

Solar activity ranged from low to high levels. The strongest events of the period were an X2.4 flare (R3-Strong) at 24/0107 UTC and an X2.5/2B (R3) at 24/0813 UTC from Region 4419 (N14, L=314, class/area=Eki/360 on 17 Apr). The X2.4 flare had as associated Tenflare and CME signature. Modeling of the CME indicated possible influence from the far periphery of the event on 26 Apr. The X2.5 flare had an associated Type II (est 1,293 km/s), Type IV, and Tenflare (570sfu) as well as a CME signature in coronagraph imagery. Modeling of this event suggested the primary bulk of the plasma was not on the Sun-Earth line.

Other major X-ray events included an M6.4/1F (R2-Moderate) at 24/1815 UTC from Region 4419. The resulting CME was off the Sun-Earth line. An M6.0 (R2) flare 26/2257 UTC from Region 4420 (N16, L=225, class/area=Fki/400 on 25 Apr). As associated Type II (est 834 km/s) was reported with this event as well as a 30,000sfu burst on 245MHz. No CME signature was identified in subsequent coronagraph imagery.

13 other M-class (R1-Minor) events were observed over the past week with many producing radio and CME signatures. However, those events that were associated with CMEs did not contain an Earth-directed component.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels on 20-24 Apr and remained at normal background to moderate levels for the remainder of the report reporting period.

Geomagnetic field activity reached G1 (Minor) storm levels on 20-21 Apr due to influence from a negative polarity CH HSS. Solar wind speeds peaked around 550 km/s and total magnetic field strength increased to a brief peak of 10 nT on 20 Apr. The Bz component reached as far south as -8 nT during the HSS. Quiet to unsettled conditions were observed over 22-25 Apr. A negative polarity coronal hole, with possible weak embedded influence from a CME that left the Sun on 24 Apr, caused isolated active levels on 26 Apr. Solar wind speeds remained below 500 km/s with this coronal hole.

## **Space Weather Outlook**

### **27 April - 23 May 2026**

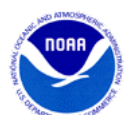
Solar activity is expected to reach moderate levels (R1-R2/Minor-Moderate), with a slight chance for high (R3/Strong), from 27 Apr - 04 May due to the flare potential from multiple active regions on the solar disk. The remainder of the outlook period is likely to be at low levels, with a slight chance for M-class (R1-R2).

No proton events are expected at geosynchronous orbit.



The greater than 2 MeV electron flux at geosynchronous orbit is expected reach high levels on 12 Apr, 29 Apr - 05 May, 08-14 May, and 17-21 May due to the anticipated influence from multiple, recurrent, CH HSS. The remainder of the outlook period is likely to be at normal to moderate levels.

Geomagnetic field activity is expected to reach G1 (Minor) geomagnetic storm levels on 07 May and 15-16 May. Active conditions are likely on 27 Apr, 30 Apr, 08 May, 17-18 May, and 23 May. Unsettled conditions are likely on 29 Apr, 01 May, 03-04 May, 09 May, and 21-22 May. All enhancement in geomagnetic activity are due to the anticipated influence of multiple, recurrent, CH HSSs. The remainder of the outlook period is expected to be at mostly quiet levels.



### *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
20 April	105	46	320	B3.4	2	0	0	2	0	0	0	0
21 April	112	68	380	B5.1	12	0	0	4	0	0	0	0
22 April	116	72	500	B5.5	9	0	0	5	0	0	0	0
23 April	128	71	540	C1.0	11	5	0	11	2	0	0	0
24 April	146	123	775	C1.4	9	3	2	8	3	1	0	0
25 April	148	154	840	B9.4	12	2	0	9	0	0	0	0
26 April	156	137	745	C1.0	18	5	0	15	2	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	
	20 April	1.3e+06	1.8e+04	3.7e+07
21 April	6.4e+05	1.9e+04	9.4e+07	
22 April	4.0e+05	1.8e+04	2.1e+08	
23 April	2.2e+05	1.8e+04	1.8e+08	
24 April	6.1e+05	2.1e+04	2.5e+08	
25 April	5.7e+05	2.6e+04	1.5e+07	
26 April	8.5e+05	2.0e+04	2.0e+07	

