

Solar activity reached high levels on 02-04 Feb, moderate levels on 05 and 08 Feb, and low levels on 06-07 Feb. The flare activity was dominated by Region 4366 (N14, L=204, class/area Fkc/1100 on 03 Feb). This region produced 31 C-class flares, 38 M-class (R1/R2-Minor/Moderate), and four X-class (R3-Strong) flares. The X-class flares included: an X2.8 at 02/0036 UTC, an X1.6 at 02/0814 UTC, an X1.5 at 03/1408 UTC, and an X4.2 at 04/1213 UTC. Region 4366 also added four M-class flares that were greater than the M5 level. These included: an M5.2 at 02/0251 UTC, an M6.7 at 02/1124 UTC, an M7.2/1n at 03/0701 UTC, and an M7.2 at 03/1456 UTC. The remaining 34 M-class flares produced by Region 4366 were at the R1/R2 levels, ranging from M1.1 to M4.9. Surprisingly, very few radio emissions were observed in association with the increased flare activity. There were only three F10.7 cm radio bursts recorded during the week. The first was a burst of 140 sfu associated with the X1.5 flare at 03/1408 UTC, second was a 110 sfu burst that accompanied the M2.2 flare at 05/1934 UTC, and last, a 440 sfu burst that coincided with the M2.7 flare at 08/1353 UTC. The only other radio signature of note was a Type II radio sweep that was detected by USAF observatories starting at about 02/0000 UTC, with an estimated velocity of 955 km/s. No other radio signatures were noted. Other activity included a large, slow moving filament eruption centered near N18W30 that began at 03/0400 UTC as seen in SUVI 304 imagery. An associated CME was observed off the NW limb at 03/1836 UTC. There was another narrow eruption noted off the NE, first visible in SOHO/LASCO C2 imagery at 04/1426 UTC. This event was likely a sympathetic eruption triggered by the X4.2, starting at approximately 04/1350 UTC near N15W22 between Regions 4366 and 4367 (N09, L=174, class/area Cao/50 on 03 Feb). There is a slight potential of minor glancing blows from these eruptions early on 09 Feb. A coronal mass ejection was observed off the south/southwest limb in SOHO/LASCO C2 imagery at 05/1548 UTC. The source is likely associated with an M1.8/1N flare from Region 4362 (S17, L=207, class/area Dao/50 on 07 Feb) that peaked at 05/1513 UTC. Surface signatures in SUVI 284 imagery showed a faint southerly deflected EUV wave. Model output suggests a glancing effect late on 08 Feb to early on 09 Feb.

No proton events were observed at geosynchronous orbit on 02-08 Feb.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels on 02, 03, 04, and 08 Feb, with a peak flux value of 13,970 pfu at 04/1605 UTC.

Geomagnetic field activity reached G1 (Minor) storm levels on 05 Feb following the arrival of a CME from an X8.1 flare that originated from Region 4366 at 01/2357 UTC. Conditions were at quiet to unsettled levels on 02-03 Feb and for the first half of 04 Feb before increasing to active levels following the onset of a negative polarity coronal hole (CH) high speed stream (HSS). Quiet to active conditions were observed on 06-07 Feb with combined influence from a negative polarity CH HSS and a possible passing transient. Quiet to unsettled levels returned by 08 Feb as -CH HSS effects lingered.



Space Weather Outlook 09 February - 07 March 2026

Solar activity is expected to continue at moderate levels with further M-class (R1-R2, Minor-Moderate) flares expected and a chance for X-class (R3-Strong or greater) on 09-10 Feb as Region 4366 transits the western limb. Low levels, with a chance for M-class flares, are expected on 11-22 Feb. An increase to moderate to high levels is once again likely on 23-28 Feb as Region 4366 returns to the visible disk. Conditions should again return to low to moderate levels on 01-07 Mar as old Region 4366 rotates to the far side once again.

There is a chance for the 10 MeV proton flux to reach S1-S2 (Minor-Moderate) storm levels through 12 Feb as Region 4366 transits the visible disk and beyond. Levels are likely to be below the S1 (Minor) level on 12-22 Feb. An increase to above the S1 (Minor) storm levels 23-28 Feb is possible as Region 4366 returns to the visible disk. Chances decrease on 01-07 Mar as old Region 4366 rotates to the far side once again.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at high levels on 09-10 Feb, 16-21 Feb, 24-25 Feb, and 05-07 Mar as CH HSS influence sporadically continue.

Geomagnetic field activity is expected to be at unsettled to active levels on 09-10 Feb as CH HSS influence decreases. Barring the potential for CME activity, mostly quiet to unsettled levels are expected from 11-15 Feb, 22-23 Feb, and 26 Feb - 04 Mar. Unsettled to active levels are likely on 16-21 Feb, 24-25 Feb, and 05-07 Mar due to recurrent negative polarity CH HSS effects.



