

Solar activity reached high levels on 30 Mar and 04 Apr, moderate levels on 02-03 Apr, with low levels observed on 31 Mar, 01 Apr, and 5 Apr.

Region 4409 (N02, L=156, class/area=Eai/170 on 04 Apr) was the most active of the period, producing 50 C-class flares and six M-class flares. Region 4405 (S27, L=220, class/area=Eai/220 on 02 Apr) added the strongest flare of the period, an X1.4/Sf flare, on 30 Mar at 0319 UTC. Accompanying the flare was a Type II radio sweep (estimated velocity 1872 km/s) and a partial halo CME first seen in LASCO C2 imagery at 30/0312 UTC. Expected impacts from this CME were on 01 Apr. Region 4409 also produced a C8.1 flare at 01/1958 UTC. Accompanying this flare was a filament eruption and subsequent CME that had a likely Earth-directed trajectory with impacts likely felt on 03-04 Apr.

Slightly elevated proton levels were observed from 01-05 Apr, but conditions remained below alert thresholds throughout the period.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels throughout most of the period of 30 Mar - 05 Apr, with a peak flux value of 6,000 pfu observed at 05/1645 UTC. The only exception was on 02 Apr when conditions dropped to moderate levels for that 24 hour reporting period.

Geomagnetic field activity ranged from quiet to G3 (Strong) storm levels during the 30 Mar - 05 Apr period. Quiet to unsettled levels were observed on 30 Mar - 01 Apr, and most of 05 Apr (aside from an isolated active period at the beginning of the UT day). Conditions increased to active to G2 (Moderate) levels on 02 Apr following the onset of a negative polarity coronal hole high speed stream (CH HSS). Conditions remained at active to G1 (Minor) levels through midday on 03 Apr when they increased to G3 (Strong) levels with the arrival of the anticipated CME from 01 Apr (C8.1 flare and filament eruption). Conditions then decreased to G1 levels to start 04 Apr, before decreasing to quiet to active conditions lasting through 05 Apr.

### **Space Weather Outlook** **06 April - 02 May 2026**

Solar activity is expected to be at low levels, with a varying chance for M-class (R1-R2/Minor-Moderate) flares, and a slight chance for X-Class (R3/Strong) flares from 06 Apr through 02 May.

No proton events are expected at geosynchronous orbit, barring any significant, non-recurrent solar activity.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels on 06-09 Apr, 11-16 Apr, and 18 Apr-02 May. Normal to moderate flux levels are expected on 10



and 17 Apr.

Geomagnetic field activity is anticipated to reach G1/G2 (Minor/Moderate) geomagnetic storm levels on 18-19, and 29 Apr due to the influence of negative polarity CH HSS (-CH HSS). Periods of G1 (Minor) storming are likely on 04 April in response to a negative polarity CH HSS (-CH HSS). Unsettled to Active levels are expected on 06-07 Apr, 20-22 Apr, and 30 Apr, as well as 01-02 May associated with negative polarity CH HSS effects. On 10-13 and 25-26 April, positive polarity CH HSS influences are expected to bump geomagnetic conditions to unsettled to active levels. Mostly quiet levels are expected during all other days 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
30 March	152	143	575	C1.0	3	0	1	2	0	0	0	0
31 March	141	133	625	B6.3	5	0	0	0	0	0	0	0
01 April	142	130	620	B5.6	9	0	0	0	0	0	0	0
02 April	140	152	630	B8.6	8	1	0	4	0	1	0	0
03 April	136	118	600	B8.8	16	2	0	12	1	0	0	0
04 April	128	113	540	B5.8	14	4	0	6	1	0	0	0
05 April	118	112	490	B5.0	15	0	0	2	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	
	30 March	2.9e+05	1.6e+04	4.7e+07
31 March	2.8e+05	1.8e+04	4.4e+07	
01 April	2.1e+07	2.3e+04	6.7e+07	
02 April	1.1e+08	1.5e+05	1.7e+07	
03 April	8.6e+07	3.8e+05	9.1e+07	
04 April	2.3e+07	1.3e+05	9.7e+07	
05 April	7.6e+06	4.0e+04	2.1e+08	

