Solar activity was at very low to moderate levels. Region 2871 (S27, L=357, class/area=Dao/310 on 21 Sep) produced the largest flare of the period, an M2/1n flare at 23/0444 UTC. Associated with the flare was a Type II radio sweep (966 km/s) followed by a Type IV radio sweep. A subsequent CME signature was observed in SOHO/LASCO C2 coronagraph imagery. Analysis and modeling of the event suggested most of the ejecta was away from the Sun-Earth line but a glancing blow from the periphery of the CME may be possible on 27 Sep. An additional M1/1n flare was produced by the same region at 23/1528 UTC. A subsequent CME signature associated with the event was also analyzed with a similar potential for the periphery of the ejecta to influence Earth around 27 Sep.

Other activity included a Type II radio sweep (739 km/s) associated with an eruption around Region 2875 (S32, L=053, class/area Bxo/010 on 24 Sep). The associated CME signature was narrow and directed away from the Sun-Earth line. Most numbered active regions were in decay and they transited through the W hemisphere with most decaying to plage by the end of the period. The remaining numbered regions in the E hemisphere were relatively simple and quiet.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit was at normal to moderate levels throughout the reporting period.

Geomagnetic field activity ranged from quiet to active levels. Active levels were observed on 22 Sep in response to a SSBC followed by influence from positive polarity CH HSS. Unsettled conditions were observed on 21 Sep, and 23-25 Sep due to coronal hole activity. The remainder of the reporting period was quiet.

Space Weather Outlook 27 September - 23 October 2021

Solar activity is expected to range from very low to low levels. Low levels are likely on 27-29 Sep and very low levels are likely for the remainder of the outlook period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach moderate to high levels. High levels are likely on 29 Sep - 02 Oct, 05-08 Oct and 20-21 Oct due primarily to influence from multiple, recurrent CH HSSs. Normal to moderate levels are expected for the remainder of the outlook period.

Geomagnetic field activity is expected to range from quiet to G2 (Moderate) geomagnetic storm conditions. G1-G2 (Minor-Moderate) conditions are likely on 27 Sep in response to combined effects of an anticipated positive polarity CH HSS and possible glancing blow from a CME that



left the Sun on 23 Sep. Active conditions associated with coronal hole activity are likely on 28-29 Sep, 05 Oct, 10 Oct and 19 Oct. Unsettled conditions are likely on 04 Oct, 18 Oct and 20-21 Oct. The remainder of the outlook period is expected to be at quiet levels.



Daily Solar Data

	Radio	Sun	Sunspot	X-ray			I	Flares				
	Flux	spot	Area	Background		X-ray	У	- <u></u>	O	ptica	al	
Date	10.7cm	No.	(10 ⁻⁶ hemi.)	Flux	C	M	X	S	1	2	3	4
20 September	80	51	280	A6.3	0	0	0	0	0	0	0	0
21 September	85	50	430	B1.0	3	0	0	4	0	0	0	0
22 September	89	76	420	B1.1	1	0	0	2	0	0	0	0
23 September	90	75	350	B1.3	1	2	0	2	2	0	0	0
24 September	88	75	250	B1.2	1	0	0	1	0	0	0	0
25 September	88	38	200	B1.5	3	0	0	4	0	0	0	0
26 September	86	67	170	A9.8	2	0	0	1	0	0	0	0

Daily Particle Data

	Proton F (protons/cm		Electron Fluence (electrons/cm ² -day -sr)
Date	>1 MeV	>10 MeV	>2MeV
20 September	6.6e + 04	4.7e+04	1.4e+06
21 September	1.1e+05	4.7e + 04	1.3e+06
22 September	6.4e + 04	4.6e + 04	1.6e+06
23 September	1.3e+05	4.6e + 04	1.6e+07
24 September	1.1e+05	4.4e+04	4.8e+06
25 September	5.7e + 04	4.3e+04	3.6e+06
26 September	5.7e+04	4.3e+04	7.8e+06

