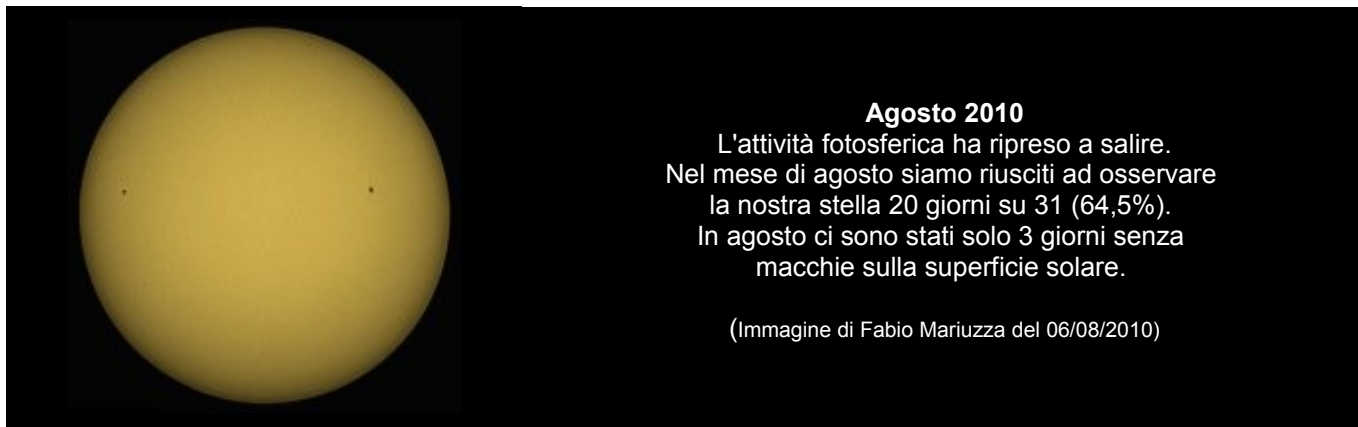


RAPPORTO ATTIVITA' SOLARE

AGOSTO 2010



Il mese di agosto è stato un mese nel quale il numero di Wolf è tornato a salire rispetto a luglio. Il grafico del numero di Wolf che seguirà vi mostrerà un saliscendi continuo, però con una tendenza chiaramente in salita. Il valore medio raggiunto è di 24,00. Nell'arco del mese sono stati presenti ben 16 gruppi (sette in più rispetto a luglio): questi gruppi sono stati registrati con i numeri NOAA 11092-93-94-95-96-97-98-99-100-101-102. Solo per tre giorni, in questo mese, il sole è stato senza macchie, anche se i gruppi tramontati erano ovviamente attivi sull'emisfero solare non osservabile dalla Terra.

Le nostre osservazioni registrano un'attività fotosferica e cromosferica nel complesso medio-bassa. Per comprendere meglio quale sia stata l'attività della nostra stella, guardate le fotografie più sotto.

