Space Weather Highlights **SWPC PRF 2619**
03 November - 09 November 2025 **10 November 2025**

Solar activity ranged from low to high levels. Region 4274 (N25, L=275, class/area=Ekc/900 on 09 Nov) was the largest and most complex, and responsible for the majority of major events during the past week. On 03 Nov, high levels were observed due to five M-class (R1-R2/Minor-Moderate) flares that were produced by Region 4274. Two flares had associated CMEs that were identified as containing potentially Earth-directed components, an M1.6 (R1) at 03/0925 UTC and an M5.0 (R2)at 03/1011 UTC. Arrival of the CMEs at Earth were estimated over 06-07 Nov. High activity levels continued on 04 Nov, with the high flare being an X1.8/1b (R3-Strong) flare at 04/1751 UTC from Region 4274. Associated with the flare was a Tenflare and Type IV radio sweep. Region 4276 (S17, L=240, class/area=Dai/180 on 07 Nov) also produced an X-class flare (R3) with an X1.1 flare at 04/2201 UTC with an associated Type IV radio sweep and CME. Analysis of the ejecta from these events suggested potential to affect Earth over 06-07 Nov. High solar activity was again observed on 05 Nov following an M 7.4/2N (R2) flare at 05/1119 UTC and an M8.6/2B (R2) flare at 05/2207 UTC from Region 4274. Tenflares and CMEs were associated with both events. Arrival at Earth was estimated over 07-08 Nov. Moderate levels were observed on 06-07 Nov due to an M1.1 (R1) flare at 06/0431 UTC from Region 4276 and an M1.7/1n (R1) at 07/0716 UTC flare from Region 4274. Associated with the M1.7 was a Type II (est 1,169 km/s) and Type IV radio sweep alongside a CME that was likely to propogate off of the Sun-Earth line. Low solar activity was observed on 08 Nov. Finally, on 09 Nov, Region 4274 produced an X1.7 (R3) flare at 09/0735 UTC. A complicated CME signature was observed in subsequent coronagraph imagery. Analysis and modelling of the event suggested potential for arrival at Earth over 11-12 Nov.

No proton events were observed at geosynchronous orbit between 03-09 Nov.

The greater than 2 MeV electron flux at geosynchronous orbit was at high levels on 03-05 Nov and at moderate levels on 06-09 Nov. The maximum flux of the greater than 2 MeV electrons measured by GOES-19 satellite during the week was 2,440 pfu at 04/1805 UTC.

Geomagnetic field activity was between quiet to G3 (Strong) geomagnetic storm levels. Active conditions on 03 Nov were observed due to weak influence from a CME that left the Sun on 31 Oct. Unsettled conditions were observed on 04 Oct due to positive polarity coronal hole influence. G2 (Moderate) geomagnetic storm conditions late on 05 Nov and G3 (Strong) geomagnetic storm conditions early on 06 Nov resulted from the onset of a CME that left the Sun on 03 Nov. G1 (Minor) storm levels were observed late on 06 Nov and in to 07 Nov as more CMEs that left the Sun over 03-04 Nov passed by Earth. G2 conditions were again observed on 08 Nov due to the passage of a CME that left the Sun on 04 Nov. Only quiet to unsettled condtions were observed on 09 Nov.

Space Weather Outlook
10 November - 06 December 2025

Solar activity is likely to be at moderate levels (R1-Minor), with a chance for high (R2-R3/Moderate-Strong), over 10-18 Nov, primarily due to the flare potential from Regions 4274 and 4276. The remainder of the outlook period is likely to be at low levels, with a chance for moderate activity.

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 over 10-13 Nov following a combination of CME and coronal hole influence. High levels are again likely on 27 Nov-02 Dec due to influence from a recurrent, positive polarity CH HSS. The remainder of the outlook period is likely to be at normal to moderate levels.

