Space Weather Highlights
02 June - 08 June 2025

SWPC PRF 2597
09 June 2025

Solar activity ranged from low to moderate levels. Regions 4100 (N08, L=245, class/area Eki/440 on 31 May) and 4105 (S15, L=130, class/area Eai/130 on 05 Jun) produced a few weak M-class (R1/Minor) flares this period. The largest event was an M3.3/2b flare observed at 02/1118 UTC from Region 4100. Weak, Earth-directed CME signatures were observed on 03 and 07 June.

The greater than 10 MeV proton event that began at 31/1710 UTC, reached the S2 (Moderate) levels at 01/0540 UTC, peaked at 666 pfu at 01/0915 UTC, decreased below S2 levels at 01/1245 UTC and ended at 02/0520 UTC.

The greater than 2 MeV electron flux at geosynchronous orbit was at high levels on 02-06 June with a peak flux of 5,180 pfu observed at 06/1615 UTC. Normal to moderate levels were observed on 07-08 June.

Geomagnetic field activity was at Minor (G1) to Strong (G3) levels on 02-04 June due to CME effects. During this period, total field (Bt) peaked at 17 nT while Bz reached a southward extent of -15 nT. Wind speeds began the period at 900 km/s, but decayed to near 500 km/s by 04 June. Mostly quiet to active levels were observed on 05-08 June under weaker CME effects coupled with some negative polarity CH HSS effects.

Space Weather Outlook
09 June - 05 July 2025

Solar activity is expected to be at a chance for R1-R2 (Minor-Moderate) levels throughout the outlook period due to multiple regions on the visible disk as well as multiple active regions scheduled to return from the farside of the Sun.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at high levels on 15-22 Jun, 26-29 Jun and 02-04 Jul following recurrent coronal hole influence. The remainder of the period is expected to be at normal to moderate levels.

Geomagnetic field activity is expected to be at some elevated levels due to anticipated influence from multiple, recurrent coronal holes and some CME influence early in the outlook period. G1 (Minor) geomagnetic storms are likely on 09 and 13 Jun due to CME and CH HSS effects with G2 (Moderate) effects likely on 14-15 Jun due to positive polarity CH HSS effects. G1 (Minor) to G2 (Moderate) effects are likely on 25-26 Jun due to negative polarity CH HSS effects. Quiet to unsettled levels are likely 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 C	X-ray M	X-ray X	Optical S	Optical 1	Optical 2	Optical 3	Optical 4
02 June	140	103	700	B9.0	5	2	0	1	0	1	0	0
03 June	135	95	590	B8.2	6	1	0	2	0	0	0	0
04 June	134	92	540	B7.2	5	1	0	3	0	0	0	0
05 June	128	92	460	B6.9	12	0	0	8	0	0	0	0
06 June	128	76	270	B8.3	13	0	0	10	0	0	0	0
07 June	121	103	240	B6.6	7	0	0	2	0	0	0	0
08 June	115	87	150	B5.3	4	0	0	3	0	0	0	0

Daily Particle Data

Date	Proton Fluence (protons/cm^2 -day -sr) >1 MeV	Proton Fluence (protons/cm^2 -day -sr) >10 MeV	Electron Fluence (electrons/cm^2 -day -sr) >2MeV
02 June	1.0e+08	4.1e+05	3.6e+07
03 June	2.4e+07	1.4e+05	6.4e+07
04 June	9.9e+06	4.3e+04	1.0e+08
05 June	1.6e+07	2.4e+04	8.7e+07
06 June	4.6e+06	1.9e+04	2.3e+08
07 June	1.6e+06	1.7e+04	3.9e+07
08 June	7.6e+05	1.5e+04	2.3e+07

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg A	Middle Latitude Fredericksburg K-indices	High Latitude College A	High Latitude College K-indices	Estimated Planetary A	Estimated Planetary K-indices
02 June	38	4-5-5-5-5-4-4-4	88	4-5-7-6-6-7-7-5	69	5-5-6-7-6-5-5-6
03 June	32	4-5-6-4-4-0-2-2	60	5-7-5-6-6-0-3-2	58	6-7-6-5-6-5-3-2
04 June	17	1-3-3-3-4-4-3-3	37	1-4-3-5-6-6-4-3	26	1-4-3-4-5-5-4-3
05 June	15	4-3-3-3-3-2-3-2	16	3-3-3-5-3-2-2-2	12	4-2-2-3-3-3-2-2
06 June	8	2-2-2-2-3-2-2-2	22	3-3-6-5-2-2-2-0	8	2-2-2-2-2-2-2-2
07 June	15	2-2-3-4-3-2-4-3	18	2-3-4-4-4-3-3-2	20	2-2-4-4-2-2-5-4
08 June	13	2-2-2-2-3-3-3-4	18	2-2-1-1-5-5-3-3	9	2-2-2-2-3-4-3-4