Daily Geomagnetic Data

	Mi	ddle Latitude	H	igh Latitude	Estimated				
	Fre	edericksburg		College		Planetary			
Date	A K-indices		A	K-indices	A	K-indices			
20 September	4	1-0-0-2-2-2-1-1	3	1-1-2-2-1-0-0-1	3	1-1-0-1-1-1-0-1			
21 September	6	2-0-1-1-2-2-3	6	1-1-1-1-2-3-2-2	8	3-0-1-1-1-3-2-3			
22 September	11	3-2-4-3-2-2-1-2	24	3-2-6-5-4-3-0-1	12	4-2-4-3-1-1-2			
23 September	10	2-3-4-2-2-2-1	16	1-2-5-5-3-1-1-0	11	3-3-4-2-2-2-1			
24 September	6	2-2-2-1-1-3-1-1	8	2-2-3-1-1-3-2-1	8	3-2-2-1-1-3-1-1			
25 September	7	2-2-2-2-1-2-2	9	2-2-3-4-1-1-1	7	2-3-2-2-1-1-1-2			
26 September	2	0-0-0-1-1-1-1-0	1	0-0-1-0-0-0-1	4	1-0-0-1-0-0-1-1			

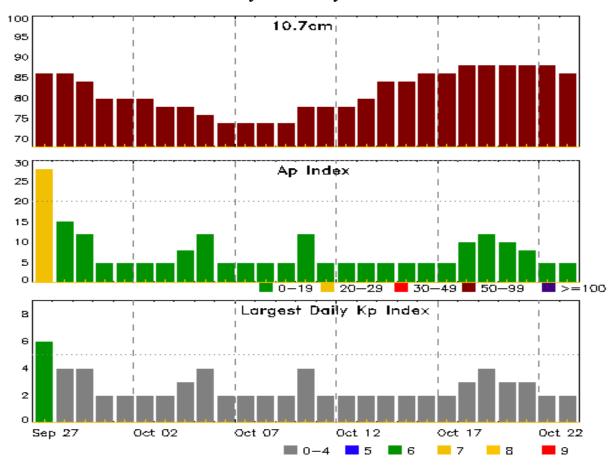


Alerts and Warnings Issued

Date & Time		Date & Time			
of Issue UTC	Type of Alert or Warning	of Event UTC			
21 Sep 2224	WARNING: Geomagnetic $K = 4$	21/2223 - 22/0900			
22 Sep 0259	ALERT: Geomagnetic $K = 4$	22/0259			
22 Sep 0828	EXTENDED WARNING: Geomagnetic K = 4	21/2223 - 22/1500			
22 Sep 0843	WARNING: Geomagnetic $K = 5$	22/0840 - 1200			
23 Sep 0510	ALERT: Type II Radio Emission	23/0444			
23 Sep 0521	ALERT: Type IV Radio Emission	23/0454			
23 Sep 0810	WARNING: Geomagnetic $K = 4$	23/0805 - 1500			
23 Sep 0812	ALERT: Geomagnetic $K = 4$	23/0812			
23 Sep 1708	WATCH: Geomagnetic Storm Category G1 predicte	ed			
25 Sep 0448	ALERT: Type II Radio Emission	25/0345			
25 Sep 1610	WATCH: Geomagnetic Storm Category G2 predicte	ed			



Twenty-seven Day Outlook



Data	Radio Flux	•	Largest	Dete	Radio Flux	•	•
Date	10.7cm	A Index	Kp Index	Date	10.7cm	A Index	Kp Index
27 Sep	86	28	6	11 Oct	78	5	2
28	86	15	4	12	78	5	2
29	84	12	4	13	80	5	2
30	80	5	2	14	84	5	2
01 Oct	80	5	2	15	84	5	2
02	80	5	2	16	86	5	2
03	78	5	2	17	86	5	2
04	78	8	3	18	88	10	3
05	76	12	4	19	88	12	4
06	74	5	2	20	88	10	3
07	74	5	2	21	88	8	3
08	74	5	2	22	88	5	2
09	74	5	2	23	86	5	2
10	78	12	4				



Energetic Events

		Time			ray	Optio	cal Info	rmat	ion	P	eak	Sweep Fre		
	Half		Half		Integ	Imp/	Location		Rgn	Radio Flux		Inter	nsity	
Date	Begin N	Max N	Лax	Class	Flux	Brtns	Lat Cl	MD	#	245	2695	II	IV	
23 Sep	0435	0442	0450) M	2.8	0.018	1N	S2	7E21	2871			2	
23 Sep	1523	1528	1539) M	1.8	0.012	1N	S3	0E15	2871	120			