Geomagnetic field activity is expected to range from quiet to G2 (Moderate) geomagnetic storm levels. G1 (Minor) conditions are likely on 11 Nov due to anticipated influence from both a negative polarity coronal hole and a CME that left the Sun 07 Nov. G2 conditions are likely on 11-12 Nov due to anticipated influence from CMEs that left the Sun on 09 Nov. Unsettled conditions are likely over 13 Nov as CME influence wanes. Recurrent coronal hole influence is likely to cause G1 conditions over 25-27 Nov and 02-04 Dec; active condition on 20 Nov, 24 Nov, 29-30 Nov, and 05 Dec; unsettled conditions on 16 Nov, 21 Nov, 28 Nov, 01 Dec, and 06 Dec. The remainder of the outlook period is likely to be at mostly quiet levels.

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
03 November	133	87	730	C1.1	8	5	0	3	0	0	0	0
04 November	159	91	710	C1.2	9	2	2	6	3	0	0	0
05 November	147	76	730	C1.4	13	2	0	10	2	2	0	0
06 November	163	104	980	C1.2	22	1	0	9	0	0	0	0
07 November	166	133	1240	C1.3	20	1	0	19	1	0	0	0
08 November	172	107	1350	C1.2	15	0	0	6	0	0	0	0
09 November	176	126	1390	C1.1	11	0	1	5	1	1	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
03 November	1.4e+06	2.1e+04	1.6e+08
04 November	4.8e+05	2.3e+04	1.0e+08
05 November	4.5e+06	3.7e+04	4.1e+07
06 November	4.0e+06	2.0e+04	9.5e+06
07 November	1.2e+07	1.6e+04	1.3e+07
08 November	7.0e+06	1.4e+04	3.2e+07
09 November	1.7e+07	1.5e+04	3.8e+07

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
03 November	18	2-3-5-4-3-2-2-3	48	2-3-7-6-5-5-4-3	20	3-3-4-4-4-3-3-3
04 November	9	2-3-2-3-2-2-2-2	16	3-2-3-5-4-2-2-0	10	3-3-2-3-2-2-2-2
05 November	19	3-2-4-2-3-1-4-5	35	3-4-6-4-4-4-4-5	28	4-3-4-2-2-2-5-6
06 November	31	5-6-4-3-2-2-3-5	40	4-6-5-5-3-4-5-4	43	5-7-6-3-2-3-4-5
07 November	20	4-4-4-4-3-2-3-3	35	4-5-4-5-5-5-3-3	32	5-5-5-4-3-3-3-4
08 November	25	5-5-5-4-3-2-2-1	49	4-5-7-4-6-5-3-2	36	6-5-5-4-3-3-3-2
09 November	7	1-1-2-2-2-2-1-3	7	3-2-3-2-1-0-1-1	7	2-2-2-2-2-1-1-3

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
03 Nov 0459	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	31/1250
03 Nov 0805	EXTENDED WARNING: Geomagnetic K = 4	02/1711 - 03/1500
03 Nov 0846	WARNING: Geomagnetic K = 5	03/0845 - 1500
03 Nov 1014	ALERT: X-ray Flux exceeded M5	03/1013
03 Nov 1043	SUMMARY: X-ray Event exceeded M5	03/0938 - 1037
03 Nov 1455	EXTENDED WARNING: Geomagnetic K = 4	02/1711 - 04/0300
03 Nov 1622	ALERT: Type IV Radio Emission	03/1236
03 Nov 2125	WATCH: Geomagnetic Storm Category G1 predicted	
04 Nov 0255	EXTENDED WARNING: Geomagnetic K = 4	02/1711 - 04/0900
04 Nov 0551	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	31/1250
04 Nov 1727	ALERT: X-ray Flux exceeded M5	04/1725
04 Nov 1744	ALERT: Type IV Radio Emission	04/1729
04 Nov 1755	SUMMARY: X-ray Event exceeded X1	04/1725 - 1751
04 Nov 1757	SUMMARY: 10cm Radio Burst	04/1724 - 1727
04 Nov 2140	WATCH: Geomagnetic Storm Category G1 predicted	
04 Nov 2200	ALERT: X-ray Flux exceeded M5	04/2157
04 Nov 2221	SUMMARY: X-ray Event exceeded X1	04/2145 - 2211
04 Nov 2231	ALERT: Type IV Radio Emission	04/1729
05 Nov 0137	WARNING: Geomagnetic K = 4	05/0137 - 0900
05 Nov 0142	ALERT: Geomagnetic K = 4	
05 Nov 0854	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 1800
05 Nov 1109	ALERT: X-ray Flux exceeded M5	05/1106
05 Nov 1149	SUMMARY: X-ray Event exceeded M5	05/1036 - 1143
05 Nov 1201	SUMMARY: 10cm Radio Burst	05/1047 - 1132
05 Nov 1453	ALERT: Electron 2MeV Integral Flux >= 1000pfu	05/1445
05 Nov 1756	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 06/0000
05 Nov 1807	WATCH: Geomagnetic Storm Category G3 predicted	
05 Nov 1940	ALERT: Geomagnetic K = 4	

