

Solar activity ranged from low to moderate levels (R1/Minor). Low levels were observed on 04, 06 and 08-10 Sep. Moderate levels occurred on 05 and 07 Sep. On 05 Sep, Region 3421 (N15, L=343, class/area Eai220 on 07 Sep) produced 3 M-class flares, the largest an M2.0/2n at 05/0812 UTC. This region also produced 21 C-class flares. On 07 Sep, Region 3425 (N23, L=246, class/area Dai/140 on 08 Sep) produced an M2.1/1b at 07/1909 UTC. Associated with this flare was a 1,238 sfu Type II Sweep. Region 3425 also produced 9 C-class flares. The largest region on the disk was Region 3423 (N16, L=279, Ekc/380 on 10 Sep). This region produced 8 C-class flares. During the period, numerous CMEs were detected on both the front and back side. None were determined to be Earth-directed.

The greater than 10 MeV protons at geosynchronous orbit were slightly enhanced on 06-07 Sep due to M-class activity on 05 Sep.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels to 1,870 pfu at 05/1550 UTC. Low to moderate levels were observed on 04, 06-10 Sep.

Geomagnetic field activity ranged from mostly quiet to unsettled levels on 04-10 Sep, with isolated active levels observed late on 05 Sep. Weak CME effects were observed on 04-05 Sep with weak negative polarity CH HSS effects observed on 06-09 Sep. Total field readings, through the period, generally averaged 5 nT with a brief peak to 11 nT observed late on 05 Sep. The Bz component reached maximum southward readings to 10 nT late on 05 Sep. Wind speeds ranged from highs of near 450 km/s on 04-06 Sep to lows of near 300 km/s on 10 Sep.

Space Weather Outlook **11 September - 07 October 2023**

Solar activity is expected to be at low to moderate levels through the forecast period. M-class flaring (R1-R2/Minor-Moderate) is expected to dominate from 15-28 Sep when old Region 3413 (N10, L=099) returns to the visible disk.

No proton events are expected at geosynchronous orbit.

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

Geomagnetic field activity is expected to be at unsettled to active levels on 12-15, 23 and 28-30 Sep due to CH HSS activity. Mostly quiet levels are expected on 11, 16-22, 24-27 Sep and 01-07 Oct.



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
04 September	136	100	140	B7.9	10	0	0	9	0	0	0	0
05 September	143	121	325	B7.7	7	3	0	8	4	0	0	0
06 September	147	131	625	B7.3	12	0	0	11	1	0	0	0
07 September	161	135	585	B8.8	8	1	0	15	1	0	0	0
08 September	161	123	620	C1.0	8	0	0	12	0	0	0	0
09 September	161	119	620	C1.0	11	0	0	13	2	0	0	0
10 September	164	167	670	C1.1	8	0	0	20	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	
	04 September	8.9e+05	2.5e+04	1.7e+07
05 September	3.8e+05	2.0e+04	4.0e+07	
06 September	3.9e+05	2.7e+04	1.2e+07	
07 September	1.9e+05	2.2e+04	1.3e+07	
08 September	9.3e+04	1.9e+04	2.4e+07	
09 September	4.8e+05	1.9e+04	4.8e+06	
10 September	2.3e+05	2.0e+04	2.4e+06	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	04 September	14	3-4-3-3-3-2-2-2	5	2-2-1-1-2-1-1-1	8
05 September	14	3-3-3-2-3-3-3-3	9	0-2-0-2-2-4-3-2	11	1-1-1-1-2-4-4-2
06 September	10	3-2-3-2-3-2-2-1	11	1-0-3-2-5-2-1-1	8	2-1-2-1-3-3-1-1
07 September	11	3-3-2-2-3-2-3-2	3	2-0-1-1-1-1-1-1	6	3-1-1-1-2-1-2-2
08 September	8	3-3-2-2-2-2-1-1	3	1-2-0-1-1-1-0-1	6	3-1-0-1-1-2-1-1
09 September	12	3-3-2-2-3-4-1-1	10	1-2-2-4-4-2-0-0	8	3-2-1-2-3-3-0-1
10 September	6	2-2-1-2-1-2-1-2	1	1-0-0-0-0-1-1-0	7	2-1-1-1-1-1-1-1

