Space Weather Highlights
16 June - 22 June 2025

SWPC PRF 2599
23 June 2025

Solar activity reached high levels on 17 and 19 Jun when Region 4114 (N21, L=35, class/area=Ekc/400 on 19 Jun), the largest and most complex region on the disk throughout the week, produced an X1.2/2b flare at 17/2149 UTC and an X1.9 flare at 19/2350 UTC; the strongest events observed this period. In addition, Region 4114 produced five R1 (Minor) events on 16-17 and 20 Jun, and one R2 (Moderate) event on 16 Jun. Region 4117 (S14, L=303, class/area=210 on 19 Jun) produced a single R1 (Minor) event this period; an M1.0/1f flare at 20/1740 UTC. No Earth-directed CMEs were observed throughout the week.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal to moderate levels throughout the period.

Geomagnetic field activity was at quiet to active levels on 16, 18-19, and 21-22 Jun, with quiet to unsettled levels observed on 17 and 20 Jun, due to sustained positive polarity CH HSS influences throughout the week. No Earth-directed CMEs were detected in solar wind data.

Space Weather Outlook
23 June - 19 July 2025

Solar activity is expected to range from low to moderate levels throughout the period. There is a chance for R1-R2 (Minor-Moderate) radio blackouts, and a slight chance for R3 (Strong) or greater events, through 18 Jul.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is likely to reach high levels on 26-28 Jun, with normal to moderate levels likely to prevail throughout the remainder of the period.

Geomagnetic field activity is likely to reach G1 (Minor) storm levels on 25-26 Jun, and active levels on 24 and 27 Jun and 01-03, 05-06, and 11-12 Jul, all due to recurrent CH HSS influences. Quiet and quiet to unsettled conditions are expected to prevail throughout the remainder of the period.

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
16 June	148	125	700	C2.2	6	4	0	5	2	0	0	0
17 June	139	97	600	C1.8	6	1	1	12	0	1	0	0
18 June	137	120	660	C1.3	20	0	0	20	0	0	0	0
19 June	136	113	890	B9.6	9	0	1	14	1	0	0	0
20 June	130	95	470	B6.6	4	2	0	1	2	0	0	0
21 June	120	87	710	B5.3	1	0	0	0	0	0	0	0
22 June	125	80	630	B6.1	7	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
16 June	1.2e+05	1.7e+04	2.7e+07
17 June	1.2e+05	1.7e+04	4.5e+07
18 June	1.2e+05	1.8e+04	3.1e+07
19 June	1.9e+05	1.8e+04	3.1e+07
20 June	1.3e+05	1.6e+04	3.4e+07
21 June	9.9e+04	1.5e+04	3.9e+07
22 June	1.8e+05	1.5e+04	2.8e+07