### *Daily Geomagnetic Data*

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	30 March	11	2-2-4-3-3-2-2-1	20	2-2-5-5-4-3-1-1	12
31 March	8	1-3-2-2-3-2-1-1	16	2-1-4-4-4-4-1-1	7	2-3-2-2-2-2-1-1
01 April	8	3-1-1-2-3-2-2-2	8	2-2-0-2-4-2-1-1	9	3-1-1-2-3-2-2-2
02 April	30	4-3-5-5-5-4-3-3	64	5-4-5-5-7-7-5-3	43	5-4-5-5-5-6-5-4
03 April	25	4-3-4-3-3-5-4-4	63	3-4-6-5-4-7-7-4	49	4-4-5-4-4-7-6-6
04 April	12	4-3-2-2-2-2-3-2	24	3-4-5-5-2-3-3-3	16	5-4-3-3-1-2-4-2
05 April	8	3-3-2-2-2-2-1-1	26	2-2-4-6-5-4-2-1	22	4-3-3-3-2-2-1-1



### *Alerts and Warnings Issued*

<b>Date &amp; Time of Issue UTC</b>	<b>Type of Alert or Warning</b>	<b>Date &amp; Time of Event UTC</b>
30 Mar 0307	ALERT: X-ray Flux exceeded M5	30/0306
30 Mar 0322	ALERT: Type II Radio Emission	30/0300
30 Mar 0353	SUMMARY: X-ray Event exceeded X1	30/0247 - 0344
30 Mar 0516	CANCELLATION: X-ray Event exceeded X1	
30 Mar 0518	SUMMARY: X-ray Event exceeded X1	30/0247 - 0344
30 Mar 0543	SUMMARY: 10cm Radio Burst	30/0254 - 0342
30 Mar 0627	WATCH: Geomagnetic Storm Category G2 predicted	
30 Mar 0742	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	22/1430
30 Mar 0855	EXTENDED WARNING: Geomagnetic K = 4	29/1546 - 30/2359
31 Mar 1227	WATCH: Geomagnetic Storm Category G1 predicted	
31 Mar 1228	CANCELLATION: Geomagnetic Storm Category G1 predicted	
31 Mar 1231	WATCH: Geomagnetic Storm Category G1 predicted	
31 Mar 1454	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	22/1430
31 Mar 2213	WATCH: Geomagnetic Storm Category G2 predicted	
01 Apr 1139	WARNING: Geomagnetic Sudden Impulse expected	01/1206 - 1236
01 Apr 1210	WARNING: Geomagnetic K = 4	01/1210 - 2359
01 Apr 1233	SUMMARY: Geomagnetic Sudden Impulse	01/1206
01 Apr 1330	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	22/1430
01 Apr 2335	ALERT: Type II Radio Emission	01/2303
02 Apr 0047	WARNING: Geomagnetic K = 4	02/0047 - 0900
02 Apr 0220	ALERT: Geomagnetic K = 4	
02 Apr 0230	WARNING: Geomagnetic K = 5	02/0230 - 0900
02 Apr 0301	ALERT: Geomagnetic K = 5	
02 Apr 0750	ALERT: Geomagnetic K = 5	
02 Apr 0751	EXTENDED WARNING: Geomagnetic K = 4	02/0047 - 2359
02 Apr 0753	WARNING: Geomagnetic K = 6	02/0753 - 1800