### *Daily Geomagnetic Data*

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	20 April	13	1-2-3-3-3-3-3-3	37	1-2-6-5-5-5-5-3	24
21 April	14	3-4-2-2-3-3-3-2	29	4-4-3-3-6-5-3-2	19	5-4-2-2-3-4-3-2
22 April	4	1-1-0-2-2-1-2-1	5	2-2-1-2-2-1-1-1	5	2-1-1-2-2-1-2-2
23 April	7	2-2-2-2-2-1-2-2	10	2-3-3-3-2-2-1-2	7	2-3-2-2-1-1-1-2
24 April	8	2-1-2-1-3-1-2-3	6	2-1-2-2-2-2-1-2	9	3-1-2-1-2-1-3-3
25 April	7	3-1-1-1-2-1-2-3	6	2-2-1-1-1-2-2-2	9	3-1-1-1-1-2-3-3
26 April	13	3-3-2-4-2-1-3-3	18	2-3-3-6-2-2-2-2	12	3-4-3-4-2-1-3-3



### *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>
20 Apr 0805	WARNING: Geomagnetic K = 4	20/0805 - 1500
20 Apr 0819	ALERT: Geomagnetic K = 4	
20 Apr 1420	EXTENDED WARNING: Geomagnetic K = 4	20/0805 - 2100
20 Apr 2023	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	19/1920
21 Apr 0110	EXTENDED WARNING: Geomagnetic K = 4	20/0805 - 21/1200
21 Apr 0110	WARNING: Geomagnetic K = 5	21/0110 - 0600
21 Apr 0153	ALERT: Geomagnetic K = 5	
21 Apr 0544	EXTENDED WARNING: Geomagnetic K = 5	21/0110 - 1500
21 Apr 0545	EXTENDED WARNING: Geomagnetic K = 4	20/0805 - 21/1800
21 Apr 1341	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	19/1920
21 Apr 1651	EXTENDED WARNING: Geomagnetic K = 4	20/0805 - 21/2359
22 Apr 0503	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	19/1920
23 Apr 0459	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	19/1920
23 Apr 0510	ALERT: Type II Radio Emission	23/0450
23 Apr 0535	ALERT: Type IV Radio Emission	23/0513
23 Apr 0859	SUMMARY: 10cm Radio Burst	23/0844 - 0844
23 Apr 0914	ALERT: Type II Radio Emission	23/0859
23 Apr 1452	SUMMARY: 10cm Radio Burst	23/1355 - 1357
23 Apr 1723	SUMMARY: 10cm Radio Burst	23/1703 - 1707
24 Apr 0108	ALERT: X-ray Flux exceeded M5	24/0105
24 Apr 0129	SUMMARY: 10cm Radio Burst	24/0103 - 0109
24 Apr 0131	SUMMARY: X-ray Event exceeded X1	24/0051 - 0113
24 Apr 0505	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	19/1920
24 Apr 0812	ALERT: X-ray Flux exceeded M5	24/0812
24 Apr 0826	SUMMARY: X-ray Event exceeded X1	24/0801 - 0818
24 Apr 0838	SUMMARY: 10cm Radio Burst	24/0809 - 0815

