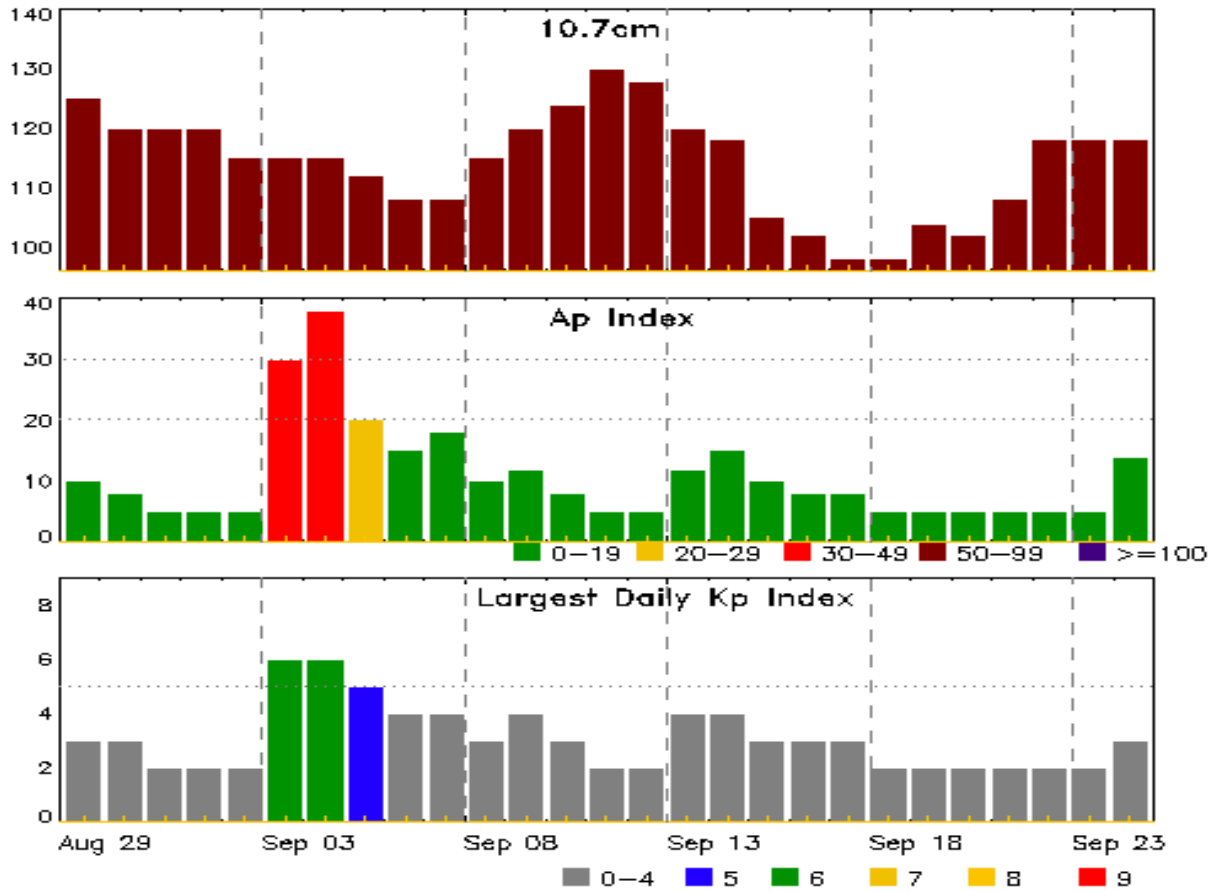


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
22 Aug 0506	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	19/1300
23 Aug 0459	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	19/1300
24 Aug 0459	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	19/1300
25 Aug 0459	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	19/1300
26 Aug 0459	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	19/1300
26 Aug 1218	ALERT: X-ray Flux exceeded M5	26/1213
26 Aug 1534	SUMMARY: X-ray Event exceeded M5	26/1208 - 1526
27 Aug 0239	ALERT: Type II Radio Emission	27/0212
27 Aug 0353	SUMMARY: 10cm Radio Burst	27/0237 - 0242
27 Aug 0450	ALERT: Type IV Radio Emission	27/0212
27 Aug 0912	WATCH: Geomagnetic Storm Category G1 predicted	
27 Aug 1151	WARNING: Geomagnetic K = 4	27/1150 - 1800
27 Aug 1201	ALERT: Geomagnetic K = 4	27/1159
27 Aug 1202	WARNING: Proton 10MeV Integral Flux $>$ 10pfu	27/1201 - 1800
27 Aug 1214	ALERT: Proton Event 10MeV Integral Flux \geq 10pfu	27/1200
27 Aug 1245	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	19/1300
27 Aug 1739	EXTENDED WARNING: Geomagnetic K = 4	27/1150 - 2359
27 Aug 1740	EXTENDED WARNING: Proton 10MeV Integral Flux $>$ 10pfu	27/1201 - 2359
27 Aug 2354	EXTENDED WARNING: Geomagnetic K = 4	27/1150 - 28/1200
28 Aug 0126	SUMMARY: Proton Event 10MeV Integral Flux \geq 10pfu	27/1155 - 2145
28 Aug 1105	EXTENDED WARNING: Geomagnetic K = 4	27/1150 - 28/2100
28 Aug 1612	ALERT: X-ray Flux exceeded M5	28/1609
28 Aug 1635	ALERT: Type IV Radio Emission	28/1607
28 Aug 1702	SUMMARY: X-ray Event exceeded M5	28/1548 - 1646
28 Aug 2027	SUMMARY: 10cm Radio Burst	28/1720 - 2001



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
