

Solar activity reached high levels this period. Region 4299 (N21, L=268, class/area=Dai/220 on 07 Dec) produced an X1.9/1n flare at 01/0249 UTC; the strongest flare of the period. Other notable activity included an M8.1/2b flare at 06/2039 UTC, also from Region 4299, which produced an full-halo CME that is expected to arrive between late 08 Dec-midday 09 Dec. A CME, first visible in LASCO C2 imagery beginning at 04/0648 UTC off the SE, arrived at Earth late on 07 Dec.

The greater than 10 MeV proton flux became elevated above background levels late 06 Dec-late 07 Dec following the M8.1 flare at 06/2039 UTC from AR4299, but did not reach event levels.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal to moderate levels on 04 Dec, with high levels observed throughout the remainder of the period.

Geomagnetic field activity reached active levels on 01 Dec in response to positive polarity CH HSS influences. Quiet to unsettled levels were observed on 02 Dec as CH HSS influences subsided. Periods of G1-G3 (Minor-Moderate) geomagnetic storming were observed on 03 Dec, with G1 storm periods observed on 04 Dec, due to CIR and negative polarity CH HSS influences. Quiet and unsettled levels were observed on 05 Dec, with active conditions observed on 06 Dec, as negative polarity CH HSS influences waned. Active levels were observed again on 07 Dec in response to the passage of a CME from 04 Dec.

Space Weather Outlook **08 December - 03 January 2026**

M-class flares (R1-R2/Minor-Moderate) are likely, with a slight chance for X-class flares (R3/Strong or greater), through much of the outlook period.

There is a slight chance for the greater than 10 MeV proton flux to reach 10 pfu (S1-Minor) through much of the outlook period.

The greater than 2 MeV electron flux is expected to reach high levels on 08-09, 12-13, 16-17, 25-29 Dec, and 01-03 Jan. Normal to moderate levels are expected to prevail throughout the remainder of the outlook period.

Geomagnetic field activity is likely to reach G1 (Minor) storm levels on 08 and 10 Dec, with G2-G3 (Moderate-Strong) storming likely on 09 Dec, due to the anticipated arrival and passage of a CME that left the Sun on 06 Dec. Periods of G1 storming are likely on 21-23 Dec in response to negative polarity CH HSS influences, and again on 24-26 Dec under positive polarity CH HSS influences. Period of G2 (Moderate) storms are likely on 30 Dec, with G1 storming likely on 31 Dec, when negative polarity CH HSS influences are anticipated.



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
01 December	196	175	2500	C2.2	7	0	1	5	1	0	0	0
02 December	200	177	2535	C1.6	9	0	0	3	0	0	0	0
03 December	209	227	2475	C1.6	9	0	0	2	0	0	0	0
04 December	220	165	2420	C1.8	7	1	0	6	1	0	0	0
05 December	206	133	2100	C1.6	13	0	0	12	0	0	0	0
06 December	200	129	1940	C1.2	10	2	0	7	2	1	0	0
07 December	194	133	1870	C1.7	18	1	0	14	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	
01 December	1.7e+06	1.8e+04	4.1e+08	
02 December	1.2e+06	1.7e+04	3.4e+08	
03 December	4.2e+06	1.6e+04	1.2e+08	
04 December	3.2e+06	1.7e+04	1.4e+07	
05 December	1.7e+06	1.6e+04	4.0e+07	
06 December	7.4e+06	1.6e+04	7.4e+07	
07 December	9.3e+06	4.4e+04	6.3e+07	

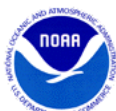
Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
01 December	9	4-0-1-2-2-3-2-1	12	2-1-2-4-4-3-2-1	10	4-1-2-2-2-3-2-2
02 December	5	1-2-0-2-2-1-2-2	9	2-1-0-4-3-2-2-1	9	2-3-2-2-2-2-3-2
03 December	20	1-2-1-4-4-3-5-4	45	0-1-2-6-6-6-6-4	33	2-3-2-3-5-4-7-5
04 December	24	5-5-3-3-3-4-3-2	57	4-5-6-6-6-6-5-3	32	5-5-5-4-4-4-4-3
05 December	10	3-3-3-2-2-2-2-2	21	2-2-5-5-3-3-3-3	13	3-3-3-2-2-2-3-3
06 December	15	4-3-4-3-3-2-2-2	30	2-4-6-5-4-4-3-2	16	4-3-4-3-3-2-2-2
07 December	5	2-3-2-2-1-1-0-0	4	1-2-2-3-1-0-0-0	12	3-4-3-2-2-0-0-0



Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
01 Dec 0054	WARNING: Geomagnetic K = 4	01/0053 - 1200
01 Dec 0101	ALERT: Geomagnetic K = 4	
01 Dec 0241	ALERT: X-ray Flux exceeded M5	01/0240
01 Dec 0256	ALERT: Type II Radio Emission	01/0243
01 Dec 0314	SUMMARY: X-ray Event exceeded X1	01/0227 - 0305
01 Dec 0403	ALERT: Type II Radio Emission	01/0319
01 Dec 0459	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	25/1450
01 Dec 2119	WATCH: Geomagnetic Storm Category G2 predicted	
02 Dec 0501	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	25/1450
03 Dec 0706	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	25/1450
03 Dec 1022	WARNING: Geomagnetic K = 4	03/1022 - 2359
03 Dec 1423	ALERT: Geomagnetic K = 4	
03 Dec 1425	WARNING: Geomagnetic K = 5	03/1425 - 04/0000
03 Dec 1452	ALERT: Geomagnetic K = 5	
03 Dec 1941	ALERT: Geomagnetic K = 5	
03 Dec 1953	WARNING: Geomagnetic K = 6	03/1952 - 2359
03 Dec 1958	ALERT: Geomagnetic K = 6	
03 Dec 2027	WARNING: Geomagnetic K \geq 7	03/2025 - 2359
03 Dec 2048	ALERT: Geomagnetic K = 7	
03 Dec 2238	ALERT: Geomagnetic K = 5	
03 Dec 2355	EXTENDED WARNING: Geomagnetic K = 4	03/1022 - 04/1800
03 Dec 2356	EXTENDED WARNING: Geomagnetic K = 5	03/1425 - 04/1200
04 Dec 0250	ALERT: X-ray Flux exceeded M5	04/0248
04 Dec 0253	ALERT: Geomagnetic K = 5	
04 Dec 0303	ALERT: Type II Radio Emission	04/0246
04 Dec 0308	SUMMARY: X-ray Event exceeded M5	04/0236 - 0259
04 Dec 0453	ALERT: Geomagnetic K = 5	