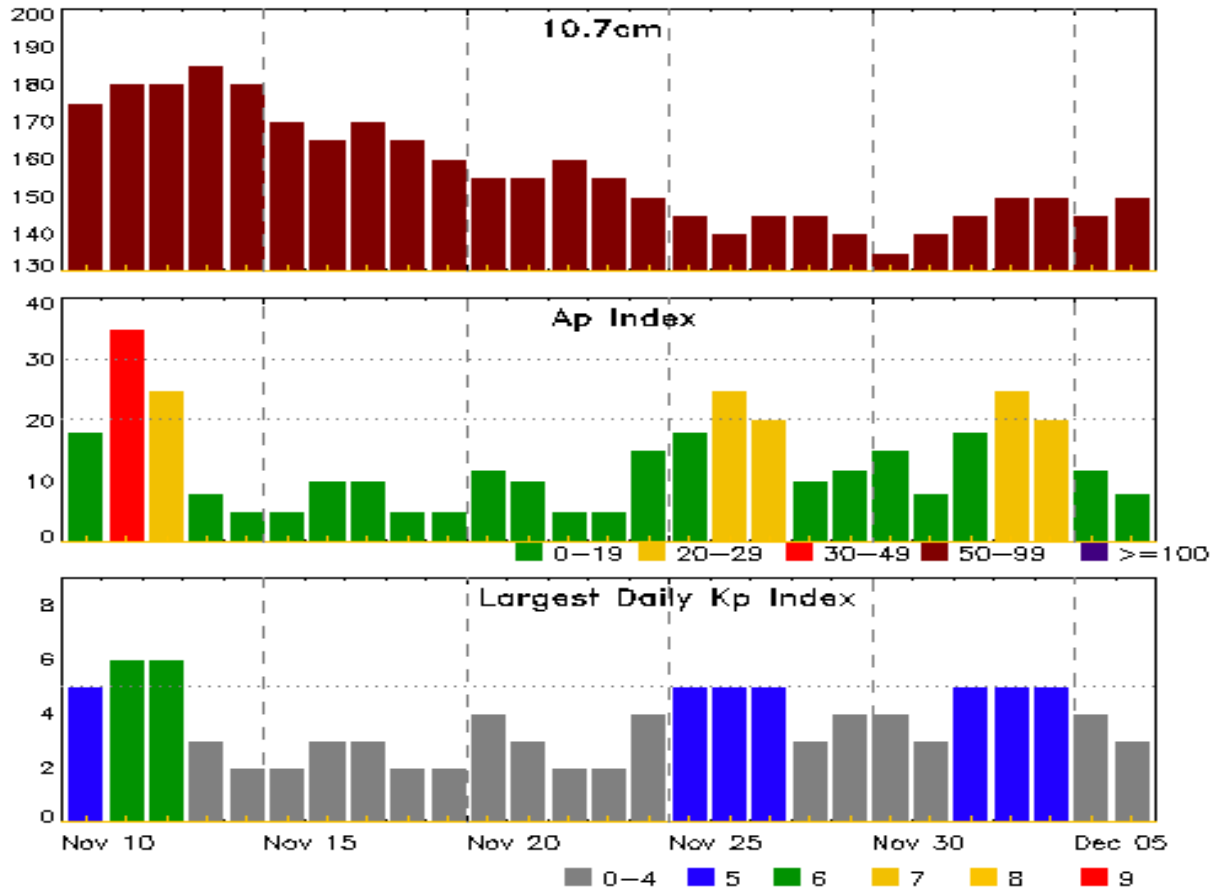
Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
05 Nov 1950	WARNING: Geomagnetic K = 5	05/1950 - 06/0900
05 Nov 2016	ALERT: Geomagnetic K = 5	
05 Nov 2205	ALERT: X-ray Flux exceeded M5	05/1103
05 Nov 2216	ALERT: Type II Radio Emission	05/2159
05 Nov 2221	SUMMARY: 10cm Radio Burst	05/2201 - 2206
05 Nov 2221	ALERT: Geomagnetic K = 5	
05 Nov 2224	SUMMARY: X-ray Event exceeded M5	05/2152 - 2216
05 Nov 2229	WARNING: Geomagnetic K = 6	05/2200 - 06/0900
05 Nov 2237	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 07/0000
05 Nov 2253	ALERT: Geomagnetic K = 6	
06 Nov 0124	ALERT: Geomagnetic K = 5	
06 Nov 0146	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 06/1800
06 Nov 0147	EXTENDED WARNING: Geomagnetic K = 5	05/1950 - 06/1500
06 Nov 0336	ALERT: Geomagnetic K = 5	
06 Nov 0351	ALERT: Geomagnetic K = 6	
06 Nov 0408	WARNING: Geomagnetic K>= 7	06/0408 - 1200
06 Nov 0410	EXTENDED WARNING: Geomagnetic K = 6	05/2200 - 06/1500
06 Nov 0536	ALERT: Geomagnetic K = 7	
06 Nov 0637	ALERT: Geomagnetic K = 5	
06 Nov 0810	ALERT: Geomagnetic K = 6	
06 Nov 1737	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 07/0300
06 Nov 2031	WATCH: Geomagnetic Storm Category G3 predicted	
06 Nov 2350	WARNING: Geomagnetic K = 5	06/2347 - 07/1500
07 Nov 0000	ALERT: Geomagnetic K = 5	
07 Nov 0226	ALERT: Geomagnetic K = 5	
07 Nov 0256	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 08/0300
07 Nov 0454	ALERT: Geomagnetic K = 5	
07 Nov 0456	WARNING: Geomagnetic K = 6	07/0457 - 1500
07 Nov 0504	WARNING: Geomagnetic Sudden Impulse expected	07/0505 - 0545