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
02 Jun 0137	ALERT: Geomagnetic K = 5	
02 Jun 0457	ALERT: Geomagnetic K = 5	
02 Jun 0810	ALERT: Geomagnetic K = 5	
02 Jun 0844	ALERT: Geomagnetic K = 6	
02 Jun 0927	ALERT: Geomagnetic K = 5	
02 Jun 1026	ALERT: Geomagnetic K = 6	
02 Jun 1105	EXTENDED WARNING: Geomagnetic K = 5	01/0054 - 03/1200
02 Jun 1105	EXTENDED WARNING: Geomagnetic K = 4	28/1747 - 03/2359
02 Jun 1105	EXTENDED WARNING: Geomagnetic K = 6	01/0540 - 02/2359
02 Jun 1105	WARNING: Geomagnetic K>= 7	02/1105 - 2100
02 Jun 1124	ALERT: Geomagnetic K = 7	
02 Jun 1234	ALERT: Geomagnetic K = 5	
02 Jun 1348	ALERT: Geomagnetic K = 6	
02 Jun 1513	ALERT: Electron 2MeV Integral Flux >= 1000pfu	02/1505
02 Jun 1715	ALERT: Geomagnetic K = 5	
02 Jun 1931	ALERT: Geomagnetic K = 5	
02 Jun 2052	EXTENDED WARNING: Geomagnetic K>= 7	02/1105 - 03/0900
02 Jun 2052	WATCH: Geomagnetic Storm Category G1 predicted	
02 Jun 2052	EXTENDED WARNING: Geomagnetic K = 6	01/0540 - 03/1200
02 Jun 2052	SUMMARY: Proton Event 10MeV Integral Flux >= 10pfu	31/1710 - 02/0520
02 Jun 2206	ALERT: Geomagnetic K = 5	
03 Jun 0114	ALERT: Geomagnetic K = 5	
03 Jun 0311	ALERT: Geomagnetic K = 6	
03 Jun 0332	ALERT: Geomagnetic K = 5	
03 Jun 0351	ALERT: Geomagnetic K = 6	
03 Jun 0535	ALERT: Geomagnetic K = 7	
03 Jun 0607	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	02/1505
03 Jun 0632	ALERT: Geomagnetic K = 5	

