

## RAPPORTO ATTIVITA' SOLARE

**AGOSTO 2009**



### Agosto 2009

L'attività fotosferica torna ad essere al minimo.  
Nel mese di agosto siamo riusciti a osservare la nostra stella per ben 29 giorni su 31 (93.5%), ma la sua superficie è rimasta priva di macchie per l'intero periodo, quindi per il 100% delle nostre osservazioni.  
(Immagine sonda SOHO-Cortesia NASA/SOHO/MIDI)

Il mese di agosto è stato di nuovo un mese con il numero di Wolf pari letteralmente a zero! Le nostre osservazioni segnano un numero di Wolf di 0 con 29 osservazioni effettuate in 31 giorni (corrispondenti al 93,5% del totale). Nel mese non è stato osservabile nessun gruppo di macchie.

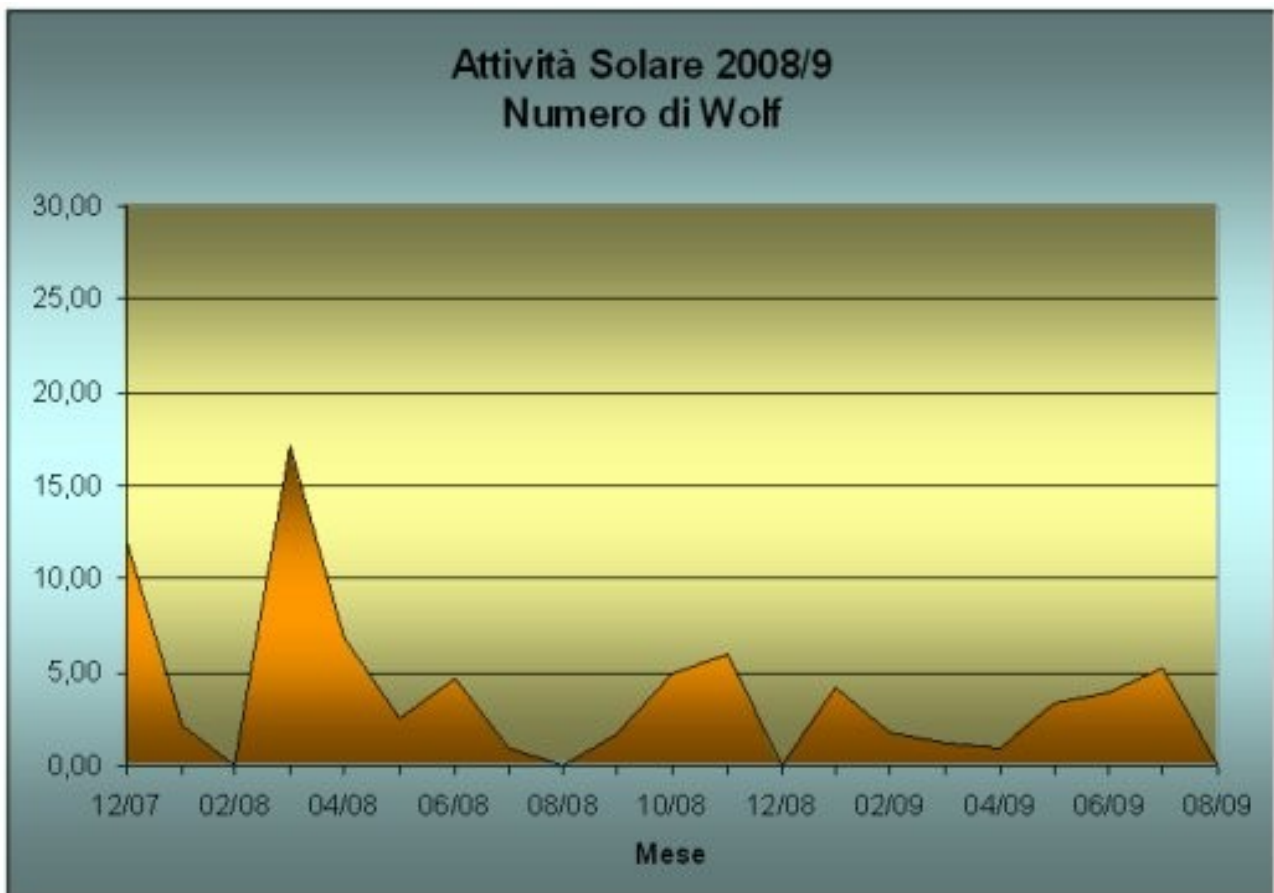
### **TABELLA DI OSSERVAZIONE MENSILE IN LUCE VISIBILE**

Numero	Data	Ora Locale	Ora TU	Rotazione Carrington	Diametro apparente	Giorno Giuliano	Angolo P	Angolo Bo	Angolo Lo	Altezza sul orizz.	Seeing da 1 a 5	GR Gruppi totali	SPOT Macchie totali	R	
														Nro wolf	
411	01/08/09	8.55	6.55	2086	31.53	2455044,8	10,98	5,81	247.74	30°05'	4,5	0	0	0	
412	02/08/09	12.35	10.35	2086	31.53	2455045,9	11,44	5,89	232.49	60°31'	5,5	0	0	0	
	03/08/09	-	-	-	-	-	-	-	-	-	-	-	-	-	
413	04/08/09	14.30	12.30	2086	31.55	2455048,0	12,25	6,04	204.99	57°10'	3,5	0	0	0	
414	05/08/09	14.35	12.35	2086	31.55	2455049,0	12,63	6,10	191.72	56°24'	5,5	0	0	0	
415	06/08/09	14.40	12.40	2086	31.55	2455050,0	13,01	6,17	178.46	55°37'	4,5	0	0	0	
416	07/08/09	14.45	12.45	2086	31.55	2455051,0	13,38	6,23	165.19	54°48'	4,5	0	0	0	
417	08/08/09	8.35	6.35	2086	31.57	2455051,8	13,66	6,28	155.36	25°26'	3,5	0	0	0	
418	09/08/09	8.45	6.45	2086	31.57	2455052,8	14,03	6,34	142.05	26°59'	3,5	0	0	0	
419	10/08/09	8.40	6.40	2086	31.57	2455053,8	14,39	6,39	128.88	25°57'	3,5	0	0	0	
420	11/08/09	8.35	6.35	2086	31.57	2455054,8	14,75	6,45	115.70	24°54'	5,5	0	0	0	
421	12/08/09	8.55	6.55	2086	31.58	2455055,8	15,11	6,51	102.30	28°10'	4,5	0	0	0	
422	13/08/09	9.33	7.33	2086	31.58	2455056,8	15,47	6,56	88.74	34°27'	3,5	0	0	0	
423	14/08/09	9.15	7.15	2086	31.58	2455057,8	15,81	6,61	75.68	31°13'	3,5	0	0	0	