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
07 Nov 0536	SUMMARY: Geomagnetic Sudden Impulse	07/0517
07 Nov 0725	ALERT: Geomagnetic K = 5	
07 Nov 0806	ALERT: Type II Radio Emission	07/0737
07 Nov 0831	ALERT: Type IV Radio Emission	07/0732
07 Nov 1358	EXTENDED WARNING: Geomagnetic K = 5	06/2347 - 07/2359
07 Nov 1930	WATCH: Geomagnetic Storm Category G2 predicted	
08 Nov 0127	WARNING: Geomagnetic K = 5	08/0130 - 2100
08 Nov 0128	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 08/2359
08 Nov 0138	ALERT: Geomagnetic K = 5	
08 Nov 0158	WARNING: Geomagnetic K = 6	08/0158 - 1800
08 Nov 0202	ALERT: Geomagnetic K = 6	
08 Nov 0404	ALERT: Geomagnetic K = 5	
08 Nov 0612	ALERT: Type IV Radio Emission	08/0448
08 Nov 0751	ALERT: Geomagnetic K = 5	
08 Nov 2354	EXTENDED WARNING: Geomagnetic K = 4	05/0137 - 09/0900
09 Nov 0722	ALERT: X-ray Flux exceeded M5	09/0719
09 Nov 0744	ALERT: Type IV Radio Emission	09/0719
09 Nov 0751	ALERT: Type II Radio Emission	09/0712
09 Nov 0804	SUMMARY: X-ray Event exceeded X1	09/0701 - 0755
09 Nov 0823	SUMMARY: 10cm Radio Burst	09/0710 - 0735
09 Nov 1821	WATCH: Geomagnetic Storm Category G2 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
10 Nov	175	18	5	24 Nov	150	15	4
11	180	35	6	25	145	18	5
12	180	25	6	26	140	25	5
13	185	8	3	27	145	20	5
14	180	5	2	28	145	10	3
15	170	5	2	29	140	12	4
16	165	10	3	30	135	15	4
17	170	10	3	01 Dec	140	8	3
18	165	5	2	02	145	18	5
19	160	5	2	03	150	25	5
20	155	12	4	04	150	20	5
21	155	10	3	05	145	12	4
22	160	5	2	06	150	8	3
23	155	5	2				

