

Solar activity was at low levels with C-class flare activity on 23-26 Dec. Moderate levels of solar activity were observed on 20-22 Dec due to M-class flare activity. Region 2908 (S20, L=300, class/area=Dai/100 on 22 Dec) produced M1/1n flares at 20/1136 and 22/0706 UTC while Region 2916 (S18, L=194, class/area=Ekc/450 on 25 Dec) produced two M1 flares at 21/0750 and 21/1144 UTC. The remainder of the period was dominated by frequent C-class flare activity primarily from Regions 2908 and 2916, in addition to Regions 2907 (S22, L=313, class/area=Eki/300 on 23 Dec) 2918 (N19, L=211, class/area=Dki/280 on 25 Dec).

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was normal to moderate on 20-22 Dec and at high levels on 23-26 Dec following CH HSS-associated enhancements.

Geomagnetic field activity reached active levels on 20-21 Dec and unsettled levels on 22 Dec due to the influences of a negative polarity CH HSS. Quiet to unsettled levels were observed on 25 Dec due to what appeared to be the possible arrival of a CME from 21 Dec. Quiet field conditions and a nominal solar wind regime dominated the remainder of the period.

Space Weather Outlook

27 December - 22 January 2022

Solar activity is expected to be mostly at very low to low levels, with isolated M-class flare activity possible, throughout the outlook period.

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 27 Dec-03 Jan and 17-22 Jan. Normal to moderate levels are expected prevail throughout the remainder of the period.

Geomagnetic field activity is expected to reach active levels on 25-29 Dec and 16 Jan due to CH HSS influences. Quiet to unsettled or generally quiet conditions are expected for 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
20 December	123	115	430	B6.8	13	1	0	9	1	0	0	0
21 December	137	147	600	B7.4	11	2	0	5	1	0	0	0
22 December	140	137	730	B9.4	10	1	0	7	2	0	0	0
23 December	130	143	800	B8.0	15	0	0	12	0	0	0	0
24 December	126	145	950	B7.5	13	0	0	8	2	0	0	0
25 December	131	117	850	B8.8	12	0	0	7	0	0	0	0
26 December	125	95	750	B6.7	7	0	0	1	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
	20 December	2.0e+05	4.4e+04
21 December	8.2e+04	4.4e+04	2.5e+07
22 December	6.4e+04	4.3e+04	5.0e+07
23 December	5.5e+04	4.3e+04	1.1e+08
24 December	6.9e+04	4.3e+04	9.2e+07
25 December	7.7e+04	4.3e+04	6.1e+07
26 December	6.9e+04	4.3e+04	8.5e+07

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	20 December	13	4-2-2-4-3-2-2-2	21	3-2-2-0-5-5-3-2	16
21 December	7	3-1-2-2-2-2-2-1	14	3-2-2-1-5-3-3-0	10	4-2-2-1-2-2-3-1
22 December	8	2-2-2-1-3-3-2-0	14	1-1-3-3-5-3-2-2	11	2-3-3-2-3-2-3-1
23 December	2	1-1-0-0-1-1-1-1	5	1-1-1-3-1-1-1-1	4	2-1-0-1-0-1-2-1
24 December	3	1-0-1-1-1-2-1-1	3	0-0-0-3-1-1-1-1	5	1-1-1-2-1-1-1-2
25 December	5	1-1-2-2-2-2-2-0	16	2-0-4-5-4-3-1-1	7	2-1-3-2-2-2-2-1
26 December	2	0-0-0-1-1-1-1-1	2	0-0-0-3-1-0-0-0	3	1-0-0-1-0-0-1-1

