Solar activity was at low levels over 25-27 and 29 Sep with only C-class flare activity observed. Moderate activity levels were observed on 28, 30 Sep, and 01 Oct due to R1 (Minor) events from regions that emerged in the eastern hemisphere during the latter half of the week. Region 3450 (S19, L=329, class/area=Eai/180 on 01 Oct) produced an M1.2/Sf flare at 28/0907 UTC. Region 3451 (N14, L=300, class/area=Dai/80 on 30 Sep) produced an M1.2 flare at 30/1635 UTC. Region 3452 (N11, L=300, class/area=Dai/120 on 01 Oct) produced an M2.5 flare at 01/0132 UTC. CMEs associated with the above-mentioned M-flare activity were all determined to be misses directed east of the Sun-Earth line. A CME associated with a C9.9 flare at 25/0813 UTC from Region 3445 (S14, L=075, class/area=Dai/220 on 25 Sep) resulted in a glancing blow arrival on 29 Sep. No other Earth-directed CMEs were detected.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached high levels on 27-30 Sep, with moderate levels observed throughout the remainder of the period.

Geomagnetic field activity reached G1 (Minor) storm levels on 25-26 Sep, and active levels on 27 Sep, due to effects associated with the passage of CMEs from 22 Sep as well as likely negative polarity CH HSS influences. Quiet and unsettled conditions were observed on 28 Sep. Active conditions were observed on 29 Sep in response to the arrival of a CME from 25 Sep. Quiet to unsettled conditions were observed on 30 Sep, with quiet to active conditions observed on 01 Oct, due to prolonged periods of southward magnetic field.

Space Weather Outlook 02 October - 28 October 2023

Solar activity is expected to be low with a chance for M-class flare activity throughout the 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 03-07 Oct, with normal to moderate levels expected for the remainder of the outlook period.

Geomagnetic field activity is expected to reach active levels on 02-03, and 05 Oct due to positive polarity CH HSS influences. Quiet and quiet to unsettled levels are expected to persist throughout the remainder of the period.



Daily Solar Data

	Radio	Sun	Sunspot	X-ray				I	Flares				
	Flux	spot	Area	Background	_	Σ	K-ray	<u>/</u>		O	ptica	ıl	
Date	10.7cm	No.	(10 ⁻⁶ hemi.)	Flux	(<u>C</u>	M	X	S	1	2	3	4
25 September	170	164	940	C1.5		8	0	0	10	0	0	0	0
26 September	165	179	925	C1.2		6	0	0	7	0	0	0	0
27 September	156	138	835	C1.0		8	0	0	8	0	0	0	0
28 September	148	109	640	C1.0		8	1	0	6	0	0	0	0
29 September	155	102	570	C1.0		8	0	0	10	0	0	0	0
30 September	159	106	580	C1.3		15	1	0	20	3	0	0	0
01 October	161	136	580	C1.3		14	1	0	20	0	0	0	0

Daily Particle Data

	Proton F (protons/cm		Electron Fluence (electrons/cm ² -day -sr)
Date	>1 MeV	>10 MeV	>2MeV
25 September	2.8e+07	2.5e+04	1.1e+06
26 September	4.0e + 06	1.8e + 04	1.1e+07
27 September	2.0e+06	1.8e + 04	7.4e+07
28 September	2.3e+05	1.8e + 04	5.1e+07
29 September	5.0e+05	1.8e + 04	8.9e+07
30 September	7.5e + 04	1.8e + 04	7.5e+07
01 October	3.7e+04	1.9e+04	1.2e+07

Daily Geomagnetic Data

	Mi	ddle Latitude	H	igh Latitude	Estimated			
	Fre	edericksburg		College	Planetary			
Date	A	K-indices	A K-indices		A	K-indices		
25 September	15	4-4-3-3-3-2-2-2	24	4-5-3-5-4-3-2-2	23	5-5-3-3-4-2-2-2		
26 September	26	3-4-5-4-5-3-3-3	68	1-3-7-7-6-3-2	32	3-4-5-5-5-4-3-3		
27 September	12	3-3-3-3-2-2-1	17	4-2-4-4-3-2-0	15	4-3-3-3-3-2-1		
28 September	5	1-2-0-2-2-1-2	2	1-1-0-2-0-0-0-1	6	2-3-1-2-1-1-2		
29 September	13	2-2-3-4-4-3-1-1	27	1-3-6-6-4-1-1-1	12	2-2-4-4-3-1-1-1		
30 September	11	1-2-4-2-3-2-2-3	18	2-1-4-4-4-3-2	10	2-2-3-2-2-2-3		
01 October	9	4-2-2-2-2-1-2	10	3-2-2-3-4-1-1-1	27	4-2-2-2-1-1-2		



Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC
25 Sep 0201	ALERT: Geomagnetic K = 5	25/0156
25 Sep 0502	EXTENDED WARNING: Geomagnetic K = 5	5 24/2035 - 25/1500
25 Sep 0507	EXTENDED WARNING: Geomagnetic K = 4	4 24/2025 - 25/1800
25 Sep 0555	ALERT: Geomagnetic $K = 5$	25/0550
25 Sep 1536	EXTENDED WARNING: Geomagnetic K = 4	4 24/2025 - 26/0300
25 Sep 1654	WATCH: Geomagnetic Storm Category G1 predict	ed
26 Sep 0255	EXTENDED WARNING: Geomagnetic K = 4	4 24/2025 - 26/1200
26 Sep 0545	WARNING: Geomagnetic $K = 5$	26/0545 - 1200
26 Sep 0819	ALERT: Geomagnetic $K = 5$	26/0809
26 Sep 1050	ALERT: Geomagnetic $K = 5$	26/1031
26 Sep 1059	WARNING: Geomagnetic $K = 6$	26/1100 - 1500
26 Sep 1101	EXTENDED WARNING: Geomagnetic K = 5	5 26/0545 - 1800
26 Sep 1101	EXTENDED WARNING: Geomagnetic K = 4	4 24/2025 - 26/2100
26 Sep 1306	ALERT: Geomagnetic $K = 5$	26/1305
26 Sep 1447	EXTENDED WARNING: Geomagnetic $K = 6$	5 26/1100 - 23/1800
26 Sep 1449	EXTENDED WARNING: Geomagnetic $K = 6$	5 26/1100 - 1800
26 Sep 2054	EXTENDED WARNING: Geomagnetic K = 4	4 24/2025 - 27/0300
27 Sep 0255	EXTENDED WARNING: Geomagnetic $K = 4$	4 24/2025 - 27/0900
27 Sep 0835	EXTENDED WARNING: Geomagnetic K = 4	4 24/2025 - 27/1500
27 Sep 1246	ALERT: Electron 2MeV Integral Flux >= 1000pf	u 27/1230
28 Sep 1406	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	27/1230
29 Sep 0832	WARNING: Geomagnetic $K = 4$	29/0830 - 1500
29 Sep 0905	ALERT: Geomagnetic $K = 4$	29/0859
29 Sep 1212	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	27/1230
29 Sep 1455	EXTENDED WARNING: Geomagnetic K = 4	4 29/0830 - 2100
30 Sep 0737	CONTINUED ALERT: Electron 2MeV Integral Flux >= 1000pfu	27/1230
01 Oct 0050	WARNING: Geomagnetic K = 4	01/0050 - 1200

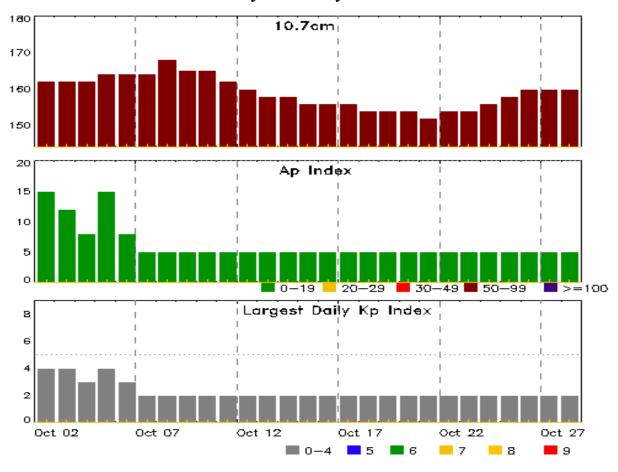


Alerts and Warnings Issued

Date & Time of Issue UTC	Type of Alert or Warning	Date & Time of Event UTC	
01 Oct 0101	ALERT: Geomagnetic K = 4	01/0059	



