Space Weather Highlights
06 March - 12 March 2023

SWPC PRF 2480
13 March 2023

Solar activity ranged from low to high levels. There were five M-class (R1-R2 Minor-Moderate) flares over the reporting period. The largest was an M5.8/2n (R2) flare from Region 3243 (N18, L=306, class/area=Dao/110 on 05 Mar). Associated with the event was a Type II radio sweep, a Tenflare and a CME signature in SOHO/LASCO imagery. The ejecta was analyzed and determined to not contain an Earth-directed component. Region 3242 (N10, L=218, class/area=Esc/300 on 07 Mar) and Region 3245 (S23, L=196, class/area=Dhi/440 on 08 Mar) also produced M-class (R1) events. The remaining 11 other spotted regions were either quiet or only produced C-class events.

Other activity included three filament eruptions. The first was a SW quadrant eruption near S20W50, beginning around 10/1600 UTC. The second was just south of the first, which began erupting around 11/1648 UTC. Both were analyzed and modeled. Although they were mostly oriented to the SW of Earth, the potential for a glancing blow was determined to be likely around 15 Mar. Finally, the third filament eruption, which began around 12/1730 UTC and in the SE quadrant near Region 3251 (S13, L=121, class/area=Hsx/50 on 12 Mar), produced a CME signature first seen in SOHO/LASCO C2 imagery at 12/1912 UTC. Analysis and modeling of the event is ongoing.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at moderate to high levels. High levels were observed on 06-10 Mar due to influence from a negative polarity CH HSS. 11-12 Mar were at normal to moderate levels.

Geomagnetic field activity was at quiet to active levels. Waning coronal hole influence elevated winds speeds to between 500-600 km/s on 06-07 Mar before declining to nominal levels by 08 Mar. This produced isolated periods of active conditions over 06 Mar, which then declined to quiet to unsettled levels on 07-08 Mar. Weak transient influence increased total field strength to 8-9 nT on 09-10 Mar. This also produced isolated active periods on both days. Despite another weak transient influence observed in the IMF over 12 Mar, the remainder of the summary period was at quiet to unsettled levels.

Space Weather Outlook
13 March - 08 April 2023

Solar activity is expected to be at low levels with a slight chance for M-class (R1-R2 Minor - Moderate) flares over the outlook period. This is due to multiple regions that have either produced M-class activity already or are sufficiently complex to produce M-class activity currently being on the visible disk or expected to return to the visible disk during the outlook period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to range from moderate to high levels. High levels are likely on 27 Mar 06 Apr due to recurrent coronal hole influence. The remainder of the outlook period is expected to be at moderate levels.

Geomagnetic field activity is expected to range from quiet to minor storm levels (G1 - Minor). G1 conditions are likely on 15 Mar due to anticipated effects from CMEs that left the Sun on 10-11 Mar. G1 conditions are again likely on 26 Mar and 30-31 Mar in response recurrent coronal hole activity. Active conditions 20 Mar, 25 Mar, 27 Mar and 01 Apr along with unsettled conditions on 14 Mar, 16 Mar, 19 Mar, 24 Mar, 28-29 Mar and 02-08 Apr are also due to recurrent features in the solar wind. 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^{-6} hemi.)	X-ray Background Flux	Flares							
					X-ray			Optical				
					C	M	X	S	1	2	3	4
06 March	188	173	1020	C1.6	5	3	0	4	0	1	0	0
07 March	180	191	1220	C1.1	6	0	0	2	0	0	0	0
08 March	182	146	1285	C1.1	6	2	0	7	1	0	0	0
09 March	179	155	740	C1.0	14	0	0	8	1	0	0	0
10 March	171	135	700	C1.0	5	0	0	6	2	0	0	0
11 March	157	126	720	B8.2	6	0	0	4	0	0	0	0
12 March	150	135	690	B6.8	2	0	0	2	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
06 March	1.6e+05	2.2e+04	1.6e+08
07 March	8.7e+04	2.2e+04	1.5e+08
08 March	6.3e+04	2.3e+04	2.0e+08
09 March	9.0e+04	2.2e+04	7.1e+07
10 March	2.1e+05	2.3e+04	4.2e+07
11 March	1.0e+05	2.3e+04	2.1e+07
12 March	7.3e+04	2.3e+04	1.4e+07