424	15/08/09	9.00	7.00	2086	31.60	2455058,8	16,14	6,66	62.60	28°28'	5,5	0	0	0	
	16/08/09	-	-	-	-	-	-	-	-	-	-	-	-	-	
425	17/08/09	11.20	9.20	2086	31.62	2455060,9	16,84	6,76	34.89	49°37'	4,5	0	0	0	
426	18/08/09	9.25	7.25	2086	31.62	2455061,8	17,14	6,80	22.73	32°08'	4,5	0	0	0	
427	19/08/09	8.50	6.50	2086	31.62	2455062,8	17,46	6,84	9.86	26°00'	4,5	0	0	0	
428	20/08/09	14.30	12.30	2087	31.63	2455064,0	17,85	6,89	353.50	52°28'	4,5	0	0	0	
429	21/08/09	14.40	12.40	2087	31.63	2455065,0	18,16	6,92	340.19	51°10'	3,5	0	0	0	
430	22/08/09	13.10	11.10	2087	31.63	2455066,0	18,45	6,96	327.80	55°40'	4,5	0	0	0	
431	23/08/09	16.05	14.05	2087	31.65	2455067,1	18,79	6,99	312.98	39°26'	3,5	0	0	0	
432	24/08/09	14.40	12.40	2087	31.65	2455068,0	19,06	7,02	300.55	50°10'	4,5	0	0	0	
433	25/08/09	15.05	13.05	2087	31.67	2455069,0	19,36	7,05	287.11	47°03'	4,5	0	0	0	
434	26/08/09	8.50	6.50	2087	31.67	2455069,8	19,57	7,07	277.34	24°36'	4,5	0	0	0	
435	27/08/09	15.05	13.05	2087	31.68	2455071,0	19,92	7,11	260.69	46°22'	4,5	0	0	0	
436	28/08/09	14.40	12.40	2087	31.68	2455072,0	20,19	7,13	247.71	48°46'	3,5	0	0	0	
437	29/08/09	11.30	9.30	2087	31.68	2455072,9	20,43	7,15	236.24	47°31'	3,5	0	0	0	
438	30/08/09	9.35	7.35	2087	31.70	2455073,8	20,67	7,17	224.09	31°15'	5,5	0	0	0	
439	31/08/09	8.35	6.35	2087	31.70	2455074,8	20,92	7,18	211.43	21°01'	3,5	0	0	0	
<b>Media</b>													<b>0,0</b>	<b>0,0</b>	<b>0,00</b>

**TABELLA DEL NUMERO DI WOLF DELLE NOSTRE OSSERVAZIONI**

<b>MESE</b>	<b>R</b>
12/2007	12,00
01/2008	2,08
02/2008	0,00
03/2008	17,14
04/2008	6,90
05/2008	2,48
06/2008	4,67
07/2008	0,96
08/2008	0,00
09/2008	1,65
10/2008	5,00
11/2008	5,93
12/2008	0,00
01/2009	4,18
02/2009	1,70
03/2009	1,28
04/2009	1,00
05/2009	3,30
06/2009	3,92
07/2009	5,22
08/2009	0,00

**GRAFICO DEL NUMERO DI WOLF DELLE NOSTRE OSSERVAZIONI**



## **OSSERVAZIONE MENSILE IN LUCE H-alfa (6563Å)**

Nel mese di agosto il numero delle protuberanze al lembo è sceso a 39,3 rispetto al 39,6 del mese scorso: si può quindi dire che sia rimasto invariato.

