

Solar activity was at moderate levels on 02 Sep and 04-05 Sep due to three R1 (Minor) M-class flares, and low levels on the remaining days. The largest flare of the period was an M3.0 at 02/1920 UTC from Region 4524 (N12, L=224, class/area Cso/100 on 05 Sep), which was also responsible for another M1.2/1n at 04/0753 UTC and 11 C-class flares throughout the period. The M3.0 was accompanied by Type II (estimated velocity 1181 km/s) and IV radio sweeps and a CME first observed in LASCO C2 at ~02/1936 UTC, which modeling indicated would pass behind Earth orbit.

The last R1 was an M1.0/1f at 05/1518 UTC from Plage Region 4520 (S12, L=337, class/area Dai/40 on 01 Sep); this region had fully decayed to plage on 03 Sep. An associated CME first became visible in LASCO C2 at ~ 05/1800 and in STEREO coronagraph imagery at ~05/1608 UTC as a halo. Modeling indicated this eruption would pass ahead of Earth orbit.

Notably, Plage Region 4518 (N07, L=354, class/area Cri/30 on 26 Aug), which had fully decayed to plage on 03 Sep as well, also produced a C1.3 at 04/1527 UTC.

7 additional CMEs were observed this reporting period. Coronal dimming seen in GOES/SUVI 195 starting ~02/0910 UTC was associated with a CME first seen in STEREO coronagraph imagery at ~02/1108 UTC; modeling indicated that the bulk of the material is likely to pass ahead of Earth orbit but a glancing blow on 07 Sep was possible. A C7.9/Sn at 03/1630 UTC from Region 4524 was accompanied by a Type II radio sweep (estimated velocity 1359 km/s) and a CME first observed in LASCO C2 at ~03/1636 UTC, which modeling indicated would not hit Earth. A C6.7/Sf at 04/1930 UTC from Region 4524 was accompanied by Type II (estimated velocity 698 km/s) and IV radio sweeps and a CME first visible in LASCO C2 at ~04/1924 UTC and STEREO at ~ 04/2030 UTC; modeling indicates this eruption may swallow the 02 Sep eruption and produce a glancing blow at Earth either late 07 Sep or early 08 Sep. A north-south filament just SE of disk-center began erupting at ~05/0530 UTC, and an associated CME was first observed in STEREO coronagraph imagery at ~05/0638 UTC. A C6.4/1n at 05/1045 UTC from Region 4524 was associated with a CME first observed in LASCO C2 at ~ 05/1112 UTC. A C8.5/2n at 05/1746 UTC from Region 4524 was associated with a CME first observed in LASCO C2 at ~05/1800. Modeling indicates that these three CMEs may have a merged arrival at Earth on 08 Sep. Finally, a C5.0/1n at 06/1042 UTC from Region 4524 was associated with a CME first observed in STEREO coronagraph imagery at ~06/1053 UTC, which modeling indicates may produce an arrival at Earth late 08 Sep or early 09 Sep.

Proton levels at geosynchronous orbit rapidly enhanced on 05 Sep in response to the M1.0 from Plage Region 4520. The greater than 100 MeV proton flux crossed the 1 pfu threshold at 05/1545 UTC, peaked at 05/1550 UTC at 1.16 pfu, and crossed back below the threshold at 05/1615 UTC. The greater than 10 MeV proton flux crossed the 10 pfu threshold at 05/1615 UTC, peaked at 05/1645 UTC at 18 pfu, and crossed back below the threshold at 05/2135 UTC.

The greater than 2 MeV electron flux at geosynchronous orbit was at high levels from 31Aug -



04 Sep and on 06 Sep, returning to normal to moderate levels on 05 Sep.

Geomagnetic field activity was at unsettled levels 31 Aug-01 Sep and 05 Sep, and was otherwise at quiet levels.

Space Weather Outlook 07 September - 03 October 2026

Solar activity is expected to be at low levels, with a chance for moderate levels and a slight chance for high levels throughout the forecast 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 09-12 Sep, 16-23 Sep, and 27 Sep-03 Oct. Levels are expected to be at normal to moderate levels on 07-08 Sep, 13-15 Sep, and 24-26 Sep.

