Space Weather Highlights **SWPC PRF 2613**
22 September - 28 September 2025 **29 September 2025**

Solar activity reached R1 (Minor) levels on 23, 24, 26 and 27 Sep and R2 (Moderate) levels on 28 Sep. Region 4217 (S16, L=209, class/area Cko/250 on 22 Sep) produced an M1.1 flare at 23/1034 UTC with an associated Type II sweep with an estimated shock velocity of 835 km/s. On 24 Sep, Region 4224 (S14, L=205, class/area Dso/060 on 26 Sep) produced an M1.0 and an M1.6 flare at 24/0931 UTC and 24/1913 UTC, respectively. An M1.6 flare was observed from behind the E limb at 26/2001 UTC with an associated Type II sweep with an estimated shock velocity of 778 km/s.

Region 4226 (S11, L=133, class/area on 24 Sep) produced an M1.0/Sf flare and an M1.1/Sf flare at 27/0359 UTC and 27/0423 UTC, respectively. Later on 26 Sep, Region 4232 (N03, L=050, class area Dso/180 on 28 Sep) produced an M1.1/Sf flare at 26/0714 UTC. The largest event of the period, an M6.4/1b flare, was produced at 28/0843 UTC from Region 4232. During the period, a total of 59 C-class and 8 M-class flares were observed. None of these flares, or other activity, produced an Earth-directed CMEs.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at high levels on 22 and 27 Sep with a maximum flux of 1,723 pfu observed at 27/1655 UTC. Normal to moderate levels were observed on 23-26 and 28 Sep.

Geomagnetic field activity was at quiet to unsettled levels, with an isolated active period midday on 23 Sep. Weak negative polarity CH HSS's dominated the period. Solar wind speeds reached a maximum speed of about 600 km/s midday on 23 Sep.

Space Weather Outlook
29 September - 25 October 2025

Solar activity is expected to be at low levels with a likely chance for isolated M-class flares throughout the period.

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 on 05-08 Oct, 13-16 Oct and 21-24 Oct. Normal to moderate levels are expected for the remainder of the outlook period.

Geomagnetic field activity is expected to be at unsettled to active periods on 29-30 Sep, 11-13 Oct, 19-22 Oct and 25 Oct, all due to negative polarity CH HSS influences. Unsettled to active periods are expected on 03-06 Oct due to positive polarity CH HSS influences. Mostly quiet levels are likely for the remaining days in the outlook 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
22 September	172	152	1130	C1.0	2	0	0	1	0	0	0	0
23 September	171	172	930	C1.2	3	1	0	1	0	0	0	0
24 September	184	155	1010	C1.7	9	2	0	6	0	0	0	0
25 September	170	149	930	C1.4	9	0	0	1	0	0	0	0
26 September	165	137	590	C1.2	9	1	0	1	0	0	0	0
27 September	164	172	570	C1.5	17	3	0	8	0	1	0	0
28 September	171	131	620	C1.6	17	1	0	8	2	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
22 September	5.2e+06	1.6e+04	3.5e+07
23 September	6.4e+05	1.5e+04	1.7e+07
24 September	7.1e+05	1.6e+04	2.2e+07
25 September	5.5e+05	1.6e+04	2.8e+07
26 September	6.3e+05	1.6e+04	4.3e+07
27 September	1.3e+06	1.6e+04	5.3e+07
28 September	9.4e+05	1.6e+04	1.4e+07

