Space Weather Highlights
20 May - 26 May 2024

SWPC PRF 2543
27 May 2024

Solar activity was at low to moderate levels during the period. Low levels were observed on 20, 25 and 26 May. Moderate (R1-Minor) levels were observed on 21-24 May. Region 3679 (S09, L=200, class/area Ekc/500 on 22 May) produced 10 M-class flares, the largest was an M4.2/1n event at 23/0216 UTC. Region 3689 (S08, L=098, class/area Dso/050 on 22 May) produced a single M-class flare on 23 May. No significant radio events were observed. No significant Earth-directed CMEs were observed.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at low to normal levels.

Geomagnetic field activity ranged from mostly quiet to unsettled levels with a single active period observed late on 23 May. Unsettled to active periods were observed on 23-24 May due to negative CH HSS influence. Unsettled periods were observed late on 25 May through 26 May due to weak positive CH HSS influence. Total field readings approached 10 nT on 24-25 May with southward Bz readings to negative 10 nT late on 23 May. Solar wind readings were at a predominately steady 400 km/s throughout the period.

Space Weather Outlook
27 May - 22 June 2024

Solar activity is expected to be at a chance for moderate (R1-R2 / Minor-Moderate) levels due to the return of previous active region 3664 (S17, L=347).

There will be a slight chance of S1 (Minor) solar radiation storms from 28 May through 09 Jun upon the return of old region 3664.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at low to moderate levels.

Geomagnetic field activity is expected to be at unsettled to active levels on 27-28 May and 08-12 Jun due to the influence of positive polarity CH HSSs. Mostly quiet levels are expected on 29-31 May, 01-07 Jun and 13-22 Jun.

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
20 May	200	124	840	C1.4	5	0	0	4	0	0	0	0
21 May	191	146	1020	C1.5	7	1	0	9	1	1	0	0
22 May	196	120	1230	C2.0	6	3	0	17	1	1	0	0
23 May	176	130	1150	C2.5	21	5	0	17	3	0	0	0
24 May	163	100	890	C1.5	8	3	0	12	1	0	0	0
25 May	152	106	730	C1.2	3	0	0	1	0	0	0	0
26 May	156	148	1110	C1.4	9	0	0	1	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
20 May	2.9e+06	3.1e+04	1.3e+07
21 May	1.2e+06	2.2e+04	2.3e+07
22 May	1.2e+06	1.9e+04	7.1e+06
23 May	1.1e+06	1.9e+04	1.2e+07
24 May	4.9e+05	1.8e+04	4.0e+06
25 May	2.1e+05	1.7e+04	3.7e+06
26 May	1.2e+05	1.6e+04	5.9e+06