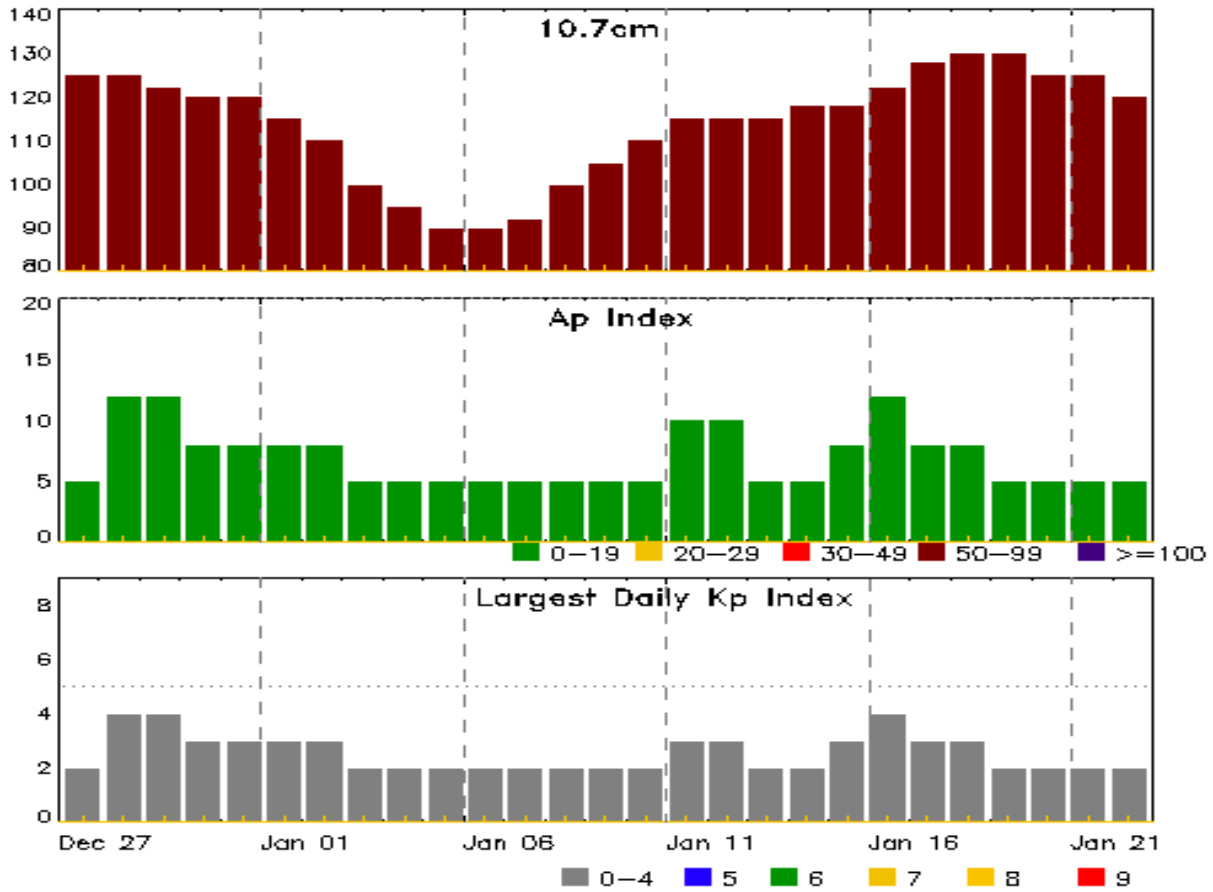


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
20 Dec 0533	EXTENDED WARNING: Geomagnetic K = 4	19/1748 - 20/2359
20 Dec 1205	ALERT: Type II Radio Emission	20/1122
21 Dec 0215	WARNING: Geomagnetic K = 4	21/0206 - 0600
21 Dec 0218	ALERT: Geomagnetic K = 4	21/0218
21 Dec 0437	EXTENDED WARNING: Geomagnetic K = 4	21/0206 - 0900
21 Dec 0640	ALERT: Type IV Radio Emission	21/0508
21 Dec 0713	CANCELLATION: Type IV Radio Emission	
22 Dec 0737	ALERT: Type II Radio Emission	22/0708
22 Dec 1427	WARNING: Geomagnetic K = 4	22/1425 - 1800
22 Dec 1732	ALERT: Electron 2MeV Integral Flux \geq 1000pfu	22/1705
22 Dec 1932	WATCH: Geomagnetic Storm Category G1 predicted	
23 Dec 0545	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	22/1705
24 Dec 0905	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	22/1705
25 Dec 1451	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	22/1705
26 Dec 1140	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	22/1705



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
27 Dec	125	5	2	10 Jan	110	5	2
28	125	12	4	11	115	10	3
29	122	12	4	12	115	10	3
30	120	8	3	13	115	5	2
31	120	8	3	14	118	5	2
01 Jan	115	8	3	15	118	8	3
02	110	8	3	16	122	12	4
03	100	5	2	17	128	8	3
04	95	5	2	18	130	8	3
05	90	5	2	19	130	5	2
06	90	5	2	20	125	5	2
07	92	5	2	21	125	5	2
08	100	5	2	22	120	5	2
09	105	5	2				