Flare List

Date Begin Max End X-ray Class Imp/Brits Location Location Brits Rgn 20 Sep 0556 0615 0621 B1.1 2871 20 Sep 0625 0629 0634 B1.1 2871 20 Sep 0753 0802 0806 B2.2 2871 20 Sep 0823 0830 0834 B1.0 2871 20 Sep 0900 0915 0920 B2.4 2871 20 Sep 0904 0936 0943 B8.1 2871 20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1339 1348 1354 B2.3 2871 20 Sep 1405 1411 1416 B1.3 2871 20 Sep 1911 1716 1720 B1.0 2824 20 Sep 1917 1925 1929 B4.0 <						(Optical	
20 Sep			Time		X-ray	Imp/	Location	Rgn
20 Sep 0625 0629 0634 B1.1 2871 20 Sep 0753 0802 0806 B2.2 2871 20 Sep 0823 0830 0834 B1.0 2871 20 Sep 0900 0915 0920 B2.4 2871 20 Sep 0924 0936 0943 B8.1 2871 20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1252 1258 1302 B1.4 20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 <t< th=""><th>Date</th><th>Begin</th><th>Max</th><th>End</th><th>Class</th><th>Brtns</th><th>Lat CMD</th><th>#</th></t<>	Date	Begin	Max	End	Class	Brtns	Lat CMD	#
20 Sep 0753 0802 0806 B2.2 2871 20 Sep 0823 0830 0834 B1.0 2871 20 Sep 0900 0915 0920 B2.4 2871 20 Sep 0924 0936 0943 B8.1 2871 20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1252 1258 1302 B1.4 20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0426 0429 <t< td=""><td>20 Sep</td><td>0556</td><td>0615</td><td>0621</td><td>B1.1</td><td></td><td></td><td>2871</td></t<>	20 Sep	0556	0615	0621	B1.1			2871
20 Sep 0823 0830 0834 B1.0 2871 20 Sep 0900 0915 0920 B2.4 2871 20 Sep 0924 0936 0943 B8.1 2871 20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1252 1258 1302 B1.4 20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 21 Sep 033 0340 0346 B2.6 2871 21 Sep 0457 0509 <td< td=""><td>20 Sep</td><td>0625</td><td>0629</td><td>0634</td><td>B1.1</td><td></td><td></td><td>2871</td></td<>	20 Sep	0625	0629	0634	B1.1			2871
20 Sep 0900 0915 0920 B2.4 2871 20 Sep 0924 0936 0943 B8.1 2871 20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1252 1258 1302 B1.4 20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0426 0429 0439	20 Sep	0753	0802	0806	B2.2			2871
20 Sep 0924 0936 0943 B8.1 2871 20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1252 1258 1302 B1.4 20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0457 0509 0513	20 Sep	0823	0830	0834	B1.0			2871
20 Sep 1038 1043 1048 B6.3 2871 20 Sep 1252 1258 1302 B1.4 20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0644 0649 0654 <t< td=""><td>20 Sep</td><td>0900</td><td>0915</td><td>0920</td><td>B2.4</td><td></td><td></td><td>2871</td></t<>	20 Sep	0900	0915	0920	B2.4			2871
20 Sep 1252 1258 1302 B1.4 20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0644 0649 0654 <t< td=""><td>20 Sep</td><td>0924</td><td>0936</td><td>0943</td><td>B8.1</td><td></td><td></td><td>2871</td></t<>	20 Sep	0924	0936	0943	B8.1			2871