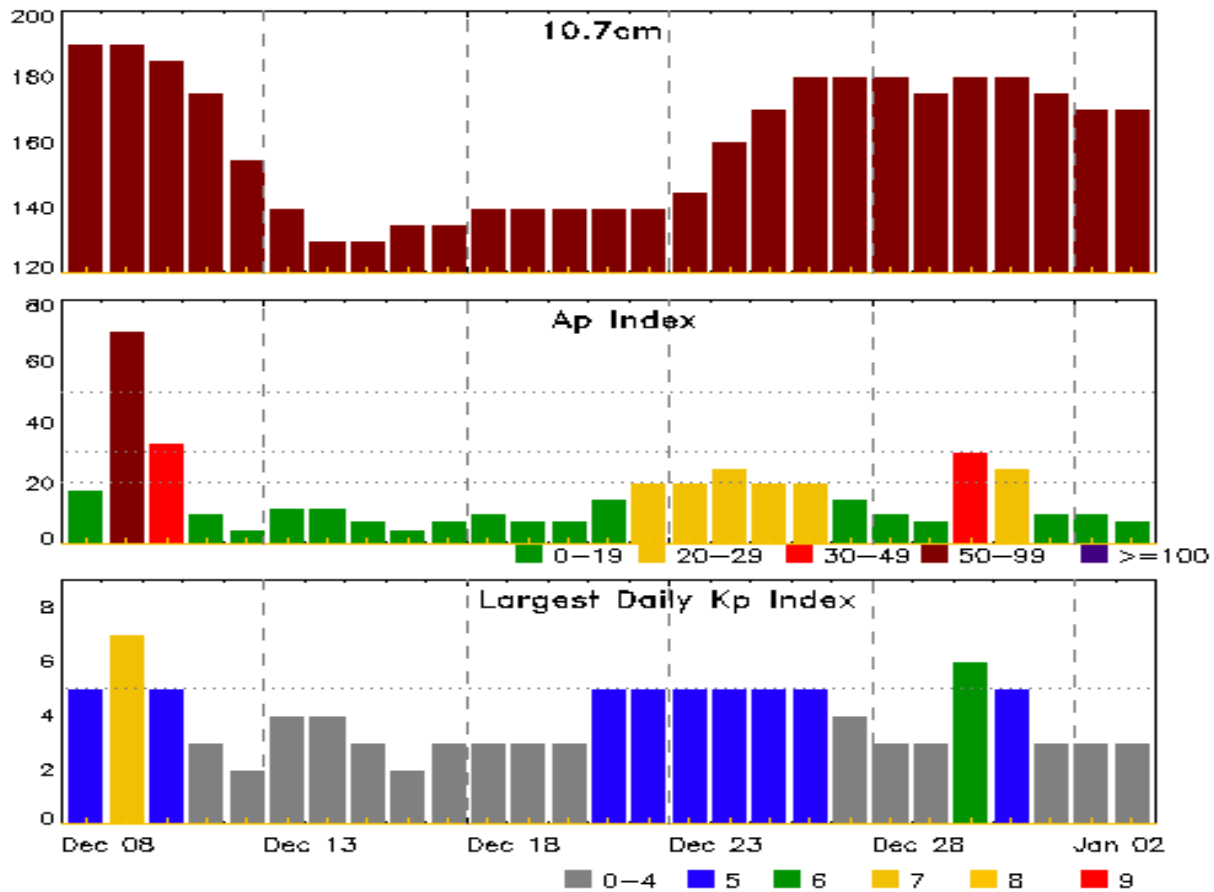


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
04 Dec 0855	ALERT: Geomagnetic K = 5	
04 Dec 0900	ALERT: Type IV Radio Emission	04/0832
04 Dec 1158	EXTENDED WARNING: Geomagnetic K = 5	03/1425 - 05/0000
04 Dec 1321	EXTENDED WARNING: Geomagnetic K = 4	03/1022 - 05/1800
04 Dec 2129	WATCH: Geomagnetic Storm Category G1 predicted	
05 Dec 1545	ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1530
05 Dec 1922	WATCH: Geomagnetic Storm Category G1 predicted	
06 Dec 0206	WARNING: Geomagnetic K = 4	06/0205 - 1200
06 Dec 0258	ALERT: Geomagnetic K = 4	
06 Dec 0837	WARNING: Geomagnetic K = 5	06/0836 - 2359
06 Dec 0852	EXTENDED WARNING: Geomagnetic K = 4	06/0205 - 2359
06 Dec 1234	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1530
06 Dec 2041	ALERT: X-ray Flux exceeded M5	06/2037
06 Dec 2051	ALERT: Type II Radio Emission	06/2040
06 Dec 2054	SUMMARY: 10cm Radio Burst	06/2035 - 2039
06 Dec 2057	SUMMARY: X-ray Event exceeded M5	06/2029 - 2049
06 Dec 2107	ALERT: Type IV Radio Emission	06/2057
07 Dec 0423	WARNING: Geomagnetic K = 4	07/0422 - 2359
07 Dec 0443	WATCH: Geomagnetic Storm Category G3 predicted	
07 Dec 0601	ALERT: Geomagnetic K = 4	
07 Dec 2139	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	05/1530



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
08 Dec	190	18	5	22 Dec	140	20	5
09	190	70	7	23	145	20	5
10	185	33	5	24	160	25	5
11	175	10	3	25	170	20	5
12	155	5	2	26	180	20	5
13	140	12	4	27	180	15	4
14	130	12	4	28	180	10	3
15	130	8	3	29	175	8	3
16	135	5	2	30	180	30	6
17	135	8	3	31	180	25	5
18	140	10	3	01 Jan	175	10	3
19	140	8	3	02	170	10	3
20	140	8	3	03	170	8	3
21	140	15	5				

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
01 Dec	0227	0249	0305	X1.9	0.250	1N	N20E81	4299	16000	410	3	3
04 Dec	0236	0250	0259	M6.0	0.044	1F	N06E54	4300	1e+05		2	
06 Dec	1858	1921	1936	M1.1	0.016	1F	N23E08	4299	110			
06 Dec	2029	2039	2049	M8.1	0.053	2B	N21E04	4299	660	1100	3	
07 Dec	2356	0012	0023	M2.4	0.027			4299	100		3	

