

Solar activity ranged from low to moderate levels during the period. C-class flares were the primary background from 03-09 October due to activity from numerous active regions. More notable were the few M-class flares that occurred during the period. An M2.6 on 03 Oct at 0233 UTC from Region 3112 (N23E46, Fkc/Beta-Gamma-Delta), with an associated Tenflare of 170 sfu, was the first of the reporting period followed by an M4.2 at 1011 UTC from Region 3110 (N18W65, Dai/Beta), which was the largest of the period. Next were an M1.5 at 1111 UTC and a M1.6 at 1530 UTC from Regions 3110 and 3112 respectively. Region 3110 (N18W79, Dai/Beta) continued to be active on 04 Oct with an M1.6 flare at 1308 UTC, which came with an associated Type IV Radio Emission at 1307 UTC. The subsequent CME from this event was determined to be off the Sun-Earth line. Activity simmered down slightly 05-06 Oct with only C-class level activity. On 07 Oct Region 3116 (N29W00, Dai/Beta) produced an M1 flare at 1444 UTC. Other notable activity on 07 Oct included an approximately 20 degree long, eruptive filament near the NW limb at 0706 UTC. This event was determined to have a glancing impact, mostly ahead of Earth on 12 Oct. Activity decreased slightly once more on 08 Oct with Region 3112 (N22W16, Fki/Beta-Gamma-Delta) returning to prominence with a C6.6 flare at 0040 UTC. Activity continued at C-class levels over the course of 09 Oct with a CME observed emerging from the SE limb around 0200 UTC which was determined to be a miss south of Earth.

No proton events were observed at geosynchronous orbit.

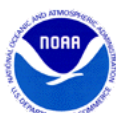
The greater than 2 MeV electron flux at geosynchronous orbit was at normal to moderate levels 03-04 Oct. High levels were reached in response to positive polarity CH HSS effects 05-09 Oct with a peak flux of 3,560 pfu observed on 08 Oct at 1640 UTC.

Geomagnetic field activity was primarily quiet to active with an isolated G1 (Minor) storming period observed on 03 Oct. The aforementioned stormy period occurred late on 03 Oct in response to positive polarity CH HSS effects coupled with a likely CME arrival from the 28 Sep event. Quiet to active conditions then continued under sustained fast solar wind through 07 Oct. Quiet to unsettled conditions dominated 08 Oct. Active conditions returned 09 Oct as faster solar wind renewed itself underseemingly positive polarity CH HSS influence.

Space Weather Outlook **10 October - 05 November 2022**

Solar activity is expected to be low with a chance for M-class flares and a slight chance for X-class flares 10-15 Oct. Probabilities will decrease slightly 16-17 Oct, but a chance for M-class flares will remain. A slight chance for X-class flares is expected to return on 18 Oct with the return of an old active region. Probabilities will remain elevated through 31 Oct until the aforementioned, anticipated returning region once again exits the visible disk. Relatively low solar activity is then expected for the remainder of the forecast period.

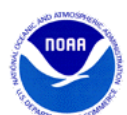
A slight chance for solar radiation storms is expected to be present 13-14 Oct as Region 3112



exits the western limb and for 29-31 Oct as another anticipated, returning region rotates into a favorable position as well.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to remain at high levels through 14 Oct and then return once again 28 Oct - 05 Nov due to recurrent positive polarity CH HSS effects. Normal to moderate levels are expected for 15-27 Oct.

Geomagnetic field activity is likely to reach G1 (Minor) storming levels on 10 Oct in response to CH HSS influence. Unsettled to active levels are anticipated for 11-12 Oct due to continued CH HSS effects and possible glancing influence from the 07 Oct CME event. Active conditions are expected 15-16 and 20-21 Oct due to recurrent, negative polarity CH HSSs. Unsettled to active levels are expected 27 Oct - 05 Nov, with isolated G1 (Minor) storming periods possible 30 Oct and 05 Nov, due to recurrent, positive polarity CH HSSs. Mostly quiet levels are expected to prevail 13-14 Oct, 17-19 Oct and 22-26 Oct.