Energetic Events

Date	Time			X-ray	Optical Information			Peak		Sweep Freq		
	Begin	Max	Half	Class	Integ Flux	Imp/ Brtns	Location Lat CMD	Rgn #	Radio Flux		Intensity	
			Max						245	2695	II	IV
20 Dec	1112	1136	1155	M1.8	0.030	1N	S22W05	2908	240	2		
21 Dec	0743	0750	0757	M1.1	0.006	SF	S21W14	2916				
21 Dec	1131	1144	1149	M1.4	0.005				2916			
22 Dec	0654	0706	0721	M1.3	0.011	1N	S23W27	2908	2			

Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
20 Dec	0017	0034	0053	C1.6			2908
20 Dec	0308	0321	0327	C4.4			2909
20 Dec	0429	0437	0444	C1.5			2908
20 Dec	0633	0640	0644	C1.3			2907
20 Dec	0711	0711	0714		SF	S22W13	2907
20 Dec	0731	0734	0744		SF	S22W13	2907
20 Dec	0843	0851	0857	C1.2			2907
20 Dec	0919	0921	0925	C1.1	SF	S21W14	2907
20 Dec	1037	1046	1050	C2.9	SF	S21W15	2907
20 Dec	1112	1136	1155	M1.8	1N	S22W05	2908
20 Dec	1200	1203	1206		SF	S21W16	2907
20 Dec	1236	1238	1242		SF	S21W16	2907
20 Dec	1343	1343	1343		SF	S23W16	2907
20 Dec	1348	1354	1359	C1.4	SF	S23W16	2907
20 Dec	1557	1602	1606	C1.4	SF	S23W22	2907
20 Dec	1634	1642	1702	C1.0			2907
20 Dec	1715	1728	1732	C1.5			
20 Dec	2023	2032	2041	C1.4			
20 Dec	2045	2049	2055	C1.6			
20 Dec	2247	2254	2304	C1.1			
21 Dec	0144	0157	0212	C5.5	1F	S22W30	2907
21 Dec	0340	0344	0352	C2.8			2908
21 Dec	0448	0500	0509	C3.3			2908
21 Dec	0558	0610	0619	C4.0			2908
21 Dec	0658	0724	0809	C4.9	SF	S20W13	2908
21 Dec	0743	0750	0757	M1.1	SF	S21W14	2916
21 Dec	0806	0806	0826		SF	S21W14	



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
21 Dec	1131	1144	1149	M1.4			2916
21 Dec	1345	1352	1400	C1.0			2908
21 Dec	1544	1553	1558	C2.0			2916
21 Dec	1735	1750	1804	C4.9	SF	S21W17	2908
21 Dec	1902	1923	1953	C4.9	SF	S20W08	2909
21 Dec	2036	2048	2100	C3.9			
21 Dec	2229	2237	2308	C4.9			
22 Dec	0012	0021	0029	C5.7			
22 Dec	0436	0446	0456	C1.5			2907
22 Dec	0515	0542	0559	C4.0	SF	S24W45	2907
22 Dec	0654	0706	0721	M1.3	1N	S23W27	2908
22 Dec	0743	0743	0745		SF	S23W27	2908
22 Dec	1004	1011	1014	C3.4	SF	S22W38	2907
22 Dec	1103	1109	1116	C2.0			2908
22 Dec	1159	1202	1210		SF	S18W31	2908
22 Dec	1214	1216	1224		SF	S23W28	2908
22 Dec	1520	1521	1522		SF	S18W50	2907
22 Dec	1756	1808	1826	C8.8	1N	S22W50	2907
22 Dec	1931	1939	1945	C2.4			2907
22 Dec	2042	2046	2050	C1.3			2918
22 Dec	2120	2127	2132	C1.1			2907
22 Dec	2137	2137	2138		SF	N20E56	2918
22 Dec	2205	2218	2233	C2.0			2908
22 Dec	2344	2353	0002	C1.9			2907
23 Dec	0045	0058	0108	C1.4	SF	S20W55	2907
23 Dec	0213	0223	0228	C1.1			2907
23 Dec	0249	0249	0302		SF	S18W39	2908
23 Dec	0319	0330	0333	C1.7	SF	S19W57	2907
23 Dec	0524	0526	0532		SF	S20W55	2907
23 Dec	0719	0732	0744	C2.0	SF	S23W57	2907
23 Dec	0802	0811	0820	C2.1	SF	S21W58	2907
23 Dec	0846	0851	0853		SF	S21W57	2907
23 Dec	0910	0910	0913		SF	S22W57	2907
23 Dec	0919	0930	0939	C2.6	SF	S20W57	2907
23 Dec	1027	1027	1032		SF	S25W59	2907
23 Dec	1241	1246	1250	C1.4			2916
23 Dec	1316	1322	1326	C1.4	SF	S27E26	2917
23 Dec	1352	1401	1406	C1.4			2907