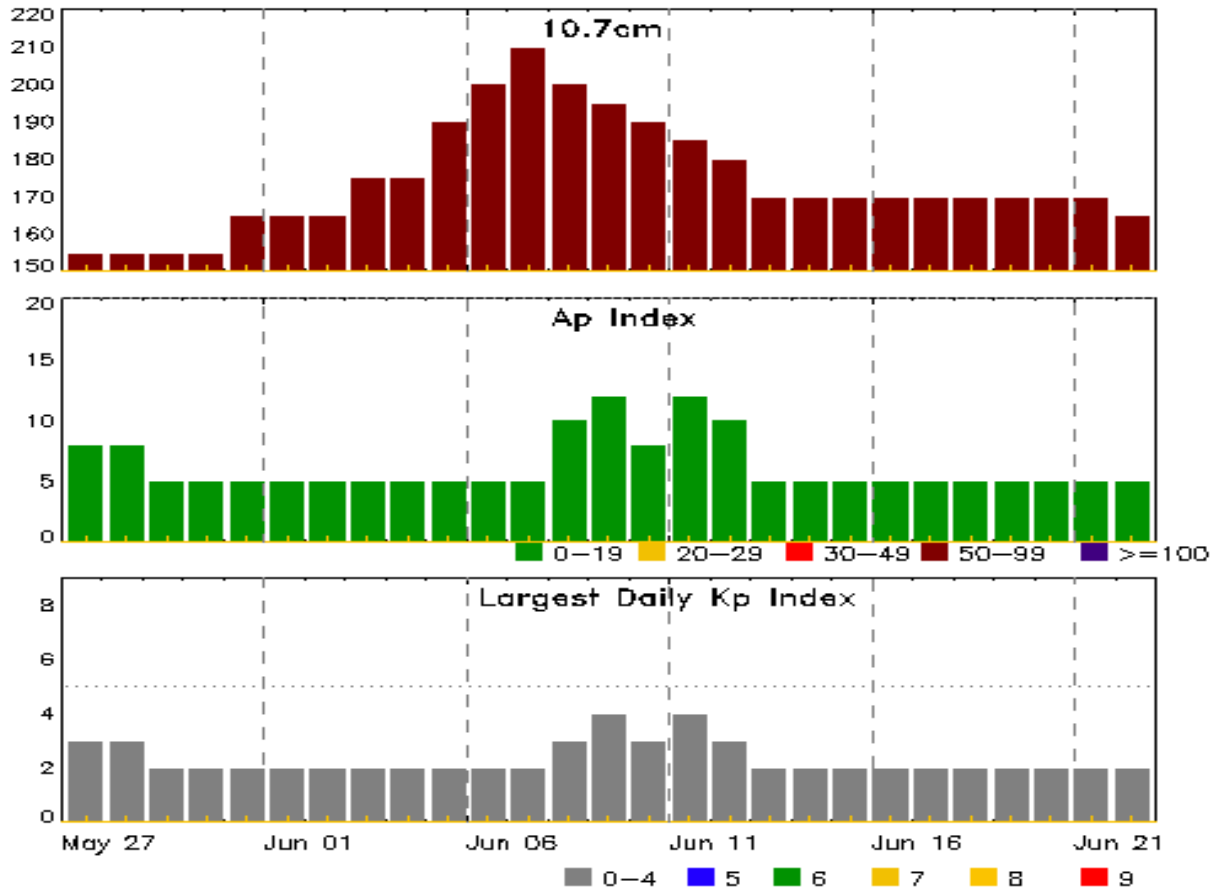
Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
20 May	10	1-2-3-2-3-2-2-3	9	2-3-3-2-2-1-2-2	7	1-3-2-2-2-1-1-2
21 May	8	2-1-1-2-3-3-2-1	15	2-2-1-5-4-3-2-2	9	2-2-1-3-3-3-2-2
22 May	5	1-0-0-2-2-2-2-2	2	2-1-0-0-0-0-1-1	4	2-1-1-1-0-1-2-2
23 May	10	1-2-2-2-3-2-2-4	21	1-2-2-4-5-5-3-3	10	1-2-2-2-3-2-2-4
24 May	11	2-3-2-4-3-2-1-2	21	3-3-4-5-4-4-1-1	9	2-3-3-3-2-2-0-2
25 May	6	2-1-1-1-2-2-1-3	6	2-2-2-1-1-2-2-1	6	2-2-1-1-1-2-1-3
26 May	10	1-3-1-2-4-2-3-1	12	2-3-1-2-5-2-2-1	6	2-3-1-2-3-2-3-1

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
23 May 2225	WARNING: Geomagnetic K = 4	23/2225 - 24/0600
23 May 2229	ALERT: Geomagnetic K = 4	
24 May 0554	EXTENDED WARNING: Geomagnetic K = 4	23/2225 - 24/1200

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
27 May	155	8	3	10 Jun	190	8	3
28	155	8	3	11	185	12	4
29	155	5	2	12	180	10	3
30	155	5	2	13	170	5	2
31	165	5	2	14	170	5	2
01 Jun	165	5	2	15	170	5	2
02	165	5	2	16	170	5	2
03	175	5	2	17	170	5	2
04	175	5	2	18	170	5	2
05	190	5	2	19	170	5	2
06	200	5	2	20	170	5	2
07	210	5	2	21	170	5	2
08	200	10	3	22	165	5	2
09	195	12	4				

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
21 May	1919	1931	1939	M1.9	0.011	1N	S05	W48	3679				
22 May	0302	0313	0323	M1.5	0.011	SN	S06	W52	3679				
22 May	0338	0404	0422	M2.3	0.039				3683				
22 May	1351	1405	1412	M1.2	0.010	SF	S06	W55	3679				
23 May	0205	0216	0226	M4.2	0.032				3679				
23 May	0403	0429	0454	M1.7	0.040	SF	S09	W18	3685				
23 May	1003	1008	1014	M1.0	0.006								
23 May	1248	1320	1344	M2.5	0.058	SF	S09	W65	3679			210	
23 May	1553	1558	1603	M1.0	0.005				3689				
24 May	0628	0706	0721	M1.4	0.002	SF	S07	W81	3679	970			
24 May	0751	0801	0808	M1.0	0.008	SF	S09	W81	3679				
24 May	2005	2025	2036	M1.4	0.016				3679				