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
02 February	174	131	1020	C6.7	1	15	2	0	1	1	0	0
03 February	178	171	1385	C2.2	5	11	1	5	6	0	0	0
04 February	167	166	1340	C1.5	6	12	1	5	2	1	0	0
05 February	176	139	1430	C1.9	13	9	0	6	3	0	0	0
06 February	164	132	1510	C1.2	12	0	0	7	1	0	0	0
07 February	169	128	1560	C1.5	6	0	0	0	0	0	0	0
08 February	167	118	1470	C2.0	6	3	0	8	4	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	
	02 February	8.8e+06	1.5e+04	2.9e+08
03 February	1.1e+07	1.5e+04	3.8e+08	
04 February	2.1e+07	1.4e+04	1.9e+08	
05 February	2.3e+06	1.4e+04	1.6e+07	
06 February	9.8e+05	1.5e+04	1.8e+07	
07 February	5.1e+05	1.6e+04	7.0e+07	
08 February	3.0e+05	1.5e+04	7.8e+07	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
	02 February	4	2-2-1-1-1-2-1-0	3	0-1-2-2-1-0-0-0	6
03 February	3	1-1-0-1-2-1-2-0	4	0-0-2-3-0-1-2-0	5	2-2-1-1-1-1-2-1
04 February	8	0-1-1-1-2-4-2-3	10	0-0-0-2-2-5-2-2	11	1-1-1-1-2-4-3-4
05 February	15	3-4-4-3-3-2-2-1	23	3-5-4-2-5-3-3-2	22	4-5-5-3-3-1-2-1
06 February	14	0-1-2-3-4-4-3-3	32	1-2-1-5-6-5-5-3	16	1-2-2-3-4-4-4-3
07 February	11	3-3-3-2-2-2-2-3	18	3-3-4-4-3-3-4-1	15	4-3-3-3-2-3-3-4
08 February	5	2-2-1-1-2-1-1-2	6	2-2-0-3-2-1-1-2	12	3-2-1-1-1-1-2-3



Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
02 Feb 0021	SUMMARY: X-ray Event exceeded X1	01/2344 - 02/0004
02 Feb 0120	SUMMARY: X-ray Event exceeded X1	02/0031 - 0040
02 Feb 0252	ALERT: X-ray Flux exceeded M5	02/0249
02 Feb 0309	SUMMARY: X-ray Event exceeded M5	02/0245 - 0259
02 Feb 0500	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	21/0950
02 Feb 0758	ALERT: X-ray Flux exceeded M5	02/0754
02 Feb 0849	SUMMARY: X-ray Event exceeded X1	02/0739 - 0842
02 Feb 1031	WATCH: Geomagnetic Storm Category G1 predicted	
02 Feb 1123	ALERT: X-ray Flux exceeded M5	02/1121
02 Feb 1143	SUMMARY: X-ray Event exceeded M5	02/1115 - 1131
03 Feb 0459	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	21/0950
03 Feb 0702	ALERT: X-ray Flux exceeded M5	03/0700
03 Feb 0725	SUMMARY: X-ray Event exceeded M5	03/0643 - 0719
03 Feb 1411	ALERT: X-ray Flux exceeded M5	03/1407
03 Feb 1428	SUMMARY: X-ray Event exceeded X1	03/1358 - 1418
03 Feb 1458	ALERT: X-ray Flux exceeded M5	03/1455
03 Feb 1510	SUMMARY: X-ray Event exceeded M5	03/1445 - 1503
03 Feb 1646	WATCH: Geomagnetic Storm Category G1 predicted	
04 Feb 0927	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	21/0950
04 Feb 1212	ALERT: X-ray Flux exceeded M5	04/1209
04 Feb 1239	SUMMARY: X-ray Event exceeded X1	04/1202 - 1218
04 Feb 1433	WARNING: Geomagnetic Sudden Impulse expected	04/1505 - 1535
04 Feb 1508	WARNING: Geomagnetic K = 4	04/1515 - 2359
04 Feb 1535	SUMMARY: Geomagnetic Sudden Impulse	04/1506
04 Feb 1700	ALERT: Geomagnetic K = 4	
04 Feb 2312	EXTENDED WARNING: Geomagnetic K = 4	04/1515 - 05/1200
05 Feb 0259	WARNING: Geomagnetic K = 5	05/0300 - 0900