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
03 Nov	0841	0925	0938	M1.6	0.041			4274	600			
03 Nov	0938	1011	1037	M5.0	0.130			4274	2900	2200		
03 Nov	1219	1235	1237	M2.9	0.029			4274	440			1
03 Nov	1237	1247	1251	M3.3	0.030			4274				
03 Nov	1704	1708	1710	M1.5	0.004	SF	N26E69	4274				
04 Nov	0131	0148	0204	M3.5	0.050			4274	190	100		
04 Nov	1715	1734	1751	X1.8	0.230	1B	N26E63	4274	1600	160		1
04 Nov	2145	2201	2211	X1.1	0.090			4276	100			1
04 Nov	2233	2244	2256	M1.7	0.022	1F	N22E36	4272	390			
05 Nov	1036	1119	1143	M7.4	0.170	2N	N22E51	4274	1400	760		
05 Nov	2152	2207	2216	M8.6	0.062	2B	N28E40	4274	310	180	3	
06 Nov	0417	0431	0439	M1.1	0.010			4276				
07 Nov	0631	0716	0753	M1.7	0.054	1N	N23E28	4274				3
09 Nov	0701	0735	0755	X1.7	0.320			4274				2

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
03 Nov	0112	0112	0123		SF	N22E62	4272
03 Nov	0356	0430	0506	C7.1			4274
03 Nov	0643	0649	0651	C3.0			4272
03 Nov	0841	0925	0938	M1.6			4274
03 Nov	0938	1011	1037	M5.0			4274
03 Nov	1219	1235	1237	M2.9			4274
03 Nov	1237	1247	1251	M3.3			4274
03 Nov	1557	1602	1605	C1.5			4274
03 Nov	1652	1659	1703	C1.8			4274
03 Nov	1704	1708	1710	M1.5	SF	N26E69	4274
03 Nov	2103	2112	2119	C2.1			4274
03 Nov	2143	2151	2200	C2.0			4274
03 Nov	2212	2228	2237	C4.5	SF	N24E65	4274
03 Nov	2337	0008	0033	C8.7			4272
04 Nov	0131	0148	0204	M3.5			4274
04 Nov	0525	0528	0532	C3.4			4274
04 Nov	0611	0619	0639	C2.1			

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
04 Nov	0754	0754	0756		SF	N24E64	4274
04 Nov	0854	0902	0905	C2.6			4275
04 Nov	0859	0901	0906		SF	N25E61	4274
04 Nov	0929	0930	0933		SF	N23E63	4274
04 Nov	1002	1013	1017	C4.6			
04 Nov	1109	1114	1128	C1.9	SF	S12E08	4273
04 Nov	1141	1148	1151	C2.4	1F	N24E62	4274
04 Nov	1151	1201	1207	C2.9			4274
04 Nov	1236	1237	1242		SF	N27E64	4274
04 Nov	1416	1421	1427	C2.0			4274
04 Nov	1715	1734	1751	X1.8	1B	N26E63	4274
04 Nov	2009	2019	2026	C9.3			4274
04 Nov	2145	2201	2211	X1.1			4276
04 Nov	2229	2247	2338	M1.7	1F	N22E36	4272
04 Nov	2340	2342	2350		SF	N27E54	4274
05 Nov	0055	0058	0103	C4.3			4274
05 Nov	0147	0155	0201	C6.2	SF	N24E52	4274
05 Nov	0252	0301	0306	C8.0	SF	N24E53	4274
05 Nov	0453	0505	0511	C9.9	SF	N24E51	4274
05 Nov	0549	0551	0557	C2.9	SF	N27E50	4274
05 Nov	0628	0637	0640	C1.8			
05 Nov	0640	0644	0647	C2.1			
05 Nov	0716	0716	0720		SF	N24E47	4274
05 Nov	0731	0735	0738	C3.8	SF	N25E48	4274
05 Nov	0734	0749	0759	C4.9	1F	N25E48	4274
05 Nov	0916	0920	0923	C1.9			4275
05 Nov	0918	0928	0937	C3.2	SF	N05E57	4275
05 Nov	1021	1027	1032	C3.0	SF	S10W07	4273
05 Nov	1036	1119	1143	M7.4	2N	N22E51	4274
05 Nov	1423	1430	1437	C8.3	1F	N03E55	4275
05 Nov	1807	1807	1820		SF	N26E41	4274
05 Nov	2152	2207	2216	M8.6	2B	N28E40	4274
05 Nov	B2231	2232	2248		SF	N25E41	4274
06 Nov	0004	0015	0023	C3.8	SF	N25E41	4274
06 Nov	0252	0302	0313	C2.5			4275
06 Nov	0313	0317	0320	C3.1			4274
06 Nov	0343	0352	0359	C1.9			4276
06 Nov	0359	0406	0409	C2.3	SF	N07E49	4275