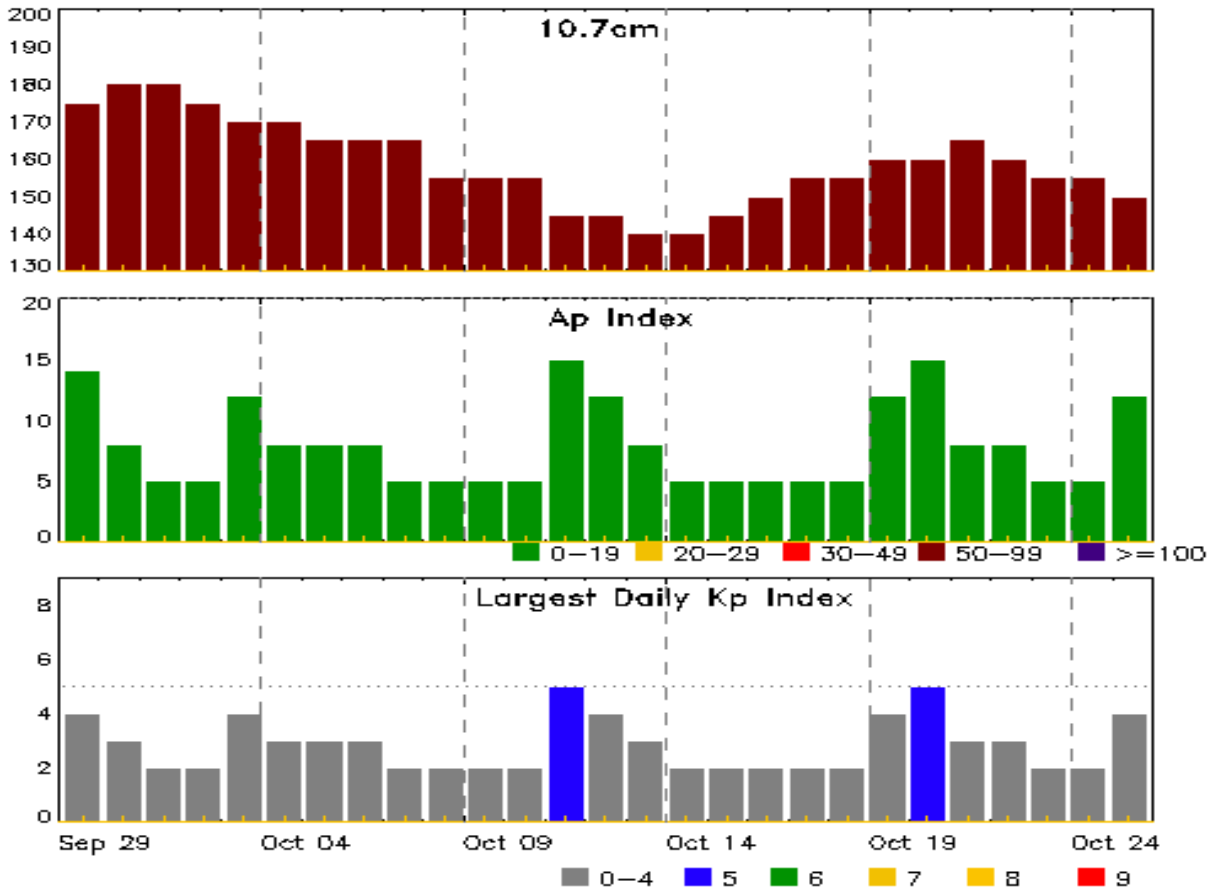
Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
22 September	12	3-2-2-3-3-3-2-3	14	3-2-2-3-5-2-2-2	13	3-2-2-3-3-3-3-3
23 September	12	3-2-3-3-3-3-2-1	30	3-3-3-3-6-6-3-2	14	3-3-3-3-4-3-3-2
24 September	6	1-1-1-2-2-2-2-2	6	1-1-1-2-3-2-1-1	8	2-2-1-2-2-2-2-3
25 September	7	1-1-2-3-3-1-2-1	9	1-1-2-3-4-2-1-1	8	1-1-2-3-3-2-1-2
26 September	6	2-2-1-2-2-1-2-1	4	2-1-0-0-3-0-1-1	7	2-2-1-2-2-1-2-2
27 September	5	1-1-1-1-2-2-2-2	4	1-1-1-2-2-0-2-1	7	2-2-1-1-1-1-3-2
28 September	9	3-3-0-2-2-3-2-2	5	2-1-1-1-1-2-2-1	15	3-3-1-2-2-3-3-2

Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
22 Sep 0157	WARNING: Geomagnetic K = 4	22/0157 - 2359
22 Sep 1211	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	16/1100
22 Sep 2354	EXTENDED WARNING: Geomagnetic K = 4	22/0157 - 23/0600
23 Sep 1111	ALERT: Type II Radio Emission	23/1042
26 Sep 2041	ALERT: Type II Radio Emission	26/2005
27 Sep 1346	ALERT: Electron 2MeV Integral Flux >= 1000pfu	27/1330
28 Sep 1034	ALERT: X-ray Flux exceeded M5	28/0843
28 Sep 1046	SUMMARY: X-ray Event exceeded M5	28/0834 - 0849

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 Sep	175	14	4	13 Oct	140	8	3
30	180	8	3	14	140	5	2
01 Oct	180	5	2	15	145	5	2
02	175	5	2	16	150	5	2
03	170	12	4	17	155	5	2
04	170	8	3	18	155	5	2
05	165	8	3	19	160	12	4
06	165	8	3	20	160	15	5
07	165	5	2	21	165	8	3
08	155	5	2	22	160	8	3
09	155	5	2	23	155	5	2
10	155	5	2	24	155	5	2
11	145	15	5	25	150	12	4
12	145	12	4				

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
23 Sep	1024	1034	1038	M1.0	0.004	SF	S14	W42	4217	540		
24 Sep	0916	0931	0944	M1.0	0.012				4224			
24 Sep	1857	1913	1922	M1.6	0.015				4224	100		
26 Sep	1949	2001	2007	M1.6	0.009				4233	210		1
27 Sep	0329	0359	0418	M1.0	0.024	SF	S15	W10	4226			
27 Sep	0418	0423	0427	M1.1	0.007	SF	N18	E77	4226			
27 Sep	0703	0714	0718	M1.1	0.006	SF	N03	E71	4232	2200		
28 Sep	0834	0843	0849	M6.4	0.029	1B	N03	E58	4232	4900		

Flare List

	Time			Optical			
Date	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
22 Sep	0708	0716	0721	C1.7	SF	S14W25	4217
22 Sep	1558	1609	1618	C4.2			
23 Sep	0907	0920	0934	C2.5			4228
23 Sep	1024	1034	1038	M1.0	SF	S14W42	4217
23 Sep	1817	1825	1841	C1.9			4230
23 Sep	2234	2243	2254	C2.0			4224
24 Sep	0101	0108	0115	C2.3			4224
24 Sep	0115	0141	0200	C2.9			4224
24 Sep	0215	0229	0240	C6.7	SF	S17W41	4223
24 Sep	0323	0331	0337	C5.5	SN	S12E28	4226
24 Sep	0344	0351	0401	C2.5			
24 Sep	0543	0545	0548		SF	S17W43	4223
24 Sep	0703	0707	0709		SF	S04W40	4229
24 Sep	B0906	U0911	A0913		SF	S11E32	4226
24 Sep	0916	0931	0944	M1.0			4224
24 Sep	1052	1057	1059	C3.5			4226
24 Sep	1243	1250	1252	C5.3			4226
24 Sep	1654	1703	1713	C2.4			4229
24 Sep	1857	1913	1922	M1.6			4224
24 Sep	2314	2322	2329	C4.6	SF	S13E16	4226
25 Sep	0214	0223	0230	C3.2			4224
25 Sep	0400	0409	0416	C3.6			4224
25 Sep	0610	0623	0641	C3.3			4224