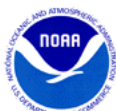
Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
01 Dec	0109	0109	0112		SF	N20W58	4288
01 Dec	0227	0249	0305	X1.9	1N	N20E81	4299
01 Dec	0325	0325	0340		SF	N17E67	
01 Dec	0616	0620	0622	C7.9	SF	S17E79	4296
01 Dec	0954	1014	1056	C6.0			4294
01 Dec	1246	1249	1251	C4.2			4296
01 Dec	1416	1423	1428	C3.5			4294
01 Dec	1622	1637	1651	C4.1			4294
01 Dec	1851	1901	1912	C3.2			4294
01 Dec	1912	1919	1921	C3.2			
01 Dec	2136	2138	2140		SF	S17E44	4294
01 Dec	2245	2246	2253		SF	N17W73	4288
02 Dec	0033	0034	0040		SF	S18E42	4294
02 Dec	0101	0101	0103		SF	N19W72	4288
02 Dec	0514	0522	0529	C3.9			4296
02 Dec	0529	0535	0539	C3.9			4296
02 Dec	1037	1040	1044	C2.9			4294
02 Dec	1212	1221	1228	C2.6			4288
02 Dec	1228	1231	1233	C2.7			4288
02 Dec	1406	1409	1413	C3.5			4298
02 Dec	1557	1602	1607	C2.0			4288
02 Dec	1735	1744	1748	C4.0	SF	S14E22	4298
02 Dec	2032	2038	2043	C5.4			4288
03 Dec	0120	0131	0136	C4.1	SF	N24E44	4299
03 Dec	0216	0223	0226	C2.7			4297
03 Dec	0347	0355	0400	C2.8			4299



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
03 Dec	1229	1252	1337	C5.4			
03 Dec	1404	1409	1411	C3.8			
03 Dec	1552	1602	1623	C3.0			4294
03 Dec	1957	2003	2007	C3.0			4294
03 Dec	2109	2112	2120		SF	S15E07	4298
03 Dec	2123	2131	2134	C3.9			
03 Dec	2216	2222	2229	C3.6			
03 Dec	2240	2248	2252	C4.0			4298
04 Dec	0011	0016	0019	C9.2			4296
04 Dec	0236	0250	0259	M6.0	1F	N06E54	4300
04 Dec	0345	0345	0358		SF	S04W47	4301
04 Dec	1800	1805	1808	C3.8	SF	S17E16	4294
04 Dec	1812	1819	1827	C3.4			4296
04 Dec	1900	1909	1915	C3.3			4298
04 Dec	1903	1918	1928		SF	S17W09	4298
04 Dec	1915	1920	1923	C3.6			4298
04 Dec	2109	2109	2111		SF	S05W71	
04 Dec	2307	2308	2317		SF	S12E06	4294
04 Dec	2313	2316	2318	C3.7			4296
04 Dec	2318	2324	2331	C6.8			4296
04 Dec	2319	2327	2338		SN	S14E16	4296
05 Dec	0002	0011	0026	C3.9	SF	S15E08	4294
05 Dec	0034	0040	0046		SF	S17W08	4298
05 Dec	0142	0209	0739	C7.3	SN	N23E28	4299
05 Dec	0739	0745	0750	C2.7	SF	S18W17	4298
05 Dec	0936	0944	0949	C2.6			4299
05 Dec	1544	1549	1559		SF	N21E16	4299
05 Dec	1605	1623	1654	C4.3	SF	S13W04	4294
05 Dec	1745	1754	1803	C2.5	SF	S13W04	4294
05 Dec	1827	1833	1835	C2.4			4294
05 Dec	1840	1851	1855	C2.4			
05 Dec	1843	1903	1907	C2.5	SF	S17W08	4294
05 Dec	2001	2011	2017	C3.8	SF	S14E05	4294
05 Dec	2052	2103	2111	C2.5	SF	S12E10	4296
05 Dec	2111	2116	2119	C2.3			4296
05 Dec	2123	2124	2132		SF	N21E15	4299
05 Dec	2236	2248	2306	C5.2	SF	S12E10	4296
06 Dec	0032	0035	0040	C2.3			4294