29 Aug	125	10	3	12 Sep	128	5	2
30	120	8	3	13	120	12	4
31	120	5	2	14	118	15	4
01 Sep	120	5	2	15	105	10	3
02	115	5	2	16	102	8	3
03	115	30	6	17	98	8	3
04	115	38	6	18	98	5	2
05	112	20	5	19	104	5	2
06	108	15	4	20	102	5	2
07	108	18	4	21	108	5	2
08	115	10	3	22	118	5	2
09	120	12	4	23	118	5	2
10	124	8	3	24	118	14	3
11	130	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
25 Aug	1939	1951	2002	M1.8	0.015							
25 Aug	2321	2327	2332	M1.0	0.007	1N	S20E61	3089				
26 Aug	1041	1055	1105	M2.1	0.016	1N	S22E52	3089				
26 Aug	1208	1214	1221	M7.2	0.031	1B	S22E51	3089				
26 Aug	1224	1231	1238	M5.3	0.040			3089				
27 Aug	0152	0240	0305	M4.8	0.130	SF	S19W58	3088	340	130	1	1
27 Aug	1129	1138	1143	M1.2	0.006	SN	S28W66	3088				
27 Aug	1513	1525	1530	M1.1	0.008	SF	S28W71	3088				
27 Aug	1545	1558	1621	M1.8	0.027			3088				
28 Aug	0047	0134	0138	M1.4	0.028			3088				
28 Aug	1548	1619	1646	M6.7	0.140	SF	S28W80	3088	100			1
28 Aug	1820	1832	1850	M4.6	0.063			3088				

Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
22 Aug	0014	0022	0026	B4.8			3078
22 Aug	0059	0105	0119	B5.2			
22 Aug	0212	0222	0236	B8.0			
22 Aug	0314	0321	0325	B4.7			
22 Aug	0416	0422	0430	B4.0	SF	N09W68	3081
22 Aug	0626	0636	0643	C1.5			3085
22 Aug	0655	0700	0705	C1.7			3085
22 Aug	0725	0731	0738	C1.1	SF	N31E13	3085
22 Aug	0826	0832	0837	B5.0			
22 Aug	0840	0846	0851	B5.9			
22 Aug	0919	0929	0944	C1.2			3085
22 Aug	1015	1017	1019		SF	N09W71	3081
22 Aug	1023	1035	1043		SF	N31E13	3085
22 Aug	1045	1057	1104	B7.3			
22 Aug	1158	1203	1208	C1.4	SF	N31E10	3085
22 Aug	1221	1224	1226		SF	N31E10	3085
22 Aug	1258	1305	1318	B5.0			
22 Aug	B1315	1408	1523		SF	N31E06	3085
22 Aug	1344	1349	1351	B8.1	SF	N31E09	3085



