

Solar activity was at low to high levels this period. High levels were observed on 22 January with seven R1 (minor) flares observed from Regions 3559 (N27, L=288, class/area Fki/520 on 23 Jan) and 3561 (S17, L=327, class/area Dac/220 on 23 Jan). The largest of these flares was an M3.4 from Region 3461 at 22/2121 UTC. On 23 January, nine R1 (minor) and one R2 (moderate) flares were observed from Regions 3559 and 3561. The largest flare was an R2 (moderate) M5.1 from region 3559 at 23/0331 UTC. Moderate levels were observed on 24 January with four R1 (minor) flares observed, the largest an M2.6 from Region 3561 at 24/0140 UTC. Low levels were observed on 25-28 January. A Type II radio sweep, with a speed of 648 km/s, was observed at 28/0228 UTC. Location of this was suspected to be from a region behind the ENE limb.

No 10 MeV proton events were observed at geosynchronous orbit. An enhancement of 7.14 pfu was observed at 22/1655 UTC, most likely from R1 (minor) flare activity from Region 3559.

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

Geomagnetic field activity was mostly quiet with isolated unsettled and active periods due to weak CME activity on 22-24 Jan and initial influence from a negative polarity CH HSS late on 28 Jan.

**Space Weather Outlook**  
**29 January - 24 February 2024**

Solar activity is expected to be low to moderate (R1-R2/Minor-Moderate) levels on 29-31 Jan due primarily to the flare potential of Region 3559. Low levels are expected on 01-11 Feb. An increased chance for moderate (R1-R2/Minor-Moderate) levels is possible on 12-24 Feb as Region 3559 rotates back onto the visible disk.

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 01-03 Feb due to CH HSS influence. Low to moderate levels are expected from 28-31 Jan and 04-24 Feb.

Geomagnetic field activity is expected to be at unsettled to isolated active periods on 29-31 Jan and 05-06 Feb due to recurrent CH HSS activity. Mostly quiet levels are expected on 01-04 and 07 -24 Feb.



### *Daily Solar Data*

Date	Radio Flux 10.7cm	Sun spot No.	Sunspot Area (10 <sup>-6</sup> hemi.)	X-ray Background Flux	Flares							
					X-ray			Optical				
					C	M	X	S	1	2	3	4
22 January	196	139	870	C1.9	7	6	0	13	2	0	0	0
23 January	180	123	1130	C2.1	14	8	0	1	1	0	0	0
24 January	172	108	850	C1.5	11	4	0	12	0	0	0	0
25 January	161	101	630	C1.0	9	0	0	2	0	0	0	0
26 January	157	97	860	C1.0	6	0	0	4	0	0	0	0
27 January	148	52	440	C1.0	2	0	0	1	0	0	0	0
28 January	141	75	440	B9.7	6	0	0	3	0	0	0	0

### *Daily Particle Data*

Date	Proton Fluence (protons/cm <sup>2</sup> -day -sr)		Electron Fluence (electrons/cm <sup>2</sup> -day -sr)
	>1 MeV	>10 MeV	>2MeV
	22 January	9.8e+07	2.2e+05
23 January	9.8e+07	4.5e+04	1.4e+06
24 January	1.4e+07	2.0e+04	1.2e+06
25 January	5.9e+06	1.8e+04	1.2e+06
26 January	1.8e+06	1.8e+04	1.1e+06
27 January	7.4e+05	1.8e+04	1.2e+06
28 January	1.3e+06	1.8e+04	1.2e+06

### *Daily Geomagnetic Data*

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	22 January	6	0-1-1-1-1-2-3-3	6	0-0-1-2-3-2-2-2	9
23 January	5	2-2-1-1-2-1-1-1	7	2-2-2-3-2-1-1-1	7	2-3-2-1-2-1-1-2
24 January	7	3-2-3-1-2-2-0-1	8	2-3-3-3-3-0-0-0	10	4-3-3-2-2-1-1-1
25 January	4	0-1-1-1-2-1-2-1	6	0-0-0-1-4-3-1-0	6	1-1-1-2-2-2-2-2
26 January	4	0-1-0-1-2-2-2-2	3	0-0-0-1-3-1-1-1	6	1-1-0-1-3-2-2-2
27 January	4	2-2-1-1-1-1-1-1	4	1-1-3-2-1-0-0-0	5	3-1-1-1-1-1-1-1
28 January	5	1-1-1-1-2-2-2-2	6	0-0-1-4-2-1-1-2	5	1-1-2-2-2-2-3-3