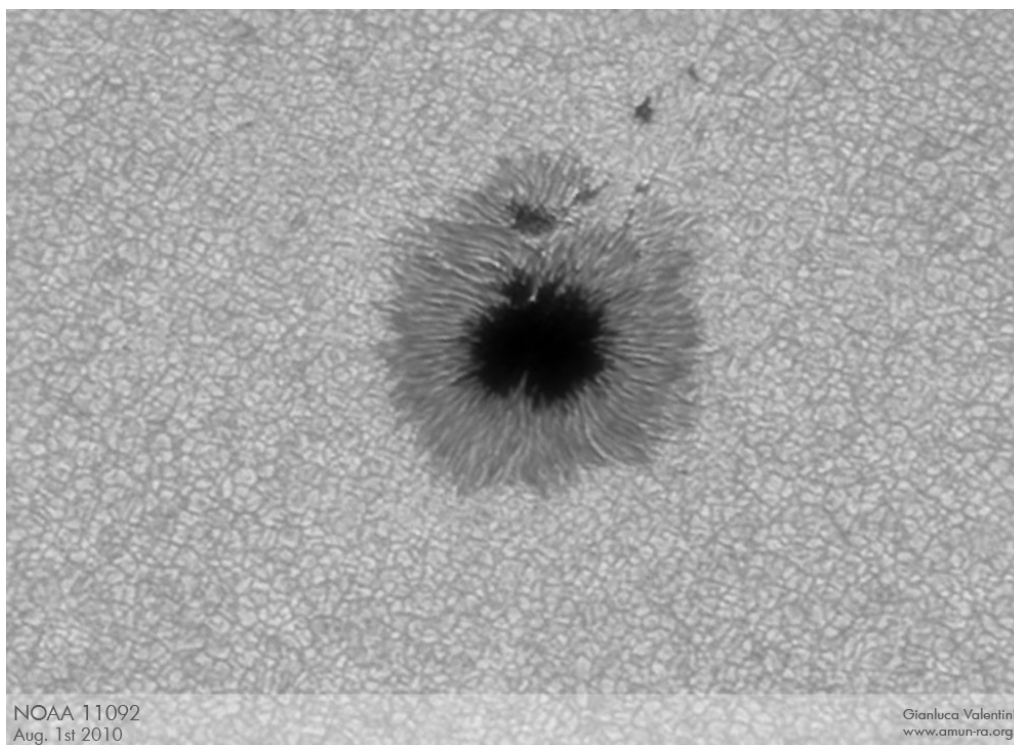


Immagine in HR di Gianluca Valentini: NOAA 11092 il 01/08/2010 (si ringrazia l'autore)