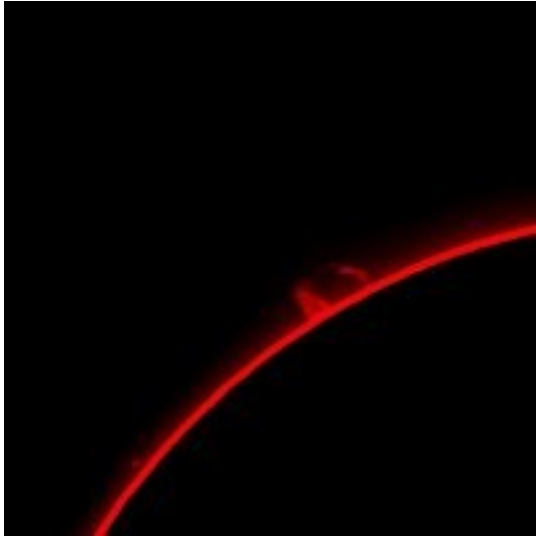
### **TABELLA DI OSSERVAZIONE MENSILE IN H-alfa**

giorno	HHMM TU	Seeing Q	Trasp. Atm W	OSSERV. EMISFERICA				OSSERV. GLOBALE		RIEPILOGO FINALE			
				nord		sud		H	e	H tot	Rp N	Rp S	Rp tot
				H	e	H	e						
1	655	4	1	3	4	2	4	5	8	5	34	24	58
2	1035	5	1	1	2	1	2	2	4	2	12	12	24
3													
4	1230	3	3	1	2	2	3	3	5	3	12	23	35
5	1235	5	1	3	3	1	1	4	4	4	33	11	44
6	1240	4	2	1	1	2	7	3	8	3	11	27	38
7	1245	4	2	1	1	2	3	3	4	3	11	23	34
8	635	3	3	2	3	2	7	4	10	4	23	27	50
9	645	3	2	1	1	2	3	3	4	3	11	23	34
10	640	3	3	1	2	2	3	3	5	3	12	23	35
11	635	5	1	0	0	3	7	3	7	3	0	37	37
12	655	4	2	2	6	1	1	3	7	3	26	11	37
13	733	3	3	2	4	1	2	3	6	3	24	12	36
14	715	3	3	2	3	0	0	2	3	2	23	0	23
15	700	5	1	1	3	1	1	2	4	2	13	11	24
16													
17	920	4	1	0	0	2	4	2	4	2	0	24	24
18	725	4	2	1	1	2	2	3	3	3	11	22	33
19	650	4	2	3	6	1	1	4	7	4	36	11	47
20	1230	4	2	2	5	1	4	3	9	3	25	14	39
21	1240	3	3	3	5	0	0	3	5	3	35	0	35
22	1310	4	3	2	6	1	3	3	9	3	26	13	39
23	1405	3	3	2	4	3	6	5	10	5	24	36	60
24	1440	4	3	1	1	2	2	3	3	3	11	22	33
25	1305	4	2	1	1	3	4	4	5	4	11	34	45
26	650	4	1	0	0	3	7	3	7	3	0	37	37
27	1305	4	2	1	4	2	5	3	9	3	14	25	39
28	1240	3	3	1	4	2	3	3	7	3	14	23	37
29	930	3	3	2	7	2	3	4	10	4	27	23	50
30	735	5	1	3	7	2	6	5	13	5	37	26	63
31	635	3	3	2	8	2	2	4	10	4	28	22	50
medie >>>>				2	3	2	3	3	7	3,3	18,8	20,6	39,3

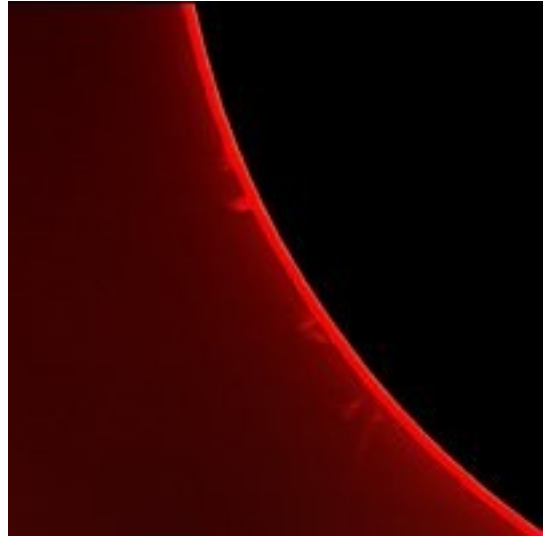
### **TABELLA DELLE PROTUBERANZE AL LEMBO**

MESE	Rp
04/2009	43,2
05/2009	36,7
06/2009	40,0
07/2009	39,6
08/2009	39,3

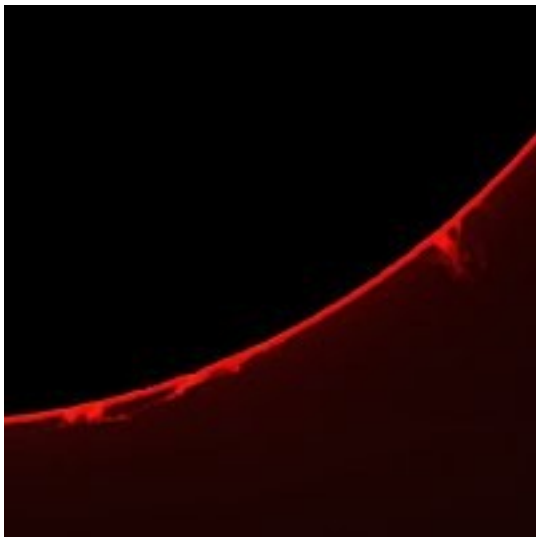
Alcune fotografie delle protuberanze più importanti del mese di agosto