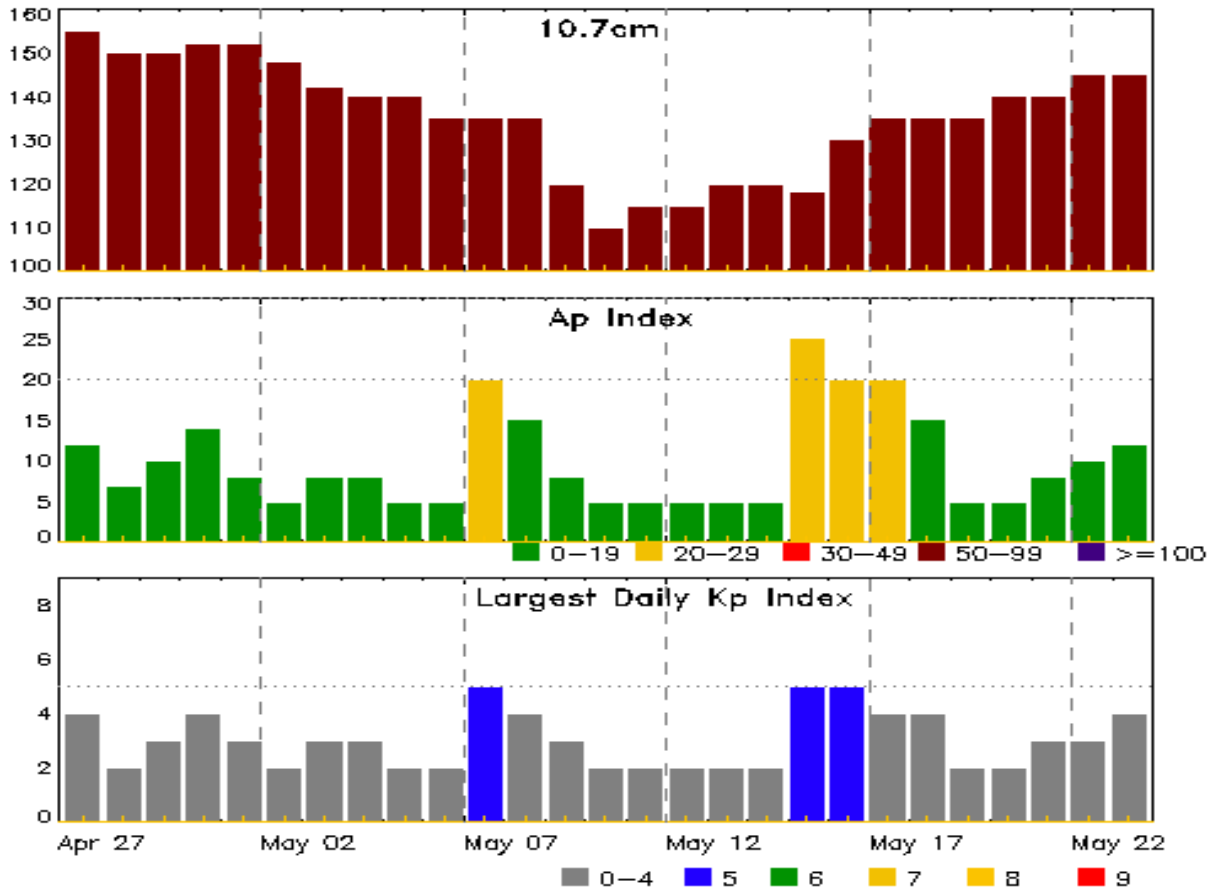


### *Alerts and Warnings Issued*

<b>Date &amp; Time of Issue UTC</b>	<b>Type of Alert or Warning</b>	<b>Date &amp; Time of Event UTC</b>
24 Apr 0857	ALERT: Type II Radio Emission	24/0815
24 Apr 0927	CANCELLATION: Type II Radio Emission	
24 Apr 0928	ALERT: Type II Radio Emission	24/0815
24 Apr 1041	ALERT: Type IV Radio Emission	24/0840
24 Apr 1812	ALERT: X-ray Flux exceeded M5	24/1812
24 Apr 1835	SUMMARY: X-ray Event exceeded M5	24/1754 - 1830
24 Apr 2350	WATCH: Geomagnetic Storm Category G1 predicted	
25 Apr 0137	WARNING: Geomagnetic K = 4	25/0137 - 2359
26 Apr 0559	ALERT: Geomagnetic K = 4	
26 Apr 0601	WARNING: Geomagnetic K = 4	26/0359 - 1200
26 Apr 1147	EXTENDED WARNING: Geomagnetic K = 4	26/0359 - 2359
26 Apr 2300	ALERT: X-ray Flux exceeded M5	26/2257
26 Apr 2308	SUMMARY: 10cm Radio Burst	26/2256 - 2258
26 Apr 2317	SUMMARY: X-ray Event exceeded M5	26/2251 - 2302
26 Apr 2333	EXTENDED WARNING: Geomagnetic K = 4	26/0359 - 27/0900