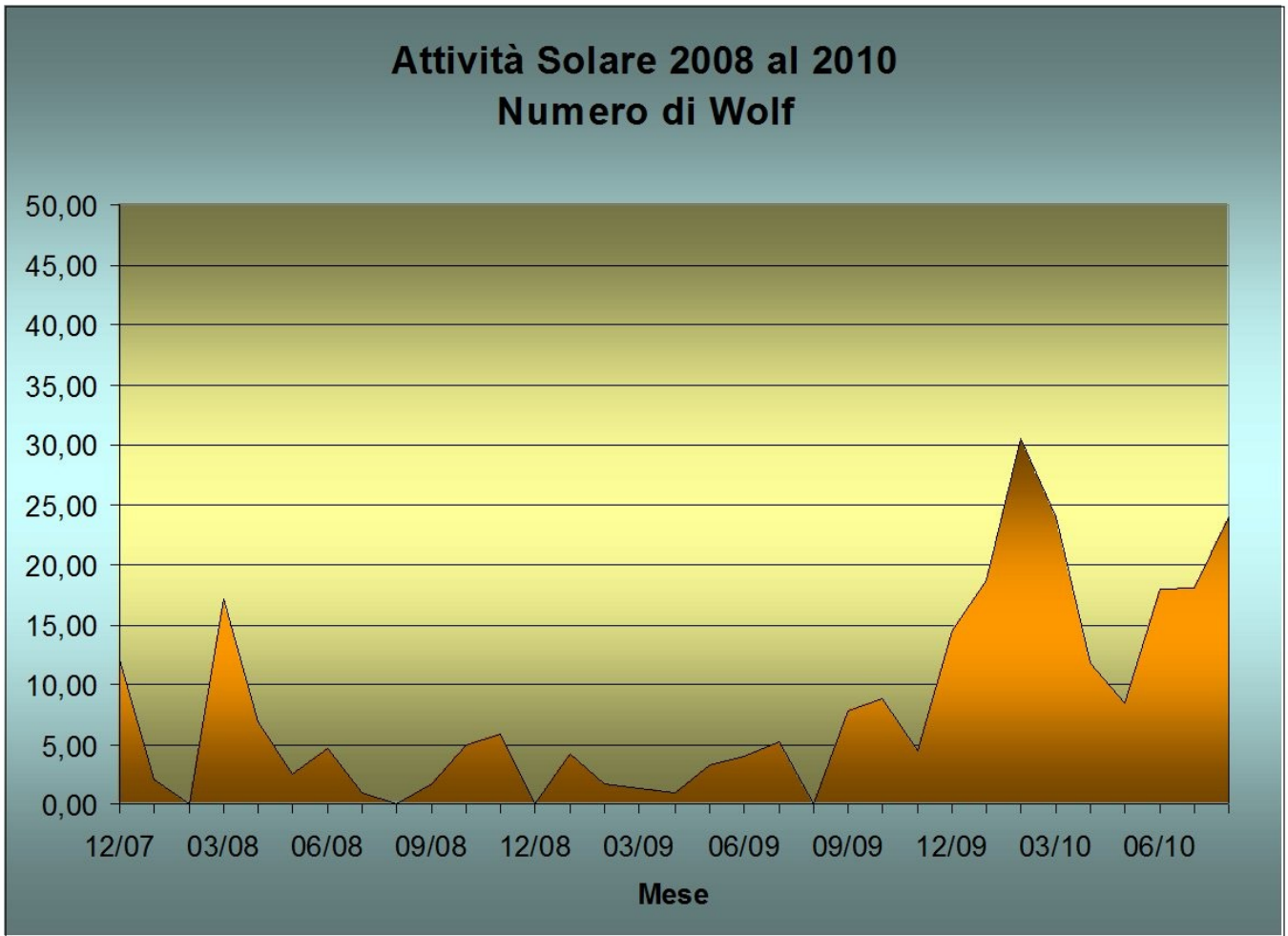
TABELLA DI OSSERVAZIONE MENSILE IN LUCE VISIBILE

Numero	Data	Ora	Ora	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
		Locale	TU											Nro wolf
613	01/08/10	07:55	05:55	2099	31,53	2455409,7	10,87	5,79	110,74	19°43'	5/5	1	4	14
614	02/08/10	07:50	05:50	2099	31,53	2455410,7	11,26	5,86	97,56	18°41'	5/5	1	3	13
615	03/08/10	10:00	08:00	2099	31,53	2455411,8	11,69	5,94	83,14	40°49'	4/5	1	2	12
616	04/08/10	08:45	06:45	2099	31,53	2455412,8	12,06	6,00	70,61	27°54'	5/5	2	3	23
	05/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
617	06/08/10	07:45	05:45	2099	31,55	2455414,7	12,81	6,13	44,71	17°09'	4/5	4	9	49
618	07/08/10	08:15	06:15	2099	31,55	2455415,8	13,19	6,20	31,22	22°10'	4/5	4	6	46
619	08/08/10	08:05	06:05	2099	31,55	2455416,8	13,56	6,26	18,09	20°16'	5/5	3	4	34
620	09/08/10	08:30	06:30	2099	31,57	2455417,8	13,94	6,32	4,64	24°26'	5/5	4	12	52
	10/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	13/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
621	14/08/10	11:55	09:55	2100	31,58	2455422,9	15,76	6,60	296,66	54°19'	3/5	2	9	29
622	15/08/10	08:55	06:55	2100	31,60	2455423,8	16,06	6,65	285,10	27°40'	3/5	3	13	43
623	16/08/10	08:15	06:15	2100	31,60	2455424,8	16,39	6,69	272,25	20°33'	3/5	3	9	39
624	17/08/10	08:00	06:00	2100	31,60	2455425,8	16,72	6,74	259,17	17°46'	5/5	2	6	26
	18/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
625	19/08/10	09:40	07:40	2100	31,62	2455427,8	17,39	6,83	231,82	34°28'	3/5	1	1	11
626	20/08/10	10:20	08:20	2100	31,63	2455428,8	17,72	6,87	218,24	40°36'	4/5	0	0	0
627	21/08/10	08:30	06:30	2100	31,63	2455429,8	18,01	6,90	206,03	22°12'	5/5	0	0	0
628	22/08/10	08:25	06:25	2100	31,63	2455430,8	18,31	6,94	192,86	21°09'	5/5	0	0	0
	23/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	24/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	25/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
629	26/08/10	17:45	15:45	2100	31,67	2455435,2	19,61	7,08	134,88	22°09'	4/5	2	2	22
	27/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
630	28/08/10	08:30	06:30	2100	31,68	2455436,8	20,06	7,12	113,55	20°49'	4/5	1	1	11
631	29/08/10	08:30	06:30	2100	31,68	2455437,8	20,33	7,14	100,34	20°37'	5/5	2	7	27
632	30/08/10	17:30	15:30	2100	31,70	2455439,2	20,69	7,17	82,17	23°30'	4/5	2	9	29
	31/08/10	-	-	-	-	-	-	-	-	-	-	-	-	-
Media												1,9	5,0	24,00