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
25 Sep	1029	1037	1054	C2.3			4217
25 Sep	1226	1233	1242	C2.1			
25 Sep	1242	1251	1257	C1.9			
25 Sep	1354	1401	1405	C3.4			4217
25 Sep	1815	1822	1830	C2.2			4217
25 Sep	1911	1921	1928	C2.4	SF	S10E11	4226
26 Sep	0352	0402	0410	C1.9			4217
26 Sep	0425	0434	0450	C1.9			4232
26 Sep	0614	0628	0639	C2.4			4232
26 Sep	1004	1019	1040	C2.5			4227
26 Sep	1459	1459	1504		SF	S06W67	4229
26 Sep	1706	1716	1723	C2.9			4233
26 Sep	1853	1905	1914	C7.8			4221
26 Sep	1949	2001	2007	M1.6			4233
26 Sep	2045	2055	2101	C4.0			4233
26 Sep	2221	2227	2232	C4.0			4233
26 Sep	2311	2315	2321	C2.8			4217
27 Sep	0028	0042	0100	C8.0	SF	S19W07	4226
27 Sep	0232	0240	0244	C3.6	SF	N03E73	4232
27 Sep	0329	0359	0418	M1.0	SF	S15W10	4226
27 Sep	0336	0415	0421		SF	S14W11	4226
27 Sep	0418	0423	0427	M1.1	SF	N18E77	4226
27 Sep	0530	0534	0537	C4.9			
27 Sep	0622	0630	0635	C3.9	SF	S14W11	4226
27 Sep	0703	0714	0718	M1.1	SF	N03E71	4232
27 Sep	0801	0809	0822	C2.3			4233
27 Sep	0928	0938	0951	C2.8			4233
27 Sep	1006	1019	1034	C2.7			4233
27 Sep	1112	1122	1133	C3.2			4233
27 Sep	1133	1138	1141	C3.0			4233
27 Sep	1259	1316	1325	C7.3			4233
27 Sep	1508	1515	1521	C2.0			4233
27 Sep	1616	1627	1645	C2.9			4233
27 Sep	1645	1649	1651	C3.1			4226
27 Sep	1739	1749	1751	C6.8	2F	N06E65	4232
27 Sep	1751	1756	1759	C7.6			4232
27 Sep	1944	1954	2001	C5.4			4232
27 Sep	2053	2058	2103	C3.1	SF	N20E62	4233

Flare List

Date	Time			Optical			
	Begin	Max	End	X-ray Class	Imp/ Brtns	Location Lat CMD	Rgn #
28 Sep	0052	0101	0110	C2.8	SF	N18E64	4233
28 Sep	0455	0455	0457		SF	N18E60	4233
28 Sep	0702	0707	0725	C2.3			4233
28 Sep	0759	0813	0820		SF	N03E58	4232
28 Sep	0823	0827	0834		SF	N03E58	4232
28 Sep	0834	0846	0855	M6.4	1B	N03E58	4232
28 Sep	0909	0911	0912		SF	N16E59	4233
28 Sep	1048	1054	1056	C3.0			4232
28 Sep	1129	1142	1155	C3.6	SF	N16E58	4233
28 Sep	1246	1255	1303	C3.2			4233
28 Sep	1312	1324	1326	C9.0			4233
28 Sep	1326	1331	1334	C9.9			4233
28 Sep	1435	1440	1448	C3.6			4233
28 Sep	1638	1646	1650	C3.5			
28 Sep	1735	1742	1746	C3.7	SF	N07E51	4232
28 Sep	1912	1921	1927	C2.9			4236
28 Sep	1937	1956	2001	C7.4	1N	N04E50	4232
28 Sep	2017	2034	2051	C9.6			4233
28 Sep	2143	2150	2156	C5.5			4235
28 Sep	2210	2217	2221	C3.3			
28 Sep	2324	2335	2341	C6.3	SF	N18E53	4233
28 Sep	2341	2346	2348	C5.8			4233

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 2417												
12 Sep	N23W48	333	10	1	Hrx	1	A								
13 Sep	N25W62	334	plage												
14 Sep	N25W76	334	plage												
15 Sep	N25W90	335	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 333