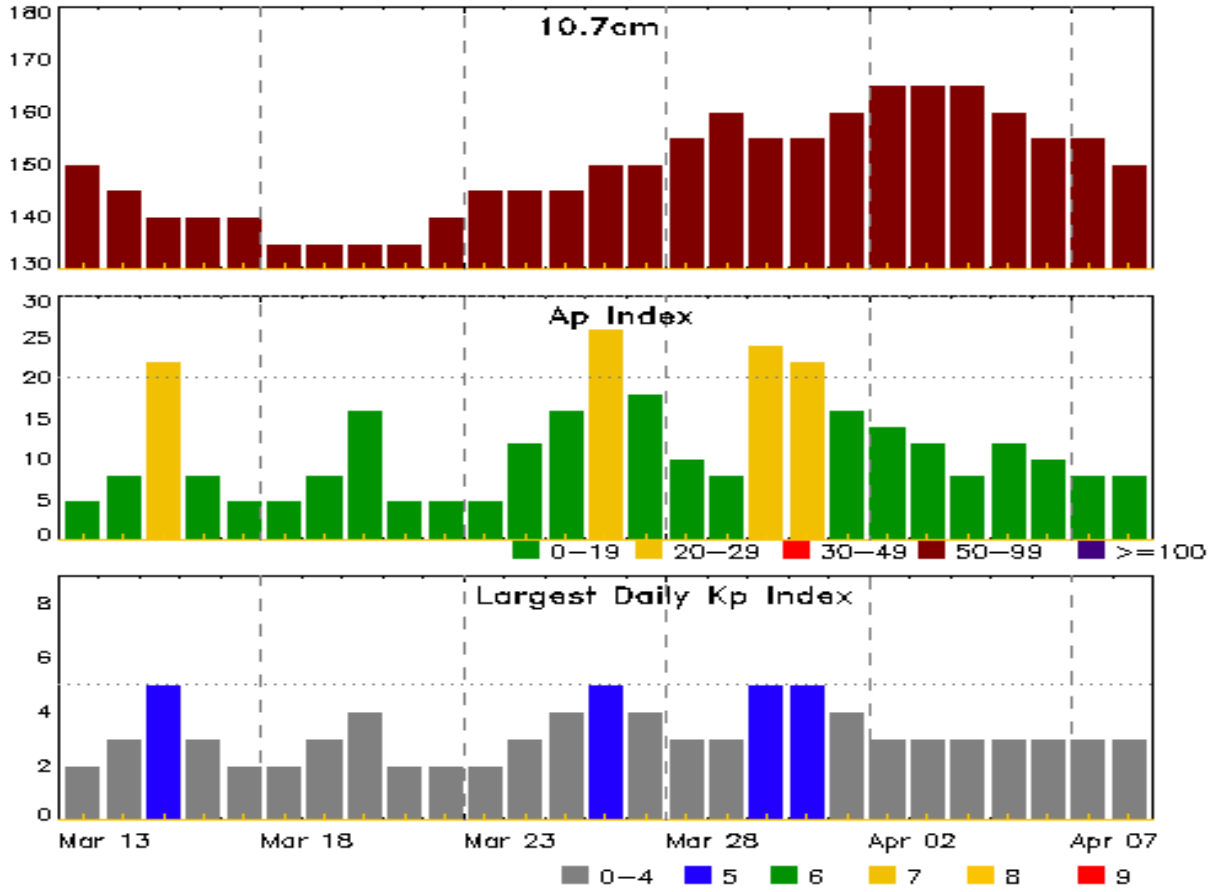
Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
06 March	11	3-2-2-2-3-3-2-3	20	3-3-2-5-4-4-2-3	15	4-3-2-2-3-3-3-4
07 March	7	2-2-2-3-2-2-1-1	22	3-4-5-5-4-2-1-0	11	3-3-3-3-2-1-1-1
08 March	6	0-1-2-2-2-2-2-2	9	1-2-3-4-1-1-2-2	8	1-2-2-2-1-1-3-3
09 March	14	2-3-4-3-3-3-2-2	28	2-2-6-5-4-5-2-1	17	2-3-4-4-3-3-3-2
10 March	10	4-1-2-1-2-3-2-2	11	2-1-3-0-3-4-3-2	11	4-2-2-1-1-3-2-3
11 March	5	2-1-1-1-2-1-2-2	4	2-2-1-1-0-1-1-1	7	3-2-1-1-1-1-2-3
12 March	6	2-1-3-2-2-0-1-1	10	2-1-4-4-2-1-0-1	12	3-2-3-3-1-1-1-1

