

Solar activity ranged from low to moderate levels. Low levels were observed on 06-10 Nov and again on 12 Nov. Moderate levels (R1/Minor) were observed on 11 Nov due to an isolated M1.2/Sf flare at 11/1729 UTC from Region 3477 (S15, L=227, class/area Cko/350 on 05 Nov). Other activity included an eruption centered near S15W15 around 09/1115 UTC. An associated CME was first observed in SOHO/LASCO C2 imagery at 09/1148 UTC as an asymmetric halo. Modelling of the CME had an arrival around 11/2000 UTC. Another CME was associated with an eruption near Region 3484 (S15, L=215, class/area Cai/080 on 12 Nov) occurring at 10/1900 UTC. The associated CME was observed off the WSW limb beginning at 10/2000 UTC. Modelling of the CME suggested a possible grazing influence late on 15 Nov.

A minor enhancement in the greater than 10 MeV proton flux was observed beginning at 09/1630 UTC, likely associated with the aforementioned eruption a 09/1115 UTC. The flux reached a peak of 2.73 pfu at 10/0015 UTC before returning to background levels late on 11 Nov.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal to moderate levels on 06 Nov and reached high levels on 07-12 Nov in response to CME and coronal hole high speed stream (CH HSS) influences. A peak flux of 4,370 pfu was observed at 11/1710 UTC.

Geomagnetic field activity ranged from quiet to G2 (Moderate) storm levels. The period began under the influence of a combination of CME activity from 03 Nov and a negative polarity CH HSS. Early on 06 Nov, total field was in the 17-20 nT range but slowly dissipated. Total field decayed to 5 nT by early on 07 Nov where a fluctuation in the Bz component was observed, indicating a transition into the HSS. Solar wind speed continued to increase to 720-740 km/s by 08 Nov before slowly returning to values near 440 km/s by early on 12 Nov. Some discrepancies were observed in DSCOVR solar wind data, likely due to low densities. At 12/0531 UTC a small shock was observed in solar wind data marking the arrival of the 09 Nov halo CME. Total field increased initially from 2 nT to 5 nT with a solar wind speed increase from 465 km/s to 524 km/s. Total field continued to increase to 11 nT by late on 12 Nov along with a rotation to a southward Bz component occurring after 12/2205 UTC. Solar wind speed reached a maximum of 600 km/s at 12/0729 UTC before steadily descending to end-of-period values near 420 km/s. The geomagnetic field responded with unsettled to G2 storm levels on 06 Nov and quiet to G1 (Minor) storming on 07 Nov. Quiet to active levels were observed on 08, 10, and 12 Nov. Quiet to unsettled levels were observed on 09 Nov and quiet conditions prevailed on 11 Nov.

Space Weather Outlook

13 November - 09 December 2023

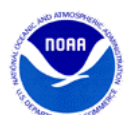
Solar activity is expected to be at very low to low levels with a chance for moderate levels (R1-R2/Minor-Moderate) on 13-15 Nov and again on 19 Nov-09 Dec.

No proton events are expected at geosynchronous orbit.



The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels on 13-17 Nov due to a combination of CME and CH HSS influence. High levels are expected again on 25 Nov-09 Dec due to recurrent CH HSS influence.

Geomagnetic field activity is expected to be at unsettled to G1 (Minor) levels on 13 Nov due to persistent CME activity. Quiet to unsettled levels are expected on 14-16 Nov due to a combination of positive polarity CH HSS activity and a potential grazing from the 10 Nov CME late on 15 Nov. Unsettled to active periods are also expected on 22-28 Nov and 04-07 Dec, with G1 storming likely on 22 Nov, 24-25 Nov, and 05 Dec, due to recurrent CH HSS activity.