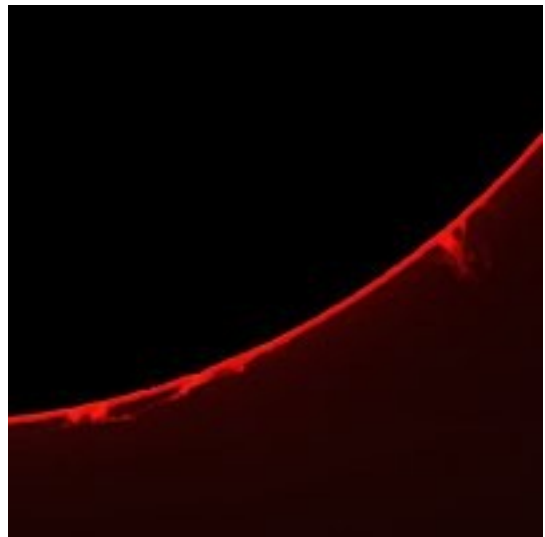
02/08/2009



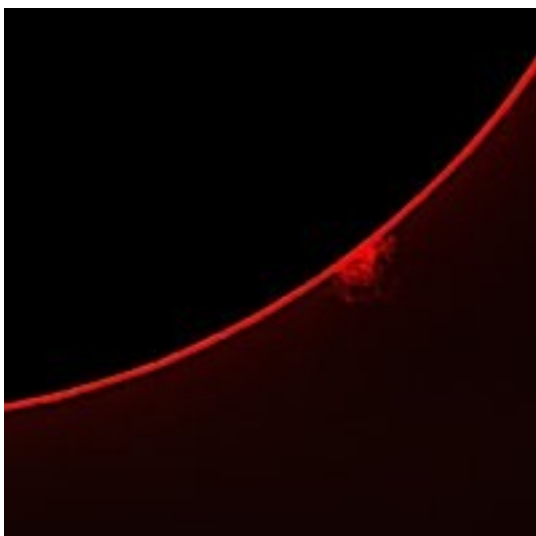
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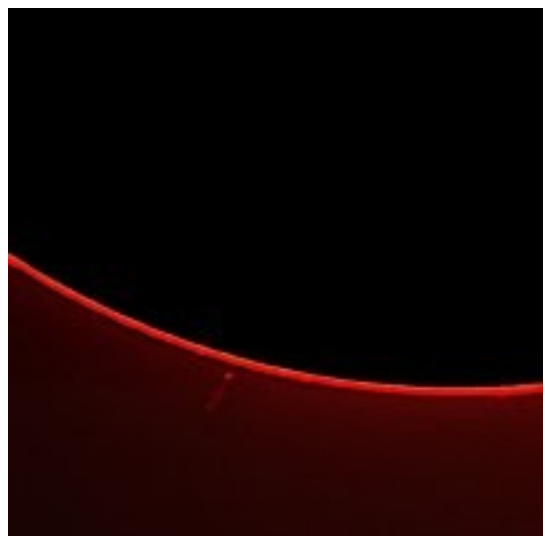
08/08/2009