20 Sep 1339 1348 1354 B2.3 20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 <t< td=""><td>20 Sep</td><td>1038</td><td>1043</td><td>1048</td><td>B6.3</td><td></td><td></td><td>2871</td></t<>	20 Sep	1038	1043	1048	B6.3			2871
20 Sep 1405 1411 1416 B1.3 20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0942 0948 <t< td=""><td>20 Sep</td><td>1252</td><td>1258</td><td>1302</td><td>B1.4</td><td></td><td></td><td></td></t<>	20 Sep	1252	1258	1302	B1.4			
20 Sep 1711 1716 1720 B1.0 20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0942 <t< td=""><td>20 Sep</td><td>1339</td><td>1348</td><td>1354</td><td>B2.3</td><td></td><td></td><td></td></t<>	20 Sep	1339	1348	1354	B2.3			
20 Sep 1818 1826 1833 B1.5 20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 <td< td=""><td>20 Sep</td><td>1405</td><td>1411</td><td>1416</td><td>B1.3</td><td></td><td></td><td></td></td<>	20 Sep	1405	1411	1416	B1.3			
20 Sep 1901 1909 1916 B2.4 20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 <td< td=""><td>20 Sep</td><td>1711</td><td>1716</td><td>1720</td><td>B1.0</td><td></td><td></td><td></td></td<>	20 Sep	1711	1716	1720	B1.0			
20 Sep 1917 1925 1929 B4.0 20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	20 Sep	1818	1826	1833	B1.5			
20 Sep 1938 1941 1945 B2.1 20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	20 Sep	1901	1909	1916	B2.4			
20 Sep 2040 2044 2049 B1.6 20 Sep 2055 2100 2104 B2.5 2871 20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	20 Sep	1917	1925	1929	B4.0			
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20 Sep 2137 2142 2146 B3.3 2871 20 Sep 2304 2311 2321 B2.6 2871 21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	20 Sep	2040	2044	2049	B1.6			
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21 Sep 0333 0340 0346 B2.6 2871 21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	20 Sep	2137	2142	2146	B3.3			2871
21 Sep 0426 0429 0439 B2.1 2871 21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	20 Sep	2304	2311	2321	B2.6			2871
21 Sep 0457 0509 0513 B4.1 2871 21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	21 Sep	0333	0340	0346	B2.6			2871
21 Sep 0520 0529 0536 B3.1 2871 21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	21 Sep	0426	0429	0439	B2.1			2871
21 Sep 0644 0649 0654 B2.3 2873 21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	21 Sep	0457	0509	0513	B4.1			2871
21 Sep 0820 0826 0832 B2.0 21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	21 Sep	0520	0529	0536	B3.1			2871
21 Sep 0853 0903 0916 C1.1 SF N26W08 2873 21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	21 Sep	0644	0649	0654	B2.3			2873
21 Sep 0942 0948 0950 B2.3 2871 21 Sep 0950 0955 0959 B2.9 2871	21 Sep	0820	0826	0832	B2.0			
21 Sep 0950 0955 0959 B2.9 2871	21 Sep	0853	0903	0916	C1.1	SF	N26W08	2873
·	21 Sep	0942	0948	0950	B2.3			2871
21 Sep 1006 1016 1021 B8.7 SF N26W12 2873	21 Sep	0950	0955	0959	B2.9			2871
	21 Sep	1006	1016	1021	B8.7	SF	N26W12	2873