## 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
27 Apr	155	12	4	11 May	115	5	2
28	150	7	2	12	115	5	2
29	150	10	3	13	120	5	2
30	152	14	4	14	120	5	2
01 May	152	8	3	15	118	25	5
02	148	5	2	16	130	20	5
03	142	8	3	17	135	20	4
04	140	8	3	18	135	15	4
05	140	5	2	19	135	5	2
06	135	5	2	20	140	5	2
07	135	20	5	21	140	8	3
08	135	15	4	22	145	10	3
09	120	8	3	23	145	12	4
10	110	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
23 Apr	0424	0435	0448	M1.6	0.013				4419	250		
23 Apr	0450	0459	0508	M1.2	0.013	1F	N18E43	4420		110		
23 Apr	0840	0848	0853	M4.3	0.020	SN	N18W62	4419		190	130	2
23 Apr	1342	1400	1411	M1.7	0.017	SF	N17W65	4419		1100	170	
23 Apr	1700	1708	1714	M4.9	0.027	1N	N17W65	4419		4500	220	
24 Apr	0051	0107	0113	X2.4	0.120				4419	1700	570	
24 Apr	0801	0813	0818	X2.5	0.100	2B	N19W73	4419		16000	570	3
24 Apr	0857	0907	0919	M1.9	0.019				4223			
24 Apr	1234	1301	1314	M1.7	0.027	1F	S06E37	4423				
24 Apr	1754	1815	1830	M6.4	0.083	1F	N18W80	4419		150		
25 Apr	0756	0759	0803	M1.3	0.004	SF	S05E27	4423				
25 Apr	1422	1430	1432	M1.1	0.003	SF	N07E73	4425		480		
26 Apr	0008	0023	0035	M1.3	0.012				4425	150		
26 Apr	1354	1403	1408	M1.4	0.007	SF	N15W12	4420		230		
26 Apr	1918	1924	1927	M1.7	0.008							
26 Apr	1954	2004	2007	M2.2	0.010	1N	N05E55	4425				
26 Apr	2251	2257	2302	M6.0	0.022					30000	260	2

### *Flare List*

Date	Time			X-ray Class	Imp/ Brtns	Location	Rgn #
	Begin	Max	End				
20 Apr	0833	0845	0852	C1.0	SF	N16W11	4419
20 Apr	1337	1401	1412	B8.6			
20 Apr	1458	1514	1525	C1.6			
20 Apr	1559	1607	1609	B6.0	SF	N13W17	4419
20 Apr	1952	2002	2012	B7.1			4419
21 Apr	0103	0115	0124	C1.3			
21 Apr	0553	0602	0608	C5.3			4421
21 Apr	0647	0655	0700	C1.4			4420
21 Apr	0942	0956	1006	C1.6			4420
21 Apr	1125	1130	1142	C2.2			4420
21 Apr	1145	1150	1155	C4.0			4420
21 Apr	1341	1402	1412	C1.4	SF	N17E59	4420
21 Apr	1415	1424	1440	C1.9	SF	N16E57	4420
21 Apr	1629	1643	1656	C1.4			4420



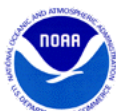
## *Flare List*

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
21 Apr	1825	1836	1849	C1.7			4420
21 Apr	1933	1944	1949	B9.1			4420
21 Apr	2109	2115	2117	B9.0			4420
21 Apr	2120	2125	2137	C1.9	SF	N16E54	4420
21 Apr	2224	2230	2234	B8.0	SF	N16E54	4420
21 Apr	2249	2254	2257	B7.6			4420
21 Apr	2313	2320	2325	C1.1			
22 Apr	0018	0022	0025	B8.1			
22 Apr	0132	0139	0144	C1.7			4420
22 Apr	0422	0433	0440	C1.4			4420
22 Apr	0610	0617	0620	C1.1			4420
22 Apr	0623	0626	0628	C1.2	SF	N17E49	4420
22 Apr	0905	0907	0909		SF	N09W34	4422
22 Apr	0950	0958	1009	C1.0			4420
22 Apr	1459	1504	1511	B9.3	SF	N15E40	4420
22 Apr	1635	1638	1641	C1.5	SF	N16E45	4420
22 Apr	1701	1714	1724	C3.7	SF	N16E42	4420
22 Apr	1906	1920	1939	C2.3			4420
22 Apr	2302	2314	2327	C3.0			4420
23 Apr	0102	0117	0129	C4.4			
23 Apr	0216	0223	0230	C1.9			4420
23 Apr	0424	0435	0448	M1.6			4419
23 Apr	0450	0459	0508	M1.2	1F	N18E43	4420
23 Apr	0748	0757	0806	C4.5	SF	N18E35	4420
23 Apr	0806	0811	0819	C5.6	SF	N17E35	4420
23 Apr	0840	0848	0853	M4.3	SN	N18W62	4419
23 Apr	0947	0953	0957	C2.3			
23 Apr	1151	1158	1204	C1.4			4421
23 Apr	1226	1230	1237	C1.3			4420
23 Apr	1259	1302	1308	C2.1	SF	N17E30	4420
23 Apr	1313	1313	1316		SF	N17E34	4420
23 Apr	1342	1400	1411	M1.7	SF	N17W65	4419
23 Apr	B1416	1416	1418		SF	N17W66	4419
23 Apr	B1416	1417	1423		SF	N16E31	4420
23 Apr	1514	1527	1542	C1.4	SF	N17E33	4420
23 Apr	1643	1643	1648		SF	S05E46	4421
23 Apr	1700	1708	1714	M4.9	1N	N17W65	4419
23 Apr	1814	1815	1818		SF	N15E23	4420