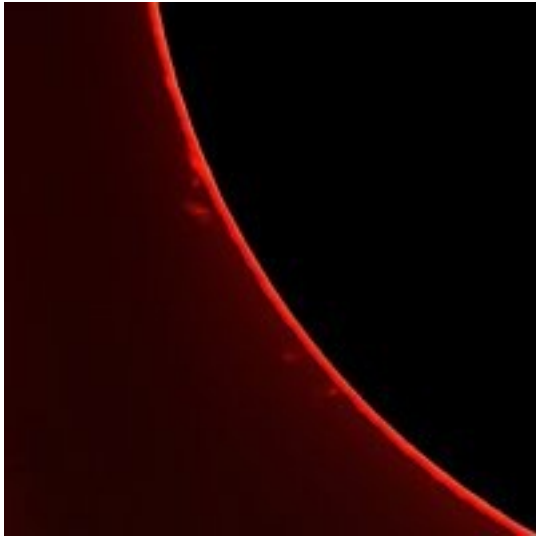
08/08/2009



09/08/2009



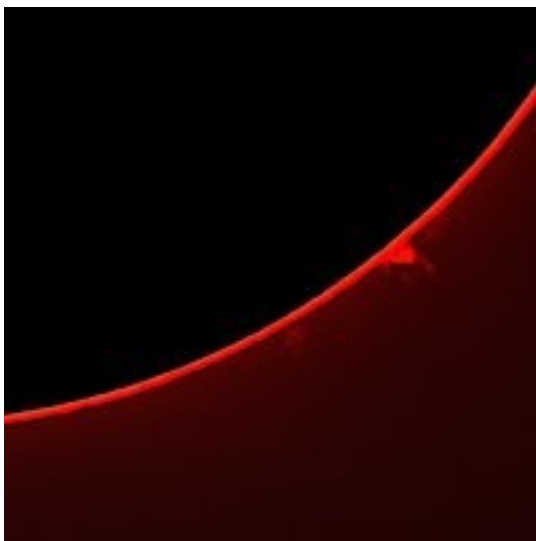
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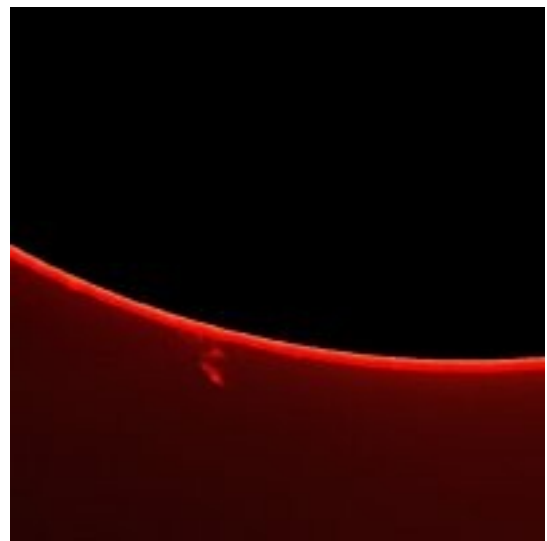
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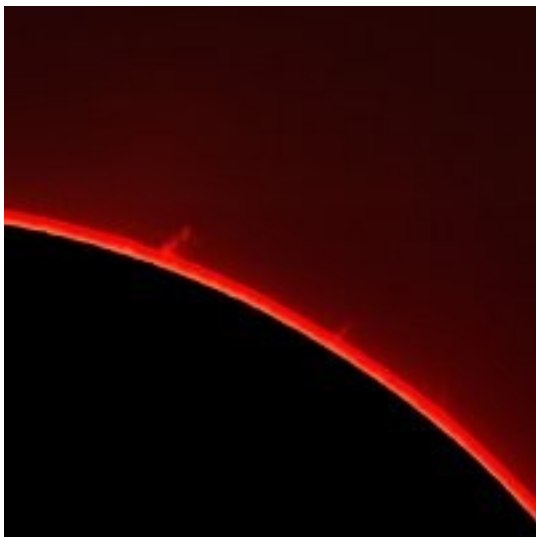
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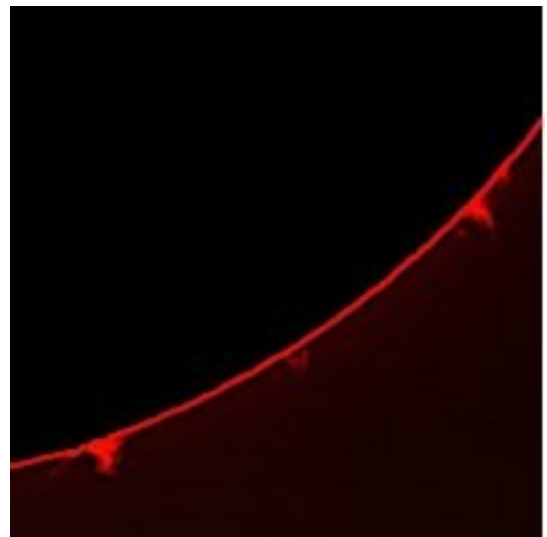
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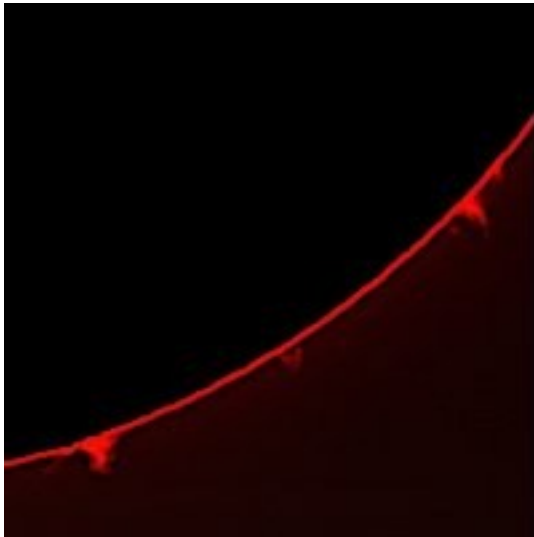
11/08/2009