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
06 Nov	0417	0431	0439	M1.1			4276
06 Nov	0514	0520	0524	C3.0			4276
06 Nov	0624	0633	0643	C2.4	SF	N25E39	4274
06 Nov	0649	0656	0701	C5.3	SF	N25E39	4274
06 Nov	0721	0727	0735	C2.1	SF	S09W18	4273
06 Nov	0855	0901	0906	C3.8			4276
06 Nov	1112	1125	1131	C2.3			4274
06 Nov	1131	1139	1141	C2.1			4274
06 Nov	1257	1306	1310	C4.2			4274
06 Nov	1312	1317	1321	C4.5			4274
06 Nov	B1326	U1329	A1329		SF	S05E72	
06 Nov	1430	1436	1440	C1.6			4277
06 Nov	1514	1522	1526	C1.9			4277
06 Nov	1700	1706	1714	C1.6			4277
06 Nov	1810	1825	1839	C5.6	SF	N24E17	4272
06 Nov	1948	2002	2015	C9.3			4276
06 Nov	2202	2209	2216	C4.4	SF	S05E67	4277
06 Nov	2237	2245	2247	C2.0			4276
06 Nov	2247	2257	2300	C2.1			4276
06 Nov	2320	2321	2331		SF	N25E33	4274
07 Nov	0025	0031	0033	C1.7			4274
07 Nov	0122	0128	0135	C1.5	SF	N23E34	4274
07 Nov	0158	0158	0208		SF	N22E32	4274
07 Nov	0215	0227	0238	C2.2	SF	N22E32	4274
07 Nov	0252	0256	0300	C2.1			4274
07 Nov	0325	0331	0332		SF	N22E32	4274
07 Nov	0335	0335	0339		SF	S07E64	
07 Nov	0346	0410	0414	C3.6	SF	N22E32	4274
07 Nov	0448	0448	0455		SF	N23E30	4274
07 Nov	0503	0503	0516		SF	N23E30	4274
07 Nov	0523	0531	0533	C5.1	SF	N23E30	4274
07 Nov	0541	0543	0607		SF	N23E26	4274
07 Nov	0631	0716	0753	M1.7	1N	N23E28	4274
07 Nov	0753	0757	0820		SF	N23E25	4274
07 Nov	0919	0926	0932	C8.7	SF	N26E19	4274
07 Nov	B1056	U1056	A1100		SF	N23E20	4274
07 Nov	1246	1249	1251	C3.1			4274
07 Nov	1319	1329	1339	C4.5			4276