Twenty-seven Day Outlook



Date	Radio Flux 10.7cm	Planetary A Index	Largest Kp Index	Date	Radio Flux 10.7cm	•	Largest Kp Index
Date	10.70111	71 macx	Kp macx	Date	10.7011	71 Hidex	Kp macx
02 Oct	162	15	4	16 Oct	156	5	2
03	162	12	4	17	156	5	2
04	162	8	3	18	154	5	2
05	164	15	4	19	154	5	2
06	164	8	3	20	154	5	2
07	164	5	2	21	152	5	2
08	168	5	2	22	154	5	2
09	165	5	2	23	154	5	2
10	165	5	2	24	156	5	2
11	162	5	2	25	158	5	2
12	160	5	2	26	160	5	2
13	158	5	2	27	160	5	2
14	158	5	2	28	160	5	2
15	156	5	2				



Energetic Events

		Time		X-ray		cal Informat	tion	P	eak	Sweep Freq	
		Half	•	Integ	Imp/	Location	Rgn	Radi	io Flux	Inter	sity
Date	Begin N	Max Max	Class	Flux	Brtns	Lat CMD	#	245	2695	II	IV
28 Sep	0858	0907	0911	M1.2	0.004	4 SF	S18E65	34	450		
30 Sep	1616	1635	1649	M1.2	0.018	3		34	451		
01 Oct	0110	0132	0143	M2.5	0.028	3		34	452		

Flare List

-						Optical	
		Time		X-ray	Imp/	Location Location	Rgn
Date	Begin	Max	End	Class	Brtns	Lat CMD	#
25 Sep	0346	0350	0354	C3.4			3443
25 Sep	0715	0813	0824	C9.9	SF	S16E01	3445
25 Sep	0927	U0928	0931		SF	S18E01	3445
25 Sep	0942	0944	0946		SF	S11E01	3445
25 Sep	0957	U1012	1013		SF	S22E17	3447
25 Sep	1022	1030	1032		SF	S22E17	3447
25 Sep	1040	1041	1048		SF	N19W03	3440
25 Sep	1145	1146	1149		SF	S22E17	3447
25 Sep	1221	U1242	1256		SF	S22E17	3447
25 Sep	1300	1300	1303		SF	N26W72	3443
25 Sep	1430	1437	1441	C2.5			3448
25 Sep	1856	1901	1909	C4.3			3445
25 Sep	1923	1923	1932		SF	N09W31	3435
25 Sep	2049	2104	2125	C2.8			
25 Sep	2208	2223	2227	C3.0			
25 Sep	2227	2231	2235	C3.3			
25 Sep	2358	0004	0009	C2.6			
26 Sep	0422	0428	0441	C5.7	SF	S18W11	3445
26 Sep	0815	0819	0830		SF	N11W50	3438
26 Sep	0839	0841	0844		SF	S11E01	3445
26 Sep	0910	0912	0914		SF	S17W15	3445
26 Sep	0937	0941	0945	C2.5			
26 Sep	1355	1416	1420	C4.3	SN	S17W13	3445
26 Sep	1442	1456	1507		SF	N17E50	
26 Sep	1444	1446	1450		SF	S15W16	3445
26 Sep	1615	1618	1623	C4.3			3445
26 Sep	1623	1629	1635	C3.2			3445
26 Sep	2319	2330	2337	C2.2			3435