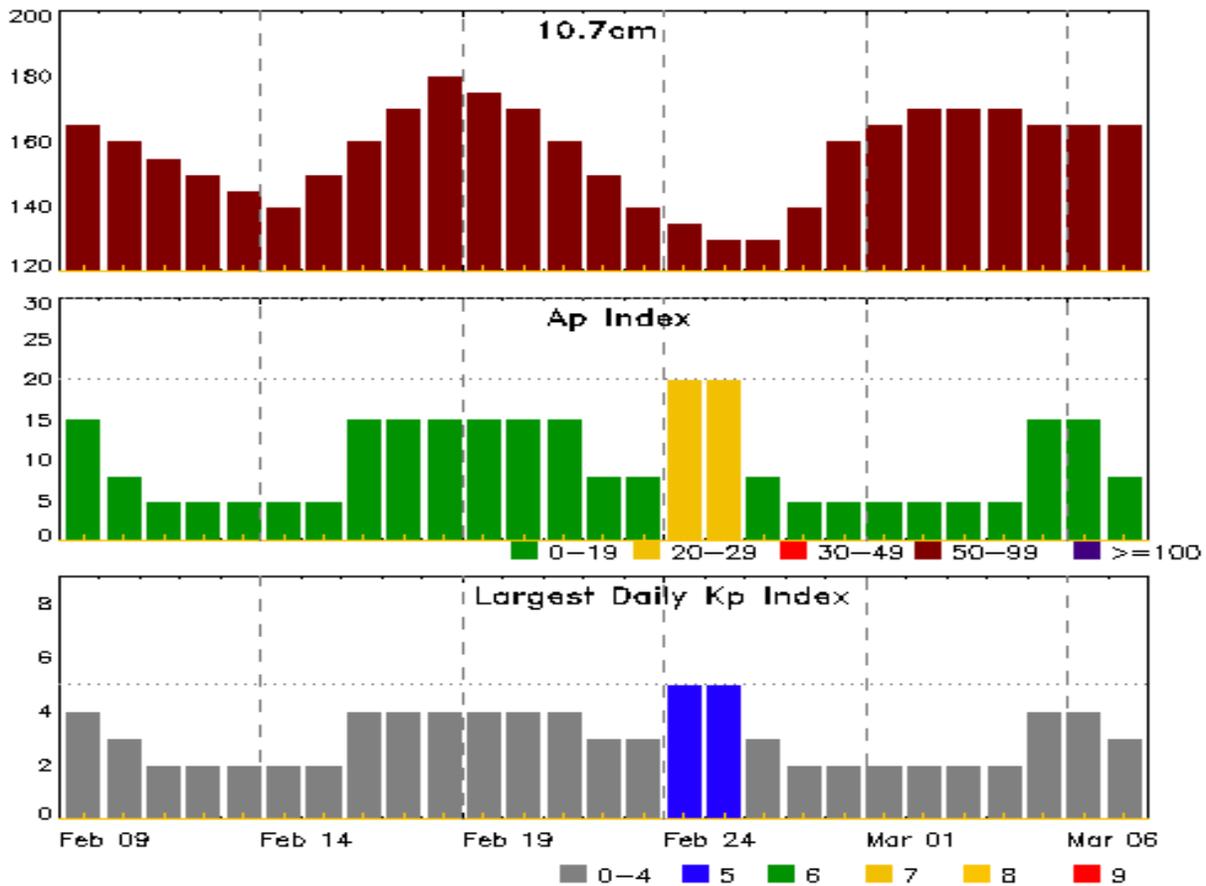


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
05 Feb 0433	ALERT: Geomagnetic K = 5	
05 Feb 0854	EXTENDED WARNING: Geomagnetic K = 5	05/0300 - 1500
05 Feb 0854	EXTENDED WARNING: Geomagnetic K = 4	04/1515 - 05/1800
05 Feb 1551	WATCH: Geomagnetic Storm Category G1 predicted	
06 Feb 1254	WARNING: Geomagnetic K = 4	06/1253 - 2359
06 Feb 1501	ALERT: Geomagnetic K = 4	
06 Feb 1744	WARNING: Geomagnetic K = 5	06/1744 - 2359
06 Feb 2351	EXTENDED WARNING: Geomagnetic K = 4	06/1253 - 07/0900
07 Feb 0848	EXTENDED WARNING: Geomagnetic K = 4	06/1253 - 07/2359
07 Feb 1418	ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1340
07 Feb 2125	EXTENDED WARNING: Geomagnetic K = 4	06/1253 - 08/1200
08 Feb 1157	CONTINUED ALERT: Electron 2MeV Integral Flux \geq 1000pfu	07/1340
08 Feb 1402	SUMMARY: 10cm Radio Burst	08/1350 - 1353



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
09 Feb	165	15	4	23 Feb	140	8	3
10	160	8	3	24	135	20	5
11	155	5	2	25	130	20	5
12	150	5	2	26	130	8	3
13	145	5	2	27	140	5	2
14	140	5	2	28	160	5	2
15	150	5	2	01 Mar	165	5	2
16	160	15	4	02	170	5	2
17	170	15	4	03	170	5	2
18	180	15	4	04	170	5	2
19	175	15	4	05	165	15	4
20	170	15	4	06	165	15	4
21	160	15	4	07	165	8	3
22	150	8	3				