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
03 October	155	144	1150	C1.7	9	6	0	15	1	2	0	0
04 October	152	153	1220	C1.1	5	0	0	9	0	0	0	0
05 October	161	151	1210	C1.0	6	0	0	7	0	0	0	0
06 October	156	139	1140	B8.4	6	0	0	3	0	0	0	0
07 October	160	146	850	B8.6	7	1	0	5	1	0	0	0
08 October	157	137	790	B7.8	8	0	0	10	0	0	0	0
09 October	161	114	740	B9.9	10	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	>2MeV	
	03 October	5.1e+06	4.2e+04	6.2e+06
04 October	2.7e+05	3.0e+04	8.9e+06	
05 October	1.3e+05	3.0e+04	5.0e+07	
06 October	7.9e+04	3.1e+04	6.2e+07	
07 October	7.3e+04	3.2e+04	1.1e+08	
08 October	1.3e+05	3.2e+04	1.3e+08	
09 October	2.2e+05	3.1e+04	1.1e+08	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	03 October	16	3-3-2-2-4-3-4-3	33	3-4-4-1-6-5-5-3	24
04 October	13	2-3-4-2-2-2-3-3	18	2-5-5-4-1-1-2-1	16	3-4-4-3-1-2-4-3
05 October	11	1-3-2-2-3-2-3-3	15	2-3-4-3-4-3-2-2	14	3-3-3-2-2-3-4-3
06 October	14	2-2-3-2-4-3-4-2	27	2-2-5-5-5-4-3-3	18	3-3-4-2-3-3-4-4
07 October	12	3-3-2-2-4-3-2-1	26	3-3-5-4-5-5-1-1	15	4-4-3-3-3-3-1-1
08 October	10	1-2-3-2-3-3-2-2	23	2-2-4-5-5-4-3-2	12	2-3-3-2-3-3-3-2
09 October	18	4-4-3-3-3-3-3-3	38	3-4-6-5-6-4-3-3	32	4-4-4-4-4-4-4-4



Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
03 Oct 0320	WATCH: Geomagnetic Storm Category G2 predicted	
03 Oct 0405	SUMMARY: 10cm Radio Burst	03/0229 - 0230
03 Oct 1238	WARNING: Geomagnetic K = 4	03/1240 - 2359
03 Oct 1310	WARNING: Geomagnetic K = 5	03/1310 - 1800
03 Oct 1424	ALERT: Geomagnetic K = 4	03/1420
03 Oct 1936	WARNING: Geomagnetic K = 5	03/1935 - 2359
03 Oct 1954	ALERT: Geomagnetic K = 5	03/1953
03 Oct 1957	WARNING: Geomagnetic K = 6	03/1956 - 2359
03 Oct 2347	EXTENDED WARNING: Geomagnetic K = 5	03/1935 - 04/0600
03 Oct 2347	EXTENDED WARNING: Geomagnetic K = 4	03/1240 - 04/0900
04 Oct 0639	EXTENDED WARNING: Geomagnetic K = 4	03/1240 - 04/1800
04 Oct 0641	WARNING: Geomagnetic K = 5	04/0640 - 1500
04 Oct 1324	ALERT: Type IV Radio Emission	04/1307
04 Oct 1928	WARNING: Geomagnetic K = 4	04/1928 - 05/0300
04 Oct 1936	WARNING: Geomagnetic K = 5	04/1935 - 05/0259
04 Oct 1937	ALERT: Geomagnetic K = 4	04/1935
05 Oct 0253	EXTENDED WARNING: Geomagnetic K = 4	04/1928 - 05/1200
05 Oct 1601	ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1535
05 Oct 1645	WARNING: Geomagnetic K = 4	05/1645 - 06/0300
05 Oct 2101	ALERT: Geomagnetic K = 4	05/2059
06 Oct 0730	WARNING: Geomagnetic K = 4	06/0730 - 1500
06 Oct 0826	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1535
06 Oct 0902	ALERT: Geomagnetic K = 4	06/0859
06 Oct 1440	EXTENDED WARNING: Geomagnetic K = 4	06/0730 - 2359
06 Oct 2029	WARNING: Geomagnetic K = 5	06/2030 - 2359
06 Oct 2353	EXTENDED WARNING: Geomagnetic K = 4	06/0730 - 07/0600
07 Oct 0432	WARNING: Geomagnetic K = 5	07/0431 - 0900
07 Oct 0432	EXTENDED WARNING: Geomagnetic K = 4	06/0730 - 07/1500