Flare List

					(Optical	
		Time		X-ray	Imp/	Location	Rgn
Date	Begin	Max	End	Class	Brtns	Lat CMD	#
27 Sep	0035	0041	0045	C1.6			
27 Sep	0449	0455	0500	C2.0			
27 Sep	0532	0546	0612	C4.6			
27 Sep	0652	0653	0658		SF	N24W26	3444
27 Sep	0659	0700	0704		SF	N16E39	3449
27 Sep	0806	0806	0811		SF	N11W55	3435
27 Sep	0941	0947	0952	C2.6	SF	N16E38	3449
27 Sep	1004	1012	1021	C2.1			
27 Sep	1106	1111	1118		SF	N09W59	3435
27 Sep	1131	1134	1136		SF	N11W57	3435
27 Sep	1513	1522	1534	C2.0			3450
27 Sep	1528	1529	1533		SF	N09W59	3435
27 Sep	1829	1832	1838	C3.5	SN	N14E34	3449
27 Sep	2302	2310	2314	C1.4			
28 Sep	0010	0019	0023	C5.3	SF	S19E68	3450
28 Sep	0348	0353	0358	C1.5			3450
28 Sep	0358	0403	0407	C3.0			3450
28 Sep	0601	0611	0616	C3.4			3450
28 Sep	0732	0736	0741		SF	S14W39	3445
28 Sep	0858	0907	0911	M1.2	SF	S18E65	3450
28 Sep	1046	1051	1057	C1.9	SF	N14E23	3449
28 Sep	1222	1233	1240	C2.4			3450
28 Sep	1356	1404	1409	C3.0	SF	S23E72	3450
28 Sep	1707	1715	1720	C2.6	SF	S10W42	3445
29 Sep	0308	0317	0327	C1.7			3445
29 Sep	0546	0547	0550		SF	S19E55	3450
29 Sep	1007	1008	1010		SF	S20E54	3450
29 Sep	1137	1145	1205	C1.5			
29 Sep	1301	1316	1344	C1.9			
29 Sep	1448	1449	1453		SF	S20E52	3450
29 Sep	1714	1725	1732	C2.3			
29 Sep	1811	1824	1839	C7.5	SF	N17E79	
29 Sep	1825	1825	1829		SF	S13W56	3445
29 Sep	1915	1916	1924		SF	N15E79	
29 Sep	1917	1919	1924		SF	N17E08	3449
29 Sep	1950	1950	1958	C5.0	SF	N15E79	3449
29 Sep	2013	2019	2032		SF	N14E10	3449
29 Sep	2149	2158	2205	C1.8			



Flare List

					(Optical	
		Time		X-ray	Imp/	Location	Rgn
Date	Begin	Max	End	Class	Brtns	Lat CMD	#
29 Sep	2217	2228	2238	C3.9			3449
29 Sep	2256	2301	2304		SF	N15E76	
30 Sep	0038	0048	0055	C2.4			3445
30 Sep	0055	0115	0128	C4.2			3451
30 Sep	B0405	U0405	0415		SF	N15E76	
30 Sep	0456	0500	0501		SF	N15E72	
30 Sep	0535	0559	0611		1F	S15W65	3445
30 Sep	0551	0555	0558		SF	N15E72	
30 Sep	0556	0600	0606	C8.0			3445
30 Sep	0630	0631	0635		SF	S20E46	3450
30 Sep	0651	0656	0702	C2.4	SF	N14E71	3451
30 Sep	0707	0709	0711		SF	N14E71	
30 Sep	1040	1046	1056	C2.6	SF	N10E69	3451
30 Sep	1114	1114	1118		SF	N10E69	3451
30 Sep	1151	1157	1206	C9.6	SF	S18W68	3445
30 Sep	1205	U1210	1214		SF	N11E69	3451
30 Sep	1215	U1227	1305	C4.9	SF	N11E69	3451
30 Sep	1314	U1316	1323		SF	N15E70	3451
30 Sep	1326	1327	1328		SF	N10E70	3451
30 Sep	1359	1401	1407		SF	N15E70	3451
30 Sep	1405	1418	1432	C3.9			3447
30 Sep	1408	1411	1415		SF	N15E70	3451
30 Sep	1414	1416	1423		SF	S25W50	3447
30 Sep	1419	1442	1521		1F	S22E41	3450
30 Sep	1421	1604	1739		1N	N15E65	3451
30 Sep	1422	1636	1724		SF	S20E40	3450
30 Sep	1435	1444	1457	C5.1			3450
30 Sep	1439	U1440	1452		SF	N15E70	3451
30 Sep	1557	1607	1614	C6.3			3451
30 Sep	1616	1635	1649	M1.2			3451
30 Sep	1815	1825	1834	C4.7	SF	N13E62	3451
30 Sep	2026	2037	2056	C2.7	SF	N14E63	3451
30 Sep	2118	2138	2139	C6.2			3452
30 Sep	2139	2145	2152	C6.6			3450
30 Sep	2341	2355	0012	C2.8			
01 Oct	0040	0045	0051	C3.1			3452
01 Oct	0102	0106	0110	C3.0			3450
01 Oct	0110	0132	0143	M2.5			3452