Flare List

Date Begin Max End X-ray Imp/ Class Location Brtms Rgn 21 Sep 1107 1111 1116 B5.0 SF N26W15 2873 21 Sep 1143 1153 1157 Cl.8 SF N26W15 2873 21 Sep 11231 1238 1244 B3.2 2871 2871 21 Sep 1419 1429 1435 B1.6 2873 2871 21 Sep 1419 1429 1435 B1.6 2871 2871 21 Sep 1805 1816 1818 B2.1 2871 2871 21 Sep 1805 1816 1818 B2.1 2871 2871 21 Sep 1808 1811 1818 B1.7 2871 2871 21 Sep 1818 1828 1835 C1.1 2871 2871 21 Sep 2015 2025 2030 B5.1 2872 2871 21 Sep						Optical							
21 Sep			Time		X-ray	Imp/	Location	Rgn					
21 Sep 1143 1153 1157 C1.8 SF N26W15 2873 21 Sep 1223 1229 1231 B1.7 2871 21 Sep 1231 1238 1244 B3.2 2871 21 Sep 1419 1429 1435 B1.6 2873 21 Sep 1657 1703 1707 B1.5 2871 21 Sep 1805 1816 1818 B2.1 2871 21 Sep 1808 1811 1818 B1.7 2871 21 Sep 1818 1828 1835 C1.1 2871 21 Sep 1907 1915 1923 B1.6 2871 21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2015 2025 2030 B5.1 2871 22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 2	Date	Begin	Max	End	Class	Brtns	Lat CMD	#					
21 Sep	21 Sep	1107	1111	1116	B5.0	SF	N26W15	2873					
21 Sep 1231 1238 1244 B3.2 2871 21 Sep 1419 1429 1435 B1.6 2873 21 Sep 1657 1703 1707 B1.5 2871 21 Sep 1805 1816 1818 B2.1 2871 21 Sep 1808 1811 1818 B1.7 2871 21 Sep 1818 1828 1835 C1.1 2871 21 Sep 1907 1915 1923 B1.6 2871 21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2351 2355 2359 B4.1 2872 22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0615 0621 0630 B1.6 81.6 2871 22 Sep 0652 0529 0533 B2.4 2871 22 Sep 065 <td< td=""><td>21 Sep</td><td>1143</td><td>1153</td><td>1157</td><td>C1.8</td><td>SF</td><td>N26W15</td><td>2873</td></td<>	21 Sep	1143	1153	1157	C1.8	SF	N26W15	2873					
21 Sep	21 Sep	1223	1229	1231	B1.7			2871					
21 Sep 1657 1703 1707 B1.5 2871 21 Sep 1805 1816 1818 B2.1 2871 21 Sep 1808 1811 1818 B1.7 2871 21 Sep 1818 1828 1835 C1.1 2871 21 Sep 1907 1915 1923 B1.6 2871 21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2351 2355 2359 B4.1 2872 22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 117 1125 1130 B3.2 2871 22 Sep 111	21 Sep	1231	1238	1244	B3.2			2871					
21 Sep 1805 1816 1818 B2.1 2871 21 Sep 1808 1811 1818 B1.7 2871 21 Sep 1818 1828 1835 C1.1 2871 21 Sep 1907 1915 1923 B1.6 2871 21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2351 2355 2359 B4.1 2872 22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 1117 1125 1130 B3.2 2872 22 Sep <t< td=""><td>21 Sep</td><td>1419</td><td>1429</td><td>1435</td><td>B1.6</td><td></td><td></td><td>2873</td></t<>	21 Sep	1419	1429	1435	B1.6			2873					
21 Sep	21 Sep	1657	1703	1707	B1.5			2871					
21 Sep 1818 1828 1835 C1.1 2871 21 Sep 1907 1915 1923 B1.6 2871 21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2351 2355 2359 B4.1 2872 22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0957 1007 1016 B3.2 2871 2871 22 Sep 1158 1204 1211 B1.6 2872 22 Sep 1307 1316 1321 B2.5 22 22 Sep 1349 1352 1356 B2.2 22 22 </td <td>21 Sep</td> <td>1805</td> <td>1816</td> <td>1818</td> <td>B2.1</td> <td></td> <td></td> <td>2871</td>	21 Sep	1805	1816	1818	B2.1			2871					
21 Sep 1907 1915 1923 B1.6 2871 21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2351 2355 2359 B4.1 2872 22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 2871 22 Sep 1117 1125 1130 B3.2 2871 22 Sep 128 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1349 1352 1356 B2.2 22 Sep 1811	21 Sep	1808	1811	1818	B1.7			2871					
21 Sep 2015 2025 2030 B5.1 2871 21 Sep 2351 2355 2359 B4.1 2872 22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 22 Sep 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 2872 22 Sep 1117 1125 1130 B3.2 2872 2872 22 Sep 1307 1316 1321 B2.5 22 Sep 1349 1352 1348 B1.7 22 Sep 1349 1352 1356 B2.2	21 Sep	1818	1828	1835	C1.1			2871					
21 Sep	21 Sep	1907	1915	1923	B1.6			2871					
22 Sep 0152 0158 0202 B1.8 2871 22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 22 Sep 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 2871 22 Sep 1117 1125 1130 B3.2 2872 2872 22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 182 2871	21 Sep	2015	2025	2030	B5.1			2871					
22 Sep 0315 0326 0341 B3.1 2871 22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 22 Sep 2871 22 Sep 0957 1007 1016 B3.2 2872 2872 22 Sep 1158 1204 1211 B1.6 2872 2872 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1511 1518 1530 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1805 1812 1820 B1.6 22 Sep 1805	21 Sep	2351	2355	2359	B4.1			2872					