## *Alerts and Warnings Issued*

<b>Date &amp; Time of Issue UTC</b>	<b>Type of Alert or Warning</b>	<b>Date &amp; Time of Event UTC</b>
02 Apr 0753	EXTENDED WARNING: Geomagnetic K = 5	02/0230 - 1800
02 Apr 1022	ALERT: Geomagnetic K = 5	
02 Apr 1432	ALERT: Geomagnetic K = 5	
02 Apr 1629	ALERT: Geomagnetic K = 5	
02 Apr 1711	ALERT: Geomagnetic K = 6	
02 Apr 1711	EXTENDED WARNING: Geomagnetic K = 4	02/0047 - 03/2359
02 Apr 1711	EXTENDED WARNING: Geomagnetic K = 5	02/0230 - 03/1500
02 Apr 1711	EXTENDED WARNING: Geomagnetic K = 6	02/0753 - 03/0900
02 Apr 1743	WATCH: Geomagnetic Storm Category G2 predicted	
02 Apr 2052	ALERT: Geomagnetic K = 5	
03 Apr 0831	ALERT: Geomagnetic K = 5	
03 Apr 0936	ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	03/0920
03 Apr 1451	EXTENDED WARNING: Geomagnetic K = 5	02/0230 - 03/2359
03 Apr 1529	WARNING: Geomagnetic Sudden Impulse expected	03/1529 - 1550
03 Apr 1542	ALERT: Geomagnetic K = 5	
03 Apr 1545	SUMMARY: Geomagnetic Sudden Impulse	03/1529
03 Apr 1552	WARNING: Geomagnetic K = 6	03/1551 - 2359
03 Apr 1555	ALERT: Geomagnetic K = 6	
03 Apr 1625	WARNING: Geomagnetic K $\geq$ 7	03/1625 - 2359
03 Apr 1647	ALERT: Geomagnetic K = 7	
03 Apr 1908	ALERT: Geomagnetic K = 5	
03 Apr 2101	EXTENDED WARNING: Geomagnetic K = 5	02/0230 - 04/1500
03 Apr 2101	ALERT: Geomagnetic K = 6	
03 Apr 2102	EXTENDED WARNING: Geomagnetic K = 4	02/0047 - 04/2359
03 Apr 2141	ALERT: Geomagnetic K = 5	
03 Apr 2310	ALERT: Geomagnetic K = 6	
03 Apr 2310	EXTENDED WARNING: Geomagnetic K = 6	03/1551 - 04/0600
04 Apr 0117	ALERT: X-ray Flux exceeded M5	04/0117
04 Apr 0146	SUMMARY: X-ray Event exceeded M5	04/0107 - 0123



### *Alerts and Warnings Issued*

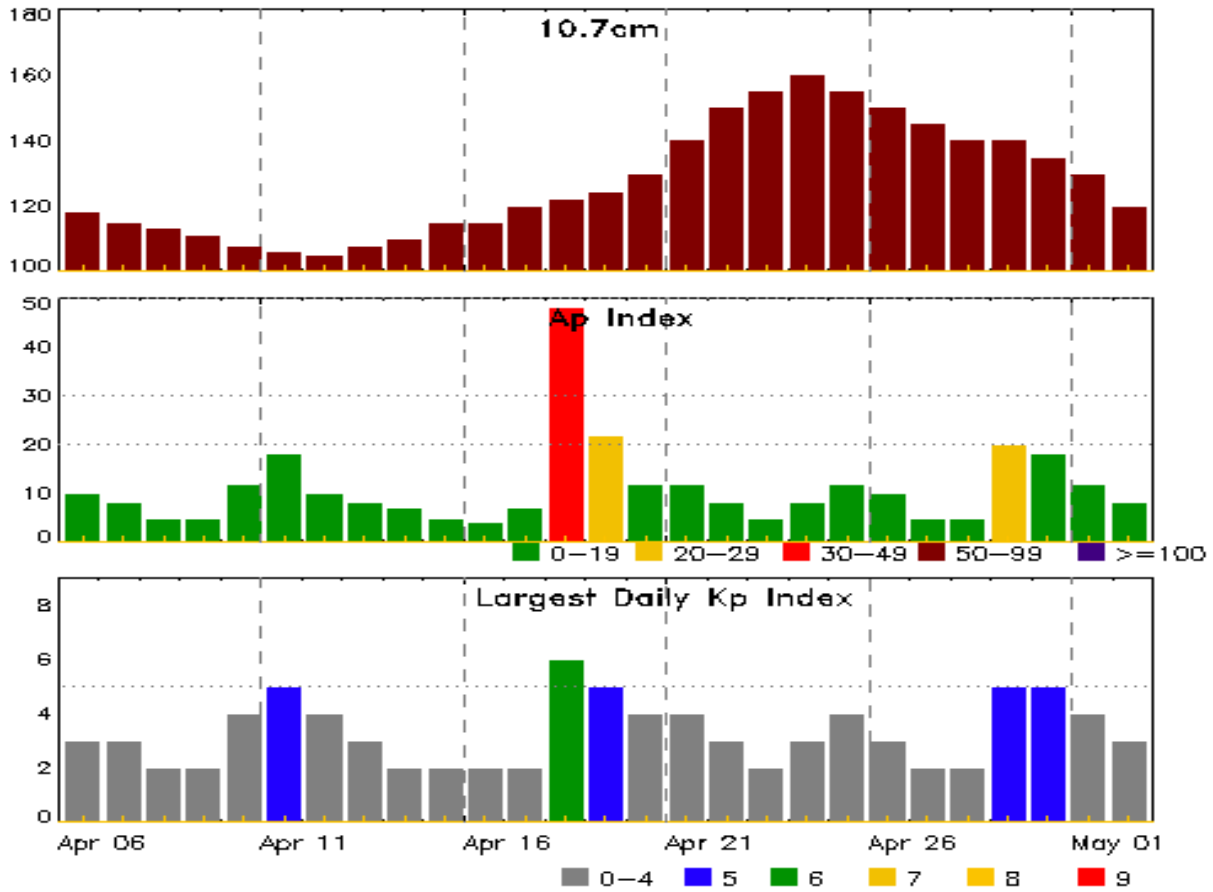
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<b>Date &amp; Time of Issue UTC</b>	<b>Type of Alert or Warning</b>	<b>Date &amp; Time of Event UTC</b>
04 Apr 0254	ALERT: Geomagnetic K = 5	
04 Apr 1158	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	03/0920
04 Apr 2356	EXTENDED WARNING: Geomagnetic K = 4	02/0047 - 05/0300
05 Apr 0248	EXTENDED WARNING: Geomagnetic K = 4	02/0047 - 05/0900
05 Apr 0507	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	03/0920