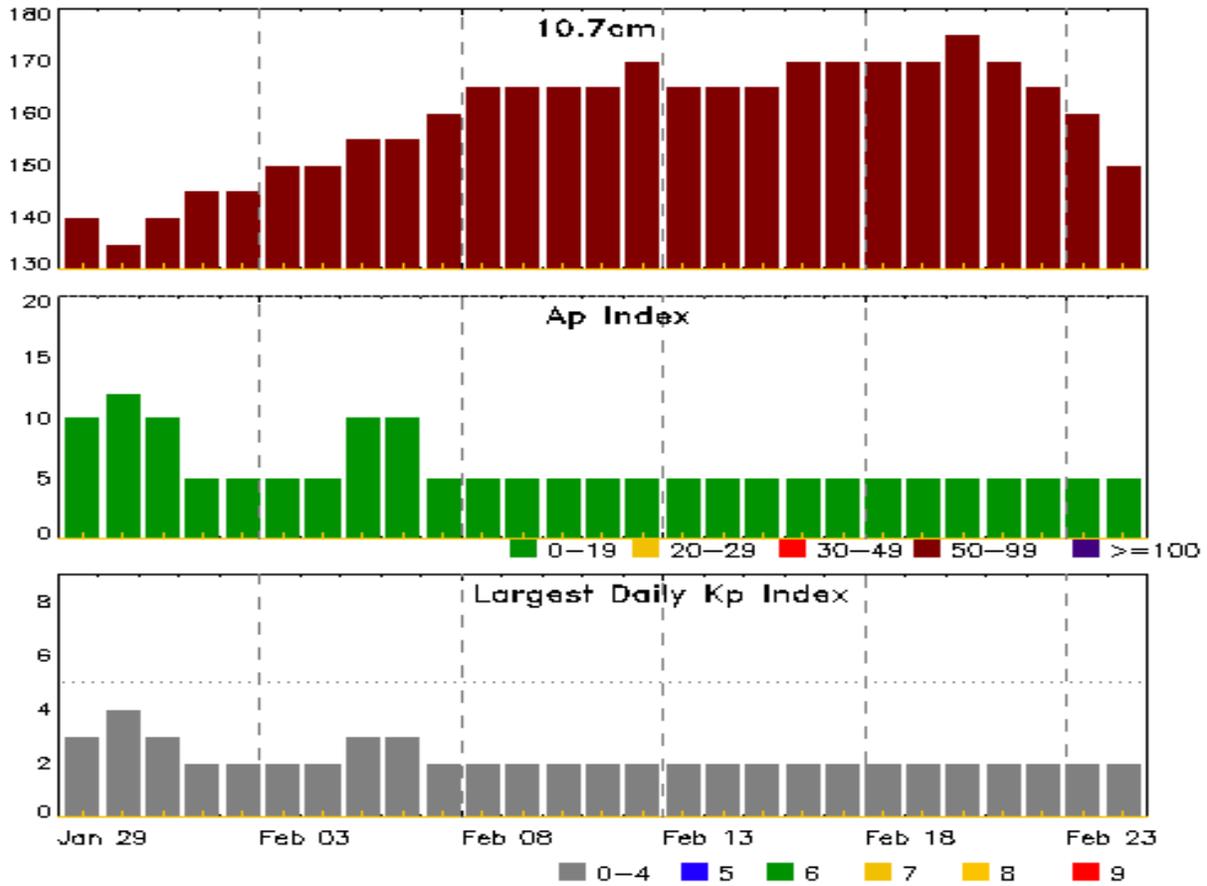


## *Alerts and Warnings Issued*

<b>Date &amp; Time of Issue UTC</b>	<b>Type of Alert or Warning</b>	<b>Date &amp; Time of Event UTC</b>
22 Jan 1419	WARNING: Proton 10MeV Integral Flux > 10pfu	22/1418 - 2359
22 Jan 1633	WARNING: Geomagnetic K = 4	22/1632 - 23/0600
22 Jan 1804	WATCH: Geomagnetic Storm Category G1 predicted	
22 Jan 2324	ALERT: Geomagnetic K = 4	
23 Jan 0334	ALERT: X-ray Flux exceeded M5	23/0333
23 Jan 0355	SUMMARY: X-ray Event exceeded M5	23/0309 - 0338
23 Jan 1729	WATCH: Geomagnetic Storm Category G1 predicted	
24 Jan 0242	WARNING: Geomagnetic K = 4	24/0241 - 0900
24 Jan 0245	ALERT: Geomagnetic K = 4	
24 Jan 0840	EXTENDED WARNING: Geomagnetic K = 4	24/0241 - 1500
24 Jan 1943	WATCH: Geomagnetic Storm Category G1 predicted	
27 Jan 1021	CANCELLATION: Geomagnetic Storm Category G1 predicted	
28 Jan 0320	ALERT: Type II Radio Emission	28/0228



## 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
29 Jan	140	10	3	12 Feb	170	5	2
30	135	12	4	13	165	5	2
31	140	10	3	14	165	5	2
01 Feb	145	5	2	15	165	5	2
02	145	5	2	16	170	5	2
03	150	5	2	17	170	5	2
04	150	5	2	18	170	5	2
05	155	10	3	19	170	5	2
06	155	10	3	20	175	5	2
07	160	5	2	21	170	5	2
08	165	5	2	22	165	5	2
09	165	5	2	23	160	5	2
10	165	5	2	24	150	5	2
11	165	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
22 Jan	0609	0622	0630	M1.5	0.002	1N	N29E27		3559			110