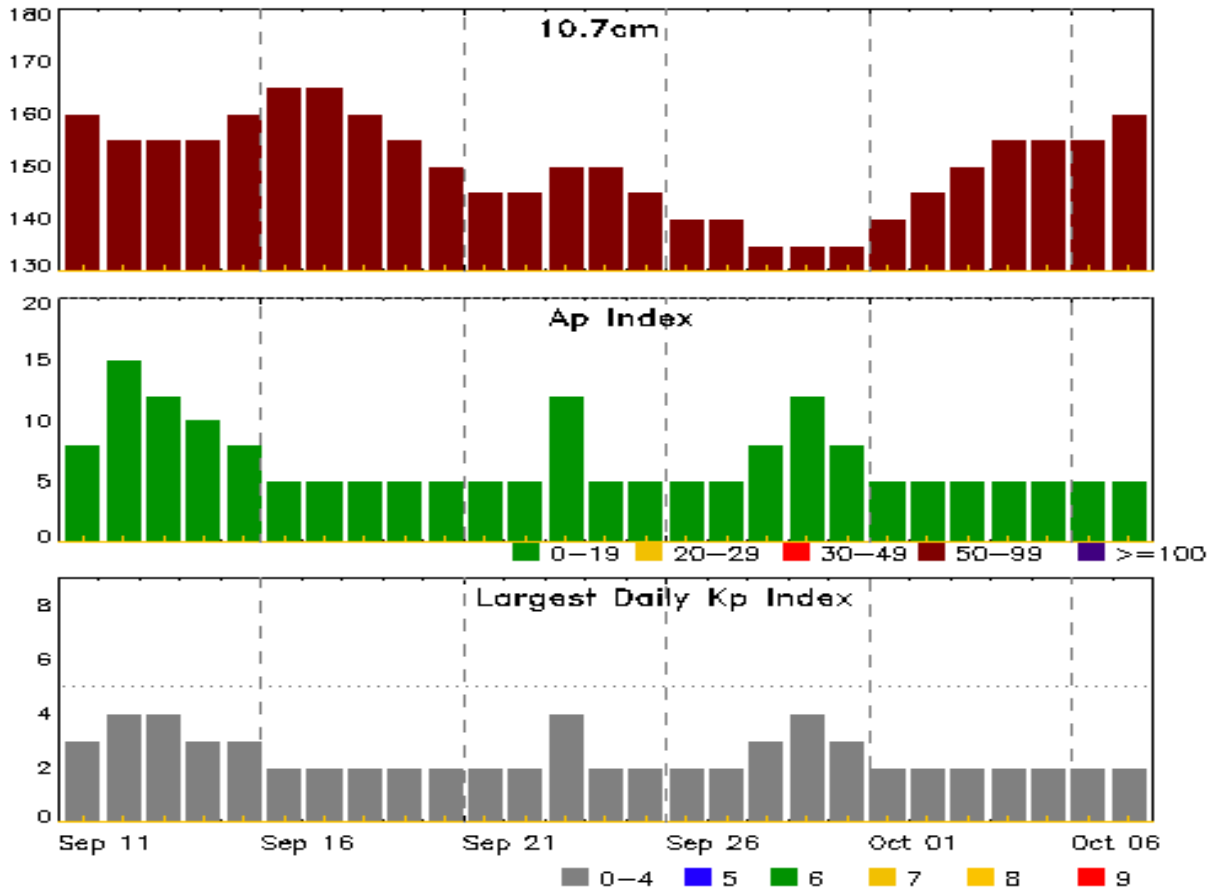


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
05 Sep 1509	WARNING: Geomagnetic Sudden Impulse expected	05/1507 - 1550
05 Sep 1535	SUMMARY: Geomagnetic Sudden Impulse	05/1529
05 Sep 1543	ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1525
05 Sep 1609	WARNING: Geomagnetic K = 4	05/1608 - 06/0600
05 Sep 1714	ALERT: Geomagnetic K = 4	05/1714
05 Sep 1902	WATCH: Geomagnetic Storm Category G1 predicted	
05 Sep 2020	WARNING: Geomagnetic K = 5	05/2018 - 06/0600
05 Sep 2039	ALERT: Type II Radio Emission	05/2021
06 Sep 1442	WARNING: Geomagnetic K = 4	06/1442 - 2100
07 Sep 1928	ALERT: Type II Radio Emission	07/1903



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
11 Sep	160	8	3	25 Sep	145	5	2
12	155	15	4	26	140	5	2
13	155	12	4	27	140	5	2
14	155	10	3	28	135	8	3
15	160	8	3	29	135	12	4
16	165	5	2	30	135	8	3
17	165	5	2	01 Oct	140	5	2
18	160	5	2	02	145	5	2
19	155	5	2	03	150	5	2
20	150	5	2	04	155	5	2
21	145	5	2	05	155	5	2
22	145	5	2	06	155	5	2
23	150	12	4	07	160	5	2
24	150	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
05 Sep	0803	0812	0824	M2.0	0.016	1N	N16W04	3421				
05 Sep	1933	1945	1957	M1.2	0.011	1N	N16W10	3421				