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat	CMD	Rgn #
20 May	0532	0539	0542	C2.3				3686
20 May	0542	0554	0616	C6.7				3683
20 May	B0856	U0856	A0905		SF	S08	E24	3685
20 May	1029	1036	1040	C2.8				3686
20 May	B1117	U1126	1144		SF	S10	E18	3685
20 May	1243	1251	1255	C2.1	SF	S10	E19	3685
20 May	1739	1741	1744		SF	S20	W66	3683
20 May	1828	1951	2041	C4.6				3685
21 May	0550	0616	0635	C4.3				3683
21 May	0720	0732	0739	C4.8	SF	S21	W68	3683
21 May	1204	1208	1222	C1.9				3683
21 May	1328	1335	1343	C7.0	SF	S19	W74	3683
21 May	1350	1351	1356		SF	S19	W74	3683
21 May	1400	1413	1426	C6.6	SF	S20	W73	3683
21 May	1454	1455	1500		SF	S20	W73	3683
21 May	1502	1505	1508		2N	S20	W73	3683
21 May	1553	1605	1614	C6.9	SF	S06	W46	3679
21 May	1637	1642	1647		SF	S07	W48	3679
21 May	1732	1732	1734		SF	S21	W77	3683

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
21 May	1919	1931	1939	M1.9	1N	S05W48	3679
21 May	2048	2048	2053		SF	S06W50	3679
21 May	2228	2240	2258	C3.9			3674
22 May	0038	0039	0046		SF	S05E12	3686
22 May	0302	0313	0323	M1.5	SN	S06W52	3679
22 May	0338	0404	0422	M2.3			3683
22 May	0442	0443	0444		SF	S06W52	3679
22 May	0617	0618	0632		SF	N21W33	3682
22 May	0651	0657	0705		SF	S08E52	3689
22 May	0652	0704	0715	C3.5	SF	S06W55	3679
22 May	1033	U1034	A1043		SF	S08W50	3679
22 May	1130	1137	1140	C3.3			3683
22 May	1140	1145	1151	C3.6			3683
22 May	1259	U1300	A1311		SF	N20W37	3682
22 May	1351	1405	1412	M1.2	SF	S06W55	3679
22 May	1434	1434	1438		SF	S06W55	3679
22 May	1434	1455	1517		1F	S09W01	3685
22 May	1605	1608	1615	C3.1	SF	S18W79	3683
22 May	1607	1608	1613		SF	S19W85	3674
22 May	1743	1744	1749		SF	S08W04	3685
22 May	1837	1848	1851	C3.5			3679
22 May	1851	1857	1906	C7.3			3683
22 May	1941	1946	1953		SF	S08W57	3679
22 May	2026	2036	2041		SF	S08W54	3679
22 May	2047	2101	2144		2F	S09W06	3685
22 May	2114	2117	2121		SF	S12W57	3679
23 May	0144	0151	0205	C8.5			3679
23 May	0205	0216	0226	M4.2			3679
23 May	0211	0215	0232		1N	S09W64	3679
23 May	0403	0429	0454	M1.7	SF	S09W18	3685
23 May	0515	0521	0524		SF	S06E43	3689
23 May	0604	0608	0612	C4.7	SF	S08W63	3679
23 May	0623	0627	0631		SF	S09W62	3679
23 May	0636	0642	0654	C9.7			
23 May	0749	0750	0754		SF	S08W63	3679
23 May	0802	0809	0813	C5.5	SF	S08W65	3679
23 May	0907	0921	0931	C8.3	SF	S08W65	3679
23 May	0931	0934	0936		SF	S08W65	3679