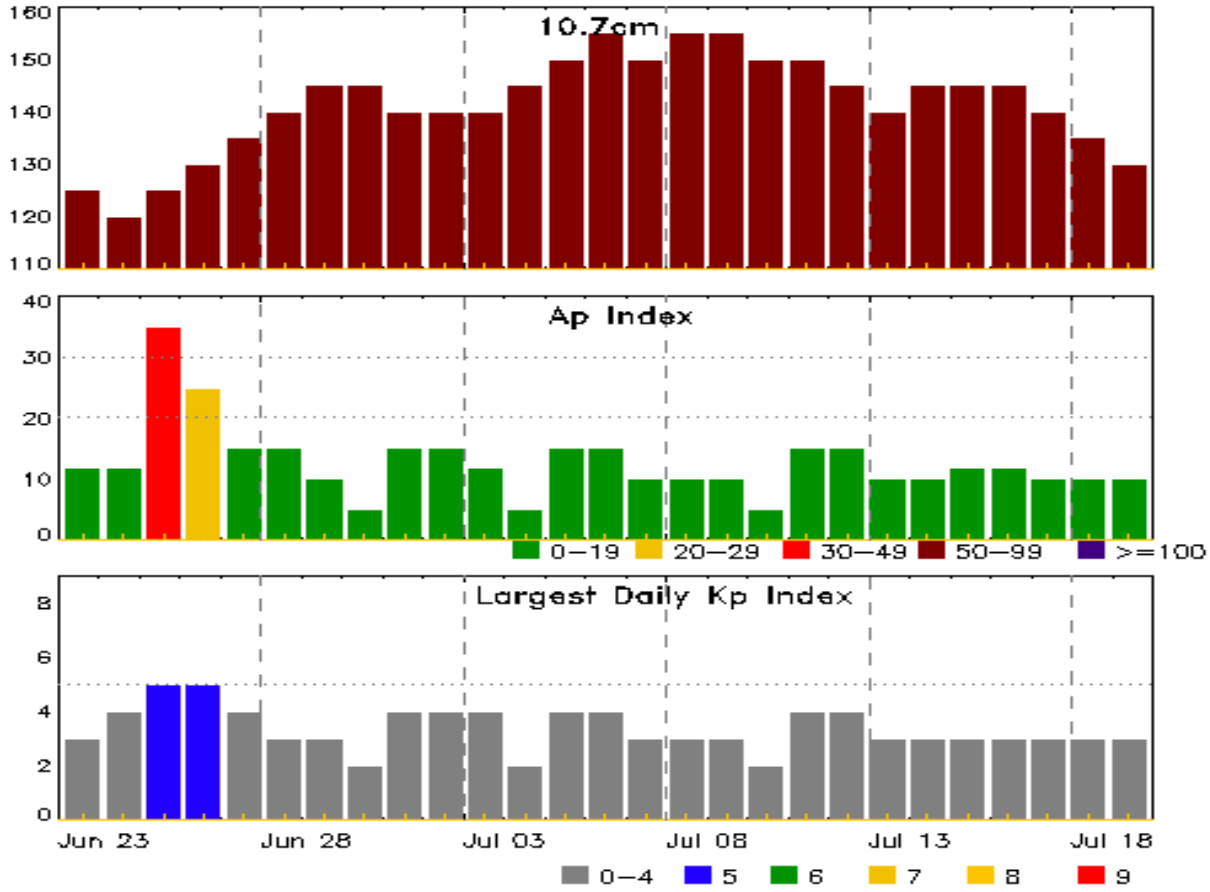
Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
16 June	10	1-2-4-2-3-2-2-2	16	2-4-4-3-4-2-2-2	10	2-2-4-2-2-2-2-2
17 June	9	1-1-3-2-3-2-2-3	14	2-3-2-3-4-3-2-3	9	2-2-2-2-3-2-2-3
18 June	12	3-2-2-3-2-2-2-4	20	3-3-4-4-5-3-2-2	13	3-2-2-3-3-2-2-4
19 June	11	3-2-2-1-2-2-4-3	8	3-2-2-1-1-1-3-2	12	3-2-2-1-1-2-4-3
20 June	8	1-2-3-2-2-3-1-1	13	1-2-4-3-4-3-2-1	9	1-2-3-3-2-3-2-1
21 June	10	1-3-1-2-3-3-1-3	22	2-3-1-2-5-6-2-2	12	2-3-1-1-3-4-2-3
22 June	9	3-3-1-2-2-2-2-2	14	3-3-2-4-4-2-2-2	22	4-2-2-2-2-2-2-2