			Region 4216												
11 Sep	N09E77	246	100	8	Dso	3	B	2							
12 Sep	N10E63	247	190	9	Dsc	8	B								
13 Sep	N10E52	244	180	6	Dai	5	B								
14 Sep	N10E35	248	180	6	Dai	10	B	3			1				
15 Sep	N10E24	246	210	9	Dai	11	B	1			1				
16 Sep	N10E09	248	190	7	Cai	8	B				2				
17 Sep	N10W04	247	200	7	Cai	17	BG	2			3				
18 Sep	N10W17	247	180	9	Csi	13	BG								
19 Sep	N10W31	248	80	5	Csi	11	BG	1	1					1	
20 Sep	N10W45	249	90	5	Cso	6	BG	2							
21 Sep	N11W59	250	70	5	Cso	7	BG								
22 Sep	N11W73	251	50	3	Hsx	2	A								
23 Sep	N11W85	249	50	1	Hsx	2	A								
								11	1	0	7	0	0	1	0

Crossed West Limb.
Absolute heliographic longitude: 247

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 4217												
14 Sep	S15E70	213	90	5	Hsx	1	A	5			2				
15 Sep	S17E58	212	200	10	Dao	6	B	5							
16 Sep	S16E47	210	180	12	Eao	8	B	2							
17 Sep	S17E36	208	200	12	Eao	12	B	1							
18 Sep	S17E21	209	200	12	Eao	6	B								
19 Sep	S17E07	210	220	11	Eao	8	B	1			1				
20 Sep	S15W06	210	230	12	Eao	9	B								
21 Sep	S17W19	210	210	13	Eao	10	B	3			2				
22 Sep	S16W31	209	250	14	Cko	15	BG	1			1				
23 Sep	S16W48	212	170	8	Cao	11	BG		1		1				
24 Sep	S17W62	213	140	3	Cao	8	BG								
25 Sep	S17W75	213	150	3	Cao	8	B	3							
26 Sep	S18W88	213	70	4	Cso	2	B	2							
								23	1	0	7	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 210

			Region 4220												
15 Sep	S18E28	242	10	4	Bxo	4	B								
16 Sep	S18E14	243	20	6	Cro	7	B	1			2				
17 Sep	S18W01	245	80	5	Dai	18	B	2			1				
18 Sep	S18W15	245	250	9	Dki	20	BG	4			2				
19 Sep	S18W28	245	240	9	Dai	21	BG								
20 Sep	S19W41	245	290	9	Dhi	19	BG	2							
21 Sep	S18W55	246	300	12	Eki	20	BG	3							
22 Sep	S18W69	247	200	12	Esi	12	B								
23 Sep	S18W81	245	150	11	Eso	5	B								
24 Sep	S17W95	246	150	11	Eso	5	B								
								12	0	0	5	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 245

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 4221												
15 Sep	N04E57	213	20	4	Cro	3	B								
16 Sep	N04E44	213	50	6	Cso	3	B								
17 Sep	N04E29	215	110	7	Dso	6	B								
18 Sep	N04E17	213	70	8	Cao	3	B								
19 Sep	N04E03	214	70	8	Dso	8	B								
20 Sep	N03W11	215	60	5	Cso	3	B								
21 Sep	N04W25	216	90	5	Cso	4	B								
22 Sep	N04W39	217	100	2	Hsx	1	A								
23 Sep	N04W53	217	70	2	Hsx	1	A								
24 Sep	N04W67	218	60	2	Hsx	1	A								
25 Sep	N04W83	221	100	1	Hsx	1	A								
								0	0	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 214

			Region 4222												
16 Sep	N13E22	235	10	2	Axx	3	A								
17 Sep	N13E08	236	plage												
18 Sep	N13W06	236	plage												
19 Sep	N13W21	238	10	2	Axx	2	A								
20 Sep	N13W35	239	plage												
21 Sep	N13W49	240	plage												
22 Sep	N13W63	241	plage												
23 Sep	N13W77	241	plage												
								0	0	0	0	0	0	0	0