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
06 Dec	0115	0123	0131	C5.7	SF	S10W72	4297
06 Dec	0221	0221	0223		SF	N18E14	4299
06 Dec	0255	0309	0321	C6.4	1F	S17W10	4294
06 Dec	0433	0441	0446	C1.8			4294
06 Dec	0557	0602	0605	C1.9			4294
06 Dec	0936	0945	0950	C3.6			4298
06 Dec	1150	1157	1200	C1.9			
06 Dec	1200	1204	1206	C2.0			
06 Dec	1533	1533	1540		SF	N21E03	4299
06 Dec	1654	1658	1702	C1.6	SF	N21E02	4299
06 Dec	1719	1732	1743	C1.8	SF	S15W06	4294
06 Dec	1858	1921	1936	M1.1	1F	N23E08	4299
06 Dec	2029	2039	2049	M8.1	2B	N21E04	4299
06 Dec	2051	2051	2103		SF	N07E17	4300
06 Dec	2228	2229	2234		SF	N21E01	4299
07 Dec	0047	0054	0106	C2.2			4296
07 Dec	0320	0331	0340	C2.5	SF	S15W09	4296
07 Dec	0418	0427	0435		SF	S15W09	4296
07 Dec	0712	0717	0725	C2.7			4294
07 Dec	0740	0744	0746	C4.4			4294
07 Dec	0806	0811	0813	C3.4			4296
07 Dec	0911	0916	0918	C2.5			4294
07 Dec	0931	0938	0945	C2.8			4296
07 Dec	1011	1015	1018	C2.7			4294
07 Dec	1151	1204	1208	C7.5			4294
07 Dec	1319	1325	1327	C3.4			
07 Dec	1533	1538	1556		SF	S13W25	4294
07 Dec	1700	1704	1706	C2.3			
07 Dec	1722	1731	1735	C4.9	SF	S20W22	4294
07 Dec	1802	1809	1816	C2.6	SF	S16W19	4294
07 Dec	1902	1912	1917	C3.7	SF	S21W23	4294
07 Dec	2041	2046	2048	C6.3	SN	S16W50	4298
07 Dec	2118	2122	2124	C5.4	SN	S16W31	4294
07 Dec	2218	2219	2220		SF	S16W50	4298
07 Dec	2232	2236	2239	C3.1	SN	S21W24	4294
07 Dec	2240	2248	2252	C6.7	SF	S16W50	4298
07 Dec	2256	2258	2316		SF	S13W18	4296
07 Dec	2300	2302	2304		SF	S20W52	4298



Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
07 Dec	2312	2315	2330		SF	S16W23	4294
07 Dec	2356	0012	0023	M2.4			4299

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 4287															
19 Nov	N02E65	67	90	2	Hsx	1	A								
20 Nov	N02E53	66	90	1	Hsx	1	A								
21 Nov	N03E39	67	20	1	Hsx	1	A	1							
22 Nov	N02E26	67	50	2	Hsx	1	A								
23 Nov	N02E13	67	20	1	Hrx	1	A								
24 Nov	N01W01	67	10	1	Hrx	1	A								
25 Nov	N01W14	67	20	1	Hsx	1	A								
26 Nov	N01W27	67	20	1	Hrx	1	A								
27 Nov	N01W41	68	20	1	Hrx	1	A								
28 Nov	N01W55	69	20	1	Hrx	1	A								
29 Nov	N01W70	71	plage												
30 Nov	N01W85	73	plage												
								1	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 67

Region 4288															
20 Nov	N18E75	44	120	2	Hsx	1	A								
21 Nov	N17E63	43	30	2	Cso	1	B	2							
22 Nov	N17E49	44	120	3	Cso	1	B								
23 Nov	N18E36	44	90	3	Hsx	2	A	1							
24 Nov	N17E22	44	70	6	Cso	4	B								
25 Nov	N17E08	45	110	5	Cso	4	B	1			1				
26 Nov	N17W05	45	140	3	Cso	4	B								
27 Nov	N17W19	46	110	2	Hsx	2	A								
28 Nov	N17W33	47	110	2	Dao	5	B				1				
29 Nov	N18W45	46	90	8	Dao	7	B				2				
30 Nov	N19W59	47	120	9	Dai	8	B	3			3				
01 Dec	N19W73	47	60	9	Dai	9	B				2				
02 Dec	N19W86	47	60	9	Dai	4	B	4			1				
								11	0	0	10	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 45



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 4289

21 Nov	S03E49	57	10	1	Axx	1	A								
22 Nov	S01E36	57	20	1	Hsx	1	A								
23 Nov	S01E21	59	10	1	Axx	1	A								
24 Nov	S03E07	58	0	1	Axx	1	A								
25 Nov	S02W05	58	10	1	Axx	1	A								
26 Nov	S02W19	59	plage												
27 Nov	S02W33	60	plage												
28 Nov	S02W47	61	plage												
29 Nov	S02W62	63	plage												
30 Nov	S02W77	65	plage												
								0	0	0	0	0	0	0	0

Died on Disk.