22 Jan	1928	1932	1936	M1.2	0.006				3559			
22 Jan	1943	1947	1953	M2.0	0.010	1F	S15W30		3561			
22 Jan	2114	2121	2132	M3.4	0.021				3561			
22 Jan	2136	2143	2158	M1.6	0.019				3561			
22 Jan	2219	2222	2226	M2.1	0.006				3561			
23 Jan	0309	0331	0338	M5.1	0.041				3559	440		140
23 Jan	0752	0811	0818	M2.4	0.006				3561			
23 Jan	0818	0822	0826	M2.3	0.010	1F	S19W37		3561			
23 Jan	1303	1308	1313	M1.0	0.006				3559			
23 Jan	1445	1459	1505	M1.3	0.013				3561			
23 Jan	1636	1640	1647	M4.3	0.019				3561			
23 Jan	1835	1844	1849	M1.1	0.009				3561			
23 Jan	1957	2001	2005	M1.0	0.001				3561			
24 Jan	0021	0038	0043	M1.0	0.011				3561			
24 Jan	0131	0140	0153	M2.6	0.025	SF	S20W48		3561			100
24 Jan	0518	0543	0600	M1.4	0.025				3561			
24 Jan	2044	2058	2111	M1.3	0.012				3561			

### *Flare List*

Date	Time			X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
	Begin	Max	End				
22 Jan	0026	0032	0048	C2.9	SF	N25E32	3559
22 Jan	0134	0147	0217	C6.5	SF	N26E23	3559
22 Jan	0312	0312	0317		SF	N23E18	3559
22 Jan	0359	0414	0430	C5.3			3559
22 Jan	0609	0622	0630	M1.5	1N	N29E27	3559
22 Jan	0636	0636	0638		SF	N29E27	3559
22 Jan	0639	0639	0640		SF	N29E27	3559
22 Jan	0642	0643	0644		SF	N29E27	3559
22 Jan	0646	0647	0648		SF	N29E27	3559
22 Jan	0652	0652	0700		SF	N31E28	3559
22 Jan	0656	0724	0744		SF	N30E28	3559
22 Jan	0717	0728	0737	C5.2			3559
22 Jan	0817	0825	0833	C5.8	SF	N28E24	3559