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
23 May	1003	1008	1014	M1.0			
23 May	1038	1040	1044	C7.8	SF	S08W65	3679
23 May	1107	1110	1114	C6.0			3679
23 May	1157	1207	1219	C4.0			3679
23 May	1219	1224	1230	C4.5			3679
23 May	1230	1236	1242	C5.8			3679
23 May	1248	1320	1344	M2.5	SF	S09W65	3679
23 May	1427	1428	1431		SF	S08W65	3679
23 May	1503	1505	1507		SF	S08W68	3679
23 May	1523	1527	1534		SF	S07E34	3689
23 May	1542	1547	1602	C6.8	1N	S08W68	3679
23 May	1548	1600	1608		SF	S07E34	3689
23 May	1553	1558	1603	M1.0			3689
23 May	1613	1627	1634	C5.6			
23 May	1634	1640	1644	C5.5			
23 May	1820	1821	1825		SF	S09W67	3679
23 May	1937	1946	1951	C6.0			
23 May	2027	2034	2042	C6.5	SF	S08W69	3679
23 May	2115	2125	2132	C4.1			3685
23 May	2134	2139	2145	C4.1			3679
23 May	2156	2205	2211	C3.8			
23 May	2250	2258	2303	C5.6	1F	S07W70	3679
23 May	2304	2309	2313	C5.2			3679
23 May	2317	2328	2339	C5.5			3685
23 May	2319	2322	2327		SF	S08W70	3679
24 May	0236	0249	0303	C4.8			
24 May	0442	0449	0458	C3.0			
24 May	0517	0524	0527	C3.2	SF	S07W78	3679
24 May	0558	0601	0605		SF	S07W78	3679
24 May	0614	0614	0631	M1.4	SF	S07W81	3679
24 May	0741	0742	0746		SF	S09W81	3679
24 May	0751	0801	0808	M1.0	SF	S09W81	3679
24 May	0845	0846	0924		1F	S09W81	3679
24 May	0906	0911	0915	C9.7			3679
24 May	0927	0929	0933		SF	S09W81	3679
24 May	0934	0935	0944		SF	S09W81	3679
24 May	0946	0949	0952		SF	S09W81	3679
24 May	1025	1026	1028		SF	S10W76	3679

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
24 May	1043	1051	1100	C5.6	SF	S10W76	3679
24 May	1106	1107	1109		SF	S09W79	3679
24 May	1349	1358	1407	C3.4	SF	S11W26	3685
24 May	1420	1422	1426	C2.6			3679
24 May	1813	1820	1824	C2.4			3679
24 May	2005	2025	2036	M1.4			3679
25 May	0423	0504	0522	C4.5			
25 May	0810	0820	0840	C2.3	SF	S04W35	3686
25 May	1716	1726	1732	C5.8			
26 May	0039	0049	0059	C3.9			3691
26 May	0246	0250	0255	C2.5			
26 May	0927	0936	0948	C5.2			3691
26 May	1253	1302	1318	C2.4			3691
26 May	1318	1326	1335	C2.3			3691
26 May	1401	1414	1423	C5.4			3691
26 May	1559	1609	1619	C3.3			3691
26 May	1630	1642	1653	C5.9			3691
26 May	1653	1706	1718	C7.4	SF	N27E58	3691

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 3672												
09 May	N18E58	256	30	4	Cro	5	B								
10 May	N18E45	254	140	8	Cai	9	B								
11 May	N18E30	257	90	5	Dao	4	B	1			2				
12 May	N18E17	257	80	6	Cso	4	B								
13 May	N19E03	258	60	6	Cso	4	B				1				
14 May	N19W11	259	60	6	Cso	4	B								
15 May	N19W23	257	40	1	Hax	1	A								
16 May	N18W37	258	50	6	Cao	5	B	1							
17 May	N18W51	259	40	2	Hsx	1	A								
18 May	N20W59	256	20	2	Hsx	21	A								
19 May	N19W73	254	10	1	Axx	1	A	1							
20 May	N19W87	255	plage												
								3	0	0	3	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 258

			Region 3673												
11 May	S09E54	233	30	2	Hsx	1	A								
12 May	S10E41	233	30	2	Hsx	1	A	1							
13 May	S11E27	234	10	1	Hsx	1	A				1				
14 May	S09E13	235	10	1	Hrx	1	A								
15 May	S09W01	235	20	1	Hrx	1	A								
16 May	S08W14	235	20	1	Hax	1	A								
17 May	S08W28	236	20	1	Hsx	1	A								
18 May	S08W39	234	10	1	Hrx	1	A								
19 May	S08W53	234	plage												
20 May	S08W67	235	plage												
21 May	S08W81	236	plage												
								1	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 235