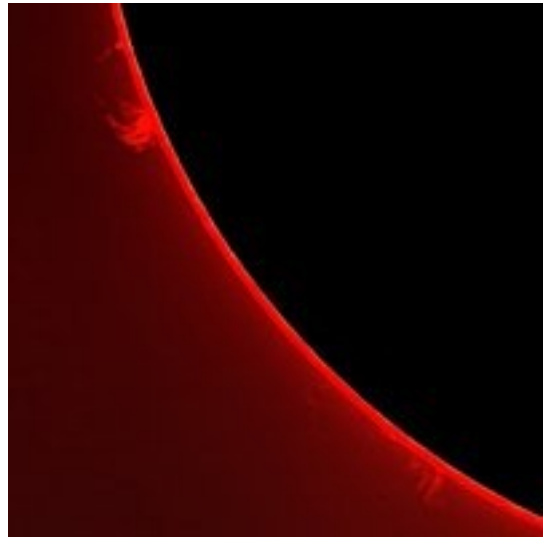
11/08/2009



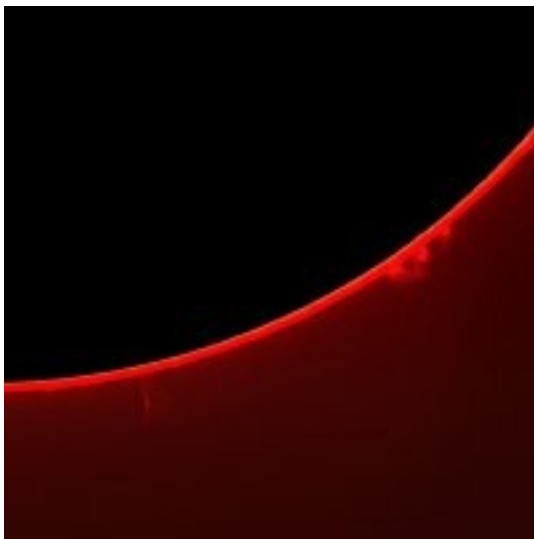
11/08/2009



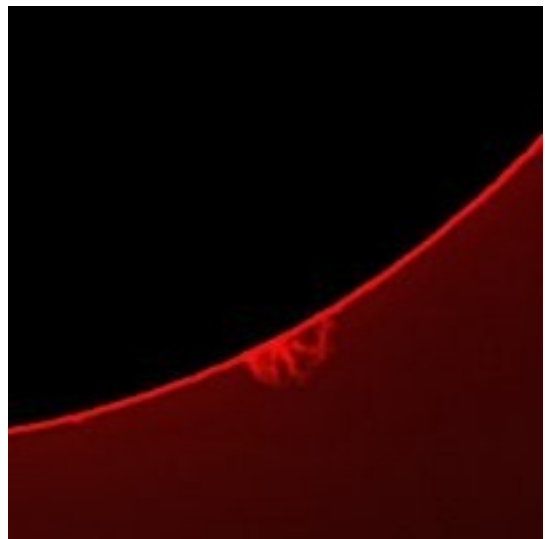
11/08/2009



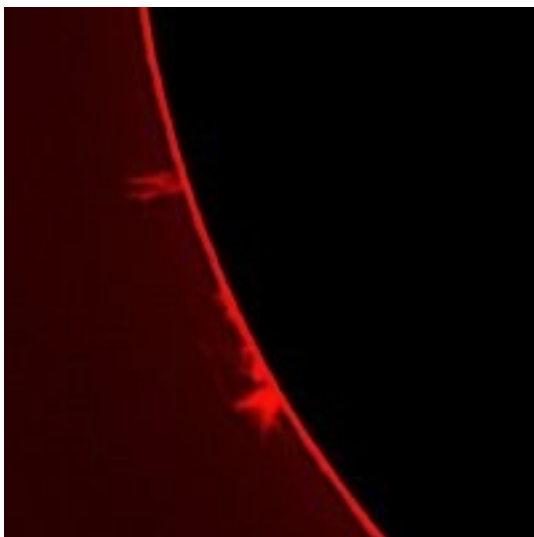
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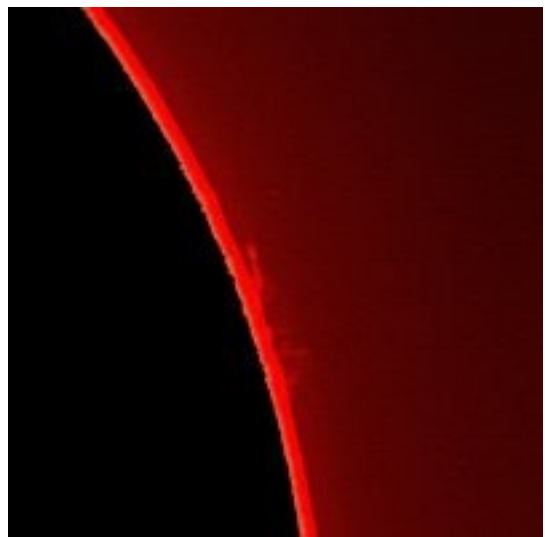
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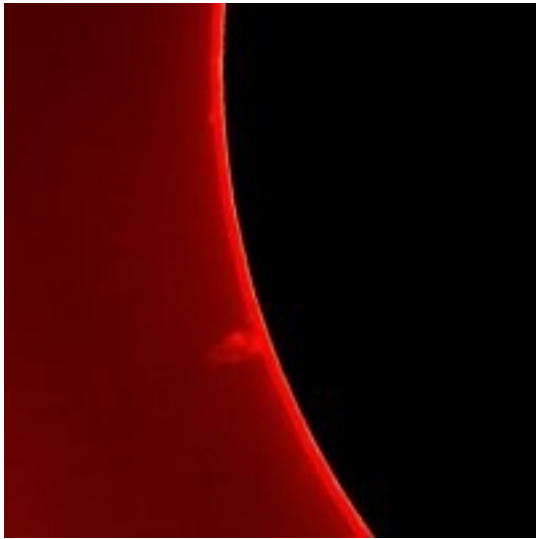
23/08/2009