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
23 Dec	1454	1501	1509	C1.1			2907
23 Dec	1614	1619	1648	C1.0			2907
23 Dec	1735	1741	1746	C1.2			2907
23 Dec	1838	1849	1906	C1.1			2907
23 Dec	2155	2203	2224	C1.2			2907
23 Dec	2330	2335	2339	C1.3	SF	S20W57	2907
24 Dec	0046	0057	0107	C1.2			
24 Dec	0227	0243	0258	C5.1	1F	S20W57	2907
24 Dec	0325	0342	0350	C7.4	1F	S30E22	2917
24 Dec	0522	0523	0523		SF	S18W39	2908
24 Dec	0602	0610	0617	C1.6			2908
24 Dec	0620	0627	0648	C5.7			2908
24 Dec	0624	0624	0628		SF	S20W57	2907
24 Dec	0625	0627	0636		SF	S18W39	2908
24 Dec	0650	0652	0653		SF	S20W57	2907
24 Dec	0702	0719	0734	C5.5	SF	S20W57	2907
24 Dec	0747	0752	0756	C3.7			2908
24 Dec	0810	0820	0829	C3.0			2907
24 Dec	0959	1013	1020	C4.2	SF	S21W57	2908
24 Dec	1133	1212	1236	C5.2	SF	S21W58	2908
24 Dec	1330	1330	1336		SF	N22E31	2918
24 Dec	2157	2202	2207	C1.4			2908
24 Dec	2227	2235	2253	C1.3			2908
24 Dec	2256	2307	2320	C1.8			2908
25 Dec	0039	0045	0050	C1.1			2918
25 Dec	0126	0134	0139	C1.4	SF	S16E50	2916
25 Dec	0314	0326	0334	C1.3	SF	N20E27	2918
25 Dec	0637	0645	0659	C1.3			2907
25 Dec	0713	0726	0749	C1.8	SF	S30E09	2917
25 Dec	0900	0913	0932	C1.8	SF	S23E61	2909
25 Dec	0943	0951	0958	C2.2	SF	N23E21	2918
25 Dec	1016	1017	1018		SF	N21E18	2918
25 Dec	1215	1224	1229	C3.0	SF	N22E20	2918
25 Dec	1319	1330	1335	C3.3			2918
25 Dec	1547	1558	1608	C3.0			2917
25 Dec	1614	1619	1624	C3.1			2918
25 Dec	1853	1905	1915	C3.4			2918
26 Dec	0012	0021	0030	C1.8			2918



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
26 Dec	0033	0036	0041	C2.6			2908
26 Dec	0126	0135	0150	C1.8			2908
26 Dec	0432	0442	0449	C2.0			2918
26 Dec	0802	0802	0802		SF	S15E30	2916
26 Dec	1403	1408	1414	B9.6			2916
26 Dec	1728	1735	1742	B9.6			2916
26 Dec	1826	1832	1840	C1.0			
26 Dec	1846	1859	1910	C1.4			2920
26 Dec	2000	2012	2020	C3.2			
26 Dec	2136	2144	2152	B9.7			2917



Region Summary

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 2905

12 Dec	S11E44	349	30	2	Cro	2	B										
13 Dec	S11E31	349	20	4	Cro	3	B										
14 Dec	S11E16	351	10	1	Hrx	1	A										
15 Dec	S11E03	350	0	1	Axx	1	A										
16 Dec	S12W11	351	10	1	Axx	1	A										
17 Dec	S12W25	352	plage														
18 Dec	S12W39	353	plage														
19 Dec	S12W53	353	plage														
20 Dec	S12W67	354	plage														
21 Dec	S12W81	355	plage														
									0	0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 350