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## 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
06 Apr	118	10	3	20 Apr	130	12	4
07	115	8	3	21	140	12	4
08	113	5	2	22	150	8	3
09	111	5	2	23	155	5	2
10	108	12	4	24	160	8	3
11	106	18	5	25	155	12	4
12	105	10	4	26	150	10	3
13	108	8	3	27	145	5	2
14	110	7	2	28	140	5	2
15	115	5	2	29	140	20	5
16	115	4	2	30	135	18	5
17	120	7	2	01 May	130	12	4
18	122	48	6	02	120	8	3
19	124	22	5				



### *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
30 Mar	0247	0319	0344	X1.4	0.300				4405	1800	2
02 Apr	1723	1815	1834	M3.5	0.054	2B	N12W16		4404		
03 Apr	0745	0756	0758	M1.3	0.004				4409		
03 Apr	1246	1250	1252	M1.3	0.003						
04 Apr	0107	0117	0123	M7.5	0.036				4409		
04 Apr	0738	0758	0814	M1.7	0.021	SF	N02W07		4409		
04 Apr	1158	1211	1222	M1.2	0.012	1F	N02W09		4409		
04 Apr	2254	2304	2314	M1.0	0.008				4409		

### *Flare List*

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
30 Mar	0034	0048	0059	C1.6			4405
30 Mar	0247	0319	0344	X1.4			4405
30 Mar	0615	U0616	A0639		SF	N19W23	4402
30 Mar	1644	1644	1650		SF	N20W28	4402
30 Mar	2040	2047	2052	C2.1			4402
30 Mar	2358	0006	0014	C1.5			4407
31 Mar	0055	0101	0104	C1.5			4403
31 Mar	1027	1034	1049	C1.0			4403
31 Mar	1602	1610	1617	C1.0			4405
31 Mar	1758	1809	1828	C1.0			4405
31 Mar	2116	2123	2127	C1.1			4405
31 Mar	2141	2145	2149	B9.1			4405
01 Apr	0638	0651	0703	C1.2			4409
01 Apr	1049	1105	1122	C1.3			4409
01 Apr	1338	1348	1355	C5.3			4409
01 Apr	1738	1745	1750	C1.5			4401
01 Apr	1947	1958	2010	C8.1			4409
01 Apr	2054	2102	2114	C1.4			4409
01 Apr	2134	2151	2159	C4.7			4409
01 Apr	2241	2300	2308	C5.2			4409
01 Apr	2308	2328	2345	C6.1			4403
02 Apr	0010	0011	0027		SF	N01E27	4409
02 Apr	0707	0713	0726	C1.5			4409