22 Sep 0417 0421 0426 B2.3 2871 22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 1117 1125 1130 B3.2 2872 22 Sep 1158 1204 1211 B1.6 22 Sep 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1820 1823 1827 B1.6 282 2871 286 2871	22 Sep	0152	0158	0202	B1.8			2871					
22 Sep 0522 0529 0533 B2.4 2871 22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 1117 1125 1130 B3.2 2872 22 Sep 1158 1204 1211 B1.6 22 Sep 2872 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1820 1823 1827 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 2871 22 Sep 2871 22 Sep 2871 22 Sep 2871 288 22 Sep 2871 288 2871	22 Sep	0315	0326	0341	B3.1			2871					
22 Sep 0615 0621 0630 B1.6 2871 22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 1117 1125 1130 B3.2 2872 22 Sep 1158 1204 1211 B1.6 22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1811 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 204 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 22	22 Sep	0417	0421	0426	B2.3			2871					
22 Sep 0756 0805 0811 B2.1 SF N17E29 2871 22 Sep 0853 0904 0916 B3.0 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 1117 1125 1130 B3.2 2872 22 Sep 1158 1204 1211 B1.6 22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2044 2014 2020 C1.1 SF S26E28 2871 22 Sep <t< td=""><td>22 Sep</td><td>0522</td><td>0529</td><td>0533</td><td>B2.4</td><td></td><td></td><td>2871</td></t<>	22 Sep	0522	0529	0533	B2.4			2871					
22 Sep 0853 0904 0916 B3.0 2871 22 Sep 0957 1007 1016 B3.2 2871 22 Sep 1117 1125 1130 B3.2 2872 22 Sep 1158 1204 1211 B1.6 22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2148 2151 2201 B1.8 22 Sep 2248 2251 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 <td< td=""><td>22 Sep</td><td>0615</td><td>0621</td><td>0630</td><td>B1.6</td><td></td><td></td><td>2871</td></td<>	22 Sep	0615	0621	0630	B1.6			2871					
22 Sep 0957 1007 1016 B3.2 2871 22 Sep 1117 1125 1130 B3.2 2872 22 Sep 1158 1204 1211 B1.6 22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2044 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 28	22 Sep	0756	0805	0811	B2.1	SF	N17E29	2871					
22 Sep 1117 1125 1130 B3.2 2872 22 Sep 1158 1204 1211 B1.6 22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2251 2258 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 28	22 Sep	0853	0904	0916	B3.0			2871					
22 Sep 1158 1204 1211 B1.6 22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 204 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	0957	1007	1016	B3.2			2871					
22 Sep 1228 1231 1242 B1.6 22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 2871 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1117	1125	1130	B3.2			2872					
22 Sep 1307 1316 1321 B2.5 22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 2871 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1158	1204	1211	B1.6								
22 Sep 1332 1342 1348 B1.7 22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1228	1231	1242	B1.6								
22 Sep 1349 1352 1356 B2.2 22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1307	1316	1321	B2.5								
22 Sep 1418 1422 1429 B1.5 22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1332	1342	1348	B1.7								
22 Sep 1511 1518 1530 B1.5 22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1349	1352	1356	B2.2								
22 Sep 1805 1812 1820 B1.6 22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 B1.8 B3.0 B1.9 B1.9 B1.9 B1.9 B1.9 B2.9 B271 B271 B23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1418	1422	1429	B1.5								
22 Sep 1820 1823 1827 B1.6 22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1511	1518	1530	B1.5								
22 Sep 1940 1950 1955 B2.8 22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1805	1812	1820	B1.6								
22 Sep 2004 2014 2020 C1.1 SF S26E28 2871 22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1820	1823	1827	B1.6								
22 Sep 2148 2151 2201 B1.8 22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	1940	1950	1955	B2.8								
22 Sep 2221 2227 2231 B3.0 22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	2004	2014	2020	C1.1	SF	S26E28	2871					
22 Sep 2351 2358 0007 B1.9 23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	2148	2151	2201	B1.8								
23 Sep 0139 0145 0157 B2.9 2871 23 Sep 0204 0213 0220 B2.4 2875	22 Sep	2221	2227	2231	B3.0								
23 Sep 0204 0213 0220 B2.4 2875	22 Sep	2351	2358	0007	B1.9								
	23 Sep	0139	0145	0157	B2.9			2871					
23 Sep 0256 0305 0314 B2.0 2871	23 Sep	0204	0213	0220	B2.4			2875					
	23 Sep	0256	0305	0314	B2.0			2871					