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
07 Nov	1455	1501	1506	C2.6			4274
07 Nov	1542	1551	1556	C6.9	SF	N25E14	4274
07 Nov	1650	1704	1709	C5.1	SF	N24E17	4274
07 Nov	1750	1754	1800	C2.4			4277
07 Nov	1806	1815	1819	C3.5			4277
07 Nov	1912	1919	1922	C1.8			4274
07 Nov	1931	1937	1949	C1.5			4274
07 Nov	1952	1956	1959	C2.7	SF	N25E15	4274
07 Nov	2026	2045	2107	C5.8	SF	S16E56	4276
07 Nov	2116	2116	2122		SF	N25E15	4274
07 Nov	2214	2223	2232	C2.5	SF	N23E13	4277
07 Nov	2304	2307	2311	C2.8			4274
08 Nov	0108	0128	0138	C4.8	SF	S07E52	4277
08 Nov	0229	0236	0253	C2.5	SF	N22E11	4274
08 Nov	0402	0408	0413	C1.8	SF	N24E08	4274
08 Nov	0507	0513	0517	C1.9			4277
08 Nov	0557	0602	0605	C2.0			4274
08 Nov	0605	0617	0632	C4.1			4276
08 Nov	0618	0618	0627		SF	N22E12	4274
08 Nov	0708	0714	0720	C3.7	SF	N26E11	4274
08 Nov	0746	0753	0802	C2.2			4274
08 Nov	1019	1026	1030	C2.3			4274
08 Nov	1255	1258	1301	C3.8			4274
08 Nov	1450	1500	1514	C2.0			4274
08 Nov	1916	1923	1927	C2.4			4277
08 Nov	2041	2046	2054	C1.7			4274
08 Nov	2124	2126	2204	C2.9	SF	N28W00	4274
08 Nov	2358	0003	0013	C1.7			4277
09 Nov	0133	0138	0142	C1.9			4274
09 Nov	0329	0335	0339	C1.9	1N	S17E35	4276
09 Nov	0357	0414	0430	C6.2	SF	N23W01	4276
09 Nov	0529	0547	0601	C4.2	SF	N23W03	4274
09 Nov	0621	0646	0649		SF	N23W03	4274
09 Nov	0654	0733	0843		2B	N23W03	4274
09 Nov	0701	0735	0755	X1.7			4274
09 Nov	1319	1326	1331	C1.9			4279
09 Nov	1503	1509	1512	C1.6	SF	N24W02	4274
09 Nov	1549	1556	1600	C1.4			4274

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
09 Nov	1600	1607	1613	C1.6			4274
09 Nov	1748	1807	1810	C3.4	SF	S16E29	4276
09 Nov	1810	1835	1848	C5.4			4276
09 Nov	2229	2236	2239	C1.7			4277

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 4267												
23 Oct	N01E67	59	80	2	Hsx	1	A	4							
24 Oct	N02E56	59	90	1	Hsx	1	A	4							
25 Oct	N01E45	57	140	3	Hsx	1	A	2			2				
26 Oct	N02E31	58	140	2	Hsx	1	A								
27 Oct	N02E16	60	110	2	Hsx	1	A								
28 Oct	N04E03	60	120	3	Cso	5	B	1							
29 Oct	N03W12	61	120	4	Cso	7	B								
30 Oct	N03W25	61	110	7	Cso	6	B								
31 Oct	N02W39	62	110	3	Cso	2	B								
01 Nov	N02W52	62	100	2	Cso	3	B	1			1				
02 Nov	N02W65	62	90	3	Cso	2	B	1			1				
03 Nov	N01W79	62	90	3	Hsx	1	A								
04 Nov	N01W91	61	40	1	Hsx	1	A								
								13	0	0	4	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 60

			Region 4269												
25 Oct	S11E41	59	20	2	Cro	4	B								
26 Oct	S12E27	62	30	6	Cro	7	B								
27 Oct	S11E14	62	30	4	Cro	6	B								
28 Oct	S11W00	63	20	4	Cao	3	B								
29 Oct	S11W15	64	20	2	Hrx	2	A								
30 Oct	S11W28	64	20	2	Hrx	2	A								
31 Oct	S13W41	64	10	1	Axx	1	A								
01 Nov	S12W55	65	plage												
02 Nov	S12W69	66	plage												
03 Nov	S12W83	67	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 63

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 4271													
30 Oct	S09E54	342	10	1	Axx	1	A								
31 Oct	S09E40	343	plage					1			1				
01 Nov	S09E26	344	plage												
02 Nov	S09E12	345	plage												
03 Nov	S09W02	346	plage												
04 Nov	S09W16	346	plage												
05 Nov	S09W30	347	plage												
06 Nov	S09W44	348	plage												
07 Nov	S09W58	349	plage												
08 Nov	S09W72	349	plage												
09 Nov	S09W86	350	plage												
								1	0	0	1	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 346