## *Flare List*

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
02 Apr	0726	0730	0736	C1.3			4401
02 Apr	0922	0928	0930	C1.8			4409
02 Apr	1226	1230	1232	C1.3			4409
02 Apr	1301	1459	1556	C3.9	SF	N02E21	4409
02 Apr	1559	1603	1606		SF	N01E20	4409
02 Apr	1723	1815	1834	M3.5	2B	N12W16	4404
02 Apr	2121	2128	2132	C1.2			4405
02 Apr	2253	2254	2306	C1.6	SF	N03E13	4409
02 Apr	2353	2358	0004	C1.5			4409
03 Apr	0059	0107	0118	C7.0			4409
03 Apr	0324	0332	0334	C2.3			4409
03 Apr	0520	0542	0545	C6.0			
03 Apr	0745	0756	0758	M1.3			4409
03 Apr	0903	0913	0916	C1.5			
03 Apr	1003	1017	1023	C7.8			
03 Apr	B1042	U1045	A1054		SF	N02E05	4409
03 Apr	B1044	U1045	A1055		SF	S29W11	4405
03 Apr	B1105	U1109	1124	C3.4	SF	N02E05	4409
03 Apr	1153	1200	1204	C3.5	SF	N02E05	4409
03 Apr	1211	1212	1215		SF	N01E03	4409
03 Apr	1219	1228	1234	C5.2	SF	N02E03	4409
03 Apr	1246	1250	1252	M1.3			
03 Apr	1427	1434	1438	C1.3			
03 Apr	1550	1608	1612	C3.8	SF	S01E01	4409
03 Apr	B1613	U1614	1618		SF	S00E02	4409
03 Apr	1731	1736	1739	C1.7	SF	S02E02	4409
03 Apr	1851	1920	1942	C4.9	1F	S01E00	4409
03 Apr	2006	2013	2020	C2.1	SF	N02W01	4409
03 Apr	2125	2134	2142	C2.3	SF	N02W01	4409
03 Apr	2142	2202	2211	C5.8			4409
03 Apr	2336	2345	2348	C1.7	SF	S01W03	4409
04 Apr	0026	0041	0054	C2.3	SF	N01W05	4409
04 Apr	0107	0117	0123	M7.5			4409
04 Apr	0251	0258	0302	C1.7			4409
04 Apr	0316	0330	0341	C2.2			4409
04 Apr	0419	0435	0451	C2.6			4409
04 Apr	0549	0554	0558	C1.0			4409
04 Apr	0601	0614	0621	C2.9			4401



## *Flare List*

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
04 Apr	0652	0701	0711	C2.2			4409
04 Apr	0738	0758	0814	M1.7	SF	N02W07	4409
04 Apr	B0836	U0841	0900		SF	N03W03	4409
04 Apr	1124	1134	1146	C1.2	SF	N02W08	4409
04 Apr	1158	1211	1222	M1.2	1F	N02W09	4409
04 Apr	1329	1339	1344	C1.7	SF	N02W09	4409
04 Apr	1500	1515	1535	C1.6			4409
04 Apr	1618	1625	1632	C1.7			4409
04 Apr	1702	1715	1724	C2.8	SF	N02W13	4409
04 Apr	1848	1900	1910	C1.7			4409
04 Apr	1935	1947	2005	C7.9			4409
04 Apr	2254	2304	2314	M1.0			4409
05 Apr	0021	0028	0033	C1.4			4409
05 Apr	0151	0204	0213	C3.8			4409
05 Apr	0312	0316	0319	B8.1			4409
05 Apr	0323	0329	0334	C1.2			4409
05 Apr	0334	0341	0350	C1.5			4409
05 Apr	0355	0400	0404	C1.8			4409
05 Apr	0420	0428	0444	C1.2			4409
05 Apr	0501	0506	0512	C1.1			4409
05 Apr	0527	0532	0535	B9.2			4409
05 Apr	0535	0543	0553	C1.6			4409
05 Apr	0559	0604	0606	C1.6			4412
05 Apr	0641	0649	0654	C1.4	SF	N09E18	4412
05 Apr	0723	0729	0733	C1.0			4412
05 Apr	0804	0809	0820	B8.4			4409
05 Apr	0821	0829	0831	C1.1			4409
05 Apr	1018	1024	1029	B7.0			4409
05 Apr	1052	1104	1110	C1.3	SF	N02W23	4409
05 Apr	1256	1300	1302	C1.1			4409
05 Apr	1946	1950	1954	B7.7			4409
05 Apr	2024	2037	2049	B7.8			4409
05 Apr	2325	2333	2339	B8.7			4409
05 Apr	2339	2347	2354	C2.8			4409