05 Sep	2321	2339	2353	M1.0	0.009	1F	N15W13	3421				
07 Sep	1858	1909	1924	M2.1	0.022	1B	N22E56	3425	28000			2

Flare List

Date	Time			X-ray Class	Imp/ Brtns	Location	Rgn #
	Begin	Max	End				
04 Sep	0232	0233	0239		SF	S06W05	3417
04 Sep	0357	0402	0847	C1.3			
04 Sep	0435	0443	0447	C2.0	SF	N14E14	3421
04 Sep	0806	0808	0816		SF	N17E70	3423
04 Sep	0847	0854	0902	C1.5			
04 Sep	0940	0940	0945		SF	N17E73	3423
04 Sep	1031	1106	1139	C6.6			3413
04 Sep	1036	1038	1042		SF	N15E10	3421
04 Sep	1248	1254	1301	C1.9	SF	N15E09	3421
04 Sep	1334	1349	1404	C2.4			
04 Sep	1403	1408	1424	C2.1	SF	N16E28	3422
04 Sep	1603	1604	1608		SF	S09W08	3417
04 Sep	1705	1718	1729	C1.4			3421
04 Sep	1729	1737	1749	C1.5			
04 Sep	1911	1920	1927	C1.3			3417
04 Sep	2144	2146	2149		SF	N24E04	3418
05 Sep	0010	0010	0015		SF	N14E24	3422
05 Sep	0039	0043	0052	C2.1	SF	N28W65	3419
05 Sep	0213	0218	0229	C1.0			
05 Sep	0436	0447	0459	C4.2	SF	N15E00	3421
05 Sep	0536	0536	0606		SF	N16W02	3421
05 Sep	0803	0812	0824	M2.0	1N	N16W04	3421
05 Sep	0852	0904	0921		SF	N16E19	3422
05 Sep	0922	0937	0954	C7.2			3424
05 Sep	1735	1735	1738		SF	N16W09	3421
05 Sep	1745	1745	1749		SF	N15W05	3421
05 Sep	1758	1819	1822	C3.3	SN	N15W09	3421