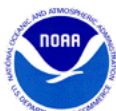
Absolute heliographic longitude: 58

Region 4290

21 Nov	S10E74	32	40	2	Cao	3	B	2			1				
22 Nov	S10E58	35	120	3	Cao	3	B	8							
23 Nov	S10E45	35	20	2	Cao	3	B	1							
24 Nov	S11E29	36	30	4	Cso	4	B	4			2				
25 Nov	S11E17	36	70	4	Cso	3	B								
26 Nov	S10E04	36	70	3	Hsx	1	A	1			1				
27 Nov	S10W08	35	30	1	Hsx	1	A								
28 Nov	S10W22	36	30	1	Hsx	1	A								
29 Nov	S10W34	35	40	2	Hsx	1	A								
30 Nov	S10W48	36	30	1	Hsx	1	A								
01 Dec	S10W62	36	20	1	Hsx	1	A								
02 Dec	S10W73	34	20	1	Hrx	1	A								
03 Dec	S09W87	35	10	1	Hrx	1	A								
								16	0	0	4	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 36



Region Summary - continued

Date	Location	Sunspot Characteristics						Flares							
	Lat CMD	Helio	Area 10 ⁻⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical				
		Lon						C	M	X	S	1	2	3	4
Region 4291															
22 Nov	S14E65	28	120	5	Dao	6	B	4							
23 Nov	S13E54	26	100	11	Eai	9	B	7			1				
24 Nov	S16E37	28	100	14	Eai	15	BG								
25 Nov	S13E25	28	160	13	Eai	12	BG								
26 Nov	S14E12	28	200	11	Eai	18	BG	3			1				
27 Nov	S14W01	28	120	10	Dai	14	BD	3			3				
28 Nov	S14W15	29	120	10	Dai	14	BG								
29 Nov	S14W28	29	150	11	Eai	14	BG								
30 Nov	S12W41	29	100	11	Eai	11	BG								
01 Dec	S12W55	29	20	6	Cao	5	B								
02 Dec	S11W72	33	20	2	Hrx	1	A								
03 Dec	S11W85	33	10	1	Hrx	1	A								
								17	0	0	5	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 28

Region 4293

24 Nov	N06E44	22	10	2	Bxo	2	B								
25 Nov	N08E30	23	10	1	Axx	1	A								
26 Nov	N08E16	24	plage												
27 Nov	N08E02	25	plage												
28 Nov	N08W12	26	plage												
29 Nov	N08W26	27	plage												
30 Nov	N08W40	28	plage												
01 Dec	N08W54	28	plage												
02 Dec	N08W68	29	plage												
03 Dec	N08W82	30	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 25



Region Summary - continued

Date	Location	Sunspot Characteristics						Flares							
	Lat CMD	Helio	Area 10 ⁻⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical				
		Lon						C	M	X	S	1	2	3	4
Region 4294															
28 Nov	S16E78	296	160	6	Dso	5	B	15	2						
29 Nov	S16E64	297	800	19	Fkc	12	B	6	4		1	1			
30 Nov	S15E55	293	1100	23	Fkc	21	BGD	7							
01 Dec	S15E43	291	1440	18	Fkc	40	BGD	4			1				
02 Dec	S15E31	290	1445	18	Fkc	41	BGD	1			1				
03 Dec	S15E18	290	1445	18	Fkc	55	BGD	1							
04 Dec	S15E04	291	1280	19	Fkc	47	BGD	1			2				
05 Dec	S15W09	291	1000	19	Fkc	29	BGD	6			5				
06 Dec	S15W23	292	850	19	Fkc	32	BGD	5			1	1			
07 Dec	S15W37	292	800	19	Fkc	34	BGD	10			7				
								56	6	0	18	2	0	0	0

Still on Disk.