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 3674													
11 May	S14E64	223	80	5	Cso	3	B								
12 May	S14E53	221	110	6	Cso	3	B								
13 May	S11E39	222	90	5	Cao	6	B		1		2				
14 May	S12E25	223	140	7	Cso	11	B								
15 May	S13E11	223	120	7	Cso	10	B								
16 May	S12W03	222	130	7	Cso	18	B	1			2				
17 May	S12W17	222	120	7	Cso	8	B				2				
18 May	S12W27	221	180	6	Csi	13	B				1				
19 May	S13W40	221	120	5	Csi	7	B								
20 May	S13W55	223	100	4	Cso	5	B								
21 May	S14W69	223	80	2	Hsx	1	A	1							
22 May	S14W82	223	80	3	Hax	1	A				1				
								2	1	0	8	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 222

		Region 3676													
12 May	S22E09	265	80	6	Dai	10	BG		1		4				
13 May	S21W05	266	100	8	Dsi	12	BGD	1			3				
14 May	S22W19	267	120	8	Cso	9	BG								
15 May	S22W34	268	90	7	Cso	4	BG				1				
16 May	S20W47	268	90	2	Cso	5	BG								
17 May	S20W61	269	100	3	Hax	1	A								
18 May	S20W72	267	80	2	Hax	1	A								
19 May	S21W83	264	10	1	Axx	1	A				1				
								1	1	0	9	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 266

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 3678													
12 May	N08E65	209	10	1	Hsx	1	A								
13 May	N09E51	210	10	1	Hrx	1	A								
14 May	N09E37	211	10	1	Axx	3	A								
15 May	N09E22	212	plage												
16 May	N09E08	213	plage												
17 May	N09W06	214	plage												
18 May	N09W20	215	plage												
19 May	N09W34	215	plage												
20 May	N09W48	216	plage												
21 May	N09W62	217	plage												
22 May	N09W76	218	plage												
23 May	N09W90	218	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 214

		Region 3679													
12 May	S09E73	201	20	1	Hsx	1	A		1		1				
13 May	S08E59	202	60	7	Dao	4	BG								
14 May	S09E46	202	230	6	Dso	6	BG	1			3				
15 May	S09E32	202	240	9	Dso	7	BGD	1			2				
16 May	S10E18	203	230	11	Eso	13	BG	4			1				
17 May	S10E04	204	230	11	Eso	13	BG	3			5	1			
18 May	S08W07	202	260	11	Eho	13	BG	2			2	1			
19 May	S08W18	199	170	12	Esi	11	BG								
20 May	S08W31	199	150	11	Esi	11	BG								
21 May	S09W46	200	250	12	Eki	13	BG	1	1		3	1			
22 May	S09W59	200	500	12	Ekc	14	BGD	2	2		9				
23 May	S09W73	201	480	15	Ekc	10	BGD	14	3		13	3			
24 May	S08W86	200	360	12	Ekc	8	BGD	5	3		11	1			
								33	10	0	50	7	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 204

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 3680													
13 May	N17E65	196	30	5	Dao	3	B								
14 May	N18E51	197	10	1	Dao	3	B								
15 May	N17E36	198	10	1	Axx	2	A								
16 May	N18E22	199	10	1	Axx	2	A				1				
17 May	N18E08	200	10	1	Axx	2	A								
18 May	N18W06	201	plage												
19 May	N18W20	201	plage												
20 May	N18W34	202	plage												
21 May	N18W48	203	plage												
22 May	N18W62	204	plage												
23 May	N18W76	204	plage												
24 May	N18W90	205	plage												
								0	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 201

		Region 3682													
14 May	N15E59	189	130	4	Dao	5	BG		1				1		
15 May	N13E44	190	80	7	Cso	6	BG								
16 May	N16E30	191	30	5	Cro	7	BG								
17 May	N16E16	192	10	1	Axx	1	A				3				
18 May	N15E02	193	10	1	Axx	1	A				2				
19 May	N15W12	193	plage												
20 May	N15W26	194	plage												
21 May	N13W36	191	0	1	Axx	2	A								
22 May	N13W50	192	plage								2				
23 May	N18W67	195	plage												
24 May	N19W69	194	plage												
25 May	N19W83	185	plage												
								0	1	0	7	0	1	0	0

Crossed West Limb.
Absolute heliographic longitude: 193

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 3683												
15 May	S23W08	242	30	5	Dro	5	B				1				
16 May	S23W21	242	30	7	Dro	8	B								
17 May	S23W35	242	60	8	Dso	8	B				5				
18 May	S23W46	241	120	7	Dsi	14	B								
19 May	S24W58	239	110	8	Dai	17	B								
20 May	S24W72	240	100	8	Dai	15	B	1			1				
21 May	S23W87	241	70	10	Dso	4	B	5			6		1		
								6	0	0	13	0	1	0	0