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
05 Sep	1822	1831	1839	C3.6			3421
05 Sep	1933	1945	1957	M1.2	1N	N16W10	3421
05 Sep	2213	2222	2246	C3.9	1N	S20W07	3420
05 Sep	2321	2339	2353	M1.0	1F	N15W13	3421
06 Sep	B0000	0000	0012		SF	N15W13	3421
06 Sep	0042	0050	0101	C4.7	1F	N15W13	3421
06 Sep	0452	0458	0502	C1.1			
06 Sep	0628	0639	0652	C1.8	SF	S09W34	3417
06 Sep	0750	0756	0800	C3.7	SF	N13W22	3421
06 Sep	0922	0927	0932		SF	N14W20	3421
06 Sep	1032	1046	1100	C1.8			
06 Sep	1100	1103	1107	C1.8			
06 Sep	1319	1326	1331	C2.8			
06 Sep	1342	1345	1349	C3.2			
06 Sep	1654	1657	1701	C1.7			
06 Sep	1751	1756	1800	C5.3	SF	N13W25	3421
06 Sep	1918	1925	1929	C1.2	SF	N13W22	3421
06 Sep	1958	2000	2007		SF	N23E76	3425
06 Sep	2043	2048	2052	C3.4	SF	N13W26	3421
06 Sep	2121	2124	2127		SF	N17E40	3423
06 Sep	2214	2215	2221		SF	N22E72	3425
06 Sep	2339	2341	2342		SF	N16E40	3423
07 Sep	0038	0047	0051	C1.1	SF	S07W43	3417
07 Sep	0115	0118	0119		SF	N22E73	3425
07 Sep	0122	0123	0124		SF	N22E73	3425
07 Sep	0146	0154	0204	C1.7	SF	N22E73	3425
07 Sep	0236	0242	0246	C2.3	SF	N24E75	3425
07 Sep	0327	0328	0329		SF	N18W26	3421
07 Sep	0505	0524	0538	C3.3	SF	N15E34	3423
07 Sep	0800	0805	0806		SF	N23E69	3425
07 Sep	1026	1031	1035	C3.4			3421
07 Sep	B1038	U1038	A1054		SF	N15E30	3423
07 Sep	B1059	U1116	A1122		SF	N16E33	3423
07 Sep	B1139	U1140	A1142	C3.0	SF	N15E30	3423
07 Sep	1408	U1409	1437		SF	N15W36	3421
07 Sep	1451	1452	1454		SF	N15E29	3423
07 Sep	1456	1456	1509		SF	N15E29	3423
07 Sep	1538	1547	1559	C1.3	SF	N14W13	3422



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
07 Sep	1559	1603	1607	C1.3			3422
07 Sep	1858	1909	1924	M2.1	1B	N22E56	3425
08 Sep	0044	0044	0046		SF	N17W32	3421
08 Sep	0416	0442	0456	C4.0	SF	N26E62	3425
08 Sep	0654	0702	0712	C2.3	SF	N23E53	3425
08 Sep	0745	0747	0748		SF	N16W36	3421
08 Sep	1111	1111	1115		SF	N16W36	3421
08 Sep	1114	1117	1121	C3.7	SF	N23E51	3425
08 Sep	1251	1252	1255		SF	N23E50	3425
08 Sep	1348	1351	1355	C2.6	SF	N23E50	3425
08 Sep	1459	1500	1509		SF	N28E57	3425
08 Sep	1619	1622	1627	C1.4			3425
08 Sep	1810	1819	1842	C2.5	SF	N31E57	3425
08 Sep	2128	2129	2137		SF	N14W46	3421
08 Sep	2307	2313	2317	C4.2	SN	N11W52	3421
08 Sep	2335	2342	2346	C1.8			
09 Sep	0115	0120	0124	C8.4	SN	N15W54	3421
09 Sep	0155	0204	0208	C2.4	SF	N15W54	3421
09 Sep	0243	0250	0254	C2.3			3421
09 Sep	0302	0302	0305		SF	N15W54	3421
09 Sep	0311	0323	0346	C5.8	1N	N15W54	3421
09 Sep	0357	0359	0410		SF	N15W54	3421
09 Sep	0436	0439	0507		SF	N15W54	3421
09 Sep	0508	0515	0524	C2.0	SF	N15W54	3421
09 Sep	0547	0556	0603	C3.5	1F	N13W57	3421
09 Sep	0707	0710	0713		SF	N29E47	3425
09 Sep	0939	0945	0949	C1.9	SF	N19E05	3423
09 Sep	1107	1114	1119	C1.6	SF	N14W59	3421
09 Sep	1152	1152	1159		SF	S15W02	3426
09 Sep	1335	1340	1346	C2.0	SF	N14W62	3421
09 Sep	1611	1617	1622	C1.6			3417
09 Sep	2129	2132	2138		SF	N19W66	3418
09 Sep	2238	2247	2256	C1.4			3418
09 Sep	2319	2324	2333		SF	N24E33	3425
10 Sep	0054	0107	0119	C4.7	SF	N27E39	3425
10 Sep	0141	0155	0210	C8.3	SF	N15W04	3423
10 Sep	0242	0245	0246		SF	N21W66	3418
10 Sep	0300	0301	0306		SF	N21W66	3418



Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical		Rgn #
	Begin	Max	End			Location Lat CMD		
10 Sep	0419	0435	0503	C3.6	SF	N15W06		3423
10 Sep	0427	0427	0431		SF	N14W70		3421
10 Sep	0558	0559	0603		SF	N13W73		3421
10 Sep	0609	0610	0613		SF	N25E26		3425
10 Sep	0632	0635	0642		SF	N13W73		3421
10 Sep	0648	0650	0657		SF	N19E05		3423
10 Sep	0746	0746	0752		SF	N14W73		3421
10 Sep	0811	0814	0820		SF	N16W09		3423
10 Sep	0906	0913	0920	C1.5	SF	N16W08		3423
10 Sep	0956	1002	1006		SF	N24E24		3425
10 Sep	1140	1151	1202	C2.2				3423
10 Sep	1146	1146	1150		SF	N16W10		3423
10 Sep	1159	1159	1203		SF	N16W10		3423
10 Sep	1320	1330	1335	C2.2	SF	N18W72		3418
10 Sep	1508	1516	1531		SF	N26E23		3425
10 Sep	1519	1521	1532		SF	N16W10		3423
10 Sep	2125	2138	2147	C4.0				3431
10 Sep	2215	2226	2243	C3.1	SF	N16W16		3423



Region Summary

Date	Location		Sunspot Characteristics				Flares											
	Lat CMD	Helio Lon	Area 10 ⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical							
								C	M	X	S	1	2	3	4			
Region 3415																		
22 Aug	S09E74	81	240	5	Hax	1	A											
23 Aug	S11E62	79	350	10	Dho	3	B											
24 Aug	S09E49	79	350	5	Dko	4	B											
25 Aug	S09E35	79	270	5	Dko	4	BD		1				1					
26 Aug	S10E20	82	200	5	Dao	5	BD					1						
27 Aug	S10E06	83	200	4	Dao	4	BD											
28 Aug	S09W07	83	250	5	Dko	5	BD					1						
29 Aug	S10W19	80	190	4	Dao	8	BG					1						
30 Aug	S09W31	80	210	5	Dao	10	B	1				1						
31 Aug	S09W44	80	200	5	Dao	5	B											
01 Sep	S09W57	80	190	5	Dao	4	B						1					
02 Sep	S09W70	80	120	4	Dso	2	B											
03 Sep	S09W83	80	120	4	Cso	2	B											
								1	1	0	5	1	0	0	0	0		

Crossed West Limb.

Absolute heliographic longitude: 83

Region 3416																		
25 Aug	S19E71	44	30	2	Hsx	1	A	1										
26 Aug	S19E52	50	30	2	Hsx	1	A											
27 Aug	S19E38	51	50	2	Hsx	1	A											
28 Aug	S19E28	48	30	1	Hsx	1	A											
29 Aug	S20E18	45	50	1	Hsx	1	A											
30 Aug	S18E06	42	50	1	Hsx	1	A											
31 Aug	S19W11	47	20	1	Hsx	1	A											
01 Sep	S19W24	47	10	1	Axx	1	A											
02 Sep	S19W38	48	plage															
03 Sep	S19W52	49	plage															
04 Sep	S19W66	50	plage															
05 Sep	S19W81	51	plage															
								1	0	0	0	0	0	0	0	0	0	

Crossed West Limb.