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
06 Mar 0227	ALERT: X-ray Flux exceeded M5	06/0224
06 Mar 0315	ALERT: Type IV Radio Emission	06/0238
06 Mar 0317	SUMMARY: 10cm Radio Burst	06/0235 - 0256
06 Mar 0338	SUMMARY: X-ray Event exceeded M5	06/0208 - 0235
06 Mar 0508	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	28/2155
06 Mar 1111	EXTENDED WARNING: Geomagnetic K = 4	04/2225 - 06/2359
06 Mar 2304	EXTENDED WARNING: Geomagnetic K = 4	04/2225 - 07/0900
07 Mar 0521	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	28/2155
07 Mar 0853	EXTENDED WARNING: Geomagnetic K = 4	04/2225 - 07/1800
08 Mar 0502	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	28/2155
09 Mar 0438	WARNING: Geomagnetic K = 4	09/0437 - 1500
09 Mar 0632	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	28/2155
09 Mar 0738	ALERT: Geomagnetic K = 4	09/0737
09 Mar 0841	WARNING: Geomagnetic K = 5	09/0840 - 1500
09 Mar 1444	EXTENDED WARNING: Geomagnetic K = 4	09/0437 - 1800
10 Mar 0038	WARNING: Geomagnetic K = 4	10/0038 - 0600
10 Mar 0115	ALERT: Geomagnetic K = 4	10/0106
10 Mar 0555	EXTENDED WARNING: Geomagnetic K = 4	10/0038 - 1200
10 Mar 1543	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	28/2155
12 Mar 1127	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
13 Mar	150	5	2	27 Mar	150	18	4
14	145	8	3	28	155	10	3
15	140	22	5	29	160	8	3
16	140	8	3	30	155	24	5
17	140	5	2	31	155	22	5
18	135	5	2	01 Apr	160	16	4
19	135	8	3	02	165	14	3
20	135	16	4	03	165	12	3
21	135	5	2	04	165	8	3
22	140	5	2	05	160	12	3
23	145	5	2	06	155	10	3
24	145	12	3	07	155	8	3
25	145	16	4	08	150	8	3
26	150	26	5				

Energetic Events

	Time			X-ray		Optical Information			Peak Radio Flux		Sweep Freq Intensity	
Date	Begin	Max	Half Max	Class	Integ Flux	Imp/ Brtns	Location Lat	CMD	Rgn #	245	2695	II	IV
06 Mar	0208	0228	0235	M5.8	0.044	2N	N19W65		3243		480		1
06 Mar	0857	0912	0937	M1.3	0.021								
06 Mar	1724	1750	1810	M1.0	0.021				3242				
08 Mar	0953	1012	1046	M1.1	0.026				3242				
08 Mar	2235	2244	2252	M1.3	0.007	1N	S24E14		3245	110			

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
06 Mar	0114	0122	0129	C2.6			3243
06 Mar	0208	0228	0235	M5.8	2N	N19W65	3243
06 Mar	0418	0422	0445		SF	S24E50	3245
06 Mar	0857	0912	0937	M1.3			
06 Mar	1201	1218	1230	C5.0			3243
06 Mar	1419	1424	1430	C4.2			3241
06 Mar	1430	1442	1449	C7.2	SF	N31E09	3241
06 Mar	1446	1446	1504		SF	N30E07	3241
06 Mar	1705	1714	1724	C2.3			3243
06 Mar	1724	1750	1810	M1.0			3242
06 Mar	2232	2233	2238		SF	N18W75	3243
07 Mar	0106	0107	0111		SF	N08E05	3242
07 Mar	0223	0239	0314	C4.0	SF	S26E40	3245
07 Mar	0358	0405	0412	C4.7			3243
07 Mar	0811	0820	0828	C3.0			3243
07 Mar	1026	1037	1049	C1.8			3245
07 Mar	1244	1250	1254	C1.6			3242
07 Mar	1733	1749	1824	C2.6			3245
08 Mar	0240	0247	0253	C1.8	SF	S22W75	3244
08 Mar	0519	0525	0529	C1.7	SF	N15W57	3248
08 Mar	0527	0539	0542		SF	S24E27	3245
08 Mar	0736	0748	0758		SF	S24E27	3245
08 Mar	0953	1012	1046	M1.1			3242
08 Mar	1335	1341	1355	C3.3			3242
08 Mar	1357	1415	1419		SF	N10W05	3242
08 Mar	1517	1517	1521		SF	N10W05	3242