## Region Summary

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 4397</b>																		
18 Mar	N17E69	296	30	6	Cro	8	B	2										
19 Mar	N17E55	297	30	6	Cao	6	B											
20 Mar	N18E42	297	30	5	Cao	3	B											
21 Mar	N16E27	298	20	2	Cro	2	B											
22 Mar	N16E14	298	20	4	Cro	2	B											
23 Mar	N16W01	300	20	2	Cro	2	B											
24 Mar	N15W12	298	10	4	Bxo	5	B											
25 Mar	N15W27	299	5	1	Axx	2	A											
26 Mar	N15W39	298	10	2	Bxo	4	B											
27 Mar	N15W53	299	plage															
28 Mar	N15W67	300	plage															
29 Mar	N15W81	301	plage															
								2	0	0	0	0	0	0	0	0	0	0

Crossed West Limb.  
Absolute heliographic longitude: 300

<b>Region 4398</b>																		
21 Mar	S14E26	299	10	3	Cro	2	B											
22 Mar	S15E13	299	20	6	Cro	5	B											
23 Mar	S16W01	300	30	5	Csi	5	B	1										
24 Mar	S17W12	298	40	6	Dao	10	B											
25 Mar	S17W27	299	30	4	Dro	6	B											
26 Mar	S17W40	300	25	3	Dro	4	B											
27 Mar	S17W55	301	10	1	Axx	1	A											
28 Mar	S16W69	302	plage															
29 Mar	S16W83	303	plage															
								1	0	0	0	0	0	0	0	0	0	0

Crossed West Limb.  
Absolute heliographic longitude: 300





### *Region Summary - continued*

Date	Location		Sunspot Characteristics				Flares									
	Lat	CMD	Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
			Lon	10 <sup>6</sup> hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
<b>Region 4402</b>																
22 Mar	N14E68		244	80	6	Hax	1	A								
23 Mar	N17E56		243	150	8	Dao	3	B	2							
24 Mar	N17E45		241	150	9	Dso	2	B								
25 Mar	N17E32		241	140	10	Dso	4	B								
26 Mar	N16E18		241	120	8	Cso	6	B								
27 Mar	N18E08		238	70	4	Cao	5	B								
28 Mar	N19W04		237	50	2	Hsx	5	A								
29 Mar	N18W18		238	30	5	Cso	5	B								
30 Mar	N19W32		238	30	4	Cai	5	B	1			2				
31 Mar	N19W41		235	25	2	Hrx	4	A								
01 Apr	N19W57		237	20	2	Hrx	3	A								
02 Apr	N18W70		237	10	1	Axx	1	A								
03 Apr	N18W84		238	plage												
									3	0	0	2	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 237

<b>Region 4403</b>																
24 Mar	N16E82		205	plage					1							
25 Mar	N16E67		205	110	3	Hsx	1	A	3							
26 Mar	N15E54		205	110	3	Hsx	1	A		1			1			
27 Mar	N16E40		206	120	3	Hsx	2	A	2			1				
28 Mar	N16E27		206	120	3	Hsx	3	A								
29 Mar	N16E14		206	70	3	Hsx	2	A								
30 Mar	N16E01		206	70	3	Hax	2	A								
31 Mar	N15W12		206	70	4	Hsx	2	A	2							
01 Apr	N15W26		206	70	3	Hsx	2	A	1							
02 Apr	N15W39		206	60	4	Hax	3	A								
03 Apr	N15W53		207	50	5	Cso	2	B								
04 Apr	N15W66		207	20	5	Hrx	1	A								
05 Apr	N15W79		207	10	1	Axx	1	A								
									9	1	0	1	1	0	0	0

Still on Disk.

Absolute heliographic longitude: 206



**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 4404</b>																							
27 Mar	N15E63	183	50	7	Cso	3	B																
28 Mar	N14E46	187	50	2	Hsx	1	A	2															
29 Mar	N14E33	187	30	2	Hsx	1	A																
30 Mar	N15E21	186	30	5	Hsx	5	A																
31 Mar	N15E06	188	50	3	Csi	3	B																
01 Apr	N15W07	187	60	4	Csi	8	B																
02 Apr	N13W21	188	40	3	Cso	5	B		1											1			
03 Apr	N13W34	188	40	2	Cso	3	B																
04 Apr	N13W47	188	40	4	Cso	3	B																
05 Apr	N13W60	188	50	2	Hsx	1	A																
								2	1	0	0	0	0	0	1	0	0						

Still on Disk.