## *Flare List*

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
23 Apr	1959	2006	2010	C4.1			4420
23 Apr	2304	2316	2323	C3.6			4423
24 Apr	0051	0107	0113	X2.4			4419
24 Apr	0357	0401	0405	C7.9			4423
24 Apr	0522	0530	0543	C3.1			4419
24 Apr	0707	0711	0718	C3.9	SF	S04E41	4421
24 Apr	0801	0813	0818	X2.5	2B	N19W73	4419
24 Apr	0857	0907	0919	M1.9			4223
24 Apr	1050	1057	1101	C4.5			
24 Apr	1216	1221	1232	C3.9			
24 Apr	1234	1301	1314	M1.7	1F	S06E37	4423
24 Apr	1345	1348	1402		SF	S04E37	4423
24 Apr	1418	1418	1420		SF	N18E19	4420
24 Apr	1421	1423	1428		SF	N18E19	4420
24 Apr	1433	1438	1445	C3.5	SF	S06E37	4423
24 Apr	1520	1521	1527		SF	S05E35	4423
24 Apr	1555	1606	1614	C3.7	SF	S05E35	4423
24 Apr	1640	1644	1648	C3.4	SF	S05E34	4423
24 Apr	1704	1715	1726	C7.0	1F	S06E35	4423
24 Apr	1754	1815	1830	M6.4	1F	N18W80	4419
25 Apr	0017	0025	0028	C2.7			
25 Apr	0117	0133	0153	C4.6	SF	S07E34	4423
25 Apr	0703	0708	0712	C1.3			4425
25 Apr	0740	0746	0749	C2.5			4425
25 Apr	0756	0759	0803	M1.3	SF	S05E27	4423
25 Apr	0930	0932	0935	C2.1			4425
25 Apr	0947	0954	0956	C3.2	SF	N17E10	4420
25 Apr	1001	1002	1006		SF	S06E25	4423
25 Apr	1225	1231	1234	C1.4			4425
25 Apr	1252	1254	1301		SF	N18E40	4424
25 Apr	1312	1320	1328	C3.8			4419
25 Apr	1422	1430	1432	M1.1			4425
25 Apr	1424	1424	1439		SF	N17E39	4424
25 Apr	1429	1430	1432		SF	N07E73	4425
25 Apr	1553	1602	1608	C2.1			4425
25 Apr	1628	1628	1631		SF	N17E38	4424
25 Apr	1650	1650	1657		SF	N16E11	4420
25 Apr	1926	1938	1953	C3.9			4420