Geomagnetic field activity is expected reach active to G1 storming levels on 07-08 Sep due to the anticipated arrivals of the CMEs discussed above. G1 storming levels are again anticipated on 24-26 Sep due to a recurrent positive polarity coronal hole high speed stream (CH HSS), with active levels anticipated on 27 Sep. Active levels are also anticipated on 14-16 Sep due to a recurrent negative polarity CH HSS. Largely quiet levels are anticipated for all remaining dates in the forecast 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
31 August	107	81	180	B4.3	5	0	0	2	0	0	0	0
01 September	101	55	130	B3.9	3	0	0	0	0	0	0	0
02 September	102	73	170	B2.9	3	1	0	0	0	0	0	0
03 September	108	37	170	B4.6	7	0	0	10	0	0	0	0
04 September	110	72	260	B7.6	7	1	0	4	1	0	0	0
05 September	111	70	380	B4.0	3	1	0	1	2	1	0	0
06 September	110	83	570	B3.6	2	0	0	1	1	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	
31 August	3.0e+05	2.1e+04	7.7e+07	
01 September	2.3e+05	2.2e+04	1.0e+08	
02 September	3.7e+05	2.1e+04	1.0e+08	
03 September	4.6e+05	2.1e+04	9.1e+07	
04 September	4.5e+05	2.1e+04	6.6e+07	
05 September	1.3e+06	2.8e+05	3.1e+07	
06 September	4.5e+06	1.8e+05	3.3e+07	

Daily Geomagnetic Data

Date	Middle Latitude Fredericksburg		High Latitude College		Estimated Planetary	
	A	K-indices	A	K-indices	A	K-indices
31 August	13	3-3-3-4-3-2-2-1	20	3-5-4-5-2-2-1-1	12	3-3-3-3-2-2-2-1
01 September	8	1-1-2-3-3-2-2-1	8	1-1-2-4-2-2-1-1	7	1-1-2-3-2-2-2-2
02 September	6	0-1-2-2-2-3-2-1	8	1-1-4-3-2-1-1-1	6	1-1-2-2-2-1-2-2
03 September	6	2-1-2-1-2-2-2-1	3	2-0-0-0-2-2-0-1	6	2-1-1-1-1-2-2-2
04 September	4	1-1-1-2-2-1-1-1	2	1-1-0-2-0-0-0-0	4	1-1-1-2-1-0-1-0
05 September	6	2-2-2-2-2-1-1-1	10	2-3-3-4-2-0-1-1	6	2-3-2-2-1-0-0-1
06 September	5	1-1-1-2-2-1-1-2	2	2-1-1-0-0-0-1-0	5	1-1-1-1-1-1-2-2