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 November	146	67	540	B9.2	11	0	0	2	0	0	0	0
07 November	145	74	380	B7.1	6	0	0	2	1	0	0	0
08 November	146	92	490	B7.8	8	0	0	12	0	0	0	0
09 November	139	93	480	B6.9	2	0	0	2	0	0	0	0
10 November	144	93	500	B7.6	2	0	0	1	0	0	0	0
11 November	142	85	510	B7.4	14	1	0	12	0	0	0	0
12 November	137	78	710	B8.4	3	0	0	4	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 November	7.4e+05	1.7e+04	1.6e+06
07 November	9.8e+05	1.7e+04	4.6e+07	
08 November	1.4e+06	1.7e+04	4.8e+07	
09 November	6.3e+05	3.7e+04	9.9e+07	
10 November	7.7e+06	8.2e+04	1.6e+08	
11 November	2.8e+06	2.2e+04	2.3e+08	
12 November	5.2e+06	1.8e+04	1.3e+08	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	06 November	27	3-4-3-4-2-5-5-4	51	3-5-6-7-3-5-5-3	40
07 November	11	3-3-2-2-3-3-2-2	25	4-4-2-4-4-5-4-2	18	5-4-2-2-3-3-3-3
08 November	15	2-4-3-3-2-3-3-3	21	3-3-2-6-3-3-3-2	16	3-4-3-3-1-2-4-3
09 November	8	2-1-3-2-2-2-2-2	16	2-3-3-5-3-2-3-2	12	3-2-3-3-2-2-3-3
10 November	7	1-3-2-2-2-2-1-1	13	3-3-4-3-4-2-0-0	10	2-4-3-2-2-2-1-2
11 November	4	1-1-1-0-2-2-1-1	3	1-1-2-2-1-0-1-0	5	2-1-2-1-1-1-1-1
12 November	10	0-1-4-3-2-2-1-3	16	0-1-5-5-3-2-1-2	3	1-1-4-3-2-2-1-3



Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
06 Nov 0353	ALERT: Geomagnetic K = 5	06/0342
06 Nov 0559	ALERT: Geomagnetic K = 6	06/0559
06 Nov 0835	ALERT: Geomagnetic K = 5	06/0833
06 Nov 1128	EXTENDED WARNING: Geomagnetic K = 4	05/0845 - 06/2359
06 Nov 1128	EXTENDED WARNING: Geomagnetic K = 5	05/0845 - 06/2100
06 Nov 1759	ALERT: Geomagnetic K = 5	06/1759
06 Nov 1858	EXTENDED WARNING: Geomagnetic K = 4	05/0845 - 07/0900
06 Nov 1858	EXTENDED WARNING: Geomagnetic K = 5	05/0845 - 07/0300
06 Nov 1858	WATCH: Geomagnetic Storm Category G1 predicted	
06 Nov 1959	ALERT: Geomagnetic K = 5	06/1958
06 Nov 2024	WATCH: Geomagnetic Storm Category G2 predicted	
06 Nov 2024	EXTENDED WARNING: Geomagnetic K = 5	05/0845 - 07/0900
06 Nov 2024	EXTENDED WARNING: Geomagnetic K = 4	05/0845 - 07/1200
06 Nov 2024	WARNING: Geomagnetic K = 6	06/2020 - 07/0300
07 Nov 0230	ALERT: Geomagnetic K = 5	07/0226
07 Nov 1624	ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1600
07 Nov 1639	CANCELLATION: Geomagnetic Storm Category G2 predicted	
08 Nov 0359	WARNING: Geomagnetic K = 4	08/0359 - 1200
08 Nov 0424	ALERT: Geomagnetic K = 4	08/0422
08 Nov 1155	EXTENDED WARNING: Geomagnetic K = 4	08/0359 - 1800
08 Nov 1352	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1600
08 Nov 1929	WARNING: Geomagnetic K = 4	08/1927 - 09/0300
08 Nov 1935	ALERT: Geomagnetic K = 4	08/1935
08 Nov 1947	WARNING: Geomagnetic K = 5	08/1945 - 2359
09 Nov 0626	WARNING: Geomagnetic K = 4	09/0626 - 1200
09 Nov 1131	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1600
09 Nov 2132	WATCH: Geomagnetic Storm Category G2 predicted	