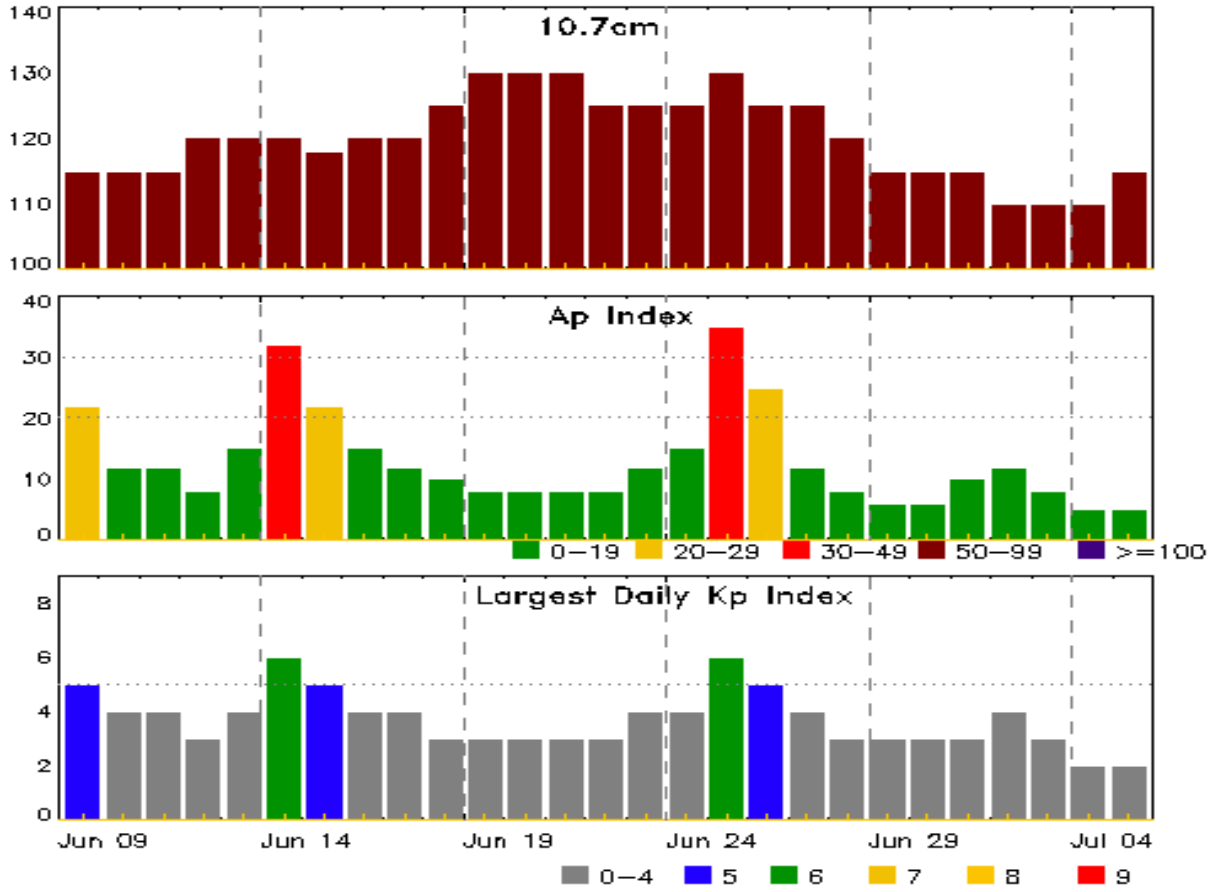
Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
03 Jun 0729	ALERT: Geomagnetic K = 6	
03 Jun 1110	EXTENDED WARNING: Geomagnetic K = 5	01/0054 - 03/2100
03 Jun 1110	EXTENDED WARNING: Geomagnetic K = 5	01/0054 - 03/1800
03 Jun 1110	EXTENDED WARNING: Geomagnetic K = 6	01/0540 - 03/2100
03 Jun 1111	ALERT: Geomagnetic K = 5	
03 Jun 1407	ALERT: Geomagnetic K = 5	
03 Jun 1459	ALERT: Geomagnetic K = 6	
03 Jun 1632	ALERT: Geomagnetic K = 5	
03 Jun 1759	EXTENDED WARNING: Geomagnetic K = 5	01/0054 - 04/0600
03 Jun 1812	EXTENDED WARNING: Geomagnetic K = 4	28/1747 - 04/0900
04 Jun 0500	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	02/1505
04 Jun 0820	EXTENDED WARNING: Geomagnetic K = 4	28/1747 - 04/1800
04 Jun 1251	EXTENDED WARNING: Geomagnetic K = 4	28/1747 - 04/2359
04 Jun 1251	WARNING: Geomagnetic K = 5	04/1248 - 2100
04 Jun 1358	ALERT: Geomagnetic K = 5	
04 Jun 1404	WARNING: Geomagnetic K = 6	04/1404 - 2100
04 Jun 1619	ALERT: Geomagnetic K = 5	
04 Jun 2056	EXTENDED WARNING: Geomagnetic K = 6	04/1404 - 05/0600
04 Jun 2056	EXTENDED WARNING: Geomagnetic K = 5	04/1248 - 05/0900
04 Jun 2110	EXTENDED WARNING: Geomagnetic K = 5	04/1248 - 05/1200
04 Jun 2112	EXTENDED WARNING: Geomagnetic K = 4	28/1747 - 05/1200
04 Jun 2118	WATCH: Geomagnetic Storm Category G1 predicted	
05 Jun 1140	EXTENDED WARNING: Geomagnetic K = 4	28/1747 - 05/2100
05 Jun 1152	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	02/1505
05 Jun 2052	EXTENDED WARNING: Geomagnetic K = 4	28/1747 - 06/1200
06 Jun 0601	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	02/1505
07 Jun 0843	WARNING: Geomagnetic K = 4	07/0843 - 2359