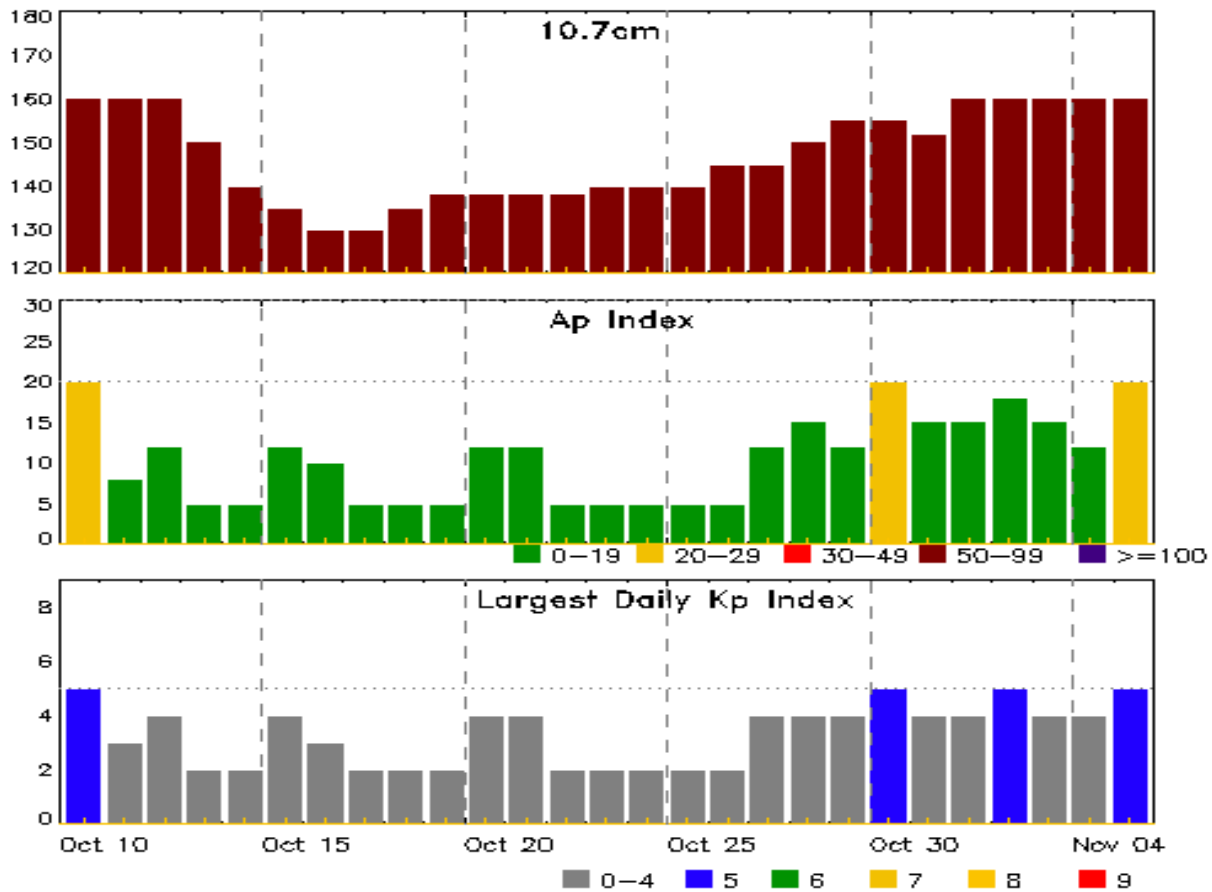


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
07 Oct 0500	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1535
07 Oct 1447	EXTENDED WARNING: Geomagnetic K = 4	06/0730 - 07/2359
08 Oct 0627	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1535
08 Oct 0736	WARNING: Geomagnetic K = 4	08/0735 - 1500
08 Oct 1456	EXTENDED WARNING: Geomagnetic K = 4	08/0735 - 2359
09 Oct 0140	WARNING: Geomagnetic K = 4	09/0139 - 0900
09 Oct 0229	ALERT: Geomagnetic K = 4	09/0229
09 Oct 0242	WARNING: Geomagnetic K = 5	09/0242 - 0600
09 Oct 0505	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1535
09 Oct 0815	EXTENDED WARNING: Geomagnetic K = 4	09/0139 - 1500
09 Oct 1454	EXTENDED WARNING: Geomagnetic K = 4	09/0139 - 10/0300
09 Oct 2111	WATCH: Geomagnetic Storm Category G1 predicted	



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
10 Oct	160	20	5	24 Oct	140	5	2
11	160	8	3	25	140	5	2
12	160	12	4	26	145	5	2
13	150	5	2	27	145	12	4
14	140	5	2	28	150	15	4
15	135	12	4	29	155	12	4
16	130	10	3	30	155	20	5
17	130	5	2	31	152	15	4
18	135	5	2	01 Nov	160	15	4
19	138	5	2	02	160	18	5
20	138	12	4	03	160	15	4
21	138	12	4	04	160	12	4
22	138	5	2	05	160	20	5
23	140	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
03 Oct	0219	0233	0302	M2.6	0.040	SF	N23E64	3112				170