## *Flare List*

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
25 Apr	2124	2126	2129	C3.5			4423
25 Apr	2342	2348	2355	C1.9			4423
26 Apr	0008	0023	0035	M1.3			4425
26 Apr	0519	0526	0531	C2.1			4424
26 Apr	0538	0539	0543		SF	N05E59	4425
26 Apr	0708	0719	0726	C3.8			4425
26 Apr	0907	0912	0921	C1.2			4420
26 Apr	1104	1117	1126	C3.5	SF	N15W12	4420
26 Apr	1119	1120	1122		SF	N06E60	4425
26 Apr	1132	1136	1140	C3.6	SF	N15W11	4420
26 Apr	1218	1222	1231	C1.9	SF	N16W12	4420
26 Apr	1231	1237	1241	C2.5			4420
26 Apr	1350	1418	1418	M1.4	SF	N15W12	4420
26 Apr	1418	1425	1433	C8.4	SF	N05E58	4425
26 Apr	1504	1511	1518	C2.7	SF	N06E60	4425
26 Apr	1518	1522	1529	C2.9	SF	N16W09	4420
26 Apr	1539	1542	1543		SF	N07E55	4425
26 Apr	1549	1601	1607	C5.0			4425
26 Apr	1550	1600	1603		SF	N16W09	4420
26 Apr	1558	1601	1607		SF	N06E56	4425
26 Apr	1607	1613	1619	C4.9			
26 Apr	1643	1647	1653		SF	N15W15	4420
26 Apr	1734	1739	1742	C5.4			
26 Apr	1757	1803	1809	C9.7	SF	N05E56	4425
26 Apr	1900	1915	1918	C8.8			4420
26 Apr	1918	1924	1927	M1.7			
26 Apr	1920	1922	1939		1F	N15W16	4420
26 Apr	1945	1946	1950		SF	N05E55	4425
26 Apr	1954	2004	2007	M2.2	1N	N05E55	4425
26 Apr	2130	2135	2137	C4.9			
26 Apr	2139	2148	2154	C7.7			
26 Apr	2243	2248	2251	C5.4			
26 Apr	2251	2257	2302	M6.0			



## 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 4414</b>																							
07 Apr	N12E76		25	30	2	Hsx	1	A	1														
08 Apr	N15E62		26	30	3	Dro	3	B	4				2										
09 Apr	N15E50		25	30	5	Cri	3	B															
10 Apr	N15E37		25	20	3	Cro	2	B					2										
11 Apr	N15E25		23	10	3	Bxo	2	B															
12 Apr	N15E11		24	plage																			
13 Apr	N15W03		25	plage					1				1										
14 Apr	N15W17		26	plage									1										
15 Apr	N15W31		27	plage																			
16 Apr	N15W45		27	plage																			
17 Apr	N15W59		28	plage																			
18 Apr	N15W73		29	plage																			
19 Apr	N15W87		30	plage																			
									6	0	0	6	0	0	0	0	0						

Crossed West Limb.

Absolute heliographic longitude: 25

<b>Region 4415</b>																							
08 Apr	S18E74		14	100	2	Hsx	1	A															
09 Apr	S18E60		14	80	2	Hsx	1	A															
10 Apr	S18E47		15	100	3	Hsx	1	A															
11 Apr	S18E34		14	100	3	Hsx	1	A															
12 Apr	S18E18		17	100	6	Cso	4	B															
13 Apr	S18E08		14	90	5	Hsx	4	A															
14 Apr	S18W05		14	90	3	Hsx	4	A															
15 Apr	S18W19		15	90	3	Hsx	3	A															
16 Apr	S18W33		15	60	2	Hsx	1	A															
17 Apr	S18W46		15	40	2	Hsx	1	A															
18 Apr	S18W61		17	60	2	Hsx	1	A															
19 Apr	S18W74		17	30	2	Hsx	1	A															
20 Apr	S18W85		15	60	2	Hsx	1	A															
									0	0	0	0	0	0	0	0	0						

Crossed West Limb.

Absolute heliographic longitude: 14



### *Region Summary - continued*

Date	Location		Sunspot Characteristics				Flares										
	Lat CMD	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 4418</b>																	
13 Apr	S11E07	15	20	3	Cro	3	B										
14 Apr	S11W07	15	5	3	Bxo	2	B										
15 Apr	S11W21	17	plage														
16 Apr	S11W35	17	plage														
17 Apr	S11W49	18	plage														
18 Apr	S11W63	19	plage														
19 Apr	S11W77	20	plage														
								0	0	0	0	0	0	0	0	0	

Died on Disk.