Died on Disk.
Absolute heliographic longitude: 236

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 4223												
16 Sep	S17E63	194	20	3	Cro	3	B	2							
17 Sep	S16E50	194	40	3	Cao	5	B								
18 Sep	S16E36	194	50	3	Cao	5	B	1							
19 Sep	S16E21	196	40	6	Cao	8	B	1							
20 Sep	S15E07	196	40	1	Cao	4	B								
21 Sep	S17W07	198	10	1	Axx	1	A	1			1				
22 Sep	S18W16	194	10	3	Axx	3	A								
23 Sep	S18W33	197	10	1	Axx	1	A								
24 Sep	S18W47	198	plage					1			2				
25 Sep	S18W61	198	plage												
26 Sep	S18W75	200	plage												
27 Sep	S18W89	201	plage												
								6	0	0	3	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 196

			Region 4224												
16 Sep	S09E44	213	10	3	Bxo	4	B								
17 Sep	S09E30	214	plage												
18 Sep	S09E16	214	plage												
19 Sep	S13E15	212	20	5	Cao	6	B								
20 Sep	S13E11	193	30	4	Cao	4	B								
21 Sep	S13W08	199	50	6	Dai	7	BG	1							
22 Sep	S13W22	200	40	6	Dao	5	B								
23 Sep	S13W36	200	30	5	Cro	3	B	1							
24 Sep	S13W51	202	50	4	Cso	5	B	2	2						
25 Sep	S13W68	206	10	3	Cso	4	B	3							
26 Sep	S14W80	205	60	4	Dso	2	B								
								7	2	0	0	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 199

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 4225													
16 Sep	N10E81	176	50	2	Hsx	1	A								
17 Sep	N10E68	176	120	3	Hsx	1	A								
18 Sep	N10E53	177	140	3	Hsx	1	A				1				
19 Sep	N09E41	176	180	4	Cso	3	B								
20 Sep	N10E27	176	210	4	Cao	4	B								
21 Sep	N09E14	177	220	5	Dao	4	B								
22 Sep	N10E01	177	200	3	Cao	4	B								
23 Sep	N10W14	178	90	4	Hsx	2	A								
24 Sep	N10W28	179	150	3	Hsx	2	A								
25 Sep	N10W40	178	150	3	Hsx	3	A								
26 Sep	N09W53	178	120	3	Hsx	2	A								
27 Sep	N10W66	178	110	2	Hax	1	A								
28 Sep	N09W78	176	90	2	Hsx	1	A								
								0	0	0	1	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 177

		Region 4226													
20 Sep	S11E67	137	30	1	Cso	2	B								
21 Sep	S09E56	135	60	3	Dso	1	B								
22 Sep	S11E47	131	180	8	Dsi	6	B								
23 Sep	S11E32	132	170	8	Dsi	12	B								
24 Sep	S11E18	133	220	8	Dai	15	BG	4			3				
25 Sep	S11E06	132	220	7	Dao	13	B	1			1				
26 Sep	S10W07	132	130	7	Cao	9	B								
27 Sep	S10W21	133	90	5	Cao	8	B	3	2		5				
28 Sep	S11W35	133	130	4	Cao	5	B								
								8	2	0	9	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 132

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 4227												
20 Sep	S17E67	137	30	1	Cao	3	B								
21 Sep	S19E53	138	80	4	Cao	2	B								
22 Sep	S19E40	138	70	3	Hax	3	A								
23 Sep	S19E27	137	80	3	Hax	4	A								
24 Sep	S19E14	137	80	5	Hax	5	A								
25 Sep	S19E01	137	80	5	Hax	5	A								
26 Sep	S18W11	136	30	2	Hax	4	A	1							
27 Sep	S17W27	138	30	7	Dso	8	B								
28 Sep	S17W41	139	30	10	Cao	5	B								
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 137