Flare List

				Optical							
		Time		X-ray	Imp/	Location	Rgn				
Date	Begin	Max	End	Class	Brtns	Lat CMD	#				
23 Sep	0343	0355	0402	B3.1			2871				
23 Sep	0427	0444	0527	M2.8	1N	S27E21	2871				
23 Sep	0800	0807	0812	B4.2			2871				
23 Sep	1235	1245	1250	B7.1							
23 Sep	1343	1355	1403	B6.0	SF	S27E18	2871				
23 Sep	1523	1528	1539	M1.8	1N	S30E15	2871				
23 Sep	1917	1924	1928	B3.1							
23 Sep	2023	2028	2032	B1.8							
23 Sep	2034	2041	2046	C1.0	SF	S27E15	2871				
23 Sep	2056	2100	2104	B3.1							
24 Sep	0246	0252	0256	B1.8			2871				
24 Sep	0300	0307	0312	B1.9			2871				
24 Sep	0633	0642	0651	B2.4			2871				
24 Sep	0656	0701	0705	C2.9			2871				
24 Sep	0957	1008	1013	B2.9			2871				
24 Sep	1557	1605	1609	B1.8			2872				
24 Sep	1758	1812	1822	B5.3			2871				
24 Sep	1822	1833	1841	B4.4			2871				
24 Sep	B1836	1836	1844		SF	S26E01	2871				
24 Sep	2019	2023	2027	B2.4			2875				
24 Sep	2111	2116	2120	B2.5			2871				
24 Sep	2125	2130	2134	B3.4			2871				
24 Sep	2250	2255	2259	B3.2			2871				
24 Sep	2334	2338	2342	B2.0			2872				
25 Sep	0026	0033	0038	B2.5			2871				
25 Sep	0117	0131	0136	B9.9			2871				
25 Sep	0306	0312	0318	B1.9			2871				
25 Sep	0327	0354	0404	C1.4			2871				
25 Sep	0534	0555	0611	B3.4			2871				
25 Sep	0746	0757	0809	B5.4	SF	S31W06	2871				
25 Sep	0812	0816	0828		SF	S27W04	2871				
25 Sep	0845	0901	0928	B3.0							
25 Sep	1110	1130	1137	C1.0	SF	S27W06	2871				
25 Sep	1159	1204	1208	B7.2			2871				
25 Sep	1241	1246	1308		SF	S27W07	2871				
25 Sep	1412	1419	1440	B1.9			2871				
25 Sep	1604	1611	1616	B2.1			2871				
25 Sep	1732	1739	1746	B2.3			2871				



Flare List

	Optical								
	-	Time		X-ray	Imp/	Location	Rgn		
Date	Begin	Max	End	Class	Brtns	Lat CMD	#		
25 Sep	1911	1917	1921	C1.7			2871		
25 Sep	2301	2310	2318	B5.0			2871		
26 Sep	0015	0023	0031	B1.6			2871		
26 Sep	0031	0039	0047	B6.3			2871		
26 Sep	0415	0422	0428	B2.1			2871		
26 Sep	0524	0535	0541	B2.8			2877		
26 Sep	0625	0631	0638	C1.0			2873		
26 Sep	0913	0917	0921	B1.8			2871		
26 Sep	1058	1106	1110	B2.4			2877		
26 Sep	1120	1124	1128	C1.6	SF	S28W20	2871		
26 Sep	1538	1547	1610	B3.7			2872		
26 Sep	2244	2300	2317	B2.4					



Region Summary

	Location	haracte	cteristics					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 2870												
09 Sep	S31E56	136	10		Axx	1	A								
10 Sep	S31E45	134	plage												
11 Sep	S31E31	135	plage												
12 Sep	S31E17	136	plage												
13 Sep	S31E03	137	plage												
14 Sep	S31W11	138	plage												
15 Sep	S31W25	138	plage												
16 Sep	S31W39	139	plage												
17 Sep	S31W53	140	plage												
18 Sep	S31W67	141	plage												
19 Sep	S31W81	142	plage					0	0		0				
	West Limbe heliograp	hic lor	ngitude: 1	37											
		Kegi													
17 Sep	S28E87	1	plage					1							
18 Sep	S28E73	1	30	1	Hsx	1	A	2							
19 Sep	S28E61	359	60	3	Dao	3	В	1							
20 Sep	S29E50	357	240	5	Dao	6	В								
21 Sep	S27E36	357	310	6	Dko	8	BD	1							
22 Sep	S28E25	355	250	6	Dko	7	BD	1	_		2	2			
23 Sep	S28E11	356	210	5	Dao	11	BGD	1	2		2	2			
24 Sep	S28E01	353	140	6	Dao	8	В	1			1				
25 Sep	S28W13	354	140	4	Dac	9	В	3			4				
26 Sep	S28W27	355	90	5	Dai	10	BG	1 12	2	0	1 10	2	0	0	0