## *Flare List*

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/Brtns	Location Lat CMD	Rgn #
22 Jan	1042	1046	1049		SF	S10E17	3560
22 Jan	1112	1127	1144	C7.0	SF	N28E25	3559
22 Jan	1201	1203	1235		SF	N29E26	3559
22 Jan	1628	1649	1659	C7.0			3559
22 Jan	1843	1946	2029		1F	S15W30	3561
22 Jan	1928	1932	1936	M1.2			3559
22 Jan	1943	1947	1953	M2.0			3561
22 Jan	2114	2121	2132	M3.4			3561
22 Jan	2136	2143	2158	M1.6			3561
22 Jan	2219	2222	2226	M2.1			3561
23 Jan	0012	0015	0023	C8.9			3561
23 Jan	0255	0302	0309	C5.4			3559
23 Jan	0309	0331	0338	M5.1			3559
23 Jan	0434	0441	0448	C3.6			3561
23 Jan	0631	0640	0645	C7.0			3561
23 Jan	0635	0706	0721	C9.6	SF	S19W35	3561
23 Jan	0752	0811	0818	M2.4			3561
23 Jan	0755	0824	0834	M2.3	1F	S19W37	3561
23 Jan	0917	0930	0936	C6.2			3559
23 Jan	0959	1004	1008	C3.7			3561
23 Jan	1100	1107	1126	C3.6			3559
23 Jan	1152	1201	1212	C2.6			3361
23 Jan	1303	1308	1313	M1.0			3559
23 Jan	1427	1438	1445	C9.5			3561
23 Jan	1445	1459	1505	M1.3			3561
23 Jan	1614	1633	1636	C7.6			3559
23 Jan	1636	1640	1647	M4.3			3561
23 Jan	1732	1739	1752	C7.3			3561
23 Jan	1835	1844	1849	M1.1			3561
23 Jan	1920	1935	1945	C9.1			3561
23 Jan	1957	2001	2005	M1.0			3561
23 Jan	2057	2107	2118	C4.8			3159
24 Jan	0021	0038	0043	M1.0			3561
24 Jan	0043	0050	0055	C9.0			3561
24 Jan	0131	0140	0153	M2.6	SF	S20W48	3561
24 Jan	0428	0437	0441	C3.9			3561
24 Jan	0442	0449	0457	C3.7			3561
24 Jan	0518	0543	0600	M1.4			3561



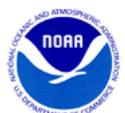
## *Flare List*

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
24 Jan	0629	0645	0702	C6.1	SF	S18W47	3561
24 Jan	0717	0718	0726		SF	N30E05	3559
24 Jan	0814	0817	0824		SF	S16W53	3561
24 Jan	0855	0906	0912	C3.7	SF	N30E05	3559
24 Jan	0905	0905	0910		SF	S16W53	3561
24 Jan	1003	1018	1029	C4.4	SF	S17W50	3561
24 Jan	1025	1032	1046	C4.2	SF	N29E02	3559
24 Jan	1209	1223	1237	C5.9	SF	S17W54	3561
24 Jan	B1219	U1219	A1236		SF	N27W10	3559
24 Jan	1244	1257	1314	C6.8	SF	S17W52	3561
24 Jan	1420	1421	1429		SF	S17W54	3561
24 Jan	1551	1558	1604	C2.4			
24 Jan	1926	1943	1949	C5.8			3561
24 Jan	2044	2058	2111	M1.3			3561
25 Jan	0302	0310	0316	C2.0			3561
25 Jan	0620	0629	0645	C1.5			3561
25 Jan	0933	0938	0944	C2.3	SF	S13W56	3561
25 Jan	1041	1054	1111	C3.4			3561
25 Jan	1352	1410	1422	C4.2	SF	N22W27	3559
25 Jan	1454	1508	1517	C5.1			3559
25 Jan	1517	1522	1526	C5.5			3561
25 Jan	2145	2153	2159	C2.7			3561
25 Jan	2233	2243	2250	C4.8			3561
26 Jan	0023	0033	0042	C9.0			3561
26 Jan	0327	0331	0336	C1.8			3561
26 Jan	0450	0459	0508	C9.0			3561
26 Jan	0723	0723	0727		SF	S14W36	3560
26 Jan	1440	1440	1443		SF	S13W56	3561
26 Jan	1703	1711	1715	C2.3			3561
26 Jan	1809	1810	1811	C2.0	SF	N24W45	3559
26 Jan	2000	2024	2034	C3.0	SF	S08W45	3560
27 Jan	0635	0635	0637		SF	S12W53	3560
27 Jan	0930	0941	0951	C2.0			3561
27 Jan	1028	1039	1047	C2.9			3561
28 Jan	0936	1017	1038	C3.3			
28 Jan	1149	1157	1254	C2.8	SF	S13W72	3557
28 Jan	1317	U1317	A1413		SF	S13W72	3557
28 Jan	1518	1529	1538	C3.2	SF	N27W59	3559