03 Oct	0938	1011	1027	M4.2	0.072			3110	140			
03 Oct	1103	1111	1119	M1.5	0.011			3110				
03 Oct	1520	1530	1540	M1.6	0.013	1N	N24E54	3112				
03 Oct	1957	2028	2052	M1.2	0.031				1100		120	
03 Oct	2111	2122	2131	M1.7	0.015							
04 Oct	1248	1315	1351	M1.6	0.039	SN	N17W66	3110	2200			2
07 Oct	1421	1444	1532	M1.0	0.036	1F	N29E10	3116				

Flare List

Date	Time			X-ray Class	Imp/ Brtns	Location	Rgn #
	Begin	Max	End				
03 Oct	0219	0233	0302	M2.6	SF	N23E64	3112
03 Oct	0340	0351	0401	C6.3			3112
03 Oct	B0550	0551	0555		SF	N24E61	3112
03 Oct	B0559	U1010	A1201		2N	N18W56	3110
03 Oct	0628	0952	A1013		2F	N16W51	3110
03 Oct	0712	0723	0732	C7.5			3110
03 Oct	0805	0814	0822	C3.4	SF	N24E60	3112
03 Oct	B0831	U0831	A0837		SF	N17W44	3113
03 Oct	0909	0920	0938	C5.1			3110
03 Oct	0938	1011	1027	M4.2			3110
03 Oct	1103	1111	1119	M1.5			3110
03 Oct	B1129	U1137	A1143		SF	N24E57	3112
03 Oct	B1214	U1223	A1248	C4.3	SF	N18W59	3110
03 Oct	B1236	U1240	A1247		SF	N18W52	3113
03 Oct	B1251	U1251	A1259		SF	N24E58	3112
03 Oct	1311	U1317	1328	C2.9	SF	N18W60	3110
03 Oct	1341	1344	1347		SF	N18W61	3110
03 Oct	B1406	U1429	A1517		SF	N18W60	3110
03 Oct	B1416	U1421	A1506		SF	N24E57	3112
03 Oct	1444	1451	1458	C4.1			3110
03 Oct	1520	1530	1540	M1.6	1N	N24E54	3112
03 Oct	1741	1750	1758	C2.2			
03 Oct	1834	1839	1844	C2.4			3110