Absolute heliographic longitude: 291

Region 4295

29 Nov	N04E81	282	plage												
30 Nov	N04E66	282	30	1	Hsx	1	A	1							
01 Dec	N04E51	283	40	1	Hsx	1	A								
02 Dec	N04E40	281	40	2	Hsx	1	A								
03 Dec	N04E25	283	50	3	Cso	4	B								
04 Dec	N04E11	284	40	2	Cao	4	B								
05 Dec	N04W03	285	30	2	Cro	3	B								
06 Dec	N04W18	287	30	2	Cro	3	B								
07 Dec	N04W33	288	10	1	Hax	1	A								
								1	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 285



Region Summary - continued

Date	Location	Sunspot Characteristics						Flares							
	Lat CMD	Helio	Area 10 ⁻⁶ hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical				
		Lon						C	M	X	S	1	2	3	4
Region 4296															
30 Nov	S14E76	271	500	11	Eki	6	B								
01 Dec	S14E62	272	640	12	Eki	12	BG	2				1			
02 Dec	S14E50	271	630	11	Ekc	10	BD	2							
03 Dec	S14E37	271	620	12	Ekc	25	BGD								
04 Dec	S14E23	272	650	12	Ekc	18	BGD	4				1			
05 Dec	S14E10	272	660	11	Eki	8	B	3				2			
06 Dec	S14W04	273	660	11	Eki	8	B								
07 Dec	S14W18	273	680	11	Eki	12	B	4				3			
								15	0	0	7	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 273

Region 4297															
01 Dec	S12W15	349	20	5	Bxi	5	B								
02 Dec	S12W29	350	10	6	Bxo	3	B								
03 Dec	S12W40	348	10	1	Bxo	2	B	1							
04 Dec	S12W53	348	plage												
05 Dec	S12W67	349	plage												
06 Dec	S12W81	350	plage					1			1				
								2	0	0	1	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 349

Region 4298															
01 Dec	S16E32	302	110	3	Hsx	3	A								
02 Dec	S16E18	303	120	5	Cao	4	B	2			1				
03 Dec	S16E04	304	110	4	Cso	4	B	1			1				
04 Dec	S16W10	305	100	4	Cso	4	B	2			1				
05 Dec	S18W24	306	100	4	Cso	2	B	1			2				
06 Dec	S18W38	307	110	4	Hsx	1	A	1							
07 Dec	S18W52	307	120	2	Hsx	1	A	2			4				
								9	0	0	9	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 304



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 4299

30 Nov	N22E82	266	plage					1							
01 Dec	N22E68	266	150	9	Dai	9	BG			1					
02 Dec	N22E54	266	150	8	Dac	9	BD								
03 Dec	N23E42	266	140	8	Dao	15	BD	2			1				
04 Dec	N23E28	267	200	8	Dao	6	BD								
05 Dec	N21E15	267	190	7	Dao	3	BD	2			3				
06 Dec	N21E01	268	210	7	Dao	10	BD	1	2		4	1	1		
07 Dec	N21W13	268	220	7	Dai	10	BD		1						
								6	3	1	8	1	1	0	0

Still on Disk.

Absolute heliographic longitude: 268

Region 4300

02 Dec	N07E67	254	40	6	Cso	3	B								
03 Dec	N07E53	255	30	5	Csi	6	BG								
04 Dec	N07E39	256	30	5	Cso	5	B		1			1			
05 Dec	N08E25	257	20	2	Cso	2	B								
06 Dec	N08E11	258	20	2	Cso	2	B				1				
07 Dec	N08W03	258	10	2	Hsx	1	A								
								0	1	0	1	1	0	0	0

Still on Disk.

Absolute heliographic longitude: 258

Region 4301

03 Dec	S07W44	352	50	6	Cri	14	BG								
04 Dec	S07W58	353	120	6	Dai	11	B				1				
05 Dec	S09W72	354	80	6	Dai	5	B								
06 Dec	S09W86	355	60	3	Cso	3	B								
								0	0	0	1	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 352

Region 4302

05 Dec	S04W85	7	20	2	Hsx	1	A								
								0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 7



Region Summary - continued

Location		Sunspot Characteristics						Flares							
Date	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	4
		<i>Region 4303</i>													
07 Dec	S27E53	202	30	4	Cro	4	B	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 202



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