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
16 Jun 0215	ALERT: Type II Radio Emission	16/0151
16 Jun 0710	WARNING: Geomagnetic K = 4	16/0710 - 2359
16 Jun 0748	ALERT: Geomagnetic K = 4	
16 Jun 0938	ALERT: X-ray Flux exceeded M5	16/0935
16 Jun 1011	SUMMARY: 10cm Radio Burst	16/0933 - 0941
16 Jun 1013	SUMMARY: X-ray Event exceeded M5	16/0917 - 0948
17 Jun 1350	ALERT: Electron 2MeV Integral Flux >= 1000pfu	17/1340
17 Jun 2027	WATCH: Geomagnetic Storm Category G1 predicted	
17 Jun 2150	ALERT: X-ray Flux exceeded M5	17/2147
17 Jun 2204	SUMMARY: X-ray Event exceeded X1	17/2138 - 2154
17 Jun 2237	SUMMARY: 10cm Radio Burst	17/2146 - 2147
18 Jun 0128	WARNING: Geomagnetic K = 4	18/0128 - 0900
18 Jun 0501	ALERT: Type II Radio Emission	18/0434
18 Jun 2329	WARNING: Geomagnetic K = 4	18/2329 - 19/0600
18 Jun 2333	ALERT: Geomagnetic K = 4	
19 Jun 1914	WARNING: Geomagnetic K = 4	19/1912 - 20/1200
19 Jun 2042	ALERT: Geomagnetic K = 4	
19 Jun 2348	ALERT: X-ray Flux exceeded M5	19/2347
19 Jun 2358	SUMMARY: 10cm Radio Burst	19/2346 - 2347
20 Jun 0014	SUMMARY: X-ray Event exceeded X1	19/2337 - 2354
20 Jun 1155	EXTENDED WARNING: Geomagnetic K = 4	19/1912 - 20/2359
21 Jun 0538	WARNING: Geomagnetic K = 4	21/0537 - 2359
21 Jun 1801	ALERT: Geomagnetic K = 4	
22 Jun 0142	WARNING: Geomagnetic K = 4	22/0140 - 1500
22 Jun 0302	ALERT: Geomagnetic K = 4	
22 Jun 2116	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
23 Jun	125	12	3	07 Jul	150	10	3
24	120	12	4	08	155	10	3
25	125	35	5	09	155	10	3
26	130	25	5	10	150	5	2
27	135	15	4	11	150	15	4
28	140	15	3	12	145	15	4
29	145	10	3	13	140	10	3
30	145	5	2	14	145	10	3
01 Jul	140	15	4	15	145	12	3
02	140	15	4	16	145	12	3
03	140	12	4	17	140	10	3
04	145	5	2	18	135	10	3
05	150	15	4	19	130	10	3
06	155	15	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
16 Jun	0408	0423	0443	M1.8	0.027	1F	N19E10		4114				
16 Jun	0917	0938	0948	M6.3	0.053	1B	N19E08		4114			420	
16 Jun	1127	1139	1143	M1.4	0.010								
16 Jun	1443	1455	1503	M1.1	0.010								
17 Jun	2138	2149	2154	X1.2	0.051	2B	N18W12		4114			200	
17 Jun	2344	0000	0015	M1.5	0.019				4117				
19 Jun	2337	2350	2354	X1.9	0.067				4114				
20 Jun	0002	0004	0006	M4.6	0.012	1N	N19W39		4114				
20 Jun	1721	1740	1759	M1.0	0.015	1F	S12E46		4117	180			

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
16 Jun	0141	0148	0201	C6.5	SF	S15W80	4105
16 Jun	0300	0314	0320	C6.7			4105
16 Jun	0408	0423	0443	M1.8	1F	N19E10	4114
16 Jun	0625	0639	0645	C5.0			4109
16 Jun	0708	0710	0716		SF	N23E18	4115
16 Jun	0812	0822	0830	C3.8			4107
16 Jun	0917	0938	0948	M6.3	1B	N19E08	4114
16 Jun	1018	1033	1049		SF	N19E07	4114
16 Jun	1127	1139	1143	M1.4			
16 Jun	1255	1257	1302		SF	N18E06	4114
16 Jun	1443	1455	1503	M1.1			
16 Jun	1704	1712	1721	C3.1			
16 Jun	2044	2045	2055		SF	N17E05	4114
16 Jun	2302	2309	2312	C4.5			4114
17 Jun	0049	0053	0056	C4.1			4113
17 Jun	0115	0126	0133	C6.8	SF	N18E01	4114
17 Jun	B0600	U0601	A0613		SF	N18W04	4114
17 Jun	0614	0621	0627	C9.9			
17 Jun	B0640	U0645	0659		SF	N23E05	4115
17 Jun	0806	0813	0816	C5.5			
17 Jun	1032	U1035	1043		SF	N17W06	4114
17 Jun	1054	U1105	1157		SF	N17W06	4114