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
03 Oct	1957	2028	2052	M1.2			
03 Oct	2111	2122	2131	M1.7			
03 Oct	B2241	2243	2312		SF	N20W66	3110
03 Oct	B2241	2247	2328		SF	N23E55	3112
03 Oct	2321	2326	2342		SF	N20W66	3110
04 Oct	0037	0043	0056	C4.4	SF	N23E55	3112
04 Oct	0421	0427	0431	C2.1	SF	N23E55	3112
04 Oct	0524	0532	0539	C1.6	SF	N23E55	3112
04 Oct	B0545	U0555	0639		SF	N25E50	3112
04 Oct	0640	0647	0711		SF	N20W66	3110
04 Oct	0712	0727	0823		SF	N18W69	3110
04 Oct	0826	0836	0837		SF	N20W66	3110
04 Oct	0853	0945	0956		SF	N23E55	3112
04 Oct	1015	1025	1039		SF	N27E45	3112
04 Oct	1225	1244	1248	M1.6	SN	N17W66	3110
04 Oct	1438	1438	1441		SF	N22E47	3112
04 Oct	1509	1510	1520		SF	N18W75	3110
04 Oct	1926	1937	2003	C1.5			3110
04 Oct	2247	2256	2312	C1.4			3112
04 Oct	2323	2323	2325		SF	N24E43	3112
05 Oct	0151	0207	0224	C5.6	SF	N21E35	3112
05 Oct	0611	0619	0624	C3.8	SF	N22E38	3112
05 Oct	0805	0816	0839	C2.1	SF	N22E29	3112
05 Oct	1030	1040	1045	C1.3	SF	N22E37	3112
05 Oct	1107	1108	1110		SF	N22E30	3112
05 Oct	1154	1203	1208	C2.2	SF	N26E33	3112
05 Oct	1311	1316	1318		SF	N22E30	3112
05 Oct	2011	2019	2028	C2.7			
06 Oct	0157	0202	0207	C1.9	SF	N22E25	3112
06 Oct	0541	0546	0551	C1.3			
06 Oct	0828	0835	0844	C1.8	SF	N22E25	3112
06 Oct	1533	1539	1547	C1.7			3112
06 Oct	1824	1832	1841	C1.5			
06 Oct	2259	2313	2326	C2.9	SF	N28E14	3116
07 Oct	0206	0215	0234	C1.2			3112
07 Oct	0342	0349	0358	C1.2			3116
07 Oct	0408	0421	0432	C1.5			3112
07 Oct	0834	0850	0921		SF	N20W01	3112



Flare List

Date	Time			Optical			Rgn #
	Begin	Max	End	X-ray Class	Imp/Brtns	Location Lat CMD	
07 Oct	0947	0949	A0956		SF	N27E40	3119
07 Oct	B1109	U1142	A1249		SF	N29E10	3116
07 Oct	B1111	U1225	A1251		SF	N28E11	3112
07 Oct	1219	1231	1242	C3.4			3112
07 Oct	B1253	U1432	A1527	M1.0	1F	N29E10	3116
07 Oct	1849	1859	1909	C4.2			3112
07 Oct	2038	2046	2106	C1.4			3112
07 Oct	2201	2205	2209	C1.5			3116
07 Oct	2238	2241	2244		SF	N27E34	3119
08 Oct	0027	0040	0048	C6.6	SF	N24E01	3112
08 Oct	0324	0325	0328		SF	N07E49	3118
08 Oct	0612	0621	0641	C1.0			3119
08 Oct	0914	0921	0923		SF	N29E30	3119
08 Oct	0929	0938	0945	C2.9	SF	N24W03	3112
08 Oct	1140	1148	1200	C1.7	SF	N09E44	3118
08 Oct	1232	1238	1243		SF	N24W05	3112
08 Oct	1318	1319	1323		SF	N24W06	3112
08 Oct	1358	1401	1410		SF	N24W06	3112
08 Oct	1420	U1422	A1433		SF	N24W06	3112
08 Oct	1614	1629	1635	C1.7			3112
08 Oct	1846	1853	1900	C1.3			3116
08 Oct	1949	1956	2004	C1.1			3116
08 Oct	2128	2137	2146	C1.7			3116
08 Oct	2240	2248	2253		SF	S20W65	3115
09 Oct	0208	0225	0235	C2.1	SF	N23W11	3112
09 Oct	0405	0407	0408		SF	N23W11	3112
09 Oct	0629	0631	0635		SF	N27E21	3119
09 Oct	0743	0743	0749		SF	N23W11	3112
09 Oct	0800	0822	0835	C3.3	SF	N23W11	3112
09 Oct	0805	0813	1027	C3.4			3112
09 Oct	0915	0921	0930	C2.0	SF	N22W23	3112
09 Oct	1022	U1100	1133		SF	N23W15	3112
09 Oct	1027	1034	1046	C2.8			3112
09 Oct	1058	1102	1106	C2.3			3112
09 Oct	1312	1313	1317		SF	N28E16	3119
09 Oct	1410	1427	1456	C3.9			3112
09 Oct	1837	1847	1903	C2.0			3112
09 Oct	2146	2157	2205	C3.6	SF	N28E08	3119



Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
09 Oct	2211	2216	2224	C4.1			3119
09 Oct	B2226	2230	2254		SF	N29E10	3119



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 3107																		
21 Sep	S24E60	196	120	3	Dso	2	B	1	1									
22 Sep	S25E46	197	190	4	Cao	6	B	4				1						
23 Sep	S24E37	193	230	10	Cao	10	B	6				6						
24 Sep	S25E26	191	240	16	Fai	17	BG	8				10						
25 Sep	S25E13	191	240	15	Eai	17	B	4				2						
26 Sep	S25E01	189	220	14	Esi	33	B	5					1					
27 Sep	S24W13	190	200	13	Eai	27	BG	5				6						
28 Sep	S28W25	189	190	12	Eai	17	BG	8				6						
29 Sep	S24W39	190	160	12	Eai	8	B	1				2						
30 Sep	S24W53	191	100	7	Cai	7	B											
01 Oct	S25W68	193	30	6	Cri	6	B	2										
02 Oct	S25W82	193	30	1	Hsx	2	A	1				1						
								45	1	0	34	1	0	0	0			

Crossed West Limb.
Absolute heliographic longitude: 189

Region 3110																		
23 Sep	N16E72	158	160	5	Cao	4	B	2	1			1						
24 Sep	N16E59	158	240	9	Dsc	11	B	5				19						
25 Sep	N16E46	158	320	10	Dhi	9	B	6				3						
26 Sep	N15E35	154	300	10	Ehi	13	B					1						
27 Sep	N15E20	156	220	10	Cai	14	B											
28 Sep	N12E05	158	240	11	Cso	8	B											
29 Sep	N16W09	160	180	5	Cso	4	B											
30 Sep	N16W24	162	170	3	Hsx	1	A					2						
01 Oct	N17W38	163	160	4	Cso	5	B		1				1					
02 Oct	N17W52	163	180	4	Dao	10	B	6	1	1		7	1					
03 Oct	N18W65	163	180	6	Dai	10	B	6	2			6		2				
04 Oct	N18W79	164	180	7	Dai	6	B	1				3						
05 Oct	N21W93	163	60	3	Cso	2	B											
								26	5	1	42	2	2	0	0			

Crossed West Limb.
Absolute heliographic longitude: 158



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 3111																		
27 Sep	N27E68	109	100	1	Hax	1	A											
28 Sep	N24E54	109	130	1	Hsx	1	A											
29 Sep	N27E43	108	120	2	Hsx	1	A											
30 Sep	N27E30	108	100	2	Hsx	1	A	2				2						
01 Oct	N28E18	107	90	2	Hsx	3	A	1				1						
02 Oct	N28E04	107	70	2	Hsx	1	A											
03 Oct	N28W08	106	70	2	Hsx	1	A											
04 Oct	N28W21	106	60	2	Hsx	1	A											
05 Oct	N28W33	104	60	2	Hsx	1	A											
06 Oct	N28W47	105	50	1	Hsx	1	A											
07 Oct	N27W61	106	40	1	Hsx	1	A											
08 Oct	N27W73	105	20	1	Hsx	1	A											
09 Oct	N28W86	105	10	1	Axx	1	A											
								3	0	0	3	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 107