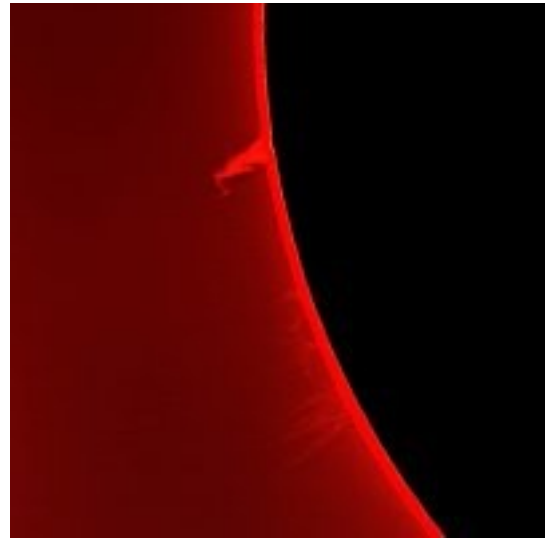
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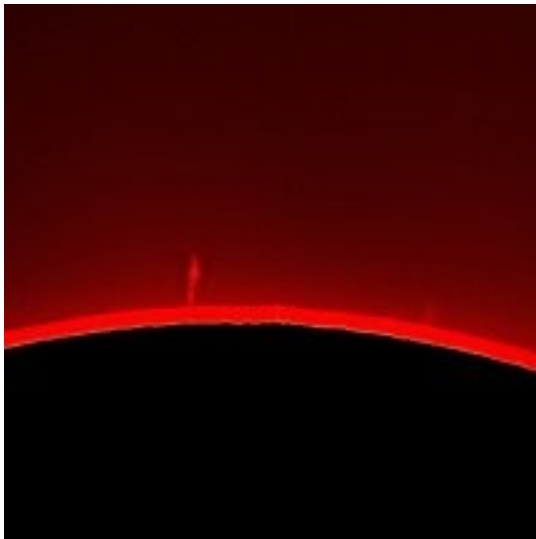
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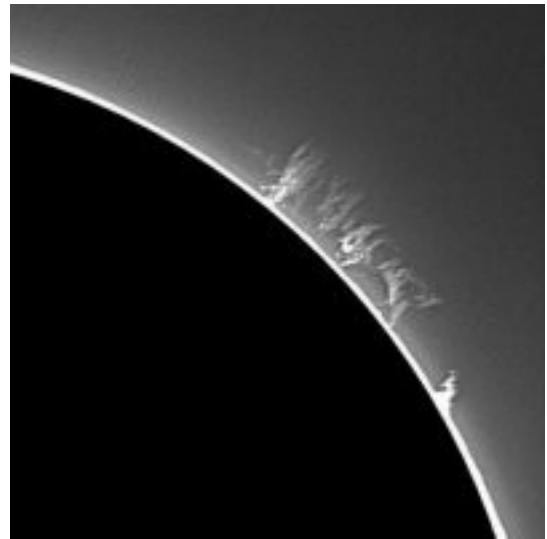
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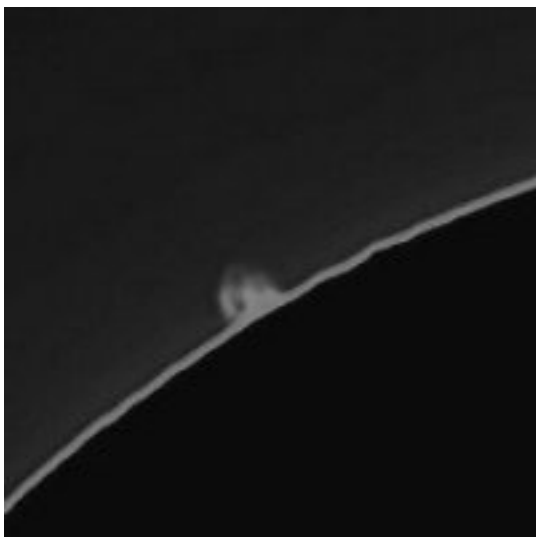
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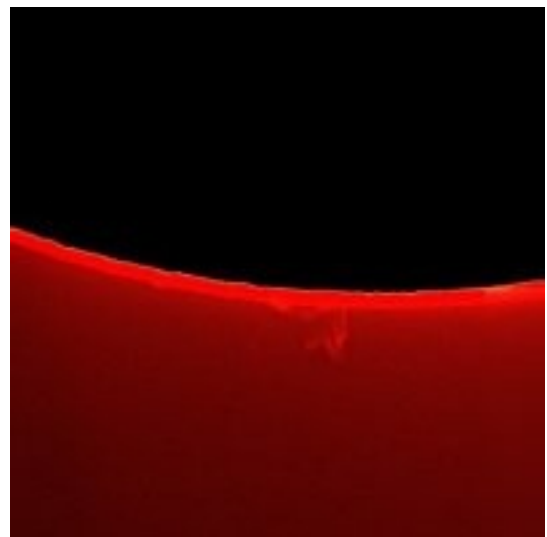
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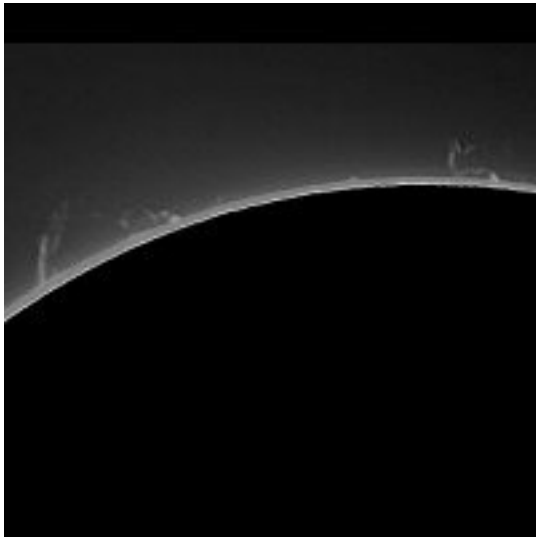
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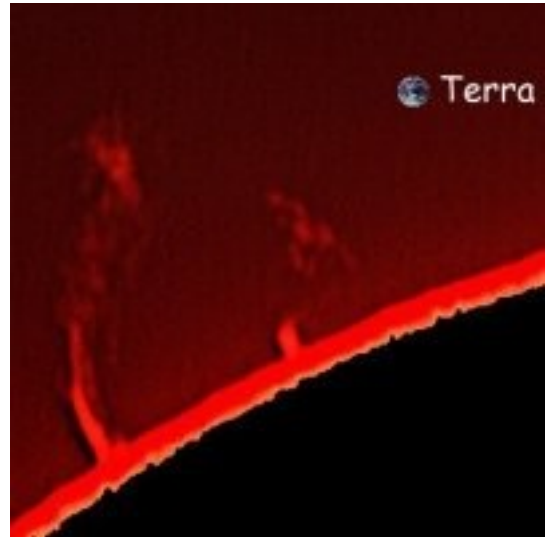
28/08/2009