Energetic Events

Date	Time			X-ray		Optical Information			Peak		Sweep Freq	
	Begin	Max	Half Max	Class	Integ Flux	Imp/ Brtns	Location	Rgn #	Radio Flux		Intensity	
							Lat CMD		245	2695	II	IV
02 Feb	0031	0036	0040	X2.8	0.120				4366			
02 Feb	0235	0242	0244	M4.4	0.020				4366			
02 Feb	0245	0251	0259	M5.2	0.042				4366			
02 Feb	0344	0346	0349	M1.9	0.007				4366			
02 Feb	0439	0447	0456	M3.0	0.023				4366			
02 Feb	0510	0516	0519	M1.6	0.013				4366			
02 Feb	0519	0527	0535	M2.3	0.022				4366			
02 Feb	0739	0814	0840	X1.6	0.380	2B	N14E30		4366	100		
02 Feb	1017	1024	1034	M1.9	0.018				4366			
02 Feb	1115	1124	1130	M6.7	0.040				4366			
02 Feb	1332	1339	1343	M1.1	0.007				4366			
02 Feb	1449	1501	1514	M4.0	0.036	1N	N13E25		4366			
02 Feb	1703	1710	1730	M2.3	0.030				4366			
02 Feb	1826	1829	1831	M2.3	0.006				4366			
02 Feb	1941	2005	2032	M2.9	0.069				4366	200		
02 Feb	2052	2108	2117	M3.3	0.038				4366			
02 Feb	2321	2327	2331	M2.5	0.011				4366			
03 Feb	0131	0149	0221	M1.5	0.035	1F	N12E23		4366			
03 Feb	0413	0422	0435	M1.7	0.015	1F	N12E20		4366	620		
03 Feb	0545	0555	0603	M2.6	0.016	SN	N12E16		4366			
03 Feb	0643	0701	0719	M7.2	0.074	1N	N12E16		4366	110		
03 Feb	0743	0747	0752	M3.6	0.019	1F	N12E15		4366			
03 Feb	0941	1012	1028	M3.6	0.061	1F	N14E14		4366			
03 Feb	1358	1408	1418	X1.5	0.094				4366		140	
03 Feb	1445	1456	1503	M7.2	0.056				4366			
03 Feb	1629	1636	1640	M2.1	0.014				4366			
03 Feb	1753	1808	1822	M2.5	0.036				4366			
03 Feb	2231	2250	2256	M2.0	0.023				4366			
03 Feb	2256	2309	2320	M3.4	0.045	SF	N14E12		4366			
04 Feb	0102	0110	0116	M1.2	0.009	1F	N12E05		4366			
04 Feb	0126	0139	0145	M1.4	0.018	SF	N12E06		4366			
04 Feb	0145	0155	0159	M1.4	0.013							
04 Feb	0222	0230	0232	M2.1	0.019				4366			
04 Feb	0232	0239	0255	M4.9	0.058	SF	N12E06		4366			
04 Feb	0348	0355	0402	M2.1	0.014	SF	N13E06		4366			
04 Feb	0912	0920	0923	M1.8	0.007				4366	130		
04 Feb	1010	1012	1015	M3.1	0.007	SF	N15E06		4366	1200		
04 Feb	1040	1046	1051	M1.5	0.010				4366			



Energetic Events

Date	Time			X-ray	Optical Information				Peak		Sweep Freq	
	Begin	Max	Half	Class	Integ Flux	Imp/ Brtns	Location	Rgn #	Radio Flux		Intensity	
			Max						245	2695	II	IV
04 Feb	1051	1055	1058	M1.5	0.008				4366			
04 Feb	1131	1135	1141	M1.1	0.007				4366			
04 Feb	1202	1213	1218	X4.2	0.200				4366			
04 Feb	1525	1534	1555	M1.8	0.021	2B	N12W04		4366			
05 Feb	0355	0421	0425	M2.5	0.036	SF	N15W09		4366			
05 Feb	0425	0436	0441	M2.7	0.029				4366			
05 Feb	0613	0619	0627	M1.3	0.010	SF	N15W09		4366	4800		
05 Feb	0819	0833	0838	M1.0	0.011	1F	N14W11		4366			
05 Feb	0838	0846	0850	M1.2	0.009	1F	N14W11		4366			
05 Feb	1259	1304	1309	M1.6	0.009				4366			
05 Feb	1508	1513	1520	M1.8	0.010	1N	S18W16		4362	1200		
05 Feb	1620	1630	1646	M1.6	0.016				4366			
05 Feb	1731	1741	1756	M1.5	0.017				4366			
05 Feb	1928	1934	1938	M2.2	0.009	1N	S17W18		4362	3400	110	
05 Feb	2210	2217	2220	M1.1	0.004	1N	S22W73		4372			
08 Feb	1113	1118	1121	M1.8	0.005	SF	N18W48		4366			
08 Feb	1132	1143	1159	M1.7	0.020				4366			
08 Feb	1346	1353	1357	M2.7	0.010				4366		440	