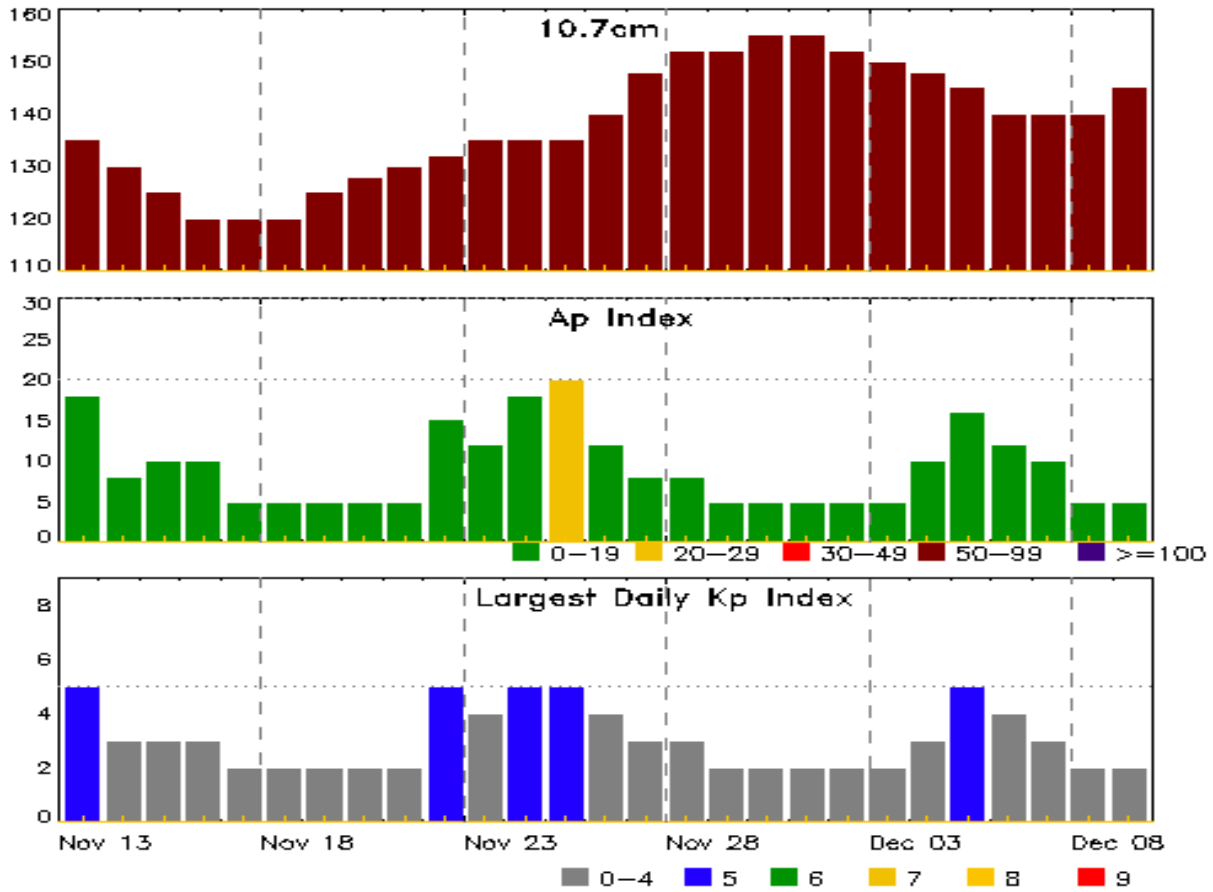


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
10 Nov 0408	WARNING: Geomagnetic K = 4	10/0408 - 1500
10 Nov 0600	ALERT: Geomagnetic K = 4	10/0559
10 Nov 0741	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1600
11 Nov 0647	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1600
12 Nov 0500	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1600
12 Nov 0814	WARNING: Geomagnetic K = 4	12/0815 - 2359
12 Nov 0820	ALERT: Geomagnetic K = 4	12/0820
12 Nov 2338	EXTENDED WARNING: Geomagnetic K = 4	12/0815 - 13/1200



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
13 Nov	135	18	5	27 Nov	148	8	3
14	130	8	3	28	152	8	3
15	125	10	3	29	152	5	2
16	120	10	3	30	155	5	2
17	120	5	2	01 Dec	155	5	2
18	120	5	2	02	152	5	2
19	125	5	2	03	150	5	2
20	128	5	2	04	148	10	3
21	130	5	2	05	145	16	5
22	132	15	5	06	140	12	4
23	135	12	4	07	140	10	3
24	135	18	5	08	140	5	2
25	135	20	5	09	145	5	2
26	140	12	4				



Energetic Events

Date	Time			X-ray	Optical Information			Peak		Sweep Freq		
	Begin	Max	Half Max	Class	Integ Flux	Imp/ Brtns	Location Lat CMD	Rgn #	Radio Flux		Intensity	
									245	2695	II	IV
11 Nov	1701	1729	1745	M1.2	0.020	SF	S18W58		3477			