Absolute heliographic longitude: 15

<b>Region 4419</b>																	
13 Apr	N13E71	311	80	7	Cso	5	B										
14 Apr	N13E58	311	100	10	Csi	12	BG										
15 Apr	N13E43	313	260	11	Eki	17	BG					1					
16 Apr	N13E29	313	280	12	Eki	23	BG	4				6					
17 Apr	N14E15	314	360	12	Eki	16	BG	1				2					
18 Apr	N13E01	315	270	12	Eho	12	BG										
19 Apr	N14W12	315	240	11	Eao	14	BG										
20 Apr	N14W24	313	260	12	Eho	25	BG	1				2					
21 Apr	N15W37	313	250	12	Eho	14	BG										
22 Apr	N15W50	314	220	11	Eao	10	B										
23 Apr	N15W63	312	220	13	Eso	7	BGD		4			3	1				
24 Apr	N15W79	316	230	12	Eso	7	BGD	1	1	2		1	1				
25 Apr	N17W93	316	60	5	Dso	2	BG	1									
								8	5	2	14	2	1	0	0		

Crossed West Limb.

Absolute heliographic longitude: 315

<b>Region 4420</b>																	
21 Apr	N16E52	224	60	6	Dao	6	BG	9				4					
22 Apr	N16E38	225	180	10	Dai	15	BG	9				4					
23 Apr	N16E25	225	250	13	Eki	20	BGD	7	1			7	1				
24 Apr	N17E10	227	280	15	Eki	20	BGD					2					
25 Apr	N16W01	225	400	16	Fki	30	BGD	2				2					
26 Apr	N16W16	227	380	16	Fkc	30	BGD	7	1			7	1				
								34	2	0	26	2	0	0	0		

Still on Disk.

Absolute heliographic longitude: 225



**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	4		
<b>Region 4421</b>																		
21 Apr	S09E72	204	50	9	Cao	3	B	1										
22 Apr	S10E58	205	60	12	Dso	3	B											
23 Apr	S11E39	211	45	2	Hsx	1	A	1				1						
24 Apr	S11E24	213	45	2	Hsx	1	A	1										
25 Apr	S11E12	212	50	2	Hsx	2	A											
26 Apr	S12W03	213	40	2	Hsx	2	A											
								3	0	0	1	0	0	0	0	0		

Still on Disk.  
Absolute heliographic longitude: 213

<b>Region 4422</b>																		
21 Apr	N09W30	306	20	3	Cro	5	B											
22 Apr	N09W44	307	40	4	Cao	4	B					1						
23 Apr	N08W56	306	25	4	Cro	3	B											
24 Apr	N08W73	310	15	1	Hrx	1	A											
25 Apr	N08W85	308	5	1	Hrx	1	A											
								0	0	0	1	0	0	0	0	0		

Crossed West Limb.  
Absolute heliographic longitude: 306

<b>Region 4423</b>																		
23 Apr	S05E45	206	plage									1						
24 Apr	S05E30	206	100	5	Dai	13	BD	5	1			5	2					
25 Apr	S05E18	206	90	7	Dai	9	BGD	3	1			3						
26 Apr	S06E04	206	40	7	Dso	7	B											
								9	2	0	8	2	0	0	0	0		

Still on Disk.  
Absolute heliographic longitude: 206

<b>Region 4424</b>																		
24 Apr	N17E45	192	30	7	Cro	6	B											
25 Apr	N16E33	191	85	9	Dsi	11	B					3						
26 Apr	N17E19	191	130	10	Dsi	12	B	1										
								1	0	0	3	0	0	0	0	0		

Still on Disk.  
Absolute heliographic longitude: 191



### *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 4425*

24 Apr	N06E76	161	75	7	Dso	5	B											
25 Apr	N05E66	158	130	11	Eac	6	BG	5	1			1						
26 Apr	N05E50	160	140	12	Esc	14	BGD	5	2			8	1					
								10	3	0		9	1	0	0	0	0	

Still on Disk.

Absolute heliographic longitude: 160

#### *Region 4426*

25 Apr	N12W37	261	10	2	Axx	2	A											
26 Apr	N12W52	262	5	1	Axx	1	A											
								0	0	0		0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 261

#### *Region 4427*

25 Apr	S30E67	157	10	1	Axx	1	A											
26 Apr	S30E53	158	10	1	Axx	1	A											
								0	0	0		0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 158



## ***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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