Flare List

Date	Time			X-ray Class	Imp/ Brtns	Location	Rgn #
	Begin	Max	End				
02 Feb	0000	0001	0335		3B	N14E32	4366
02 Feb	0031	0036	0040	X2.8			4366
02 Feb	0235	0242	0244	M4.4			4366
02 Feb	0245	0251	0259	M5.2			4366
02 Feb	0344	0346	0349	M1.9			4366
02 Feb	0439	0447	0456	M3.0			4366
02 Feb	0510	0516	0519	M1.6			4366
02 Feb	0519	0527	0535	M2.3			4366
02 Feb	B0654	U0814	A1442	X1.6	2B	N14E30	4366
02 Feb	1017	1024	1034	M1.9			4366
02 Feb	1115	1124	1130	M6.7			4366
02 Feb	1332	1339	1343	M1.1			4366
02 Feb	B1445	U1457	A1502	M4.0	1N	N13E25	4366



Flare List

Date	Time			X-ray Class	Optical		Rgn #
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	
02 Feb	1703	1710	1730	M2.3			4366
02 Feb	1826	1829	1831	M2.3			4366
02 Feb	1941	2005	2032	M2.9			4366
02 Feb	2052	2108	2117	M3.3			4366
02 Feb	2310	2319	2321	C7.2			4366
02 Feb	2321	2327	2331	M2.5			4366
03 Feb	0004	0005	0007		SF	N14E24	4366
03 Feb	0044	0049	0053	C7.8	SF	N14E24	4366
03 Feb	0118	0118	0123		SF	N12E23	4366
03 Feb	0131	0149	0221	M1.5	1F	N12E23	4366
03 Feb	0413	0422	0435	M1.7	1F	N12E20	4366
03 Feb	0545	0555	0603	M2.6	SN	N12E16	4366
03 Feb	0643	0701	0719	M7.2	1N	N12E16	4366
03 Feb	0743	0748	0758	M3.6	1F	N12E15	4366
03 Feb	B0824	U0837	A0857		1F	N14E20	4366
03 Feb	0941	1012	1028	M3.6	1F	N14E14	4366
03 Feb	1241	1249	1254	C4.0			4366
03 Feb	1358	1408	1418	X1.5			4366
03 Feb	1445	1456	1503	M7.2			4366
03 Feb	1629	1636	1640	M2.1			4366
03 Feb	1753	1808	1822	M2.5			4366
03 Feb	1926	1933	1936	C7.8			4366
03 Feb	2050	2057	2108	C7.9			4366
03 Feb	2133	2136	2141	C5.9			4366
03 Feb	2231	2250	2256	M2.0			4366
03 Feb	2256	2309	2320	M3.4	SF	N14E12	4366
04 Feb	B0000	0009	0014		1F	N14E12	4366
04 Feb	0102	0110	0116	M1.2	1F	N12E05	4366
04 Feb	0126	0139	0145	M1.4	SF	N12E06	4366
04 Feb	0145	0155	0159	M1.4			
04 Feb	0222	0230	0232	M2.1			4366
04 Feb	0224	0243	0253	M4.9	SF	N12E06	4366
04 Feb	0348	0355	0402	M2.1	SF	N13E06	4366
04 Feb	0615	0623	0635	C4.5			
04 Feb	0650	0655	0701	C3.5			
04 Feb	0826	0838	0841	C3.7			4366
04 Feb	0850	0902	0911	C6.7			4366
04 Feb	0912	0920	0923	M1.8			4366



Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical		Rgn #
	Begin	Max	End			Location Lat CMD		
04 Feb	1010	1012	1015	M3.1	SF	N15E06		4366
04 Feb	1040	1046	1051	M1.5				4366
04 Feb	1051	1055	1058	M1.5				4366
04 Feb	1131	1135	1141	M1.1				4366
04 Feb	1202	1213	1218	X4.2				4366
04 Feb	1525	1534	1555	M1.8	2B	N12W04		4366
04 Feb	1536	1537	1541		SF	S17W04		4362
04 Feb	2019	2033	2040	C6.6				4371
04 Feb	2142	2147	2154	C3.0				4366
05 Feb	0054	0101	0106	C4.7				4371
05 Feb	0144	0151	0157	C4.9				4366
05 Feb	0213	0222	0232	C3.2				4366
05 Feb	0240	0254	0306	C8.9	SF	N15W09		4366
05 Feb	0355	0421	0425	M2.5	SF	N15W09		4366
05 Feb	0425	0436	0441	M2.7				4366
05 Feb	0613	0619	0627	M1.3	SF	N15W09		4366
05 Feb	0751	0802	0806	C8.1	SF	N15W09		4366
05 Feb	0819	0833	0838	M1.2	1F	N14W11		4366
05 Feb	1006	1014	1028	C7.9				4366
05 Feb	1138	1142	1146	C4.3				4366
05 Feb	1242	1252	1259	C6.0				4362
05 Feb	1259	1304	1309	M1.6				4366
05 Feb	1411	1422	1433	C4.4				4366
05 Feb	1443	1455	1506	C4.4				4366
05 Feb	1508	1513	1520	M1.8	1N	S18W16		4362
05 Feb	1519	1523	1526		SF	N14W15		4366
05 Feb	1535	1536	A1542		SF	N14W15		4366
05 Feb	1549	1601	1609	C3.5				4366
05 Feb	1620	1630	1646	M1.6				4366
05 Feb	1731	1741	1756	M1.5				4366
05 Feb	1858	1905	1908	C2.1				4366
05 Feb	1928	1934	1938	M2.2	1N	S17W18		4362
05 Feb	2210	2217	2220	M1.1	1N	S22W73		4372
05 Feb	2347	2352	2358	C2.0				
06 Feb	0223	0232	0245	C3.8				4362
06 Feb	0546	0554	0601	C5.0				4372
06 Feb	0734	0754	0802	C2.6				4366
06 Feb	0923	0932	0940	C3.1	SF	S18W25		4362



Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical		Rgn #
	Begin	Max	End			Location Lat CMD		
06 Feb	1010	1021	1026	C6.9	SF	N14W15		4366
06 Feb	1205	1208	1213	C2.8				4366
06 Feb	B1215	U1215	A1220		SF	N14W24		4366
06 Feb	1402	1406	1410	C2.5				4366
06 Feb	1450	1457	1501	C4.2	SF	N16W23		4366
06 Feb	1629	1659	1825	C3.3	1F	N15W28		4366
06 Feb	1735	1740	1801	C2.1	SF	S21E20		4371
06 Feb	1835	1842	1849	C2.1				4366
06 Feb	2015	2024	2030		SF	S22E23		4371
06 Feb	2129	2132	2140	C4.1	SF	N15W33		4366
07 Feb	0633	0639	0641	C2.1				4358
07 Feb	0742	0748	0753	C2.0				4371
07 Feb	0809	0819	0829	C7.3				4362
07 Feb	1355	1359	1408	C1.9				4366
07 Feb	1634	1647	1655	C3.2				4366
07 Feb	2329	2347	0007	C5.6				4366
08 Feb	0450	0456	0459	C4.8				4366
08 Feb	0732	0746	0757	C6.1	SF	N14W46		4366
08 Feb	1100	1100	1103		SF	N12W47		4366
08 Feb	1113	1118	1121	M1.8	SF	N18W48		4366
08 Feb	1132	1143	1159	M1.7				4366
08 Feb	1346	1353	1357	M2.7				4366
08 Feb	1457	1605	1630	C5.6	1N	N14W50		4366
08 Feb	1632	1657	1717	C3.2	1F	N12W51		4366
08 Feb	1701	1703	1757		SN	S18W57		4362
08 Feb	1712	1738	1753	C8.6	2N	N12W51		4366
08 Feb	1804	1809	1814		SF	N11W54		4366
08 Feb	1829	1838	1924		1F	N13W53		4366
08 Feb	1958	2000	2002		SF	N13W53		4366
08 Feb	2005	2005	2042		SF	N13W47		4366
08 Feb	2107	2107	2108		SF	N12W50		4366
08 Feb	2108	2224	2308		1F	N16W54		4366
08 Feb	2332	2354	0009	C7.4				4366



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	4
Region 4355																	
24 Jan	S14E44	299	10	4	Cao	2	B										
25 Jan	S12E31	299	20	4	Cao	2	B										
26 Jan	S12E18	299	20	3	Cao	3	B	1									
27 Jan	S13E05	299	10	1	Hrx	1	A										
28 Jan	S13W07	297	10	1	Axx	1	A	1									
29 Jan	S13W21	298	plage														
30 Jan	S13W35	299	plage														
31 Jan	S13W49	300	plage														
01 Feb	S13W63	301	plage														
02 Feb	S13W77	302	plage														
									2	0	0	0	0	0	0	0	0

Died on Disk.

Absolute heliographic longitude: 299

Region 4356																	
26 Jan	S12W07	324	10	1	Axx	1	A										
27 Jan	S12W20	324	10	1	Axx	1	A										
28 Jan	S10W34	324	plage														
29 Jan	S10W48	325	plage														
30 Jan	S10W62	326	plage														
31 Jan	S10W76	327	plage														
01 Feb	S10W90	328	plage														
									0	0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 324

Region 4357																	
27 Jan	S13W05	309	20	4	Cao	5	B					1					
28 Jan	S13W20	310	30	6	Cro	7	B	1									
29 Jan	S13W34	311	40	7	Cri	8	B										
30 Jan	S13W47	311	20	8	Cao	5	B					1					
31 Jan	S14W60	311	20	8	Cao	4	B	1						1			
01 Feb	S13W80	318	10	1	Axx	1	A										
									2	0	0	1	1	1	0	0	

Crossed West Limb.