Region 2906

13 Dec	S29E38	343	10	2	Bxo	4	B										
14 Dec	S29E24	343	50	7	Cso	4	B	1			4						
15 Dec	S29E09	344	120	4	Dao	4	B										
16 Dec	S29W04	344	60	7	Cso	9	B										
17 Dec	S29W16	343	50	9	Cso	7	B										
18 Dec	S29W30	344	20	7	Cro	4	B										
19 Dec	S29W45	345	20	1	Hrx	1	A										
20 Dec	S29W57	344	10	1	Axx	1	A										
21 Dec	S29W71	345	plage														
22 Dec	S29W85	346	plage														
									1	0	0	4	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 344



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 2907																							
13 Dec	S21E60	320	10	4	Bxo	3	B																
14 Dec	S21E49	318	50	7	Dsc	5	BG	3					1										
15 Dec	S21E39	314	260	8	Dki	12	BG	8					5										
16 Dec	S20E26	314	180	10	Dai	23	BG	1															
17 Dec	S19E12	315	280	10	Dhi	19	BG	1															
18 Dec	S19W01	315	310	10	Dki	24	BG																
19 Dec	S21W14	314	250	10	Dki	15	BG	4				2	1										
20 Dec	S21W26	313	150	10	Dai	13	BG	7				9											
21 Dec	S21W38	312	200	10	Dai	14	BG	1					1										
22 Dec	S21W50	311	230	11	Eai	14	BG	6				3	1										
23 Dec	S22W65	313	300	13	Eki	17	BG	13				10											
24 Dec	S22W78	313	280	12	Ehi	15	BG	3				3	1										
								47	0	0	33	4	0	0	0								

Crossed West Limb.
Absolute heliographic longitude: 315

Region 2908																							
15 Dec	S21E58	295	300	6	Dko	6	B																
16 Dec	S20E43	297	210	8	Dao	10	B																
17 Dec	S20E30	297	270	9	Dki	18	BG					2											
18 Dec	S19E15	298	270	10	Dki	15	BG																
19 Dec	S21E02	298	240	12	Eai	13	B																
20 Dec	S21W11	298	100	9	Cai	10	B	2	1				1										
21 Dec	S20W25	299	100	8	Dsi	18	B	6				2											
22 Dec	S20W39	300	100	7	Dai	16	BG	2	1			3	1										
23 Dec	S20W52	300	100	8	Cai	10	B					1											
24 Dec	S20W66	301	20	5	Cro	4	B	8				4											
25 Dec	S20W80	302	50	2	Hax	1	A																
								18	2	0	12	2	0	0	0								

Crossed West Limb.
Absolute heliographic longitude: 298



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 2909																				
15 Dec	S21E70	283	150	9	Dao	6	B													
16 Dec	S21E58	282	150	7	Dao	5	B	4				1								
17 Dec	S21E42	285	210	7	Dso	6	B	1				1								
18 Dec	S21E29	285	210	7	Dao	6	B	1												
19 Dec	S21E16	284	120	6	Cao	4	B													
20 Dec	S21E01	284	100	6	Cso	5	B	1												
21 Dec	S21W12	286	80	3	Hax	3	A	1				1								
22 Dec	S21W26	287	70	3	Hsx	3	A													
23 Dec	S21W39	287	50	2	Hax	2	A													
24 Dec	S21W53	288	20	1	Hrx	1	A													
25 Dec	S21W67	289	plage							1			1							
26 Dec	S21W81	289	plage																	
								9	0	0	4	0	0	0	0	0				

Still on Disk.

Absolute heliographic longitude: 284

Region 2910

16 Dec	N13W16	356	20	5	Cro	6	B												
17 Dec	N14W28	355	30	4	Cro	5	B												
18 Dec	N12W44	356	10	3	Bxo	2	B												
19 Dec	N13W53	353	20	2	Hsx	2	A												
20 Dec	N14W65	352	10	1	Axx	2	A												
21 Dec	N15W79	353	20	3	Cro	3	B												
								0	0	0	0	0	0	0	0	0	0	0	

Crossed West Limb.