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
08 Mar	1621	1635	1653	C2.0			
08 Mar	1927	1944	2011	C3.7	SF	S23E16	3245
08 Mar	2235	2244	2252	M1.3	1N	S24E14	3245
08 Mar	2357	0007	0022	C1.8			3248
09 Mar	0044	0054	0107	C4.2	SF	N11W10	3242
09 Mar	0114	0119	0127	C3.9			
09 Mar	0235	0237	0243		SF	S24E14	3245
09 Mar	0624	0631	0637	C1.4	SF	N11W10	3242
09 Mar	0830	0904	0919	C3.1			3245
09 Mar	1003	1011	1026	C1.8			
09 Mar	B1100	U1101	A1115		SF	S23E07	3245
09 Mar	1224	U1244	1250		SF	N13W11	3242
09 Mar	1251	1252	1306		SF	N08W22	3242
09 Mar	1338	1353	1402	C3.0	1F	N12W11	3242
09 Mar	1402	1414	1430	C3.5			
09 Mar	1444	U1456	A1538	C3.7	SF	S22E05	3245
09 Mar	1744	1744	1755		SF	S23E03	3245
09 Mar	1810	1816	1823	C2.4			3250
09 Mar	1824	1830	1836	C2.6			3245
09 Mar	1959	2011	2017	C3.1			3245
09 Mar	2017	2024	2032	C6.2			3245
09 Mar	2056	2109	2125	C2.9			3250
09 Mar	2321	2331	2342	C3.4			3252
10 Mar	0642	0708	0718	C7.1	1F	S24E00	3245
10 Mar	B0937	U1028	A1214	C4.5	1F	S25W10	3245
10 Mar	1016	1024	1028	C3.9			3242
10 Mar	1128	1134	1149		SF	N11W23	3242
10 Mar	B1215	U1215	A1220		SF	S23W07	3245
10 Mar	1312	1333	1348	C2.5	SF	S13W65	3240
10 Mar	1438	1455	1511	C3.2	SF	S20W09	3245
10 Mar	1540	1542	1546		SF	N09W35	3242
10 Mar	2044	2048	2056		SF	N24E49	
11 Mar	0039	0040	0106	C4.9	SF	S25W17	3245
11 Mar	0530	0535	0547	C1.4	SF	S23W20	3245
11 Mar	0603	0610	0619	C1.3			3245
11 Mar	1008	1016	1024	C1.2	SF	S26W19	3245
11 Mar	1029	1038	1045	C1.2			3245
11 Mar	1435	1438	1644	C1.6	SF	S20W21	3245

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
12 Mar	0607	0607	0611		SF	S26W33	3245
12 Mar	0702	0719	0732	C3.2	SF	S30E09	3253
12 Mar	1010	1018	1027	C1.5			3245

Region Summary

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Region 3238													
27 Feb	N08E62	259	50	1	Hsx	1	A								
28 Feb	N09E50	258	70	2	Hsx	1	A								
01 Mar	N09E36	259	70	2	Hsx	1	A								
02 Mar	N09E22	260	70	2	Hsx	1	A								
03 Mar	N09E09	260	70	2	Hsx	1	A								
04 Mar	N09W05	260	80	3	Hsx	3	A								
05 Mar	N09W18	260	90	3	Cso	4	B		2		2				
06 Mar	N11W30	259	80	3	Hsx	1	A								
07 Mar	N08W44	260	30	2	Hsx	1	A								
08 Mar	N09W58	261	30	5	Cro	1	B								
09 Mar	N09W72	262	10	1	Axx	1	A								
								0	2	0	2	0	0	0	0