Absolute heliographic longitude: 309



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 4358																							
27 Jan	N14E64	240	10	1	Axx	1	A																
28 Jan	N14E50	240	10	3	Bxo	3	B																
29 Jan	N14E37	240	10	3	Bxo	3	B																
30 Jan	N14E23	241	10	3	Axx	2	A																
31 Jan	N14E09	242	10	2	Bxo	1	B																
01 Feb	N14W05	243	plage																				
02 Feb	N14W19	244	plage																				
03 Feb	N16W30	241	30	4	Cro	5	B																
04 Feb	N16W44	242	20	4	Cro	3	B																
05 Feb	N17W57	242	30	5	Bxo	3	B																
06 Feb	N17W71	243	10	5	Bxo	3	B																
07 Feb	N17W84	243	10	5	Bxo	2	B	1															
								1	0	0	0	0	0	0	0	0	0	0	0	0	0		

Crossed West Limb.
Absolute heliographic longitude: 243

Region 4359																							
28 Jan	N18E27	263	10	3	Bxo	2	B																
29 Jan	N18E15	262	10	1	Axx	2	A																
30 Jan	N18E01	263	10	1	Axx	1	A																
31 Jan	N21W09	260	10	3	Cao	4	B																
01 Feb	N22W23	261	10	1	Axx	1	A																
02 Feb	N22W37	262	plage																				
03 Feb	N22W51	262	plage																				
04 Feb	N22W65	263	plage																				
05 Feb	N22W79	264	plage																				
								0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Crossed West Limb.
Absolute heliographic longitude: 263



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 4360

28 Jan	S15E57	233	30	3	Cro	3	B											
29 Jan	S15E43	234	10	1	Hrx	1	A											
30 Jan	S15E26	237	10	1	Axx	1	A											
31 Jan	S16E13	238	10	1	Axx	1	A											
01 Feb	S16W01	239	plage															
02 Feb	S16W15	240	plage															
03 Feb	S16W29	240	plage															
04 Feb	S16W43	241	plage															
05 Feb	S16W57	242	plage															
06 Feb	S16W71	243	plage															
07 Feb	S16W85	244	plage															
									0	0	0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 239

Region 4361

28 Jan	N19W29	319	10	3	Bxo	2	B											
29 Jan	N19W42	319	plage															
30 Jan	N19W56	320	plage															
31 Jan	N19W70	321	plage															
01 Feb	N19W84	322	plage															
									0	0	0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 319



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 4362																		
29 Jan	S17E72	205	30	2	Hsx	1	A											
30 Jan	S17E58	206	20	1	Hsx	1	A	1										
31 Jan	S18E45	206	40	1	Hax	1	A											
01 Feb	S18E31	207	40	3	Hsx	1	A											
02 Feb	S17E18	207	40	2	Hsx	1	A											
03 Feb	S16E06	206	40	5	Cao	7	BG											
04 Feb	S16W08	206	30	4	Cao	6	B					1						
05 Feb	S17W22	207	40	4	Cao	8	B	1	2				2					
06 Feb	S17W35	207	20	3	Cao	3	B	2				1						
07 Feb	S17W48	207	50	5	Dao	3	B	1										
08 Feb	S18W60	206	40	4	Cao	4	B					1						
								5	2	0	3	2	0	0	0	0		

Still on Disk.
 Absolute heliographic longitude: 206

Region 4363																		
29 Jan	S23E74	203	20	1	Hrx	1	A	1										
30 Jan	S24E59	205	30	7	Cao	3	B	1										
31 Jan	S26E45	206	30	2	Cao	2	B	1										
01 Feb	S26E31	207	plage															
02 Feb	S26E17	208	plage															
03 Feb	S26E03	208	plage															
04 Feb	S26W11	209	plage															
05 Feb	S26W25	210	plage															
06 Feb	S26W39	211	plage															
07 Feb	S26W53	212	plage															
08 Feb	S26W62	208	10	3	Bxo	2	B											
								3	0	0	0	0	0	0	0	0	0	

Still on Disk.
 Absolute heliographic longitude: 208

Region 4364																		
30 Jan	S17W33	297	plage															
31 Jan	S17W47	298	plage															
01 Feb	S17W61	299	plage															
02 Feb	S17W75	300	plage															
03 Feb	S17W89	300	plage															
								0	0	0	0	0	0	0	0	0	0	

Crossed West Limb.
 Absolute heliographic longitude: 297



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 4365																							
30 Jan	N28W12	276	10		1	Axx	1	A	1														
31 Jan	N26W25	276	plage																				
01 Feb	N26W39	277	plage																				
02 Feb	N26W53	278	plage																				
03 Feb	N26W67	278	plage																				
04 Feb	N26W81	279	plage																				
									1	0	0	0	0	0	0	0	0	0	0	0	0		