Flare List

					(Optical Imp/ Brtns Location Lat CMD Rgn # SF N15E64 3451 SF S18E30 3450 SF N11E59 3451 SF S23E34 3450 SF S23E34 3450 SF S23E34 3450 SF S23E34 3450 SF N11E59 3451 SF N13W12 3449 SF N13W12 3449 SF N15E56 3451 SF N15E56 3451 SF N09E56 3452 SF S1E24 3450 3450 3450 SF					
		Time		X-ray	Imp/	Location	Rgn				
Date	Begin	Max	End	Class	Brtns	Lat CMD	#				
01 Oct	0321	0324	0330	C9.3			3445				
01 Oct	0408	0409	0419		SF	N15E64	3451				
01 Oct	0510	0515	0521	C3.6	SF	S18E30	3450				
01 Oct	0644	0704	0728		SF	N11E59	3451				
01 Oct	0727	0727	0730		SF	S23E34	3450				
01 Oct	0729	0818	0844		SF	N11E59	3451				
01 Oct	0740	0746	0751		SF	S23E34	3450				
01 Oct	0831	0833	0834		SF	S23E34	3450				
01 Oct	0848	0856	0902		SF	N11E59	3451				
01 Oct	0908	0915	0925	C2.5	SF	N13W12	3449				
01 Oct	0920	0925	0929		SF	N11E59	3451				
01 Oct	0939	0951	1001	C5.0	SF	N15E56	3451				
01 Oct	1023	1026	1030		SF	S21E26	3450				
01 Oct	1041	1050	1104		SF	N09E56	3452				
01 Oct	1105	1111	1125		SF	N09E56	3452				
01 Oct	1106	1114	1118	C3.6	SF	N15E56	3451				
01 Oct	1126	1127	1131		SF	N09E56	3452				
01 Oct	1133	1206	1208		SF	N09E56	3452				
01 Oct	1211	1337	1415		SF	N09E56	3452				
01 Oct	1405	1406	1418		SF	S21E24	3450				
01 Oct	1410	1429	1441	C2.9							
01 Oct	1441	1448	1502	C3.4			3452				
01 Oct	1911	1919	1925	C2.3			3450				
01 Oct	2008	2015	2021	C2.1			3450				
01 Oct	2107	2115	2136	C1.9	SF	S17E20	3450				
01 Oct	2230	2243	2253	C2.5			3450				
01 Oct	2300	2311	2322	C4.5			3449				



Region Summary

	Location	on	Su	nspot C	haracte	ristics					Flares	,			
		Helio	Area	Extent	Spot	Spot	Mag	X	-ray			0	ptica	1	
Date	Lat CMD	Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Dagi	on 3433												
		_													
12 Sep	N28E67	171	70	2	Hsx	1	A								
13 Sep	N28E53	172	80	2	Hsx	1	A								
14 Sep	N28E40	170	90	2	Hsx	1	A								
15 Sep	N28E28	170	90	2	Hsx	1	Α								
16 Sep	N28E10	175	80	2	Hsx	1	Α								
17 Sep	N28W04	176	90	3	Cao	3	В								
18 Sep	N28W13	172	70	5	Cso	2	В								
19 Sep	N28W25	170	90	4	Hsx	1	Α								
20 Sep	N28W41	173	90	2	Hsx	1	A								
21 Sep	N28W55	174	70	1	Hsx	1	A								
22 Sep	N28W66	172	60	2	Hsx	1	A								
23 Sep	N28W79	172	40	2	Hsx	1	A								
24 Sep	N28W92	171	40	1	Hsx	1	A								
Crossec	l West Lim	h.						0	0	0	0	0	0	0	0
	te heliograp		igitude: 1	76											
		Regi	on 3435												
16 Sep	N10E69	116	90	2	Dso	2	В								
17 Sep	N10E60	113	110	8	Dao	3	В	1							
17 Sep 18 Sep	N09E56	103	280	5	Cko	4	В	2			2				
19 Sep	N09E42	103	280	5	Dko	4	BD	2	3		1				
20 Sep	N09E29	102	300	4	Dki	4	BD	_	1		1				
20 Sep 21 Sep	N08E16	103	290	4	Dki	4	BD	1	1						
21 Sep 22 Sep	N09E03	103	280	4	Dki	6	В	1	1		5				
22 Sep 23 Sep	N09W10	103	270	6	Dki	10	В	1	1		3				
23 Sep 24 Sep	N10W23	103	300	6	Dki	16	BD	1			3				
_	N10W23	102	300	5	Dki	12	BGD	1			1				
25 Sep		103	200		Dai	16	ВD	1			1				
26 Sep	N09W51			6 5				1			4				
27 Sep	N10W65	105	190	5	Dso	7	В				4				
28 Sep	N10W77	104	90 50	3	Cso Hsx	3	В								
29 Sep	N10W92	105	30	3	пѕх	1	A	9	6	0	16	0	0	0	0
								9	O	U	10	U	U	U	U