Region 3112																		
30 Sep	N20E76	62	100	5	Hsx	1	A	8	3									
01 Oct	N22E71	53	560	15	Eki	15	BGD	6										
02 Oct	N23E59	52	750	18	Fki	18	BGD	3	2			8						
03 Oct	N23E46	52	710	24	Fkc	36	BGD	2	2			7	1					
04 Oct	N23E32	53	720	24	Fkc	48	BGD	4				6						
05 Oct	N22E21	50	750	25	Fkc	55	BGD	5				7						
06 Oct	N22E09	49	800	26	Fkc	54	BGD	3				2						
07 Oct	N23W04	49	550	18	Fkc	36	BD	5				2						
08 Oct	N22W16	48	470	16	Fki	32	BGD	3				6						
09 Oct	N22W28	47	400	16	Fki	14	BD	8				6						
								53	7	0	44	1	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 49



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 3113																		
30 Sep	N16W14	152	90	5	Cao	3	B											
01 Oct	N16W29	154	100	5	Dao	8	B	2										
02 Oct	N16W40	151	80	7	Dai	8	B					1						
03 Oct	N16W52	150	100	6	Dao	10	B					2						
04 Oct	N16W66	151	90	7	Cso	4	B											
05 Oct	N16W80	152	90	6	Cso	3	B											
								2	0	0	3	0	0	0	0	0		

Crossed West Limb.
Absolute heliographic longitude: 152

Region 3114																		
01 Oct	S33E26	99	30	6	Cao	3	B											
02 Oct	S34E11	100	20	7	Bxo	3	B											
03 Oct	S34W02	100	plage															
04 Oct	S34W16	101	plage															
05 Oct	S34W30	102	plage															
06 Oct	S34W44	103	plage															
07 Oct	S34W58	103	plage															
08 Oct	S34W72	104	plage															
09 Oct	S34W86	105	plage															
								0	0	0	0	0	0	0	0	0		

Still on Disk.
Absolute heliographic longitude: 100

Region 3115																		
03 Oct	S18E03	95	60	6	Dao	9	B											
04 Oct	S18W11	96	130	6	Dao	12	B											
05 Oct	S18W24	96	180	8	Dao	8	B											
06 Oct	S18W37	96	120	8	Dso	8	B											
07 Oct	S18W52	97	30	6	Cao	6	B											
08 Oct	S17W66	98	10	2	Axx	2	A					1						
09 Oct	S18W79	98	10	1	Axx	1	A											
								0	0	0	1	0	0	0	0	0		

Still on Disk.
Absolute heliographic longitude: 95



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 3116																		
03 Oct	N30E54	44	10	13	Bxo	6	B											
04 Oct	N30E40	45	30	8	Cro	9	B											
05 Oct	N29E28	44	60	9	Dai	9	B											
06 Oct	N30E14	45	150	9	Dai	13	B	1				1						
07 Oct	N29W00	45	140	10	Dai	11	B	2	1			1	1					
08 Oct	N30W13	45	150	12	Eai	15	B	3										
09 Oct	N30W25	44	140	11	Eao	10	B											
								6	1	0	2	1	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 45

Region 3117																		
03 Oct	S11E20	78	20	4	Cro	2	B											
04 Oct	S11E04	81	10	2	Axx	3	A											
05 Oct	S12W10	80	10	2	Bxo	3	B											
06 Oct	S12W23	82	10	1	Hrx	1	A											
07 Oct	S11W39	84	10	1	Axx	1	A											
08 Oct	S11W53	85	plage															
09 Oct	S11W67	86	plage															
								0	0	0	0	0	0	0	0	0	0	

Still on Disk.

Absolute heliographic longitude: 81

Region 3118																		
06 Oct	N09E59	359	10	2	Bxo	2	B											
07 Oct	N09E46	359	20	2	Bxo	3	B											
08 Oct	N08E34	358	20	3	Dro	4	B	1				2						
09 Oct	N08E20	359	30	3	Dro	4	B											
								1	0	0	2	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 359

Region 3119																		
07 Oct	N28E31	14	30	3	Bxo	6	B					2						
08 Oct	N28E19	13	110	7	Dao	9	B	1				1						
09 Oct	N28E07	12	140	8	Dai	12	B	2				4						
								3	0	0	7	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 12



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				
<i>Region 3120</i>																				
07 Oct	N20W20		65	30	4	Hax	2	A												
08 Oct	N20W32		64	10	3	Axx	4	A												
09 Oct	N18W40		59	10	2	Axx	2	A												
									0	0	0	0	0	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 65



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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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