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
17 Jun	1240	1242	1259		SF	N19W05	4114
17 Jun	1313	1314	1318		SF	S14E83	
17 Jun	1342	1344	1349		SF	S14E83	
17 Jun	1402	1404	1427		SF	N18W05	4114
17 Jun	1403	1404	1422		SF	N19W05	4114
17 Jun	1757	1759	1801		SF	N21W02	4115
17 Jun	2034	2038	2042	C2.3			4114
17 Jun	2048	2059	2111	C3.4			
17 Jun	2138	2149	2154	X1.2	2B	N18W12	4114
17 Jun	2203	2205	2213		SF	N21E05	4115
17 Jun	2344	0000	0015	M1.5			4117
18 Jun	0158	0205	0212	C3.7			4117
18 Jun	0303	0313	0321	C9.2	SF	N22W06	4115
18 Jun	0504	0512	0523	C4.1			4117
18 Jun	0523	0533	0538	C4.7			4117
18 Jun	0538	0614	0620	C5.5			
18 Jun	B0601	U0601	A0615		SF	S15E75	
18 Jun	0620	0625	0627	C5.5			
18 Jun	B0745	U0748	A0805		SF	N18W19	4114
18 Jun	0830	0836	0846	C3.9	SF	S16E74	4117
18 Jun	B0911	U0912	A0920	C6.9	SF	S16E74	4117
18 Jun	B0914	U0917	A1001		SF	N18W16	4114
18 Jun	B0941	U0947	A0949		SF	S14E71	4117
18 Jun	B1005	U1006	A1011		SF	N19W17	4114
18 Jun	1109	1131	1140	C4.7	SF	N19W19	4114
18 Jun	1228	1234	1237	C5.2	SF	S17E72	4117
18 Jun	1400	1407	1413	C2.6	SF	S17E72	4117
18 Jun	1423	1424	1427		SF	N21W19	4114
18 Jun	1523	1531	1543	C2.1			4114
18 Jun	1528	1531	1535		SF	N10W28	4113
18 Jun	1531	1532	1553		SF	N17W22	4114
18 Jun	1607	1616	1628	C3.0	SF	N19W20	4114
18 Jun	1803	1807	1811	C1.6			
18 Jun	1817	1822	1827	C1.9			
18 Jun	1841	1842	1847		SF	N21W14	4115
18 Jun	1854	1901	1904	C1.5			
18 Jun	2037	2046	2049	C2.0	SF	N17W24	4114
18 Jun	2134	2139	2143	C3.0	SF	N17W25	4114

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
18 Jun	2207	2208	2220		SF	N23W14	4115
18 Jun	2248	2251	2253	C1.2			
18 Jun	2306	2313	2317	C4.1	SN	N17W26	4114
19 Jun	0123	0130	0136	C1.7			
19 Jun	0405	0412	0415	C4.4	SF	S17E65	4117
19 Jun	0639	0651	0654	C5.9	SF	S13E63	4117
19 Jun	0713	0727	0751	C6.0	SF	N17W30	4114
19 Jun	0823	0827	0829	C2.3	SF	S15E64	4117
19 Jun	0906	0917	0953	C7.9	1N	N17W32	4114
19 Jun	1002	1002	1007		SF	N13W58	4111
19 Jun	1031	1037	1039	C1.9	SF	S15E62	4117
19 Jun	1041	1043	1050		SF	N14W57	4111
19 Jun	1055	1058	1101		SF	N14W57	4111
19 Jun	1108	1108	1112		SF	S15E62	4117
19 Jun	1135	1136	1141		SF	N23W23	4115
19 Jun	1150	1151	1153		SF	S15E61	4117
19 Jun	1329	1342	1358		SF	N18W32	4114
19 Jun	1621	1640	A1701		SF	N18W33	4114
19 Jun	1915	1929	1935	C5.9	SF	N19W35	4114
19 Jun	2116	2134	2143	C4.4			4116
19 Jun	2337	2350	2354	X1.9			4114
20 Jun	B0002	0003	0039	M4.6	1N	N19W39	4114
20 Jun	0856	0903	0910	C1.1			
20 Jun	1258	1305	1308	C1.1			
20 Jun	1350	1357	1400	B8.7			
20 Jun	1501	1504	1506	C3.6	SF	N16W53	4114
20 Jun	1721	1740	1759	M1.0	1F	S12E46	4117
20 Jun	1838	1848	1851	C2.2			
21 Jun	0100	0105	0107	C2.0			4114
21 Jun	0239	0248	0251	B6.6			
21 Jun	0823	0828	0832	B9.1			4117
21 Jun	1955	2004	2017	B7.7			4118
22 Jun	0306	0315	0319	C1.3			4114
22 Jun	0435	0443	0446	B9.9			4114
22 Jun	0557	0602	0606	C1.0			4118
22 Jun	1057	1101	1103	C1.3	SF	S12E15	4117
22 Jun	1339	1345	1359		SF	N21W51	4115
22 Jun	1734	1741	1747	C1.5			4113