Flare List

Date	Time			X-ray Class	Optical			Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD		
22 Aug	1401	1409	1414	C5.0				3085
22 Aug	1625	1628	1634		SF	S16W68		
22 Aug	1728	1736	1744	C1.2	SF	S11W26		3084
22 Aug	1808	1820	1840	C1.2	SF	N30E05		3085
22 Aug	1931	1938	1945	C3.4				3085
22 Aug	2043	2055	2108	C2.9	SF	N30E05		3085
22 Aug	2134	2137	2141	B9.1				3085
22 Aug	2147	2155	2159	B8.7				3085
22 Aug	2205	2211	2216	B6.4				3085
22 Aug	2331	2341	2347	B5.2				3081
22 Aug	2353	0000	0004	B5.6				
23 Aug	0039	0047	0052	B5.0				3085
23 Aug	0200	0211	0217	C1.3				3086
23 Aug	0515	0524	0534	B4.5	SF	S23E54		3086
23 Aug	0854	0902	0906	B7.7				3081
23 Aug	1348	1354	1401	B3.0				
23 Aug	1532	1540	1549	B5.8				
23 Aug	1821	1828	1842	B3.8				
23 Aug	1932	1940	1946	B5.2				
24 Aug	0144	0151	0158	B3.0				3085
24 Aug	0716	0721	0732	B3.0				
24 Aug	1034	1037	1042	B5.1				
24 Aug	1323	1330	1334	B7.5				
24 Aug	1357	1358	1402		SF	S28W26		
24 Aug	1824	1835	1853	B6.4				
25 Aug	0020	0029	0039	B7.5				
25 Aug	0041	0046	0057		SF	S25W34		
25 Aug	0354	0404	0412	C1.3	SF	S22E70		3089
25 Aug	0554	0608	0617	C2.0	SF	S22E70		3089
25 Aug	0659	0704	0713	C1.3				3088
25 Aug	0804	0808	0812	B8.2				3085
25 Aug	0932	0936	0942	C1.8				3088
25 Aug	0953	1001	1005	C3.6				3089
25 Aug	1108	1119	1124	C2.0	SF	S23E68		3089
25 Aug	1129	1134	1141		SF	S28W39		3088
25 Aug	1144	1152	1214	C1.4	SF	S28W39		3088
25 Aug	1229	1232	1245		SF	S28W39		3088
25 Aug	1248	1256	1311	B9.0				



Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/Brtns	Location Lat CMD	Rgn #
25 Aug	1341	1946	2105		1N	S28W42	3088
25 Aug	1344	1356	1403	C1.7	1N	S20E63	3089
25 Aug	1419	1426	1431	C1.5			3088
25 Aug	1507	1516	1524	C1.7			3088
25 Aug	1540	1548	1554	C2.4			3089
25 Aug	1630	1640	1650	C3.2			3089
25 Aug	1716	1721	1727	C1.9			3089
25 Aug	1749	1758	1813	C7.3			3089
25 Aug	1903	1909	1914	C8.0			3088
25 Aug	1939	1951	2002	M1.8			3088
25 Aug	2057	2057	2102		SF	S20E63	3089
25 Aug	2111	2114	2128		SF	S20E63	3089
25 Aug	2206	2207	2209		SF	S28W45	3088
25 Aug	2207	2208	2209		SF	S20E63	3089
25 Aug	2211	2318	A2359		1N	S20E61	3089
25 Aug	2309	2319	2321	C9.1			3088
25 Aug	2321	2327	2332	M1.0			3089
25 Aug	2322	2336	2340		SN	S28W45	3088
26 Aug	B0000	2318	0026		1F	S20E61	3089
26 Aug	0030	0031	0035		SF	S28W45	3088
26 Aug	0119	0126	0130	C2.7			3088
26 Aug	0213	0235	0242	C2.4			3089
26 Aug	0236	0518	A1000		1N	S25W45	3088
26 Aug	0300	0301	0307		SF	S23E59	3089
26 Aug	0400	0410	0417	C2.3			3089
26 Aug	0419	0420	0422		SF	S23E59	3089
26 Aug	0458	0459	0501		SF	S23E59	3089
26 Aug	0511	0519	0523	C4.7			3088
26 Aug	0536	0536	0541		SF	S23E59	3089
26 Aug	0607	0628	0645	C7.2	1N	S29W58	3088
26 Aug	0724	0730	0734	C3.4	SF	S21E57	3089
26 Aug	0831	0849	0911	C5.2	SF	S21E55	3089
26 Aug	0906	0907	0910		SF	S23E59	3089
26 Aug	0927	0936	0945		SF	S23E59	3089
26 Aug	0932	0936	0942		SF	S21E55	3089
26 Aug	1033	1039	1041	C2.1			3089
26 Aug	1041	1055	1105	M2.1	1N	S22E52	3089
26 Aug	1208	1214	1221	M7.2	1B	S22E51	3089