Died on Disk.
Absolute heliographic longitude: 260

		Region 3239													
28 Feb	N30E69	238	90	3	Hsx	1	A								
01 Mar	N30E55	241	100	2	Hsx	1	A								
02 Mar	N31E41	241	100	2	Hsx	1	A								
03 Mar	N31E28	241	100	2	Hsx	1	A	1							
04 Mar	N31E14	241	100	3	Hsx	1	A								
05 Mar	N31E01	241	110	3	Hsx	1	A								
06 Mar	N31W12	241	120	3	Hsx	1	A								
07 Mar	N33W25	241	100	2	Hsx	1	A								
08 Mar	N33W37	240	140	2	Hsx	1	A								
09 Mar	N32W41	241	70	2	Hsx	1	A								
10 Mar	N32W57	243	70	2	Hsx	1	A								
11 Mar	N32W70	233	70	2	Hsx	1	A								
12 Mar	N32W83	233	70	2	Hsx	1	A								
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 241

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 3240												
01 Mar	S16E55	240	10	2	Bxo	3	B	2	1		1	1			
02 Mar	S16E41	241	10	2	Bxo	2	B								
03 Mar	S16E28	241	30	4	Cro	6	B								
04 Mar	S16E14	241	10	5	Bxo	6	B								
05 Mar	S16E01	241	10	5	Bxo	5	B								
06 Mar	S16W13	242	10	9	Cro	6	B								
07 Mar	S10W35	251	10	7	Bxo	4	B								
08 Mar	S09W49	252	plage												
09 Mar	S09W63	253	plage												
10 Mar	S09W77	253	plage					1			1				
								3	1	0	2	1	0	0	0

Died on Disk.
Absolute heliographic longitude: 241

			Region 3241												
01 Mar	N27E73	222	50	4	Hsx	3	A								
02 Mar	N27E59	223	70	4	Hsx	2	A								
03 Mar	N27E46	223	70	4	Hsx	2	A								
04 Mar	N27E32	223	60	2	Hsx	1	A								
05 Mar	N27E19	223	50	2	Hsx	1	A								
06 Mar	N27E05	224	50	1	Hsx	1	A	2			2				
07 Mar	N28W08	224	40	1	Hsx	1	A								
08 Mar	N29W22	225	70	1	Hsx	1	A								
09 Mar	N28W36	226	20	1	Hsx	1	A								
10 Mar	N28W48	224	30	1	Hax	1	A								
11 Mar	N28W61	224	30	1	Hsx	1	A								
12 Mar	N28W74	224	10	1	Axx	1	A								
								2	0	0	2	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 224

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 3242												
02 Mar	N10E66	216	220	6	Cao	5	B								
03 Mar	N10E53	216	230	6	Cao	8	B	2			10	1			
04 Mar	N10E39	216	140	8	Cai	16	B	6	1		5	2	2		
05 Mar	N10E26	216	170	14	Eai	16	B	2	1		5				
06 Mar	N10E12	217	240	13	Esc	23	B		1						
07 Mar	N10W02	218	300	15	Esc	27	BD	1			1				
08 Mar	N10W15	218	245	14	Esi	18	BG	1	1		2				
09 Mar	N09W29	219	170	14	Esi	13	BG	3			4	1			
10 Mar	N10W44	220	110	10	Cso	7	B	1			2				
11 Mar	N10W57	224	100	2	Hsx	1	A								
12 Mar	N11W72	222	100	2	Hsx	1	A								
								16	4	0	29	4	2	0	0

Still on Disk.
Absolute heliographic longitude: 218

			Region 3243												
03 Mar	N18W37	306	10	4	Bxo	4	B								
04 Mar	N18W51	306	90	6	Cao	12	B	1	1		5				
05 Mar	N18W64	306	110	8	Dao	12	B	3	1		1				
06 Mar	N18W78	307	110	8	Dao	8	B	3	1		1		1		
07 Mar	N18W89	305	80	1	Dao	1	B	2							
								9	3	0	7	0	1	0	0

Crossed West Limb.
Absolute heliographic longitude: 306

			Region 3244												
03 Mar	S22W19	288	20	4	Cro	2	B								
04 Mar	S22W33	288	20	2	Hrx	2	A								
05 Mar	S22W46	288	30	6	Dso	5	B				1				
06 Mar	S22W60	289	30	6	Cro	5	B								
07 Mar	S22W74	290	40	5	Cro	7	B								
08 Mar	S22W88	291	30	8	Cro	3	B	1			1				
								1	0	0	2	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 288