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
22 Jun	1835	1842	1848	C1.0			4118
22 Jun	1923	1933	1941	C1.1			
22 Jun	2133	2139	2141	B9.7			4118
22 Jun	2141	2146	2200	C1.2			4111

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 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				
09 Jun	S15W04	129	80	13	Eai	21	BG	1			1				
10 Jun	S15W17	130	140	13	Eai	24	BG				1				
11 Jun	S14W32	131	250	13	Ekc	15	BG	2			4				
12 Jun	S15W46	132	260	13	Ekc	15	BG	3			2				
13 Jun	S15W59	132	270	11	Eki	13	B	1	1		2	1			
14 Jun	S15W71	131	310	12	Eki	9	B	4	2			1			
15 Jun	S14W84	130	240	7	Dso	9	B	2	2		3	1			
								41	6	0	29	3	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 129

			Region 4109												
07 Jun	S16E40	112	10	5	Cro	3	B								
08 Jun	S16E26	113	20	6	Cro	5	B								
09 Jun	S16E09	116	20	5	Cro	3	B								
10 Jun	S17W04	117	10	7	Cro	3	B								
11 Jun	S17W18	117	10	7	Cro	3	B								
12 Jun	S17W32	118	plage												
13 Jun	S17W46	119	plage												
14 Jun	S17W60	120	plage												
15 Jun	S17W76	122	20	3	Cao	2	B				1				
16 Jun	S17W90	123	20	3	Cao	4	B	1							
								1	0	0	1	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 117

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 4110													
09 Jun	N05E12	113	20	4	Dro	6	B								
10 Jun	N04W02	115	10	6	Cro	6	B								
11 Jun	N05W16	115	10	6	Cro	4	B								
12 Jun	N06W30	116	30	4	Dao	5	B								
13 Jun	N05W44	117	80	10	Dai	13	BG	2			3				
14 Jun	N06W58	118	120	11	Eai	12	B				2				
15 Jun	N05W72	118	180	9	Dai	8	B				1				
16 Jun	N05W83	116	80	6	Dai	8	B								
								2	0	0	6	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 115

		Region 4111													
09 Jun	N14E62	63	30	1	Hsx	1	A								
10 Jun	N14E50	63	140	3	Hsx	2	A				1				
11 Jun	N16E41	58	140	3	Hsx	2	A								
12 Jun	N15E27	59	120	3	Hsx	1	A								
13 Jun	N14E13	60	100	2	Hsx	2	A								
14 Jun	N14W00	60	100	2	Hsx	1	A								
15 Jun	N15W14	60	110	3	Cso	4	B	1			1				
16 Jun	N15W26	59	70	4	Cso	5	B								
17 Jun	N15W37	57	70	4	Cso	5	B								
18 Jun	N15W51	58	70	4	Dao	7	B								
19 Jun	N16W65	59	70	4	Hsx	2	A				3				
20 Jun	N14W78	58	20	1	Hsx	1	A								
21 Jun	N17W91	58	30	1	Hsx	1	A								
								1	0	0	5	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 60

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 4112												
10 Jun	S09E32	79	10	3	Bxo	2	B								
11 Jun	S09E25	74	5	1	Axx	1	A								
12 Jun	S06E11	75	5	1	Axx	1	A								
13 Jun	S09W05	78	10	3	Bxo	4	B								
14 Jun	S09W19	79	plage												
15 Jun	S09W33	79	plage												
16 Jun	S09W47	80	plage												
17 Jun	S09W61	81	plage												
18 Jun	S09W75	82	plage												
19 Jun	S09W89	83	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 78