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
26 Aug	1224	1231	1238	M5.3			3089
26 Aug	1332	1521	1803		1F	S27W56	3088
26 Aug	1533	1535	1542		SF	N29W44	3085
26 Aug	1547	1711	1745		1F	S22E49	3089
26 Aug	1548	1550	1552		SF	S21E51	3089
26 Aug	1809	1818	1826	C4.9	SF	S27W56	3088
26 Aug	1921	2109	2138		SF	S22E49	3089
26 Aug	2128	2129	2139		SF	N31W47	3085
26 Aug	2153	2156	2157		SF	S22E47	3089
26 Aug	2232	2235	2240	C3.4	SF	S23E45	3089
26 Aug	2255	2255	2342		SF	S24E46	3089
27 Aug	0041	0052	0057	C3.4			3088
27 Aug	0047	0049	0056		SF	S19W58	3088
27 Aug	0057	0105	0114	C5.0			3088
27 Aug	0100	0104	0111		SF	S19W58	3088
27 Aug	0128	0133	0136		SF	S23E47	3089
27 Aug	0152	0240	0305	M4.8	SF	S19W58	3088
27 Aug	B0504	U0508	0540		SF	N30W50	3085
27 Aug	B0505	U0514	0644		SF	S29W63	3088
27 Aug	0512	0513	0517		SF	S19W58	3088
27 Aug	0553	0554	0557		SF	S23E45	3089
27 Aug	0606	0610	0614	C5.4			3088
27 Aug	0653	0702	0706	C8.8	SF	S30W66	3088
27 Aug	0701	0701	0707		SF	S19W58	3088
27 Aug	0727	0727	0730		SF	S30W66	3088
27 Aug	0747	0751	0755	C5.6	SF	S29W64	3086
27 Aug	0749	0750	0754		SF	S19W58	3088
27 Aug	0828	0832	0836		SF	S30W66	3088
27 Aug	0852	0900	0903		SF	S30W66	3088
27 Aug	0859	0900	0902		SF	S19W58	3088
27 Aug	0907	0907	0910		SF	S29W67	3088
27 Aug	0911	0916	0921	C4.4	SF	S32W73	3088
27 Aug	0952	0953	0955		SF	S28W67	3088
27 Aug	1007	1007	1009		SF	S31W74	3088
27 Aug	1038	1041	1044		SF	S29W65	3088
27 Aug	1049	1050	1053		SF	S28W64	3088
27 Aug	1056	1104	1112		SF	S28W66	3088
27 Aug	1129	1138	1143	M1.2	SN	S28W66	3088



Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical		Rgn #
	Begin	Max	End			Location Lat CMD		
27 Aug	1200	1206	1210	C4.4	SF	S28W64		3088
27 Aug	1216	1219	1222		SF	S28W64		3088
27 Aug	1226	1230	1239		SF	S29W66		3088
27 Aug	1241	1248	1252	C8.8	SF	S29W66		3088
27 Aug	1306	1313	1317	C9.6				3088
27 Aug	B1413	U1417	A1419		SF	S29W66		3088
27 Aug	B1433	U1445	A1502		SF	S22W03		3086
27 Aug	1454	1459	1503	C5.2	1N	S28W70		3088
27 Aug	1504	1506	1508		SF	S28W66		3088
27 Aug	1513	1525	1530	M1.1	SF	S28W71		3088
27 Aug	1545	1558	1621	M1.8				3088
27 Aug	1942	1949	2221		SF	S22E36		3089
27 Aug	1949	1950	2222		1F	S28W70		3088
27 Aug	2038	2045	2051	C4.4				3088
27 Aug	2111	2115	2119	C3.0				3088
27 Aug	2136	2139	2144	C5.1				3088
27 Aug	2247	2310	2311		SF	S22E34		3089
27 Aug	2324	2325	2330		SF	S27W72		3088
28 Aug	0010	0019	0022		SF	S27W72		3088
28 Aug	0047	0134	0138	M1.4				3088
28 Aug	0147	0147	0152		SF	S19W70		3088
28 Aug	0232	0241	0250	C7.4				3088
28 Aug	0331	0339	0401	C4.5				3088
28 Aug	0434	0435	0437		SF	S19W70		3088
28 Aug	0445	0446	0448		SF	S19W70		3088
28 Aug	0544	0552	0559	C3.0	1N	S28W77		3088
28 Aug	0650	0653	0659	C3.3				3089
28 Aug	0659	0707	0711	C5.3	SF	S28W77		3088
28 Aug	0724	0748	0809	C9.9	SF	S29W84		3088
28 Aug	0812	0813	0816		SF	S19W74		3088
28 Aug	0818	0821	0831		SF	S19W74		3088
28 Aug	0913	0917	0920		SF	S29W83		3088
28 Aug	0929	0930	0936		SF	S28W79		3088
28 Aug	0930	0930	0932		SF	S19W74		3088
28 Aug	B1022	U1033	A1056		SF	S29W83		3088
28 Aug	1117	1125	1138	C3.1				3088
28 Aug	1322	1341	1353	C5.3	SF	S21E28		3088
28 Aug	1322	1522	1526		SF	S28W83		3088



Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
28 Aug	1548	1619	1646	M6.7	SF	S28W80	3088
28 Aug	1820	1832	1850	M4.6			3088
28 Aug	2333	2336	2340	C7.5			3088



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 3078																		
10 Aug	S22E58	33	50	1	Hax	1	A											
11 Aug	S27E45	33	80	1	Hsx	1	A											
12 Aug	S25E32	33	30	1	Cao	3	B											
13 Aug	S25E20	31	20	3	Hax	2	A	1										
14 Aug	S25E06	32	60	3	Cao	5	B	4				5						
15 Aug	S24W05	30	230	4	Dac	12	BGD	6	2			4	2					
16 Aug	S23W18	30	270	5	Dao	10	BGD	12	2			4	1					
17 Aug	S20W34	33	190	5	Dac	10	BGD	8	2			6	1					
18 Aug	S24W47	33	210	6	Dac	14	BGD	15	3			10	3					
19 Aug	S24W62	34	210	6	Dac	14	BGD	10	1			2	4					
20 Aug	S24W74	33	30	3	Dai	6	BG					1						
21 Aug	S24W88	34	plage					1				1						
								57	10	0		33	11	0	0	0		

Crossed West Limb.
Absolute heliographic longitude: 30

Region 3081																		
13 Aug	N10E44	7	240	4	Dai	9	B					2						
14 Aug	N10E31	7	160	7	Dai	13	B	2				3						
15 Aug	N12E18	6	220	8	Dao	16	BG	1				1						
16 Aug	N12E04	8	120	9	Dao	10	BG											
17 Aug	N11W08	6	150	9	Cao	9	B											
18 Aug	N11W23	9	120	7	Cao	9	B	4				3						
19 Aug	N16W38	10	110	4	Cao	4	B	2				1						
20 Aug	N11W52	10	90	3	Hax	4	A											
21 Aug	N11W66	12	90	2	Hax	5	A	1				2						
22 Aug	N13W79	11	120	2	Hax	2	A					2						
								10	0	0		14	0	0	0	0		