Still on Disk. Absolute heliographic longitude: 353



Region Summary - continued

	Location	on	Su	inspot C	haracte	ristics				I	Flares				
		Helio	Area	Extent	Spot	Spot	Mag	X	K-ray			O	ptica	1	
Date	Lat CMD	Lon 1	0 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
		Regio	n 2872												
20.0	N17E40	O		4	C	7	ъ								
20 Sep	N17E42	4	30	4	Cro	7	В								
21 Sep	N17E27	6	10	3	Bxo	4	В								
22 Sep	N17E15	5 5	70 120	7	Cai	9 15	В								
23 Sep	N17E02	5 5	120 80	6	Cai Cao	15 10	B B								
24 Sep 25 Sep	N17W12 N18W24	5 5	60	6 7	Cro	9	В								
_	N17W38	6	40	8	Cro	9 7	В								
26 Sep	N1/W30	O	40	0	CIO	,	Ь	0	0	0	0	0	0	0	0
Ctill on	Diale							U	U	U	U	U	U	U	U
Still on	e heliograp	hic lone	ritude: 5												
Ausolui	e nenograp	THE TOTE	gitude. 3												
		Regio	n 2873												
20 Sep	N26W07	54	10	4	Bxi	8	В								
21 Sep	N26W22	56	110	7	Dao	8	В	2			4				
22 Sep	N24W35	55	80	9	Dao	5	В	_			•				
23 Sep	N26W48	55	10	9	Bxo	6	В								
24 Sep	N25W59	53	10	4	Bxo	2	В								
25 Sep	N25W73	54	plage												
26 Sep	N25W87	55	plage					1							
			F6-					3	0	0	4	0	0	0	0
Still on	Disk.														
	e heliograp	hic long	gitude: 5	4											
		Regio	n 2874												
22 8	COENTOC	_		2	T T	2									
22 Sep	S25W26	46 47	10	2	Hrx	2	A								
23 Sep	S25W40	47	plage												
24 Sep	S25W54	48	plage												
25 Sep	S25W68	49 50	plage												
26 Sep	S25W82	50	plage					0	0	0	0	0	0	0	0
Still on	Diek							U	U	U	U	U	U	U	0
	Disk. e heliograp	hic lone	oitude: 4	6											
1 1030141	e nenograp	1110 10118	51144C. T	J											



Region Summary - continued

	Location	Sunspot Characteristics					Flares								
		Helio	Area	Extent	Spot	Spot	Mag	X-ray			Optical				
Date	Lat CMD	Lon 1	10 ⁻⁶ hemi.	(helio)	Class	Count	Class	C	M	X	S	1	2	3	4
Region 2875															
22 Sep	S32W34	55 5.5	10	3	Bxo	3	В								
23 Sep	S32W47	55 52	10	4	Bxo	3	В								
24 Sep	S33W59	53 54	10	2	Bxo	2	В								
25 Sep 26 Sep	S33W73 S33W87	54 55	plage plage												
20 Sep	333 W 01	33	prage					0	0	0	0	0	0	0	0
Still on	Dick							U	U	U	U	U	U	U	U
Still on Disk. Absolute heliographic longitude: 55															
			6												
Region 2876															
24 Sep	S22E04	350	10	2	Bxo	3	В								
25 Sep	S22W10	351	plage												
26 Sep	S22W24	352	plage												
•								0	0	0	0	0	0	0	0
Still on Disk.															
Absolute heliographic longitude: 350															
	Region 2877														
26.0	017000	O		4	D	4	ъ								
26 Sep	S17W00	328	10	4	Bxo	4	В	0	0	0	0	0	0	0	0
Ctill on	Dielz							U	U	U	U	U	U	U	U
Still on Disk. Absolute heliographic longitude: 328															
	0 1														
	Region 2878														
26 Sep	S23E34	294	30	6	Cro	6	В								
•								0	0	0	0	0	0	0	0
Still on Disk.															
Absolut	e heliograp	hic lon	gitude: 2	94											



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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