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
07 Jun 0850	ALERT: Geomagnetic K = 4	
07 Jun 1812	WATCH: Geomagnetic Storm Category G1 predicted	
07 Jun 1815	EXTENDED WARNING: Geomagnetic K = 4	07/0843 - 08/0600
07 Jun 2106	WARNING: Geomagnetic K = 5	07/2159 - 08/0300
07 Jun 2107	ALERT: Geomagnetic K = 5	
08 Jun 0555	EXTENDED WARNING: Geomagnetic K = 4	07/0843 - 08/2359
08 Jun 2128	EXTENDED WARNING: Geomagnetic K = 4	07/0843 - 09/1200
08 Jun 2137	WARNING: Geomagnetic K = 5	08/2136 - 09/1200

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
09 Jun	115	22	5	23 Jun	125	12	4
10	115	12	4	24	125	15	4
11	115	12	4	25	130	35	6
12	120	8	3	26	125	25	5
13	120	15	4	27	125	12	4
14	120	32	6	28	120	8	3
15	118	22	5	29	115	6	3
16	120	15	4	30	115	6	3
17	120	12	4	01 Jul	115	10	3
18	125	10	3	02	110	12	4
19	130	8	3	03	110	8	3
20	130	8	3	04	110	5	2
21	130	8	3	05	115	5	2
22	125	8	3				

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
02 Jun	1059	1118	1139	M3.3	0.047	2B	N12	W19	4100		130		
02 Jun	2135	2142	2146	M1.1	0.007				4100				
03 Jun	1252	1303	1312	M1.4	0.012				4105				
04 Jun	2306	2328	2339	M1.1	0.013				4100				

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
02 Jun	1050	1114	1241	M3.3	2B	N12W19	4100
02 Jun	1449	1457	1503	C1.7	SF	N13W21	4100
02 Jun	1729	1735	1744	C1.6			4105
02 Jun	1944	1951	1957	C1.5			4105
02 Jun	2036	2100	2127	C9.2			4105
02 Jun	2135	2142	2146	M1.1			4100
02 Jun	2259	2307	2329	C2.5			4100
03 Jun	0158	0209	0236	C2.2			4105
03 Jun	0412	0427	0435	C2.7			4105
03 Jun	0548	0557	0614	C2.1			4105
03 Jun	0614	0621	0625	C2.3			4105
03 Jun	0934	U0936	0949		SF	N14W28	4100
03 Jun	1129	1136	1149	C1.5			4105
03 Jun	1252	1303	1312	M1.4			4105
03 Jun	1509	1510	1512		SF	N09W42	4100
03 Jun	2137	2144	2147	C1.9			4099
04 Jun	0748	0750	0759		SF	N13W45	4100
04 Jun	1219	1220	1231		SF	N12W46	4100
04 Jun	1304	1310	1314	C1.2			4100
04 Jun	2108	2115	2124	C1.0			4100
04 Jun	2124	2129	2133	C1.0			4100
04 Jun	2134	2139	2143	C1.4	SF	N16W51	4100
04 Jun	2235	2241	2244	C1.6			4100
04 Jun	2306	2328	2339	M1.1			4100
05 Jun	0215	0222	0224	C1.2			4100
05 Jun	0224	0229	0234	C2.3	SF	N15W53	4100
05 Jun	0548	0604	0611	C3.0	SF	N09W64	4100