Flare List

Date	Time			X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
	Begin	Max	End				
06 Nov	0021	0028	0039	C2.5			3472
06 Nov	0103	0112	0120	C4.7			3472
06 Nov	0209	0217	0241	C1.7			3472
06 Nov	0253	0300	0308	C2.1			3474
06 Nov	0322	0330	0338	C9.3			3472
06 Nov	0508	0512	0517	C1.5			3480
06 Nov	0547	0602	0609	C3.5			3472
06 Nov	0704	0714	0723	C1.5			3472
06 Nov	0723	0730	0738	C2.6			3472
06 Nov	0746	0751	0756	C2.9	SF	S08E41	3480
06 Nov	1347	1402	1408	C3.6	SF	S16W81	3474
07 Nov	0538	0552	0613	C1.9			3480
07 Nov	1301	1312	1315	C1.1			3483
07 Nov	B1340	U1341	A1347		SF	N21W51	3479
07 Nov	1545	1554	1635	C1.6	1F	N21W51	3479
07 Nov	1608	1613	1617	C2.0			3479
07 Nov	2255	2301	2310	C2.9	SF	N09E03	3483
07 Nov	2349	2356	0001	C1.7			3483
08 Nov	0042	0042	0046		SF	N22W56	3479
08 Nov	0050	0100	0106	C2.3			3483
08 Nov	0300	0309	0315	C4.7	SF	N09E03	3483
08 Nov	0352	0352	0356		SF	N09E03	3483
08 Nov	0458	0508	0518	C1.9	SF	N08E03	3483
08 Nov	0609	0617	0628	C1.5			3483
08 Nov	0839	0848	0856	C6.8	SF	N08W00	3483
08 Nov	B1411	U1412	A1415		SF	N09W06	3483
08 Nov	B1429	U1447	A1453		SF	N09W06	3483
08 Nov	B1430	U1432	A1453		SF	N19W65	3479
08 Nov	1439	1447	1452	C1.2			3483
08 Nov	B1523	1529	1534		SF	N19W66	3479



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
08 Nov	1603	1603	1616		SF	N19W66	3479
08 Nov	1708	1710	1713		SF	N19W67	3479
08 Nov	2005	2013	2019	C4.2	SF	N09W08	3483
08 Nov	2019	2029	2035	C3.4			3483
09 Nov	1041	1050	1053	C1.2			3481
09 Nov	1053	1118	1201	C2.6			3480
09 Nov	1113	1121	1130		SF	S16W19	3484
09 Nov	1115	1115	1136		SF	S11W05	3480
10 Nov	1202	1214	1236	C3.2	SF	S17W41	3477
10 Nov	1555	1604	1608	C3.4			3477
11 Nov	0020	0024	0028	C2.2			3483
11 Nov	0252	0302	0312	C2.0			3477
11 Nov	0327	0332	0336	C2.4			3477
11 Nov	0351	0359	0403	C7.1	SF	N10W35	3483
11 Nov	0559	0608	0614	C3.6			3483
11 Nov	0616	0625	0631		SF	N08W40	3483
11 Nov	0646	0651	0654		SF	N09W41	3483
11 Nov	0703	0704	0708		SF	N08W44	3483
11 Nov	0728	0735	0751	C2.5	SF	N08W39	3483
11 Nov	0758	0804	0806		SF	N08W43	3483
11 Nov	0826	0834	0844	C3.8	SF	S15W54	3477
11 Nov	0910	0916	0920	C6.5			3483
11 Nov	1224	1236	1253	C2.8			3484
11 Nov	1604	1610	1626	C1.5			3477
11 Nov	1636	1647	1700	C1.8	SF	S19W56	3477
11 Nov	1701	1729	1745	M1.2	SF	S18W58	3477
11 Nov	1804	1804	1813		SF	N09W49	3483
11 Nov	1819	1830	1838	C7.9			3477
11 Nov	2004	2016	2034	C2.4			3477
11 Nov	2251	2303	2313		SF	N11W52	3483
11 Nov	2329	2329	2333		SF	N11W52	3483
11 Nov	2350	0005	0018	C1.7			3485
12 Nov	0427	0441	0448	C8.4			3484
12 Nov	0437	0440	0454		SF	S15W61	3477
12 Nov	0440	0440	0444		SF	S10W44	3480
12 Nov	0440	0440	0443		SF	S15W52	3484
12 Nov	0444	0445	0448		SF	S14W52	3484
12 Nov	0930	0950	1005	C2.4			3484



Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical		Rgn #
	Begin	Max	End			Location Lat CMD		
12 Nov	1455	1502	1506	C1.6				3486



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 3473																							
26 Oct	N13E62	315	10	3	Bxo	1	B	3															
27 Oct	N16E57	303	10	2	Bxo	4	B	1															
28 Oct	N16E44	307	30	3	Cro	5	B	2				2											
29 Oct	N16E32	306	30	4	Cao	5	B																
30 Oct	N16E20	305	50	7	Dso	9	BG																
31 Oct	N16E09	302	30	7	Dro	12	B	2															
01 Nov	N16W03	301	20	6	Bxo	7	B																
02 Nov	N16W18	303	10	1	Axx	1	A	1				1											
03 Nov	N17W31	303	10	1	Axx	1	A	1															
04 Nov	N17W45	304	plage					1				1											
05 Nov	N17W59	304	plage																				
06 Nov	N17W73	305	plage																				
07 Nov	N17W87	306	plage																				
								11	0	0	3	1	0	0	0	0							

Crossed West Limb.

Absolute heliographic longitude: 301

Region 3474																							
27 Oct	S17E37	323	10	1	Bxo	3	B																
28 Oct	S17E25	326	10	4	Bxo	5	B					1											
29 Oct	S17E12	326	20	7	Dai	8	BG	8				5											
30 Oct	S18W02	327	130	7	Dai	15	BG	2				3											
31 Oct	S18W15	326	460	8	Dki	30	BG	3				1											
01 Nov	S18W29	327	430	8	Dki	23	BG					2											
02 Nov	S18W42	327	400	9	Dkc	20	BG	3	1			4											
03 Nov	S18W57	329	330	10	Dho	16	BG																
04 Nov	S18W68	326	240	9	Dso	5	B					1											
05 Nov	S18W82	327	200	7	Cso	2	B																
								16	1	0	17	0	0	0	0	0							

Crossed West Limb.

Absolute heliographic longitude: 327



Region Summary - continued

Date	Location		Sunspot Characteristics				Flares								
	Lat	CMD	Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical			
			Lon	10 ⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3
Region 3476															
31 Oct	S15E09	302	30	3	Cro	3	B								
01 Nov	S15W04	302	30	4	Cro	3	B								
02 Nov	S15W19	304	10	3	Bxo	2	B								
03 Nov	S15W33	305	plage												
04 Nov	S15W47	306	plage												
05 Nov	S15W61	306	plage												
06 Nov	S15W75	307	plage												
07 Nov	S15W89	308	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
 Absolute heliographic longitude: 302

Region 3477															
31 Oct	S12E80	231	120	2	Hsx	1	A	1							
01 Nov	S15E66	232	160	3	Hsx	1	A								
02 Nov	S15E53	232	300	9	Cko	4	B								
03 Nov	S15E42	230	310	9	Cko	5	B								
04 Nov	S15E30	228	350	11	Cko	4	B								
05 Nov	S15E18	227	350	11	Cko	8	B					1			
06 Nov	S14E04	230	250	5	Cko	7	B								
07 Nov	S15W11	230	260	8	Cko	8	B								
08 Nov	S15W25	230	240	7	Cao	6	B								
09 Nov	S15W39	231	230	6	Dac	7	B								
10 Nov	S15W53	233	240	6	Dao	8	B	2				1			
11 Nov	S15W67	233	200	4	Cao	5	B	7	1			3			
12 Nov	S15W81	234	160	5	Cao	2	B					1			
								10	1	0	6	0	0	0	0

Still on Disk.
 Absolute heliographic longitude: 230



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 3478																							
01 Nov	N12E71	227	10	1	Hrx	1	A																
02 Nov	N12E57	228	20	2	Hrx	1	A																
03 Nov	N12E43	229	10	1	Axx	1	A																
04 Nov	N12E30	228	10	1	Axx	1	A																
05 Nov	N12E17	228	10	1	Axx	1	A																
06 Nov	N12E03	228	plage																				
07 Nov	N12W11	230	plage																				
08 Nov	N12W25	231	plage																				
09 Nov	N12W39	232	plage																				
10 Nov	N12W53	233	plage																				
11 Nov	N12W67	233	plage																				
12 Nov	N12W81	234	plage																				
												0	0	0	0	0	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 228