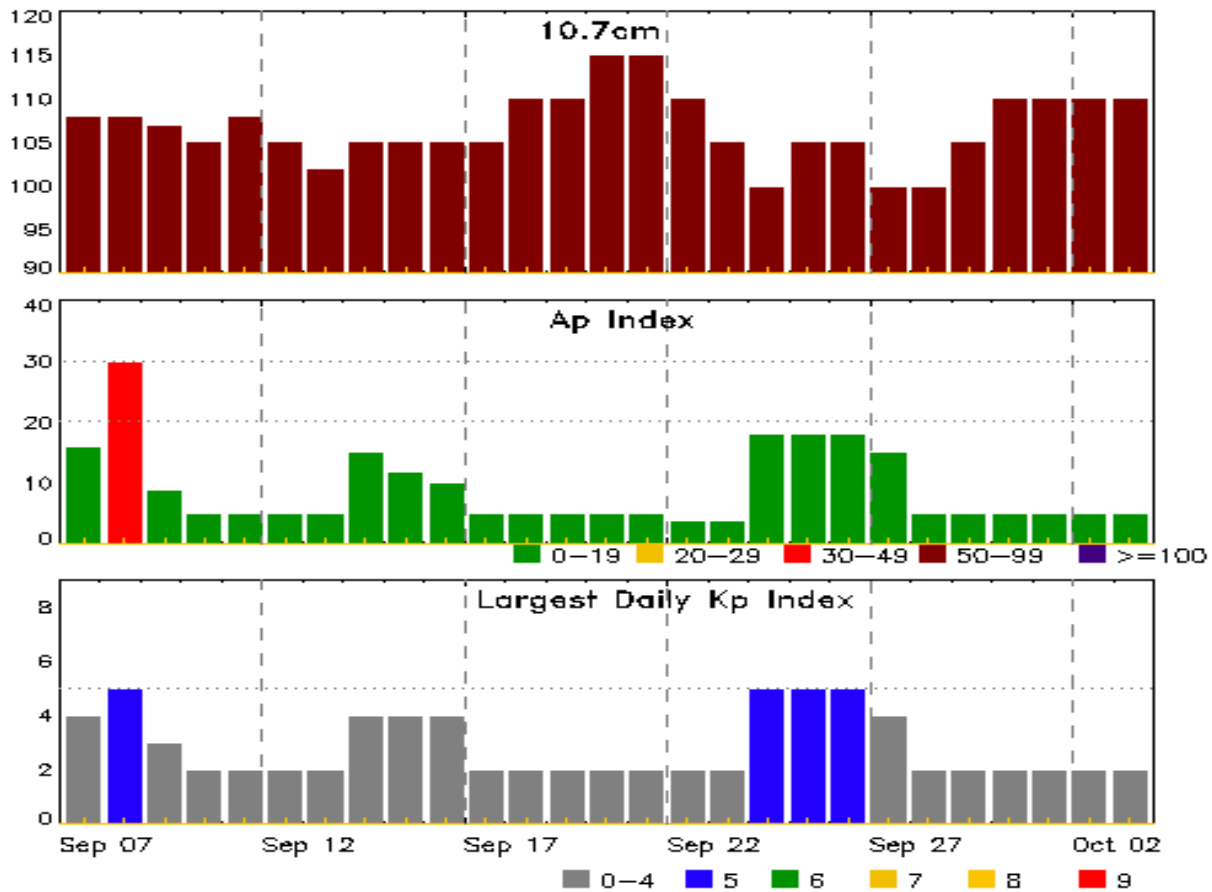


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
31 Aug 0858	WARNING: Geomagnetic K = 4	31/0858 - 1500
31 Aug 1147	ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	31/1146
01 Sep 0737	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	31/1146
02 Sep 1014	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	31/1146
02 Sep 1945	ALERT: Type II Radio Emission	02/1919
02 Sep 1955	ALERT: Type IV Radio Emission	02/1920
03 Sep 1031	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	31/1146
03 Sep 1644	ALERT: Type II Radio Emission	03/1629
04 Sep 1208	CONTINUED ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	31/1146
04 Sep 2006	ALERT: Type II Radio Emission	04/1922
04 Sep 2007	ALERT: Type IV Radio Emission	04/1924
05 Sep 1555	WARNING: Proton 100MeV Integral Flux $>$ 1pfu	05/1554 - 2359
05 Sep 1556	ALERT: Proton Event 100MeV Integral Flux $>$ 1pfu	05/1552
05 Sep 1620	WARNING: Proton 10MeV Integral Flux $>$ 10pfu	05/1620 - 2359
05 Sep 1633	ALERT: Proton Event 10MeV Integral Flux $\geq$ 10pfu	05/1615
05 Sep 2339	CANCELLATION: Proton 100MeV Integral Flux $>$ 1pfu	
05 Sep 2341	SUMMARY: Proton Event 100MeV Integral Flux $>$ 1pfu	05/1545 - 1615
05 Sep 2358	EXTENDED WARNING: Proton 10MeV Integral Flux $>$ 10pfu	05/1620 - 06/1200
06 Sep 1155	SUMMARY: Proton Event 10MeV Integral Flux $\geq$ 10pfu	05/1615 - 2135
06 Sep 1212	WATCH: Geomagnetic Storm Category G1 predicted	
06 Sep 1824	ALERT: Electron 2MeV Integral Flux $\geq$ 1000pfu	06/1822