## *Flare List*

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
28 Jan	1552	1600	1622	C3.0			3359
28 Jan	2230	2236	2244	C1.5			3364
28 Jan	2322	2334	2343	C3.4			





## Region Summary

Date	Location		Sunspot Characteristics				Flares																
	Lat CMD	Lon	Helio 10 <sup>-6</sup> hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical											
									C	M	X	S	1	2	3	4							
<b>Region 3545</b>																							
09 Jan	S06E67		42	190	3	Hax	1	A															
10 Jan	S06E52		44	190	3	Hax	1	A															
11 Jan	S06E40		43	150	3	Hsx	1	A															
12 Jan	S07E30		39	160	7	Cho	4	B															
13 Jan	S06E17		39	250	6	Cho	3	B					1										
14 Jan	S06E02		41	250	6	Cho	4	B	2														
15 Jan	S06W10		39	290	10	Cko	10	B															
16 Jan	S07W26		41	110	3	Hax	2	A					1										
17 Jan	S07W39		42	120	3	Cao	2	B															
18 Jan	S07W51		41	180	3	Hax	2	A															
19 Jan	S06W66		42	180	3	Hax	2	A															
20 Jan	S06W79		43	130	3	Hax	2	A															
21 Jan	S06W91		42	120	3	Hsx	1	A															
									2	0	0		2	0	0	0	0	0					

Crossed West Limb.

Absolute heliographic longitude: 41

<b>Region 3548</b>																							
12 Jan	N12E41		28	90	4	Dso	5	B	2														
13 Jan	N12E28		28	70	4	Dao	5	B															
14 Jan	N12E14		29	40	4	Cao	5	B															
15 Jan	N12W00		30	30	4	Cao	2	B															
16 Jan	N02W19		33	10	1	Axx	1	A															
17 Jan	N15W24		28	10	2	Bxo	3	B															
18 Jan	N15W38		28	plage																			
19 Jan	N15W52		29	plage																			
20 Jan	N15W66		30	plage																			
21 Jan	N15W80		31	plage																			
									2	0	0		0	0	0	0	0	0					

Crossed West Limb.

Absolute heliographic longitude: 30



**Region Summary - continued**

Date	Location		Sunspot Characteristics				Flares														
	Lat CMD	Lon	Helio 10 <sup>6</sup> hemi.	Area	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical									
									C	M	X	S	1	2	3	4					
<b>Region 3549</b>																					
12 Jan	S20E62		7	140	5	Dso	3	B													
13 Jan	S21E50		6	180	5	Dsi	7	B													
14 Jan	S21E36		7	250	6	Chi	7	B	2				1								
15 Jan	S17E23		6	240	6	Cso	8	B													
16 Jan	S21E10		5	180	6	Cso	7	B	1				1								
17 Jan	S22W01		4	180	6	Cso	5	B					1								
18 Jan	S21W14		4	200	4	Cao	5	B													
19 Jan	S21W28		5	200	4	Cao	3	B													
20 Jan	S21W41		5	180	3	Cso	3	B													
21 Jan	S21W55		6	170	2	Hsx	1	A	1												
22 Jan	S17W69		6	160	3	Hsx	1	A													
23 Jan	S22W82		7	170	2	Hsx	1	A													
									4	0	0		3	0	0	0	0	0			