Absolute heliographic longitude: 42



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares												
	Lat CMD	Lon	Helio 10 ⁻⁶ hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical								
									C	M	X	S	1	2	3	4				
Region 3417																				
28 Aug	S08E75		1	50	10	Dso	3	B	1											
29 Aug	S07E61		4	140	6	Cao	8	B	2				2							
30 Aug	S05E46		2	150	7	Dao	7	B	1				1							
31 Aug	S08E35		1	120	8	Cao	8	B												
01 Sep	S08E22		1	100	11	Cso	15	B												
02 Sep	S08E07		3	80	9	Dsi	16	B												
03 Sep	S08W08		5	40	10	Cso	4	B	1				1							
04 Sep	S08W22		6	40	10	Cao	4	B	1				2							
05 Sep	S06W34		4	30	11	Cro	4	B												
06 Sep	S07W51		7	40	5	Hsx	1	A	1				1							
07 Sep	S07W64		8	10	1	Hrx	1	A	1				1							
08 Sep	S08W82		11	10	1	Hsx	1	A												
09 Sep	S08W94		11	plage																
									1											
									9	0	0	8	0	0	0	0	0			

Crossed West Limb.

Absolute heliographic longitude: 3

Region 3418

30 Aug	N22E63	345	30	10	Hsx	1	A											
31 Aug	N22E50	346	30	1	Hsx	1	A											
01 Sep	N22E37	346	20	2	Hsx	1	A											
02 Sep	N21E24	346	10	1	Hsx	1	A											
03 Sep	N21E10	347	10	1	Hsx	1	A											
04 Sep	N21W04	348	10	1	Hrx	1	A						1					
05 Sep	N21W18	348	5	1	Axx	1	A											
06 Sep	N21W32	349	10	1	Axx	1	A											
07 Sep	N20W39	343	10	1	Bxo	2	B											
08 Sep	N19W52	343	10	3	Bxo	5	B											
09 Sep	N19W66	343	10	7	Bxi	8	B	1					1					
10 Sep	N19W80	344	20	5	Cro	5	B	1					3					
									2	0	0	5	0	0	0	0	0	

Still on Disk.

Absolute heliographic longitude: 348



Region Summary - continued

Date	Location		Sunspot Characteristics				Flares							
	Lat CMD	Lon	Helio 10 ⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical			
								C	M	X	S	1	2	3

Region 3419

02 Sep	N24W37	47	10	2	Bxo	3	B										
03 Sep	N24W51	48	10	3	Bxo	3	B										
04 Sep	N24W65	49	10	3	Bxo	3	B										
05 Sep	N24W80	50	10	5	Bxo	3	B	1				1					
								1	0	0		1	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 47

Region 3420

03 Sep	S20E16	341	30	3	Cso	4	B										
04 Sep	S20E02	342	20	3	Cro	1	B										
05 Sep	S19W12	342	10	2	Axx	3	A	1				1					
06 Sep	S22W25	341	10	4	Axx	3	A										
07 Sep	S22W38	342	plage														
08 Sep	S22W52	343	plage														
09 Sep	S22W66	343	plage														
10 Sep	S22W80	344	plage														
								1	0	0		0	1	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 342

Region 3421

03 Sep	N15E14	343	20	3	Bxo	5	B										
04 Sep	N15W00	344	20	8	Dai	9	B	3				3					
05 Sep	N14W14	344	140	9	Dai	15	B	3	3			5	3				
06 Sep	N14W26	342	220	10	Dai	19	B	5				6	1				
07 Sep	N15W39	343	220	11	Eai	23	BG	1				2					
08 Sep	N14W53	343	170	12	Eai	17	B	1				5					
09 Sep	N11W64	340	100	11	Eai	12	B	8				8	2				
10 Sep	N13W78	342	60	15	Eao	11	B					4					
								21	3	0		33	6	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 344



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Lon	Helio 10 ⁶ hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
Region 3422																							
04 Sep	N13E22	322	30	5	Cro	6	B	1				1											
05 Sep	N13E07	323	30	6	Dro	5	B					2											
06 Sep	N14W05	321	20	4	Hsx	4	A																
07 Sep	N14W19	323	5	1	Axx	1	A	2				1											
08 Sep	N14W33	324	plage																				
09 Sep	N14W47	324	plage																				
10 Sep	N14W61	325	plage																				
								3	0	0	4	0	0	0	0	0							

Still on Disk.