Absolute heliographic longitude: 188

<b>Region 4405</b>																							
26 Mar	S24E82	178	plage																				
27 Mar	S25E66	180	270	11	Eho	9	B	6															
28 Mar	S26E55	178	330	11	Ehi	8	BG	1	1														
29 Mar	S27E44	176	180	13	Eao	8	BG	1															
30 Mar	S27E32	175	170	12	Eao	11	BG	1		1													
31 Mar	S27E18	175	200	11	Esi	11	BG	3															
01 Apr	S27E05	175	210	12	Eac	11	BG																
02 Apr	S27W07	174	220	14	Eai	15	B	1															
03 Apr	S27W20	174	180	15	Eao	12	B													1			
04 Apr	S28W33	174	200	16	Fao	10	B																
05 Apr	S28W46	174	150	14	Eao	10	B																
								14	1	1	1	1	0	0	0	0	0						

Still on Disk.

Absolute heliographic longitude: 175



### *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 4406</b>																	
27 Mar	N09E62	184	70	2	Hsx	1	A										
28 Mar	N09E52	181	80	2	Hsx	1	A										
29 Mar	N09E38	182	50	2	Hsx	1	A										
30 Mar	N08E25	182	50	2	Hsx	1	A										
31 Mar	N08E12	182	50	2	Hsx	1	A										
01 Apr	N08W02	182	50	2	Hsx	1	A										
02 Apr	N07W15	182	50	2	Hsx	1	A										
03 Apr	N07W29	183	60	2	Hsx	1	A										
04 Apr	N07W41	182	50	2	Hsx	1	A										
05 Apr	N07W55	183	40	2	Hsx	1	A										
								0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 182

<b>Region 4407</b>																	
28 Mar	N17E56	177	40	1	Hsx	1	A										
29 Mar	N18E45	175	10	2	Bxo	4	B	1									
30 Mar	N17E31	176	10	1	Axx	1	A	1									
31 Mar	N17E17	176	10	1	Axx	1	A										
01 Apr	N17E03	177	plage														
02 Apr	N17W11	178	plage														
03 Apr	N17W25	179	plage														
04 Apr	N17W39	180	plage														
05 Apr	N17W53	181	plage														
								2	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 177



### *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

#### ***Region 4408***

29 Mar	N09E64	156	50	2	Hsx	1	A											
30 Mar	N08E51	156	40	2	Hsx	1	A											
31 Mar	N08E38	156	40	2	Hsx	1	A											
01 Apr	N08E24	156	40	2	Hsx	1	A											
02 Apr	N08E11	157	40	2	Hsx	1	A											
03 Apr	N08W02	156	70	2	Hsx	1	A											
04 Apr	N08W15	156	50	2	Hsx	1	A											
05 Apr	N08W28	156	60	2	Hsx	1	A											
										0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 156

#### ***Region 4409***

30 Mar	N02E54	153	10	2	Bxo	2	B											
31 Mar	N02E39	154	20	4	Dro	4	B											
01 Apr	N02E24	156	30	4	Dri	8	B	7										
02 Apr	N02E13	155	40	9	Dai	15	BG	6			4							
03 Apr	N02W01	155	140	11	Eai	16	BG	12	1		11	1						
04 Apr	N02W15	156	170	11	Eai	26	BG	13	4		6	1						
05 Apr	N02W28	156	170	11	Eac	26	B	12			1							
								50	5	0	22	2	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 155

#### ***Region 4410***

02 Apr	N10W88	256	50	7	Cso	5	B											
										0	0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 256

#### ***Region 4411***

03 Apr	S05E46	108	10	1	Axx	2	A											
04 Apr	S06E33	108	10	1	Axx	1	A											
05 Apr	S06E18	110	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 <sup>-6</sup> hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical			
									C	M	X	S	1	2	3

***Region 4412***

05 Apr	N10E08	120	10	2	Bxo	2	B	3									
								3	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 120



## ***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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