Region 3479																							
02 Nov	N22E08	277	20	4	Cao	4	B																
03 Nov	N21W05	277	10	1	Axx	1	A																
04 Nov	N22W14	272	20	2	Cro	4	B																
05 Nov	N22W28	273	10	3	Bxo	3	B																
06 Nov	N22W44	275	10		Axx	1	A																
07 Nov	N23W58	277	30	3	Cao	5	B	2				1	1										
08 Nov	N22W72	278	80	4	Cao	4	B					5											
09 Nov	N22W80	276	60	5	Cao	4	B																
												2	0	0	6	1	0	0	0	0	0		

Crossed West Limb.

Absolute heliographic longitude: 277



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 3480																							
01 Nov	S11E93	208	plage							4	2												
02 Nov	S11E78	208	plage							3	1												
03 Nov	S11E64	208	150	7	Dac	7	B			2													
04 Nov	S09E54	204	180	7	Dai	7	B																
05 Nov	S09E40	205	180	9	Dai	6	B	4	2			1	1										
06 Nov	S08E27	204	80	7	Dao	6	BG	2				1											
07 Nov	S08E13	206	50	8	Cao	5	B	1															
08 Nov	S08W00	205	50	6	Cao	6	B																
09 Nov	S08W14	207	30	2	Cro	2	B	1				1											
10 Nov	S09W26	206	20	3	Bxo	3	B																
11 Nov	S19W42	207	plage																				
12 Nov	S19W56	209	plage									1											
													17	5	0	4	1	0	0	0			

Still on Disk.

Absolute heliographic longitude: 205

Region 3481

04 Nov	N20E48	210	10	1	Axx	1	A																
05 Nov	N20E34	211	plage																				
06 Nov	N20E20	212	plage																				
07 Nov	N20E06	213	plage																				
08 Nov	N25W08	214	plage																				
09 Nov	N25W19	211	30	3	Bxo	3	B	1															
10 Nov	N25W37	217	10	1	Axx	1	A																
11 Nov	N25W50	216	10	1	Axx	1	A																
12 Nov	N25W64	217	plage																				
													1	0	0	0	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 213



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	4			
Region 3482																		
05 Nov	N02E68	177	30	1	Hrx	1	A											
06 Nov	N03E54	177	0		Axx	1	A											
07 Nov	N04E40	179	10	1	Hrx	1	A											
08 Nov	N03E28	177	10		Axx	1	A											
09 Nov	N04E16	177	10	1	Axx	1	A											
10 Nov	N04E01	179	plage															
11 Nov	N04W14	180	plage															
12 Nov	N04W29	182	plage															
								0	0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 179

Region 3483																		
07 Nov	N10E02	217	30	3	Cro	5	B	3			1							
08 Nov	N09W09	214	100	6	Dsi	13	BG	8			7							
09 Nov	N09W23	216	120	11	Eai	16	B											
10 Nov	N10W38	218	180	9	Dai	12	B											
11 Nov	N09W52	218	240	9	Dai	16	BG	5			9							
12 Nov	N09W65	218	290	9	Dki	8	BG											
								16	0	0	17	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 217

Region 3484																		
08 Nov	S18W16	221	10	2	Axx	2	A											
09 Nov	S19W19	218	plage								1							
10 Nov	S14W34	214	30	4	Bxo	6	B											
11 Nov	S14W49	215	40	7	Bxi	8	B	1										
12 Nov	S15W62	215	80	6	Cai	8	B	2			2							
								3	0	0	3	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 221

Region 3485																		
10 Nov	S19W25	205	20	3	Bxo	3	B											
11 Nov	S19W39	205	20	6	Bxo	5	B	1										
12 Nov	S19W52	205	80	7	Dai	6	B											
								1	0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 205



Region Summary - continued

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

Region 3486

12 Nov	S09W08	161	100	5	Dao	4	B	1	1	0	0	0	0	0	0	0	0
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Still on Disk.

Absolute heliographic longitude: 161



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

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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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