Absolute heliographic longitude: 321

Region 3423																							
04 Sep	N16E61	283	10	5	Bxo	6	B					2											
05 Sep	N16E46	284	90	5	Dao	8	B																
06 Sep	N16E36	281	245	5	Dao	14	B					2											
07 Sep	N17E22	282	240	8	Dao	15	B	2				6											
08 Sep	N16E10	280	280	11	Eki	23	B																
09 Sep	N12W03	279	380	11	Ekc	32	B	1				1											
10 Sep	N16W16	279	380	13	Ekc	21	BG	5				9											
								8	0	0	20	0	0	0	0	0							

Still on Disk.

Absolute heliographic longitude: 279

Region 3424																							
05 Sep	N16E74	256	10	1	Bxo	2	B	1															
06 Sep	N17E61	255	40	2	Cso	2	B																
07 Sep	N17E48	255	30	3	Cro	3	B																
08 Sep	N16E35	255	10	4	Cro	2	B																
09 Sep	N17E22	255	plage																				
10 Sep	N17E08	256	plage																				
								1	0	0	0	0	0	0	0	0							

Still on Disk.

Absolute heliographic longitude: 256



Region Summary - continued

Date	Location		Sunspot Characteristics					Flares															
	Lat CMD	Helio Lon	Area 10 ⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical												
								C	M	X	S	1	2	3	4								
Region 3425																							
06 Sep	N23E70	247	40	5	Cso	7	B					2											
07 Sep	N23E56	248	60	7	Dao	8	B	2	1			5	1										
08 Sep	N23E43	246	140	8	Dai	15	BG	6				7											
09 Sep	N20E27	249	120	10	Dai	13	B					2											
10 Sep	N23E14	250	110	11	Eai	13	B	1				4											
								9	1	0		20	1	0	0	0	0						

Still on Disk.
 Absolute heliographic longitude: 250

Region 3426																							
07 Sep	S16E15	289	10	1	Bxo	2	B																
08 Sep	S14W00	290	plage																				
09 Sep	S14W14	291	plage									1											
10 Sep	S14W28	292	plage																				
								0	0	0		1	0	0	0	0	0						

Still on Disk.
 Absolute heliographic longitude: 290

Region 3427																							
09 Sep	S28E32	246	10	4	Bxo	4	B																
10 Sep	S28E16	248	10	5	Cro	4	B																
								0	0	0		0	0	0	0	0	0						

Still on Disk.
 Absolute heliographic longitude: 248

Region 3428																							
10 Sep	N14W49	313	20	3	Cro	4	B																
								0	0	0		0	0	0	0	0	0						

Still on Disk.
 Absolute heliographic longitude: 313

Region 3429																							
10 Sep	N09E60	204	30	9	Cso	9	B																
								0	0	0		0	0	0	0	0	0						

Still on Disk.
 Absolute heliographic longitude: 204



Region Summary - continued

Date	Location		Sunspot Characteristics				Flares								
	Lat	CMD	Helio Lon	Area 10 ⁻⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical			
									C	M	X	S	1	2	3

Region 3430

10 Sep	S16E09	255	10	3	Bxo	4	B	0	0	0	0	0	0	0	0
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Still on Disk.
 Absolute heliographic longitude: 255

Region 3431

10 Sep	S08E60	203	30	2	Dao	6	B	1	1	0	0	0	0	0	0
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Still on Disk.
 Absolute heliographic longitude: 203



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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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