Crossed West Limb.
Absolute heliographic longitude: 276

Region 4366																							
30 Jan	N16E65	199	60		5	Dai	4	B	1														
31 Jan	N13E51	200	60		6	Dai	7	BGD	15			1											
01 Feb	N14E35	202	550		12	Ekc	21	BGD	2	17	2				1								
02 Feb	N14E21	204	730		14	Ekc	45	BGD	1	15	2			1		1							
03 Feb	N14E07	204	1100		16	Fkc	42	BGD	5	11	1	5	6										
04 Feb	N14W07	205	1090		17	Fkc	47	BGD	3	11	1	4	2	1									
05 Feb	N14W19	204	1100		18	Fkc	25	BGD	10	6		6											
06 Feb	N14W33	205	1100		19	Fkc	20	BGD	8			4	1										
07 Feb	N14W46	205	1000		20	Fkc	25	BGD	3														
08 Feb	N14W59	205	1000		20	Fkc	20	BGD	6	3		7	4	1									
									54	63	6	27	14	4	0	0							

Still on Disk.
Absolute heliographic longitude: 204

Region 4367																							
31 Jan	N10E75	176	60		2	Hsx	1	A															
01 Feb	N07E62	176	30		3	Hsx	1	A															
02 Feb	N09E50	175	50		5	Cso	4	B															
03 Feb	N09E38	174	50		8	Cao	10	B															
04 Feb	N09E25	174	50		9	Cao	5	B															
05 Feb	N09E12	174	50		8	Cao	5	B															
06 Feb	N09W02	174	40		7	Cao	4	B															
07 Feb	N09W18	177	40		4	Cao	3	B															
08 Feb	N09W31	177	20		2	Hax	1	A															
									0	0	0	0	0	0	0	0	0	0	0	0	0		

Still on Disk.
Absolute heliographic longitude: 174



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 4368																	
31 Jan	S08E76	175	120	2	Hsx	1	A										
01 Feb	S10E63	175	30	3	Hsx	1	A										
02 Feb	S10E51	175	30	3	Hsx	1	A										
03 Feb	S10E38	174	40	2	Hsx	1	A										
04 Feb	S10E25	173	40	2	Hsx	1	A										
05 Feb	S10E12	174	40	2	Hsx	1	A										
06 Feb	S10W03	175	50	2	Hsx	1	A										
07 Feb	S10W15	174	100	1	Hsx	1	A										
08 Feb	S10W28	174	100	2	Hsx	1	A										
								0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 175

Region 4369																	
01 Feb	S01E71	167	120	4	Hsx	1	A										
02 Feb	S02E57	168	120	2	Hsx	1	A										
03 Feb	S03E43	168	40	2	Hsx	1	A										
04 Feb	S04E30	168	40	2	Cso	2	B										
05 Feb	S03E17	168	40	2	Hsx	1	A										
06 Feb	S03E03	169	70	2	Hsx	1	A										
07 Feb	S03W10	169	110	2	Hsx	1	A										
08 Feb	S03W23	169	110	2	Hsx	1	A										
								0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 169

Region 4370																	
02 Feb	S18E64	161	30	5	Cro	5	B										
03 Feb	S18E50	161	30	1	Cro	1	B										
04 Feb	S19E39	159	10	1	Axx	1	A										
05 Feb	S19E25	160	10	1	Axx	2	A										
06 Feb	S18E11	161	10	1	Axx	1	A										
07 Feb	S18W03	162	plage														
08 Feb	S18W17	163	plage														
								0	0	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 162



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 4371																		
02 Feb	S22E70	155	20	3	Bxo	4	B											
03 Feb	S22E60	151	40	9	Dao	8	B											
04 Feb	S23E47	151	50	8	Dao	10	B	1										
05 Feb	S23E34	151	120	8	Dki	14	BD	1										
06 Feb	S23E20	152	150	9	Dai	8	BD	1			2							
07 Feb	S23E06	153	120	7	Dao	7	B	1										
08 Feb	S23W06	152	60	5	Cao	4	B											
								4	0	0	2	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 153

Region 4372																		
03 Feb	S24W39	250	15	4	Bxo	6	B											
04 Feb	S23W54	252	10	3	Axx	1	A											
05 Feb	S23W68	253	plage							1			1					
06 Feb	S23W82	254	plage					1										
								1	1	0	0	1	0	0	0	0		

Crossed West Limb.

Absolute heliographic longitude: 250

Region 4373																		
06 Feb	N10E66	106	60	2	Hsx	1	A											
07 Feb	N09E56	103	130	8	Cso	6	B											
08 Feb	N08E43	103	130	9	Cso	5	B											
								0	0	0	0	0	0	0	0	0		

Still on Disk.

Absolute heliographic longitude: 103



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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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