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
05 Jun	0702	0709	0713	C2.2			4099
05 Jun	0716	0720	0723	C3.0	SF	S14W67	4099
05 Jun	0835	0843	0853	B9.7	SF	N14W61	4100
05 Jun	1031	1037	1042	C1.0			4105
05 Jun	1208	1213	1222	B9.5			4100
05 Jun	1342	1350	1353	C2.4	SF	N13W62	4100
05 Jun	1430	1439	1447	C1.8	SF	S14E53	4105
05 Jun	1531	1547	1604	C8.7	SF	S14E55	4105
05 Jun	1634	1713	1740	C5.7			4105
05 Jun	2105	2112	2117	C1.4			4105
05 Jun	2117	2121	2124	C1.8			4105
05 Jun	2119	2120	2123		SF	S14E52	4105
06 Jun	0030	0038	0042	C2.4	SF	S14E49	4105
06 Jun	0144	0156	0209	C1.5			4105
06 Jun	0337	0344	0358	C1.7	SF	S15E50	4105
06 Jun	0436	0446	0457	C1.6	SF	S15E48	4105
06 Jun	0623	0633	0646	C1.6	SF	S15E46	4105
06 Jun	0833	0846	0858	C1.7			
06 Jun	0858	0902	0904	C1.5			
06 Jun	1025	1026	1035	C2.6	SF	S16E45	4105
06 Jun	1137	1139	1201		SF	S16E44	4105
06 Jun	1234	1247	1255	C2.8	SF	N16W71	4100
06 Jun	1438	1438	1441		SF	N05W74	4101
06 Jun	1459	1515	1519	C1.6	SF	S16E44	4105
06 Jun	1647	1702	1714	C4.5	SF	S13E41	4105
06 Jun	1927	1935	1943	C4.3			4100
06 Jun	2342	2353	0002	C1.4			4105
07 Jun	0102	0108	0117	C2.5			
07 Jun	0610	0618	0635	C1.0			
07 Jun	0701	0707	0712	C1.3			
07 Jun	0829	0838	0844	C1.7			
07 Jun	1042	1046	1052		SF	S13E26	4105
07 Jun	1152	1201	1204	C1.4			4105
07 Jun	1204	1224	1234	C3.5			
07 Jun	1836	1841	1846	C2.8	SF	S12E21	4105
08 Jun	0119	0126	0130	C1.0			4100
08 Jun	0209	0218	0221	C1.2			4105
08 Jun	0418	0427	0432	C1.9	SF	S13E16	4105

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
08 Jun	1255	1303	1318	C1.9	SF	S12E11	4105
08 Jun	1354	1355	1424		SF	S16E14	4105

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 4096												
21 May	N06E71	306	30	1	Hsx	1	A								
22 May	N06E57	307	50	2	Hsx	1	A								
23 May	N06E45	306	40	1	Hsx	1	A								
24 May	N06E31	307	60	2	Hsx	1	A								
25 May	N06E18	306	60	2	Hsx	1	A								
26 May	N06E04	307	60	2	Hsx	1	A								
27 May	N06W10	308	60	2	Hsx	1	A								
28 May	N06W23	308	60	2	Hsx	1	A								
29 May	N06W35	306	60	2	Hsx	1	A								
30 May	N07W49	307	60	2	Hsx	1	A								
31 May	N07W64	309	60	2	Hsx	1	A								
01 Jun	N05W76	308	30	1	Hsx	1	A								
02 Jun	N06W90	309	30	1	Hsx	1	A								
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 307

			Region 4097												
22 May	S13E63	301	20	3	Cro	4	B				2				
23 May	S13E45	306	30	6	Cri	8	BG	2			3				
24 May	S13E30	308	30	4	Cro	5	B								
25 May	S14E19	305	10	4	Bxo	4	B	1			1				
26 May	S14E06	305	10	1	Axx	1	A								
27 May	S14W08	306	plage												
28 May	S14W22	307	plage												
29 May	S14W36	307	plage												
30 May	S14W50	308	plage												
31 May	S14W64	309	plage												
01 Jun	S14W78	310	plage												
								3	0	0	6	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 305

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 4099													
25 May	S13E67	257	110	4	Cao	3	B	2			2				
26 May	S13E54	257	150	6	Dac	10	B	1			2				
27 May	S13E41	257	210	7	Dac	10	B								
28 May	S13E29	256	250	7	Dkc	16	BD	7			3				
29 May	S13E16	255	250	6	Dkc	16	BD								
30 May	S14E03	255	250	7	Dkc	13	BGD								
31 May	S14W11	256	250	7	Dkc	13	BGD				1				
01 Jun	S14W24	256	250	6	Dki	11	BG	4							
02 Jun	S14W37	256	230	5	Dki	15	B								
03 Jun	S14W50	255	210	5	Dai	13	B	1							
04 Jun	S14W64	256	160	4	Dao	6	B								
05 Jun	S13W78	257	100	4	Cao	4	B	2			1				
06 Jun	S13W90	256	50	2	Cao	2	B								
								17	0	0	9	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 255