Crossed West Limb.  
Absolute heliographic longitude: 4

<b>Region 3551</b>																					
12 Jan	N25E50		19	10	7	Bxo	3	B													
13 Jan	N26E39		17	10	3	Bxo	3	B													
14 Jan	N26E25		18	10	3	Bxo	3	B													
15 Jan	N26E11		19	plage																	
16 Jan	N26W03		20	plage																	
17 Jan	N28W12		18	30	1	Hsx	2	A													
18 Jan	N26W24		15	plage																	
19 Jan	N26W36		13	20	2	Bxo	3	B													
20 Jan	N26W50		14	plage																	
21 Jan	N26W64		15	plage																	
22 Jan	N26W78		16	plage																	
									0	0	0		0	0	0	0	0	0			

Crossed West Limb.  
Absolute heliographic longitude: 20





**Region Summary - continued**

Date	Location		Sunspot Characteristics				Flares									
	Lat	CMD	Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
			Lon	10 <sup>-6</sup> hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
<b>Region 3555</b>																
15 Jan	S11E72		318	40	7	Dao	3	B								
16 Jan	S11E56		319	80	8	Dso	2	B								
17 Jan	S10E45		318	180	5	Dso	4	BG								
18 Jan	S11E31		319	160	9	Dai	8	B								
19 Jan	S11E16		321	150	9	Dai	8	B								
20 Jan	S12E04		320	150	10	Cso	6	B	1							
21 Jan	S12W09		320	110	5	Cso	5	B								
22 Jan	S12W26		321	80	3	Hsx	2	A								
23 Jan	S12W38		323	80	3	Cao	3	B								
24 Jan	S12W53		324	60	3	Cao	4	B								
25 Jan	S12W67		325	60	3	Cao	2	B								
26 Jan	S26W81		326	140	3	Cao	3	B								
									1	0	0	0	0	0	0	0

Crossed West Limb.  
 Absolute heliographic longitude: 320

<b>Region 3556</b>																
16 Jan	N16E62		313	70	2	Hsx	1	A								
17 Jan	N17E52		311	80	1	Hsx	1	A								
18 Jan	N16E39		311	90	2	Hax	2	A								
19 Jan	N16E25		312	90	2	Hax	2	A								
20 Jan	N15E12		312	90	2	Hax	1	A								
21 Jan	N15W01		312	70	2	Hax	1	A								
22 Jan	N17W16		313	40	5	Hax	2	A								
23 Jan	N16W29		314	30	1	Hrx	2	A								
24 Jan	N16W44		315	30	1	Hrx	1	A								
25 Jan	N16W58		316	10	1	Axx	1	A								
26 Jan	N16W72		317	plage												
27 Jan	N16W86		318	plage												
									0	0	0	0	0	0	0	0

Crossed West Limb.  
 Absolute heliographic longitude: 312



**Region Summary - continued**

Date	Location		Sunspot Characteristics					Flares							
	Lat CMD	Lon	Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical			
			10 <sup>6</sup>	hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3
<b>Region 3557</b>															
16 Jan	S13E74	57	10	2	Hax	1	A								
17 Jan	S13E60	60	plage												
18 Jan	S13E46	304	plage												
19 Jan	S13E32	305	plage												
20 Jan	S13E18	306	plage												
21 Jan	S13E04	307	plage												
22 Jan	S13W10	308	plage												
23 Jan	S13W24	309	plage												
24 Jan	S13W39	310	plage												
25 Jan	S13W53	311	plage												
26 Jan	S13W67	312	plage												
27 Jan	S13W81	313	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.  
 Absolute heliographic longitude: 307