	Location	on	Su	ınspot C	haracte]	Flares								
		Helio	Area	Extent	Spot	Spot	Mag	X	K-ray			O	ptica	ıl	
Date	Lat CMD	Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Rem	ion 3438												
40.0	N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	O													
18 Sep	N11E49	109	30	1	Hsx	1	A								
19 Sep	N10E34	110	60	1	Csi	8	BG	1							
20 Sep	N10E20	111	70	5	Cai	11	В	3			1				
21 Sep	N11E09	112	80	5	Dai	9	В	2			_				
22 Sep	N11W05	111	50	5	Bxi	12	В	1			2				
23 Sep	N12W19	112	10	4	Bxo	5	В								
24 Sep	N13W33	112	10	2	Bxo	6	В								
25 Sep	N12W46	112	10	1	Hrx	2	A								
26 Sep	N12W60	113	plage								1				
27 Sep	N12W74	114	plage												
28 Sep	N12W88	115	plage					_		_		_	_		_
								7	0	0	4	0	0	0	0
	West Lim														
Absolut	e heliograp	hic lo	ngitude: 1	11											
		Pom	ion 3439												
		O					_								
18 Sep	S23E57	101	60	5	Dao	7	В								
19 Sep	S24E43	101	50	2	Cao	3	В								
20 Sep	S25E32	100	30	3	Cao	2	В								
21 Sep	S25E18	101	40	1	Hsx	1	A								
22 Sep	S24E05	98	30	3	Cao	2	В								
23 Sep	S24W08	101	20	1	Hrx	2	A								
24 Sep	S24W21	100	20	1	Hrx	1	A								
25 Sep	S23W35	101	10	1	Axx	1	A								
26 Sep	S23W49	102	plage												
27 Sep	S23W63	103	plage												
28 Sep	S23W77	104	plage												
								0	0	0	0	0	0	0	0

Died on Disk. Absolute heliographic longitude: 98



	Locatio	n	Su	nspot C	haracte	ristics					Flares	5					
		Helio	Area	Extent	Spot	Spot	Mag	X	K-ray			О	ptica	ıl			
Date	Lat CMD	Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4		
		Rom	ion 3440														
10.6		•		•		•											
18 Sep	N17E74	84	60	2	Hsx	2	A										
19 Sep	N17E60	84	70	8	Cso	2	В										
20 Sep	N17E46	85	60	1	Hsx	1	A										
21 Sep	N17E33	86	60	1	Hsx	1	A										
22 Sep	N18E21	85	60	2	Hsx	1	A										
23 Sep	N18E07	86	60	2	Hsx	1	A										
24 Sep	N18W05	84	60	2	Hsx	1	Α										
25 Sep	N18W19	85	70	2	Hsx	1	Α				1						
26 Sep	N18W33	86	40	1	Hsx	2	Α										
27 Sep	N18W47	87	30	1	Hsx	1	Α										
28 Sep	N18W58	85	20	1	Hrx	1	Α										
29 Sep	N18W72	85	10	1	Axx	1	Α										
30 Sep	N18W85	85	10	1	Axx	1	A										
								0	0	0	1	0	0	0	0		
	West Limb																
Absolut	e heliograp	hic loi	ngitude: 8	4													
		Dag	ion 3441														
		_															
19 Sep	N09E11	133	20	2	Cro	3	В										
20 Sep	N08W03	134	20	3	Cro	4	В										
21 Sep	N08W16	135	50	4	Dri	6	BG										
22 Sep	N08W30	136	30	8	Cri	8	В										
23 Sep	N07W47	140	50	7	Dri	14	BG										
24 Sep	N07W61	140	40	8	Cai	12	В										
25 Sep	N06W75	141	20	5	Cao	5	В										
26 Sep	N06W89	142	20	5	Cao	5	В										
<i>a</i> 1								0	0	0	0	0	0	0	0		