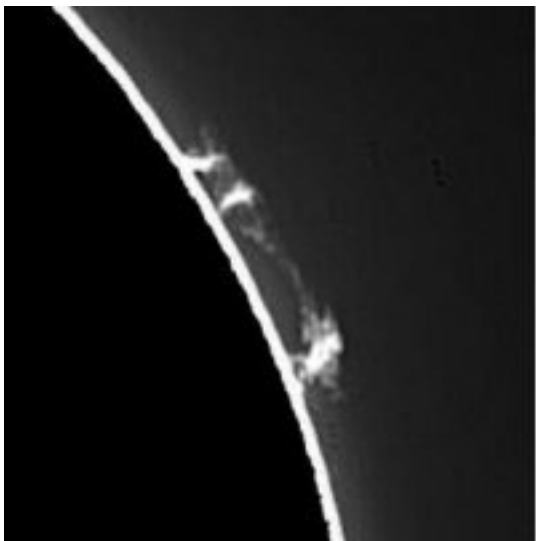
28/08/2009



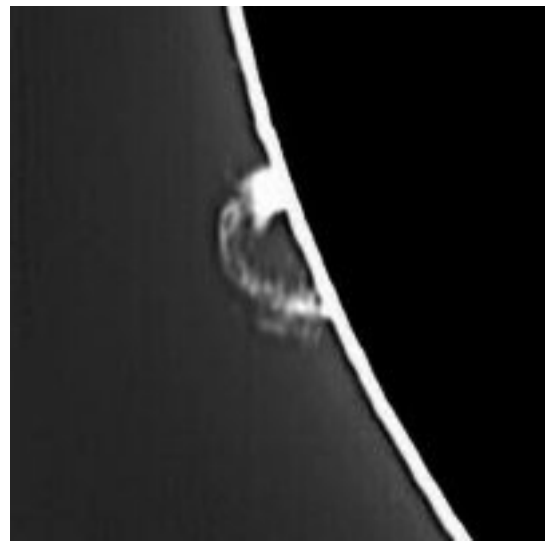
29/08/2009



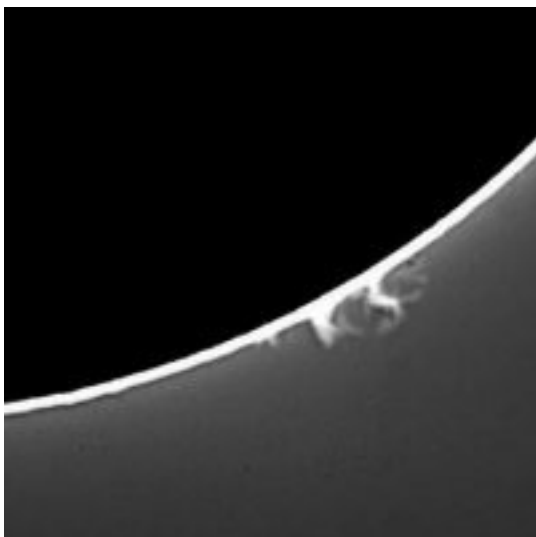
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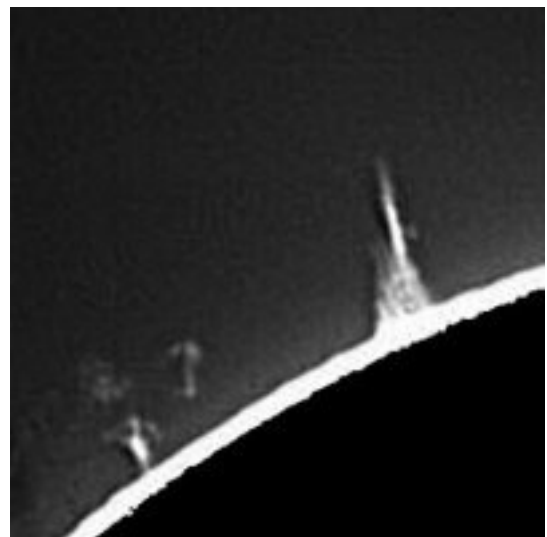
30/08/2009



30/08/2009

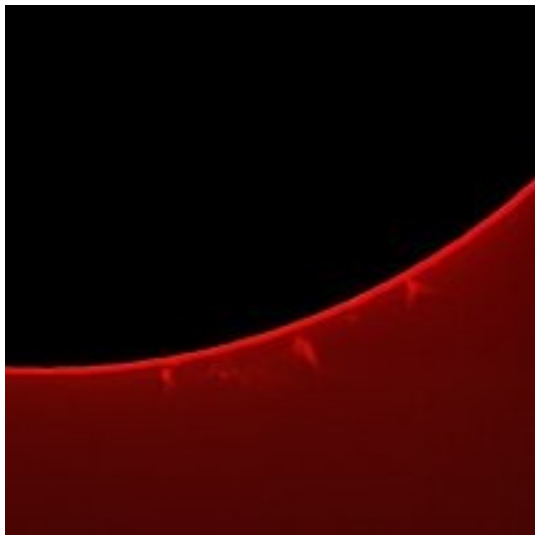


30/08/2009



30/08/2009





31/08/2009

**Fabio Mariuzza**

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Maggiori informazioni: [www.friulinelweb.it/sole.htm](http://www.friulinelweb.it/sole.htm)