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 3245												
03 Mar	S23E74	195	80	3	Hsx	1	A								
04 Mar	S23E60	195	120	3	Hsx	1	A	1			1				
05 Mar	S23E47	195	140	4	Hax	2	A	1							
06 Mar	S23E33	196	250	4	Dko	9	BG				1				
07 Mar	S22E22	196	300	4	Dki	13	B	3			1				
08 Mar	S23E07	196	440	5	Dhi	11	BG	1	1		3	1			
09 Mar	S24W07	197	250	7	Dho	11	BG	5			4				
10 Mar	S23W18	194	220	4	Csi	9	B	3			2	2			
11 Mar	S23W31	194	220	4	Cso	7	B	6			4				
12 Mar	S23W44	194	210	3	Cso	2	B	1			1				
								21	1	0	17	3	0	0	0

Still on Disk.
Absolute heliographic longitude: 196

			Region 3246												
05 Mar	N23E70	172	60	2	Hsx	1	A				4				
06 Mar	N23E56	173	80	4	Cao	4	B								
07 Mar	N24E42	174	60	6	Cao	3	B								
08 Mar	N23E28	175	50	6	Hax	1	A								
09 Mar	N25E14	176	40	1	Hax	1	A								
10 Mar	N25W00	176	50	2	Cao	3	B								
11 Mar	N24W13	176	30	2	Hsx	2	A								
12 Mar	N24W26	176	30	2	Hsx	2	A								
								0	0	0	4	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 176

			Region 3247												
06 Mar	S23E68	161	50	2	Dao	2	B								
07 Mar	S23E54	162	90	3	Cso	3	B								
08 Mar	S24E41	162	100	4	Cao	3	B								
09 Mar	S24E28	162	70	7	Cso	5	B								
10 Mar	S23E16	160	70	7	Cso	6	B								
11 Mar	S23E03	160	70	4	Cso	4	B								
12 Mar	S23W10	160	60	3	Cso	3	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 160

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
			Region 3248												
06 Mar	N17W47	276	0	4	Cro	3	B								
07 Mar	N19W60	216	50	6	Cro	9	B								
08 Mar	N15W72	275	30	6	Cro	6	B	2			1				
09 Mar	N15W85	275	20	1	Cro	6	B								
								2	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 276

			Region 3249												
07 Mar	S12E75	141	120	1	Hsx	1	A								
08 Mar	S12E61	142	150	2	Hax	1	A								
09 Mar	S11E47	143	30	1	Hax	1	A								
10 Mar	S11E34	142	70	2	Hsx	1	A								
11 Mar	S11E21	142	60	1	Hsx	1	A								
12 Mar	S11E08	142	50	2	Hsx	2	A								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 142

			Region 3250												
09 Mar	S20E45	145	10	3	Bxo	4	B	2							
10 Mar	S20E32	144	10	4	Bxo	5	B								
11 Mar	S20E19	144	70	4	Cao	7	B								
12 Mar	S20E06	144	80	5	Cao	7	B								
								2	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 144

			Region 3251												
09 Mar	S13E69	121	50	2	Hsx	1	A								
10 Mar	S13E55	121	50	3	Hsx	1	A								
11 Mar	S13E42	121	50	2	Hsx	1	A								
12 Mar	S13E29	121	50	2	Hsx	1	A								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 121

Region Summary - continued

	Location		Sunspot Characteristics					Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon	10^{-6} hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Region 3252													
09 Mar	N16E74	116	plage					1							
10 Mar	N16E60	116	20	1	Hsx	1	A								
11 Mar	N13E47	116	20	1	Hsx	1	A								
12 Mar	N13E34	116	20	1	Hsx	1	A								
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 116

		Region 3253													
12 Mar	S30W01	151	10	3	Bxo	4	B	1							
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 151

Preliminary Report and Forecast of Solar Geophysical Data (The Weekly)

Published every Monday by the Space Weather Prediction Center.

U.S. Department of Commerce
NOAA / National Weather Service
Space Weather Prediction Center
325 Broadway, Boulder CO 80305

Notice: The 27-day Outlook, Satellite Environment, X-ray and Proton plots have been redesigned. Comments and suggestions are welcome SWPC.Webmaster@noaa.gov

The Weekly has been published continuously since 1951 and is available online since 1997.

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