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
07 Sep	108	16	4	21 Sep	115	5	2
08	108	30	5	22	110	4	2
09	107	9	3	23	105	4	2
10	105	5	2	24	100	18	5
11	108	5	2	25	105	18	5
12	105	5	2	26	105	18	5
13	102	5	2	27	100	15	4
14	105	15	4	28	100	5	2
15	105	12	4	29	105	5	2
16	105	10	4	30	110	5	2
17	105	5	2	01 Oct	110	5	2
18	110	5	2	02	110	5	2
19	110	5	2	03	110	5	2
20	115	5	2				

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
02 Sep	1857	1920	1948	M3.0	0.057				4524		2	2
04 Sep	0745	0753	0800	M1.2	0.006	1N	N14E71		4524			
05 Sep	1504	1518	1527	M1.0	0.007	1F	S12W65		4520	350		

Flare List

Date	Time			X-ray Class	Imp/ Brtns	Optical		Rgn #
	Begin	Max	End			Location Lat CMD		
31 Aug	0309	0320	0331	B9.7				4518
31 Aug	0331	0333	0335	C1.0				4518
31 Aug	0635	0638	0643	B6.8				
31 Aug	0643	0700	0730	B8.1				
31 Aug	1159	1207	1218	B9.9	SF	S14E01		4520
31 Aug	1328	1342	1357	B9.6				
31 Aug	1357	1414	1417	C1.4				4520
31 Aug	1417	1425	1429	C1.4				
31 Aug	1429	1441	1450	C1.6				
31 Aug	1509	1516	1521	C2.6	SF	S12E01		4520
31 Aug	1807	1822	1854	B9.9				
01 Sep	0729	0736	0740	B7.7				
01 Sep	1222	1238	1303	B9.3				
01 Sep	1303	1308	1311	B7.9				4520
01 Sep	1814	1822	1825	B5.9				
01 Sep	1831	1836	1841	B6.4				
01 Sep	2104	2110	2112	C5.7				
01 Sep	2240	2246	2254	C1.1				
01 Sep	2317	2338	2358	C1.9				
02 Sep	0136	0139	0141	B6.1				4524
02 Sep	1309	1321	1327	C1.2				4524
02 Sep	1533	1547	1604	C1.3				4524
02 Sep	1618	1630	1639	C1.5				4524
02 Sep	1857	1920	1948	M3.0				4524
03 Sep	0117	0130	0144	B8.9				4524
03 Sep	0507	0512	0516	B6.0				4520
03 Sep	0539	0543	0546	B7.0				4523
03 Sep	0629	0633	0636	B6.2				4523



Flare List

Date	Time			X-ray Class	Optical		
	Begin	Max	End		Imp/ Brtns	Location Lat CMD	Rgn #
03 Sep	0659	0706	0708	B6.9			4523
03 Sep	0935	0942	0948	C2.2	SF	N10E43	4523
03 Sep	1140	1147	1150	C1.1	SF	N10E43	4523
03 Sep	1152	1159	1205	C4.2	SF	N10E42	4523
03 Sep	1436	1446	1452	C6.9	SB	N13E40	4523
03 Sep	1444	1445	1447		SF	N09E39	4521
03 Sep	1613	1630	1822	C7.9	SN	N14E71	4524
03 Sep	1822	1829	1833	C3.0	SN	N11E38	4523
03 Sep	1944	1948	1954		SF	N11E37	4523
03 Sep	1955	2003	2037	C3.7	SB	N11E37	4523
03 Sep	2009	2011	2021		SF	N11E70	4524
04 Sep	0238	0244	0250	C1.5			
04 Sep	0608	0615	0745	C1.3			4527
04 Sep	0745	0753	0800	M1.2	1N	N14E71	4524
04 Sep	1111	1119	1129	C7.1	SF	N13E73	4524
04 Sep	1258	1305	1312	C2.1	SF	N07E82	4527
04 Sep	1513	1527	1553	C1.3			4518
04 Sep	1902	1930	1941	C6.7	SF	N12E54	4524
04 Sep	2016	2017	2020		SF	N07E81	4527
04 Sep	2102	2121	2131	C1.2			4526
04 Sep	2233	2241	2246	B9.5			4525
05 Sep	0345	0353	0359	B6.2			4526
05 Sep	1024	1045	1056	C6.4	1N	N12E46	4524
05 Sep	1156	1202	1211	C1.5			4524
05 Sep	1504	1518	1527	M1.0	1F	S12W65	4520
05 Sep	1533	1534	1541		SF	N10E61	4525
05 Sep	1732	1746	1753	C8.5	2N	N11E41	4524
06 Sep	0455	0503	0517	B8.4			4524
06 Sep	0759	0802	0810		SF	N13E41	4524
06 Sep	1031	1042	1048	C5.0	1N	N12E31	4524
06 Sep	1315	1334	1351	C1.1			4528