		Region 4272													
01 Nov	N22E76	293	50	3	Hax	1	A								
02 Nov	N22E63	294	70	3	Cso	2	B	1							
03 Nov	N23E48	295	90	3	Cso	4	B	2			1				
04 Nov	N22E36	294	70	3	Cso	2	B		1			1			
05 Nov	N22E23	294	60	2	Hsx	2	A								
06 Nov	N22E10	294	60	2	Hsx	2	A	1			1				
07 Nov	N22W02	293	40	2	Hsx	2	A								
08 Nov	N22W16	294	40	2	Hsx	1	A								
09 Nov	N22W28	292	40	2	Hsx	1	A								
								4	1	0	2	1	0	0	0

Still on Disk.
Absolute heliographic longitude: 293

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 4273												
02 Nov	S12E27	330	30	4	Dri	9	B								
03 Nov	S12E11	332	110	7	Dsi	18	BG								
04 Nov	S12W01	331	100	9	Dsi	12	BG	1			1				
05 Nov	S12W15	332	50	7	Dso	6	B	1			1				
06 Nov	S12W28	332	30	6	Cso	3	B	1			1				
07 Nov	S12W38	329	30	1	Hsx	1	A								
08 Nov	S14W50	327	plage												
09 Nov	S14W64	328	plage												
								3	0	0	3	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 331

			Region 4274												
02 Nov	N24E77	280	plage					2							
03 Nov	N24E63	280	260	11	Ekc	10	BG	6	5		2				
04 Nov	N24E53	277	300	11	Ekc	18	BGD	5	1	1	5	2			
05 Nov	N24E40	277	420	11	Ekc	20	BGD	7	2		8	1	2		
06 Nov	N24E26	278	670	12	Ekc	34	BGD	8			4				
07 Nov	N24E15	276	670	11	Ekc	34	BGD	15	1		17	1			
08 Nov	N24E02	276	850	12	Ekc	20	BGD	10			5				
09 Nov	N25W11	275	900	11	Ekc	25	BGD	5		1	3		1		
								58	9	2	44	4	3	0	0

Still on Disk.
Absolute heliographic longitude: 276

			Region 4275												
03 Nov	N07E75	268	180	6	Cao	4	BG								
04 Nov	N07E61	269	200	7	Dao	8	BG	1							
05 Nov	N06E47	270	200	6	Dai	8	BG	3			1	1			
06 Nov	N06E34	270	180	7	Cao	7	B	2			1				
07 Nov	N08E20	271	150	7	Cao	6	BG								
08 Nov	N07E06	272	150	7	Cso	6	B								
09 Nov	N07W09	273	120	5	Cso	3	B								
								6	0	0	2	1	0	0	0

Still on Disk.
Absolute heliographic longitude: 272

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 4276												
04 Nov	S17E96	237	plage							1					
06 Nov	S17E67	237	40	8	Dai	8	BG	6	1						
07 Nov	S17E51	240	180	10	Dai	7	BG	2			1				
08 Nov	S17E39	239	180	10	Dao	8	BG	1							
09 Nov	S17E28	236	140	10	Dao	10	BG	4			2	1			
								13	1	1	3	1	0	0	0

Still on Disk.
Absolute heliographic longitude: 236

			Region 4277												
06 Nov	S07E64	242	plage					4							
07 Nov	S07E49	242	120	2	Dao	8	B	3							
08 Nov	S06E38	240	120	8	Dai	10	B	4			1				
09 Nov	S06E25	239	150	8	Dsi	12	B	1							
								12	0	0	1	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 239

			Region 4278												
07 Nov	N11E44	247	50	1	Cao	5	B								
08 Nov	N11E31	247	10	2	Bxo	2	B								
09 Nov	N11E20	244	10	3	Bxo	4	B								
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 244

			Region 4279												
09 Nov	S12E57	207	30	1	Hsx	1	A	1							
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 207

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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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