			Region 4113												
11 Jun	N12E65	34	20	3	Cao	3	B								
12 Jun	N10E50	36	20	3	Hsx	2	A								
13 Jun	N10E32	41	30	1	Hsx	1	A								
14 Jun	N10E18	42	20	1	Hsx	1	A	1			1				
15 Jun	N10E05	41	30	1	Hsx	1	A								
16 Jun	N10W09	42	20	1	Hsx	1	A								
17 Jun	N10W22	42	10	2	Axx	1	A	1							
18 Jun	N10W36	43	10	1	Axx	1	A				1				
19 Jun	N10W50	44	plage												
20 Jun	N10W64	44	plage												
21 Jun	N10W78	45	plage												
								2	0	0	2	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 41

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 4114												
11 Jun	N17E63	36	30	4	Cro	6	B								
12 Jun	N18E57	33	70	5	Cai	5	B								
13 Jun	N18E39	34	80	7	Dai	14	B	2			4				
14 Jun	N17E26	34	270	10	Dki	19	BG	6			4				
15 Jun	N17E12	34	380	11	Ekc	27	BGD	9	2		14	1			
16 Jun	N18W01	34	330	11	Ekc	30	BGD	1	2		3	2			
17 Jun	N18W12	32	330	13	Ekc	32	BGD	2		1	7		1		
18 Jun	N18W26	33	360	13	Ekc	32	BG	6			10				
19 Jun	N21W41	35	400	13	Ekc	32	BG	3		1	4	1			
20 Jun	N18W54	34	270	14	Ekc	20	BG	1	1		1	1			
21 Jun	N19W67	34	320	12	Ehi	8	BG	1							
22 Jun	N20W78	32	220	12	Eso	3	B	1							
								32	5	2	47	5	1	0	0

Still on Disk.
Absolute heliographic longitude: 34

			Region 4115												
11 Jun	N21E81	19	plage					1							
12 Jun	N21E67	19	180	10	Dso	4	B	3				1			
13 Jun	N21E53	20	150	10	Dso	3	B								
14 Jun	N21E40	20	160	12	Eso	3	B	1			1				
15 Jun	N21E26	20	150	12	Eso	4	B								
16 Jun	N21E12	21	100	13	Cso	3	B				1				
17 Jun	N20W01	21	120	11	Eso	5	B				3				
18 Jun	N20W15	22	110	12	Eso	8	BG	1			3				
19 Jun	N22W28	22	120	12	Eso	5	BG				1				
20 Jun	N22W41	21	70	12	Eso	5	B								
21 Jun	N22W54	21	80	14	Eso	7	B								
22 Jun	N22W66	20	80	11	Eso	3	B				1				
								6	0	0	10	1	0	0	0

Still on Disk.
Absolute heliographic longitude: 21

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 4116												
14 Jun	S12E26	34	80	7	Dao	8	B	1			2				
15 Jun	S12E12	34	140	7	Dao	6	B								
16 Jun	S11W03	36	80	7	Dso	4	B								
17 Jun	S12W16	36	70	8	Dso	4	B								
18 Jun	S12W29	36	40	7	Cso	3	B								
19 Jun	S10W44	38	40	2	Hsx	2	A	1							
20 Jun	S12W57	37	10	1	Hsx	1	A								
21 Jun	S10W71	38	20	1	Hsx	1	A								
22 Jun	S10W82	36	20	1	Hsx	1	A								
								2	0	0	2	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 36

			Region 4117												
17 Jun	S16E77	303	plage						1						
18 Jun	S16E63	303	70	10	Dai	9	B	7			5				
19 Jun	S14E50	303	210	8	Dai	9	BG	4			6				
20 Jun	S14E38	302	80	8	Dai	6	B		1			1			
21 Jun	S15E23	304	200	8	Dai	7	B								
22 Jun	S15E11	303	190	8	Dsi	11	B	1			1				
								12	2	0	12	1	0	0	0

Still on Disk.
Absolute heliographic longitude: 303

			Region 4118												
19 Jun	S14E62	292	50	1	Dao	3	B								
20 Jun	S13E50	290	20	2	Hsx	2	A								
21 Jun	S14E36	291	60	2	Cao	3	B								
22 Jun	S13E22	292	120	5	Dai	12	B	2							
								2	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 292

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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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