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
<i>Region 4513</i>																
19 Aug	N03E81		47	100	6	Dao	2	B	2	1						
20 Aug	N04E69		46	180	8	Dac	12	B	10	3		5	1			
21 Aug	N04E55		48	200	14	Eac	12	BGD	7			5				
22 Aug	N04E39		50	260	14	Ekc	18	BG	1			3				
23 Aug	N04E25		50	260	12	Ekc	24	BG	7			5	2			
24 Aug	N04E10		53	280	14	Ekc	26	BGD	3	1		3	1			
25 Aug	N04W04		54	310	13	Ekc	21	BGD	3	4		6	3			
26 Aug	N04W17		54	190	10	Dac	14	BG	1	2		2	1			
27 Aug	N04W29		52	150	10	Dac	12	BGD	5			4				
28 Aug	N04W43		53	120	8	Dai	12	B	1			2				
29 Aug	N04W58		55	70	5	Dai	5	B								
30 Aug	N05W73		57	30	2	Cro	4	B	1			1				
31 Aug	N05W88		58	10	3	Cro	2	B								
									41	11	0	36	8	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 54

Region 4515

21 Aug	S08E63	40	10	1	Hrx	1	A								
22 Aug	S08E49	40	40	2	Hsx	1	A								
23 Aug	S07E36	39	30	1	Hsx	1	A								
24 Aug	S08E23	40	30	2	Hsx	1	A								
25 Aug	S07E09	41	30	2	Hsx	1	A								
26 Aug	S07W04	41	20	1	Hsx	1	A								
27 Aug	S07W18	41	20	2	Hsx	1	A								
28 Aug	S07W31	41	30	1	Hsx	1	A								
29 Aug	S07W43	40	20	1	Hsx	1	A								
30 Aug	S07W56	40	10	1	Axx	1	A								
31 Aug	S07W71	41	plage												
01 Sep	S07W85	42	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 41



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 4517															
22 Aug	N10E25	64	10	4	Bxo	2	B								
23 Aug	N10E11	64	20	5	Dao	5	B				1				
24 Aug	N10W03	66	120	8	Dao	9	B								
25 Aug	N10W17	67	150	8	Dai	13	BG				2				
26 Aug	N09W31	68	170	9	Dai	13	BG								
27 Aug	N09W44	67	140	10	Dso	7	B				1				
28 Aug	N09W58	68	150	11	Eso	7	B								
29 Aug	N09W72	69	180	11	Eai	7	B	2			1				
30 Aug	N09W85	69	110	10	Dao	6	B								
								2	0	0	5	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 66

<i>Region 4518</i>															
26 Aug	N07E43	354	30	3	Cri	5	B	2			2				
27 Aug	N07E30	353	10	4	Bxo	5	B								
28 Aug	N08E19	351	20	7	Cro	7	B								
29 Aug	N08E06	351	10	3	Bxo	3	B								
30 Aug	N06W09	353	20	1	Cro	6	B				2				
31 Aug	N07W24	354	20	4	Cro	6	B	1							
01 Sep	N08W37	354	plage												
02 Sep	N08W51	355	10	1	Axx	2	A								
03 Sep	N08W65	356	plage												
04 Sep	N08W79	357	plage					1							
								4	0	0	4	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 351