	Location	on	Su	Sunspot Characteristics							Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X	K-ray		- <u></u>	O	ptica	ıl				
Date	Lat CMD	Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4			
		Reg	ion 3442															
20 Sep	S11E52	79	50	1	Csi	5	В	2			3							
21 Sep	S10E39	80	30	3	Csi	7	BG	1										
22 Sep	S09E25	81	30	2	Hsx	1	A				4							
23 Sep	S09E12	81	30	1	Hsx	1	A											
24 Sep	S09W00	79	20	1	Hrx	1	A											
25 Sep	S09W14	80	20	1	Hax	1	A											
26 Sep	S09W28	81	20	1	Hrx	1	A											
27 Sep	S09W41	81	5	1	Axx	1	A											
28 Sep	S09W55	82	plage															
29 Sep	S09W69	82	plage															
30 Sep	S09W83	83	plage															
								3	0	0	7	0	0	0	0			
Crossed	West Lim	b.																
Absolut	e heliograp	hic lo	ngitude: 7	9														
		Regi	ion 3443															
21 Sep	N27W26	145	40	7	Dao	7	В	2			1							
22 Sep	N28W40	146	150	10	Dai	15	BG	4	3		7	1						
23 Sep	N28W54	147	260	10	Dki	15	BD	7	_		4	_						
24 Sep	N28W68	148	250	11	Eko	8	BG	1	1		3							
25 Sep	N28W81	147	240	11	Eso	6	BG	1			1							
26 Sep	N26W95	148	240	11	Eso	6	BG	-										
r								15	4	0	16	1	0	0	0			



	Location	on	Su	nspot C	haracte	ristics		Flares							
		Helio	Area	Extent	Spot	Spot	Mag	X	K-ray			O	ptica	.1	
Date	Lat CMD	Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Regi	ion 3444												
21 Sep	N24E37	82	10	6	Bxo	3	В								
22 Sep	N24E28	78	10	1	Axx	1	A								
23 Sep	N24E14	79	10	1	Axx	1	A								
24 Sep	N24W00	79	plage												
25 Sep	N24W14	80	plage												
26 Sep	N22W27	80	5	1	Axx	1	A								
27 Sep	N22W41	81	plage								1				
28 Sep	N22W55	82	plage												
29 Sep	N22W69	82	plage												
30 Sep	N22W83	83	plage												
	l West Limbe heliograp		ngitude: 7	9				0	0	0	1	0	0	0	0
		Regi	ion 3445												
22 Sep	S15E33	73	100	6	Dai	9	В								
23 Sep	S15E19	74	180	7	Dri	24	В	10			2	1			
24 Sep	S14E05	74	200	8	Dai	24	BD	15	1		5	1			
25 Sep	S14W09	75	220	7	Dai	32	BD	2			3				
26 Sep	S13W23	76	210	9	Dai	37	BG	4			5				
27 Sep	S13W37	77	200	9	Dai	22	В								
28 Sep	S14W49	76	140	8	Dao	9	В	1			2				
29 Sep	S14W65	78	60	10	Cao	3	В	1			1				
30 Sep	S14W79	75	50	2	Hsx	1	A	3			1	1			
•								36	1	0	19	3	0	0	0