Crossed West Limb.
Absolute heliographic longitude: 8



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 3082																				
16 Aug	N27E49	323	10	4	Bxo	3	B													
17 Aug	N23E37	321	80	6	Dao	7	B	7				15								
18 Aug	N27E22	324	50	7	Dao	4	B													
19 Aug	N23E15	321	40	8	Cao	2	B													
20 Aug	N28E02	317	10	8	Cro	2	B													
21 Aug	N28W11	317	10	9	Cro	2	B													
22 Aug	N29W24	316	10	1	Axx	1	A													
23 Aug	N29W37	316	plage																	
24 Aug	N29W51	317	plage																	
25 Aug	N29W65	318	plage																	
26 Aug	N29W79	319	plage																	
								7	0	0	15	0	0	0	0	0	0	0	0	

Crossed West Limb.
 Absolute heliographic longitude: 317

Region 3084																				
18 Aug	S09E18	328	20	3	Bxo	3	B													
19 Aug	S11E01	331	20	3	Bxo	2	B													
20 Aug	S09W12	331	10	4	Bxo	4	B					1								
21 Aug	S11W19	325	10	8	Bxo	3	B													
22 Aug	S07W33	324	plage					1				1								
23 Aug	S07W48	327	plage																	
24 Aug	S07W63	329	plage																	
25 Aug	S07W78	331	plage																	
								1	0	0	2	0	0	0	0	0	0	0	0	

Crossed West Limb.
 Absolute heliographic longitude: 331



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 3085																							
21 Aug	N29E16		290	50	5	Dao	6	B	2				1										
22 Aug	N30E01		291	150	7	Dso	11	B	9				8										
23 Aug	N25W08		287	250	8	Dki	15	B															
24 Aug	N30W21		287	260	8	Dko	10	B															
25 Aug	N32W35		287	280	9	Dko	10	B															
26 Aug	N30W49		289	140	8	Dso	4	B					2										
27 Aug	N30W62		289	100	8	Cso	2	B					1										
28 Aug	N30W76		290	80	5	Hsx	1	A															
									11	0	0	12	0	0	0	0	0						

Still on Disk.

Absolute heliographic longitude: 291

Region 3086																							
23 Aug	S21E44		235	90	4	Cao	6	B	1														
24 Aug	S24E28		238	100	6	Dso	5	B															
25 Aug	S24E14		238	120	8	Dso	3	B															
26 Aug	S22E01		239	50	8	Dao	6	B															
27 Aug	S22W12		239	70	5	Cai	8	B	1				2										
28 Aug	S23W25		239	30	6	Cro	6	B															
									2	0	0	2	0	0	0	0	0						

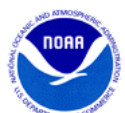
Still on Disk.

Absolute heliographic longitude: 239

Region 3087																							
23 Aug	S15E65		214	40	2	Hax	1	A															
24 Aug	S17E53		213	40	1	Hax	1	A															
25 Aug	S16E38		213	40	1	Hax	1	A															
26 Aug	S13E26		214	30	1	Hrx	1	A															
27 Aug	S14E13		214	20	1	Hrx	1	A															
28 Aug	S14W01		215	10	1	Axx	1	A															
									0	0	0	0	0	0	0	0	0						

Still on Disk.

Absolute heliographic longitude: 215



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 3088																	
25 Aug	S26W45		298	240	6	Dai	10	B	7	1		5	1				
26 Aug	S28W58		298	420	7	Dkc	15	B	4			2	3				
27 Aug	S27W73		300	650	7	Dkc	9	BG	12	4		28	2				
28 Aug	S27W87		301	220	6	Dkc	4	BG	8	3		15	1				
									31	8	0	50	7	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 298

Region 3089																	
25 Aug	S24E56		196	150	6	Dsi	9	B	9	1		4	2				
26 Aug	S21E44		196	190	8	Dai	12	BG	6	3		14	4				
27 Aug	S22E31		196	280	7	Dki	14	B				4					
28 Aug	S23E18		196	320	11	Eki	17	BD	1								
									16	4	0	22	6	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 196

Region 3090																	
25 Aug	N14E60		191	10		Axx	1	A									
26 Aug	N16E48		192	plage													
27 Aug	N16E34		193	plage													
28 Aug	N16E20		194	plage													
									0	0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 194



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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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