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 4519

26 Aug	N28E53	344	10	2	Bxo	3	B								
27 Aug	N27E40	343	10	1	Axx	1	A								
28 Aug	N27E25	345	10	1	Axx	1	A								
29 Aug	N27E11	346	plage												
30 Aug	N27W03	347	plage												
31 Aug	N27W17	347	plage												
01 Sep	N27W31	348	plage												
02 Sep	N27W45	349	plage												
03 Sep	N27W59	350	plage												
04 Sep	N27W73	351	plage												
05 Sep	N27W87	351	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 347

Region 4520

28 Aug	S13E34	336	10	5	Bxo	4	B								
29 Aug	S12E20	337	30	5	Cro	7	B								
30 Aug	S12E08	336	30	6	Dro	7	B								
31 Aug	S12W07	337	40	6	Dai	9	B	2			2				
01 Sep	S12W20	337	40	6	Dai	10	B								
02 Sep	S12W33	337	10	4	Bxo	4	B								
03 Sep	S12W48	339	plage												
04 Sep	S12W62	340	plage												
05 Sep	S12W76	340	plage						1			1			
06 Sep	S12W90	341	plage												
								2	1	0	2	1	0	0	0

Still on Disk.

Absolute heliographic longitude: 337



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		

Region 4521

31 Aug	N09E67	264	60	2	Hsx	1	A								
01 Sep	N09E53	264	50	3	Hsx	2	A								
02 Sep	N09E39	265	80	2	Hsx	2	A								
03 Sep	N09E26	265	80	3	Hsx	2	A				1				
04 Sep	N09E12	266	80	3	Hsx	1	A								
05 Sep	N09W02	266	80	3	Hsx	1	A								
06 Sep	N09W15	266	90	4	Hsx	2	A								
								0	0	0	1	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 266

Region 4522

31 Aug	N13W15	345	10	3	Bxo	2	B								
01 Sep	N13W27	344	10	3	Bxo	2	B								
02 Sep	N13W42	346	10	1	Axx	1	A								
03 Sep	N13W56	347	plage												
04 Sep	N13W70	348	plage												
05 Sep	N13W84	348	plage												
								0	0	0	0	0	0	0	0

Crossed West Limb.

Absolute heliographic longitude: 345

Region 4523

31 Aug	N10E77	253	40	3	Hax	1	A								
01 Sep	N10E63	254	30	2	Hax	1	A								
02 Sep	N11E49	255	30	2	Cso	3	B								
03 Sep	N10E36	255	30	3	Cao	4	B	6			7				
04 Sep	N10E23	255	20	2	Hsx	2	A								
05 Sep	N10E09	255	20	2	Cso	3	B								
06 Sep	N10W05	256	10	1	Axx	1	A								
								6	0	0	7	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 256



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 4524															
02 Sep	N12E78	226	30	1	Hax	1	A	3	1						
03 Sep	N12E66	225	60	2	Hax	1	A	1			2				
04 Sep	N12E53	225	80	4	Dso	3	B	2	1		2	1			
05 Sep	N12E40	224	100	4	Cso	3	B	3				1	1		
06 Sep	N12E26	225	100	3	Cao	4	BG	1			1	1			
								10	2	0	5	3	1	0	0

Still on Disk.

Absolute heliographic longitude: 225

Region 4525

04 Sep	N11E66	212	10	3	Bxo	3	B								
05 Sep	N11E52	212	10	1	Axx	1	A				1				
06 Sep	N11E38	213	plage												
								0	0	0	1	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 213

Region 4526

04 Sep	S02E69	209	10	2	Bxo	2	B	1							
05 Sep	S02E55	209	10	1	Axx	1	A								
06 Sep	S02E42	209	10	7	Bxo	2	B								
								1	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 209

Region 4527

04 Sep	N03E71	207	60	8	Hsx	1	A	2			1				
05 Sep	N04E57	207	160	3	Hsx	1	A								
06 Sep	N04E44	207	180	3	Hsx	2	A								
								2	0	0	1	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 207

Region 4528

06 Sep	S11E64	187	80	2	Hsx	1	A	1							
								1	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 187



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 4529</i>													
06 Sep	N13E63	188	100	2	Hsx	1	A	0	0	0	0	0	0	0	0

Still on Disk.

Absolute heliographic longitude: 188



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

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
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Guide