	Location	on	Su	ınspot C	haracte	ristics		Flares								
		Helio	Area	Extent	Spot	Spot	Mag	X	K-ray			О	ptica	1		
Date	Lat CMD	Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4	
		Regi	on 3446													
22 Sep	N23E63	43	10	5	Bxo	3	В									
23 Sep	N23E47	46	10	1	Axx	2	A									
24 Sep	N23E34	45	10	1	Axx	2	A									
25 Sep	N23E20	46	plage													
26 Sep	N23E06	47	plage													
27 Sep	N23W08	48	plage													
28 Sep	N23W22	49	plage													
29 Sep	N23W36	49	plage													
30 Sep	N23W50	50	plage													
01 Oct	N23W64	51	plage													
								0	0	0	0	0	0	0	0	
Still on	Disk.															
	te heliograp	hic lor	ngitude: 4	7												
		Regi	on 3447													
25 Sep	S23E08	58	10	8	Dao	3	В				4					
26 Sep	S22W06	59	70	7	Dao	6	В									
27 Sep	S22W19	59	180	6	Dao	14	В									
28 Sep	S22W31	58	120	7	Csi	7	В									
29 Sep	S22W45	58	90	7	Cao	3	В									
30 Sep	S22W57	57	80	4	Cso	3	В	1			1					
01 Oct	S23W72	59	70	2	Hsx	1	A									
								1	0	0	5	0	0	0	0	
Still on	Disk.															
	te heliograp	hic lor	ngitude: 5	9												
		Regi	on 3448													
25 Sep	N14E73	353	40	8	Hsx	1	A	1								
26 Sep	N13E59	354	90	2	Hsx	1	A	-								
27 Sep	N13E45	355	130	2	Hsx	1	A									
28 Sep	N13E33	354	110	2	Hsx	2	A									
29 Sep	N13E19	354	100	2	Hsx	1	A									
30 Sep	N13E06	354	80	2	Hsx	1	A									
01 Oct	N13W06	353	80	2	Hsx	1	A									
	00	200		_		-		1	0	0	0	0	0	0	0	
Still on	Dielz							_	-	-	-	-	-	-	-	

Still on Disk. Absolute heliographic longitude: 354



Location Sunspot Characteristics Flares																
	Locatio								-		Flares					
.	Y . (C) (D)	Helio	Area	Extent	_	_	Mag		K-ray			Optical				
Date	Lat CMD	Lon I	0 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4	
		Regio	n 3449													
26 Sep	N15E47	6	30	5	Cro	4	BG									
27 Sep	N15E33	7	70	9	Cao	10	BG	2			3					
28 Sep	N15E16	11	90	10	Dao	9	В	1			1					
29 Sep	N15E03	9	120	10	Csi	10	В	2			3					
30 Sep	N15W09	9	110	9	Csi	10	В									
01 Oct	N15W22	9	40	8	Cso	8	В	2	0	0	1	0	0	0	0	
C4:11 on	Diale							7	0	0	8	0	0	0	0	
Still on Disk. Absolute heliographic longitude: 9																
		Dagia	m 2450													
25.2	010717	_	n 3450	-	~	_	_	_								
27 Sep	S18E66	334	30	2	Cro	2	В	1			2					
28 Sep	S19E58	329	70	10	Dai	8	В	6	1		3					
29 Sep	S19E43	330	140	11	Eai	13	BG	2			3	1				
30 Sep	S19E31	329	170	11	Eai	12	BG	2			2 7	1				
01 Oct	S19E18	329	180	12	Eai	20	BG	6 15	1	0	15	1	0	0	0	
Still on Absolut	Disk. e heliograp	hic long	gitude: 3	29				15	-	O	15	•	Ü	Ü	· ·	
		Regio	n 3451													
30 Sep	N14E60	300	80	7	Dai	8	BD	7	1		11	1				
01 Oct	N16E48	299	50	6	Dri	7	BD	2	•		7	•				
								9	1	0	18	1	0	0	0	
Still on Absolut	Disk. e heliograp	hic long	gitude: 2	99												
		Regio	n 3452													
30 Sep	N12E62	298	plage					1								
01 Oct	N11E47	300	120	8	Dai	12	В	2	1		5					
01 000	111217	200	120	C	Dui	12	2	3	1	0	5	0	0	0	0	
Still on																
Absolut	e heliograp	hic long	gitude: 3	00												
		Regio	n 3453													
01 Oct	N12E11	336	20	4	Cro	6	В									
Still on Absolut	Disk. e heliograp	hic long	gitude: 3	36				0	0	0	0	0	0	0	0	



	Location		Su	Sunspot Characteristics					Flares							
		Area	Extent	Spot	Spot	X-ray				Optical						
Date	Lat CMD	Lon	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4	
01 Oct	S12E64	283	20	1	Hrx	1	A	0	0	0	0	0	0	0	0	

Still on Disk. Absolute heliographic longitude: 283



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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