Crossed West Limb.
Absolute heliographic longitude: 242

			Region 3684												
16 May	S06E51	170	10	2	Bxo	4	B								
17 May	S06E36	172	plage												
18 May	S06E21	174	plage												
19 May	S06E10	171	10	3	Bxo	3	B								
20 May	S07W04	172	20	5	Cao	5	B								
21 May	S06W19	173	80	8	Dao	8	B								
22 May	S06W32	173	80	9	Cao	10	BG								
23 May	S06W48	176	100	10	Cso	8	BG								
24 May	S07W65	179	80	7	Cso	6	BG								
25 May	S06W74	175	50	3	Hsx	1	A								
26 May	S06W89	178	plage												
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 172

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 3685													
15 May	S13E78	157	plage						2	1					
16 May	S13E64	157	180	7	Dso	7	BG	1	1						
17 May	S13E50	158	220	7	Dso	7	BG	2	1		1		1		
18 May	S13E42	155	380	12	Ehi	10	BG	2			1	1			
19 May	S13E29	152	420	13	Ehi	17	BG	1	3		1	3			
20 May	S12E15	153	350	11	Ehc	20	BG	2			3				
21 May	S12E02	151	380	11	Ehc	17	BG								
22 May	S13W09	150	400	12	Ehc	20	BG				2	1	1		
23 May	S13W22	150	400	15	Ehc	23	BG	2			1				
24 May	S13W36	150	320	11	Ehc	14	BG	1			1				
25 May	S13W49	150	210	15	Eso	9	B								
26 May	S13W62	150	270	12	Eho	5	B								
								11	7	1	10	5	2	0	0

Still on Disk.
Absolute heliographic longitude: 151

		Region 3686													
17 May	S07E66	140	190	2	Hax	2	A	1							
18 May	S06E54	141	120	2	Hax	2	A								
19 May	S06E39	142	130	3	Hax	2	A								
20 May	S06E25	143	120	4	Cao	8	B	2							
21 May	S07E12	142	120	4	Cao	5	B								
22 May	S07W01	142	120	3	Cao	9	B				1				
23 May	S07W15	143	100	4	Cao	11	B								
24 May	S08W28	142	80	3	Cao	6	B								
25 May	S08W38	139	110	8	Cao	8	B	1			1				
26 May	S08W54	142	100	6	Cao	4	B								
								4	0	0	2	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 142

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 3687												
19 May	N15E01	180	10	3	Bxo	5	B								
20 May	N15W13	181	plage												
21 May	N15W26	180	plage												
22 May	N15W40	182	plage												
23 May	N17W56	184	10	1	Axx	1	A								
24 May	N17W70	185	plage												
25 May	N17W84	186	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 180

			Region 3688												
21 May	S12E28	126	10	4	Bxo	3	B								
22 May	S12E14	127	plage												
23 May	S12W00	128	plage												
24 May	S12W14	129	plage												
25 May	S12W28	130	plage												
26 May	S12W42	131	plage												
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 128

			Region 3689												
21 May	S08E55	100	30	3	Cro	3	B								
22 May	S08E42	98	50	8	Dso	6	B				1				
23 May	S08E31	97	30	8	Cro	6	B		1		3				
24 May	S08E17	97	10	8	Cro	5	B								
25 May	S07E05	95	10	8	Bxo	5	B								
26 May	S07W10	98	10	1	Axx	1	A								
								0	1	0	4	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 95

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 3690												
23 May	N17E75	53	30	1	Hsx	1	A								
24 May	N17E60	54	40	2	Hsx	1	A								
25 May	N17E49	52	30	2	Hsx	1	A								
26 May	N18E34	54	30	3	Cso	2	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 54

			Region 3691												
25 May	N25E60	41	300	11	Dkc	8	BGD								
26 May	N29E48	41	570	11	Ekc	17	BGD	8			1				
								8	0	0	1	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 41

			Region 3692												
25 May	S09E18	84	20	3	Cro	4	B								
26 May	S09E04	84	70	4	Dao	8	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 84

			Region 3693												
26 May	N06E35	53	20	3	Cro	3	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 53

			Region 3694												
26 May	S12E45	44	10	1	Axx	1	A								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 44

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 3695													
26 May	N27E60	29	20	4	Bxo	6	B	0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 29

		Region 3696													
26 May	N09E66	23	10	1	Hrx	1	A	0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 23

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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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