			Region 4228												
21 Sep	N04E66	125	10	1	Hsx	1	A	1							
22 Sep	N04E54	124	30	1	Hsx	1	A								
23 Sep	N04E41	123	40	1	Hsx	1	A	1							
24 Sep	N04E27	124	30	2	Hsx	1	A								
25 Sep	N04E13	125	40	2	Hsx	1	A								
26 Sep	N05E01	124	20	2	Hsx	2	A								
27 Sep	N04W12	124	10	2	Axx	2	A								
28 Sep	N05W26	124	10	3	Axx	2	A								
								2	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 124

			Region 4229												
23 Sep	S04W32	196	10	4	Bxo	2	B								
24 Sep	S04W46	197	60	4	Csi	8	B	1			1				
25 Sep	S04W61	199	70	4	Dso	8	B								
26 Sep	S03W74	199	50	5	Dso	3	B				1				
27 Sep	S04W89	200	30	2	Dso	2	B								
								1	0	0	2	0	0	0	0

Crossed West Limb.
Absolute heliographic longitude: 196

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 4230												
23 Sep	S11E58	106	60	9	Dao	8	B	1							
24 Sep	S11E44	107	70	10	Dso	5	B								
25 Sep	S11E30	108	100	11	Eso	4	B								
26 Sep	S10E16	109	80	11	Eso	9	B								
27 Sep	S11E02	110	90	12	Eao	12	B								
28 Sep	S11W10	108	70	12	Eao	7	BG								
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 110

			Region 4231												
25 Sep	S07W50	188	10	3	Cso	2	B								
26 Sep	S08W66	191	20	3	Cso	2	B								
27 Sep	S07W81	192	30	1	Hsx	1	A								
28 Sep	S07W96	194	plage												
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 188

			Region 4232												
26 Sep	N02E78	47	10	5	Hax	2	A	2							
27 Sep	N03E64	48	90	3	Cao	1	B	4	1		2		1		
28 Sep	N04E48	50	180	5	Dso	5	BG	3	1		3	2			
								9	2	0	5	2	1	0	0

Still on Disk.
Absolute heliographic longitude: 50

			Region 4233												
27 Sep	N17E62	50	10	5	Cao	7	B	9			1				
28 Sep	N18E50	48	60	6	Dao	6	B	10			5				
								22	1	0	6	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 48

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 4234												
27 Sep	S23E19	93	10	3	Bxo	5	B								
28 Sep	S23E05	93	plage												
								0	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 93

			Region 4235												
27 Sep	N30E65	47	10	1	Bxo	3	B								
28 Sep	N30E51	47	20	2	Cso	3	B	1							
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 47

			Region 4236												
28 Sep	N11E42	56	30	4	Dai	7	B	1							
								1	0	0	0	0	0	0	0

Still on Disk.
Absolute heliographic longitude: 56

Preliminary Report and Forecast of Solar Geophysical Data (The Weekly)

Published every Monday by the Space Weather Prediction Center.

U.S. Department of Commerce
NOAA / National Weather Service
Space Weather Prediction Center
325 Broadway, Boulder CO 80305

Notice: The 27-day Outlook, Satellite Environment, X-ray and Proton plots have been redesigned. Comments and suggestions are welcome SWPC.Webmaster@noaa.gov

The Weekly has been published continuously since 1951 and is available online since 1997.

https://www.swpc.noaa.gov/products/weekly-highlights-and-27-day-forecast -- Current
ftp://ftp.swpc.noaa.gov/pub/warehouse -- Online archive from 1997
https://www.ngdc.noaa.gov/stp/satellite/goes-r.html -- NCEI GOES data textarchive
https://www.swpc.noaa.gov/products/solar-cycle-progression -- Solar Cycle Progression web site
https://www.swpc.noaa.gov/content/contact-us -- Contact and Copyright information
https://www.swpc.noaa.gov/sites/default/files/images/u2/Usr_guide.pdf -- User Guide