		Region 4100													
26 May	N07E66	245	250	6	Dko	6	B		1			1			
27 May	N08E55	243	270	13	Eko	12	B	5			1				
28 May	N08E43	242	410	15	Eki	14	BG	3			1				
29 May	N08E28	243	390	11	Eki	14	BG	3			1				
30 May	N08E14	244	440	14	Eki	26	BG	4	2		3				
31 May	N08W00	245	440	14	Ekc	26	BGD	9	4		17	1	1		
01 Jun	N10W15	247	430	15	Ekc	27	BG	6			4	1			
02 Jun	N10W28	247	390	15	Ekc	31	BG	2	2		1		1		
03 Jun	N10W41	246	320	14	Eki	24	BG				2				
04 Jun	N10W54	246	240	13	Eai	20	BG	5	1		3				
05 Jun	N09W68	247	180	13	Eai	14	B	4			4				
06 Jun	N09W81	247	70	12	Eao	4	B	2			1				
07 Jun	N09W95	247	70	12	Eao	4	B								
								43	10	0	38	3	2	0	0

Crossed West Limb.
Absolute heliographic longitude: 245

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 4101												
27 May	N03E40	258	20	3	Bxo	3	B								
28 May	N03E26	259	20	6	Cro	6	B								
29 May	N03E12	259	20	6	Bxo	5	B								
30 May	N05W01	259	30	5	Dao	3	B	1			1				
31 May	N05W14	259	30	5	Dao	3	B								
01 Jun	N04W28	260	30	5	Dao	5	B								
02 Jun	N04W45	269	20	1	Hrx	2	A								
03 Jun	N04W60	265	20	1	Hrx	1	A								
04 Jun	N04W73	265	10	1	Axx	1	A								
05 Jun	N04W86	265	10	1	Axx	1	A								
								1	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 259

			Region 4102												
27 May	S22E01	297	10	3	Bxo	4	B								
28 May	S22W12	297	10	3	Bxo	2	B								
29 May	S22W26	297	10	1	Axx	1	A								
30 May	S22W40	298	plage												
31 May	S22W54	299	plage												
01 Jun	S22W68	300	plage												
02 Jun	S22W82	301	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 297

			Region 4103												
28 May	S17W01	286	10	3	Bxo	4	B								
29 May	S17W16	287	10	1	Axx	1	A								
30 May	S17W30	288	plage												
31 May	S17W44	289	plage												
01 Jun	S17W58	290	plage												
02 Jun	S17W72	291	plage												
03 Jun	S17W86	291	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 286

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 4104												
30 May	N06E42	216	80	4	Dso	3	B	3	1		2				
31 May	N06E27	218	80	4	Dso	3	B								
01 Jun	N06E15	217	40	5	Dao	3	B								
02 Jun	N06E01	218	30	4	Dao	4	B								
03 Jun	N06W12	217	10	1	Axx	2	A								
04 Jun	N06W27	219	plage												
05 Jun	N06W42	221	plage												
06 Jun	N06W57	223	plage												
07 Jun	N06W72	224	plage												
08 Jun	N06W87	226	plage												
								3	1	0	2	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 218

			Region 4105												
03 Jun	S14E73	132	30	5	Dai	5	B	5	1						
04 Jun	S14E60	132	110	10	Dai	10	BD								
05 Jun	S15E49	130	130	12	Eai	15	B	6			3				
06 Jun	S14E34	133	110	11	Eai	13	BG	9			8				
07 Jun	S15E21	131	110	11	Eai	24	BG	2			2				
08 Jun	S15E09	130	90	12	Eai	27	BG	3			3				
								28	1	0	16	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 130

			Region 4106												
04 Jun	N12E11	181	20	5	Cro	5	B								
05 Jun	N13W01	180	40	4	Dao	8	B								
06 Jun	N13W15	181	30	5	Dro	5	B								
07 Jun	N12W27	179	10	1	Axx	2	A								
08 Jun	N13W41	180	10	1	Axx	1	A								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 180

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 4107												
06 Jun	S17E10	156	10	1	Cro	2	B								
07 Jun	S18W03	155	30	4	Cro	7	B								
08 Jun	S18W15	154	20	4	Cro	3	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 155

			Region 4108												
07 Jun	S21W17	169	10	3	Bxo	3	B								
08 Jun	S22W33	172	10	1	Axx	1	A								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 169

			Region 4109												
07 Jun	S16E40	112	10	5	Cro	3	B								
08 Jun	S16E26	113	20	6	Cro	5	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 113

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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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