Absolute heliographic longitude: 356



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 2911																	
16 Dec	N19E70	270	20	5	Cro	3	B	3			2						
17 Dec	N19E54	273	80	5	Cao	4	B	6	1		5	1					
18 Dec	N20E39	275	80	4	Cao	6	B										
19 Dec	N20E25	275	50	3	Hax	3	A										
20 Dec	N20E14	273	20	1	Hrx	2	A										
21 Dec	N20E02	272	20	1	Hrx	1	A										
22 Dec	N20W12	273	10	1	Axx	1	A										
23 Dec	N20W25	273	10	1	Axx	1	A										
24 Dec	N20W39	274	plage														
25 Dec	N20W53	275	plage														
26 Dec	N20W67	275	plage														
								9	1	0	7	1	0	0	0	0	

Still on Disk.
 Absolute heliographic longitude: 272

Region 2912																	
19 Dec	S12E64	236	40	1	Hsx	1	A										
20 Dec	S12E52	235	30	1	Hsx	1	A										
21 Dec	S12E39	235	30	1	Hsx	1	A										
22 Dec	S12E27	234	20	1	Hrx	1	A										
23 Dec	S12E13	235	10	1	Hrx	1	A										
24 Dec	S12W00	235	20	1	Hrx	1	A										
25 Dec	S13W14	236	20	1	Hrx	1	A										
26 Dec	S13W27	235	10	1	Axx	1	A										
								0	0	0	0	0	0	0	0	0	

Still on Disk.
 Absolute heliographic longitude: 235

Region 2913																	
20 Dec	S28E32	255	10	1	Axx	1	A										
21 Dec	S28E19	255	10	1	Axx	1	A										
22 Dec	S28E05	256	plage														
23 Dec	S25W09	257	plage														
24 Dec	S25W23	258	plage														
25 Dec	S25W37	259	plage														
26 Dec	S25W51	259	plage														
								0	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	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 2914																		
21 Dec	S17E23	251	10		2	Bxo	2	B										
22 Dec	S17E09	252	plage															
23 Dec	S17W05	253	plage															
24 Dec	S17W19	254	plage															
25 Dec	S17W33	255	plage															
26 Dec	S17W47	255	plage															
										0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 253

Region 2915																		
21 Dec	N16E36	238	30		4	Dso	3	B										
22 Dec	N16E22	239	30		5	Dro	3	B										
23 Dec	N17E10	238	30		6	Cro	2	B										
24 Dec	N16W03	238	20		7	Cro	3	B										
25 Dec	N16W16	238	10		1	Axx	1	A										
26 Dec	N16W30	238	plage															
										0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 238

Region 2916																		
21 Dec	S18E82	192	100		2	Hsx	1	A	1	2								
22 Dec	S17E69	192	240		9	Dso	3	B										
23 Dec	S16E55	193	190		7	Dso	7	B	1									
24 Dec	S18E42	193	400		7	Dhi	17	B										
25 Dec	S18E28	194	450		11	Ekc	21	BGD	1									
26 Dec	S18E14	194	430		12	Ekc	17	B				1						
										3	2	0	1	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 194



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 2917																		
22 Dec	S27E30	231	10	2	Bxo	2	B											
23 Dec	S27E18	230	30	4	Cro	7	B	1				1						
24 Dec	S27E05	230	50	6	Cro	9	B	1					1					
25 Dec	S28W06	228	20	7	Cro	5	B	2				1						
26 Dec	S28W20	228	plage															
								4	0	0		2	1	0	0	0	0	

Still on Disk.
Absolute heliographic longitude: 230

Region 2918																		
22 Dec	N20E52	209	20	6	Cro	4	B	1				1						
23 Dec	N20E38	210	80	7	Dao	6	B											
24 Dec	N19E24	211	140	9	Dai	15	B					1						
25 Dec	N19E11	211	280	9	Dki	17	B	7				4						
26 Dec	N19W03	211	260	10	Dki	17	B	2										
								10	0	0		6	0	0	0	0	0	

Still on Disk.
Absolute heliographic longitude: 211

Region 2919																		
25 Dec	S11E59	163	20	1	Hsx	1	A											
26 Dec	S11E45	163	20	1	Hrx	1	A											
								0	0	0		0	0	0	0	0	0	

Still on Disk.
Absolute heliographic longitude: 163

Region 2920																		
26 Dec	S17W31	239	30	4	Cro	9	B	1										
								1	0	0		0	0	0	0	0	0	

Still on Disk.
Absolute heliographic longitude: 239



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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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