<b>Region 3559</b>															
18 Jan	N27E60	290	160	10	Dso	3	B								
19 Jan	N26E46	291	170	10	Dao	6	B								
20 Jan	N27E35	289	220	14	Eai	22	B	5							
21 Jan	N27E22	289	300	18	Fkc	28	BG	12			10	1			
22 Jan	N27E11	287	360	20	Fkc	32	BG	7	2		12	1			
23 Jan	N27W03	288	520	20	Fki	20	BG	4	2						
24 Jan	N27W18	289	480	20	Fki	20	BG	2			4				
25 Jan	N27W32	290	400	23	Fki	15	BG	2			1				
26 Jan	N25W46	291	480	16	Fki	17	BG	1			1				
27 Jan	N26W56	288	310	16	Fki	14	BG								
28 Jan	N26W70	289	280	16	Fko	11	BG	1			1				
								34	4	0	29	2	0	0	0

Still on Disk.  
 Absolute heliographic longitude: 288



**Region Summary - continued**

Date	Location		Sunspot Characteristics				Flares											
	Lat CMD	Helio Lon	Area 10 <sup>-6</sup> hemi.	Extent (helio)	Spot Class	Spot Count	Mag Class	X-ray			Optical							
								C	M	X	S	1	2	3	4			
<b>Region 3560</b>																		
18 Jan	S11E66	284	20	1	Hrx	1	A											
19 Jan	S11E52	285	10	1	Axx	1	A											
20 Jan	S10E35	289	40	6	Bxi	8	B	3										
21 Jan	S10E22	289	60	8	Cri	10	B					1						
22 Jan	S11E08	289	40	8	Cao	4	B					1						
23 Jan	S10W06	291	80	9	Cao	8	B											
24 Jan	S10W21	292	70	7	Cao	4	B											
25 Jan	S10W35	293	50	7	Cao	4	B											
26 Jan	S22W48	293	40	5	Dai	8	B	1				2						
27 Jan	S11W61	293	120	6	Dai	6	B					1						
28 Jan	S11W75	294	130	6	Dai	7	B											
								4	0	0	5	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 291

**Region 3561**

19 Jan	S16E11	326	20	4	Cao	4	B											
20 Jan	S16W03	327	80	5	Dao	6	B											
21 Jan	S16W16	327	90	7	Dri	8	B	1										
22 Jan	S15W28	325	90	6	Dai	14	B		4			1						
23 Jan	S17W42	327	220	9	Dac	18	BG	8	6			1	1					
24 Jan	S17W57	328	200	9	Dac	18	BG	8	4			8						
25 Jan	S17W71	329	100	9	Dac	18	BG	7				1						
26 Jan	S17W85	330	180	5	Dac	6	BG	4				1						
								28	14	0	11	2	0	0	0	0		

Crossed West Limb.

Absolute heliographic longitude: 327

**Region 3562**

20 Jan	S09W14	338	30	3	Cro	5	B											
21 Jan	S08W27	338	110	5	Dao	5	B											
22 Jan	S09W42	339	90	4	Dao	3	B											
23 Jan	S08W54	339	30	2	Cro	1	B											
24 Jan	S08W69	340	10	1	Axx	1	A											
25 Jan	S08W83	341	10	1	Axx	1	A											
26 Jan	S08W97	342	10	1	Axx	1	A											
								0	0	0	0	0	0	0	0	0	0	

Crossed West Limb.

Absolute heliographic longitude: 338



### *Region Summary - continued*

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

#### *Region 3563*

26 Jan	S06E32	213	10	2	Bxo	2	B										
27 Jan	S06E17	215	10	2	Bxo	2	B										
28 Jan	S07E03	215	10	3	Bxo	5	B										
								0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 215

#### *Region 3564*

28 Jan	S09E54	165	10	1	Axx	1	A										
								0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 165

#### *Region 3565*

28 Jan	N07E62	155	10	2	Hrx	1	A										
								0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 155



## ***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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