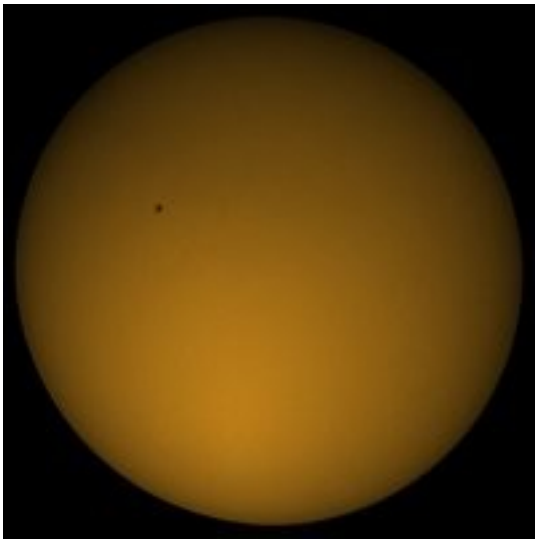
TABELLA DEL NUMERO DI WOLF DELLE NOSTRE OSSERVAZIONI

Mese	2007	2008	2009	2010
Gennaio	-	2,08	4,17	18,64
Febbraio	-	0,00	1,70	30,54
Marzo	-	17,14	1,28	24,00
Aprile	-	6,90	1,00	11,76
Maggio	-	2,48	3,30	8,43
Giugno	-	4,67	3,92	17,9
Luglio	-	0,96	5,22	18,1
Agosto	-	0,00	0,00	24
Settembre	-	1,65	7,88	
Ottobre	-	5,00	8,85	
Novembre	-	5,93	4,44	
Dicembre	12,00	0,00	14,46	

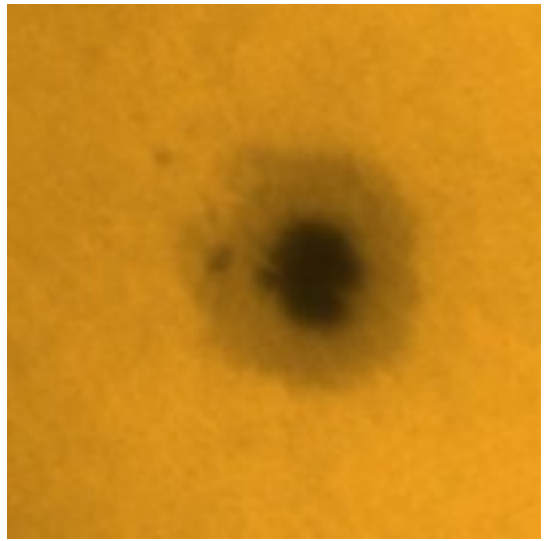
GRAFICO DEL NUMERO DI WOLF DELLE NOSTRE OSSERVAZIONI



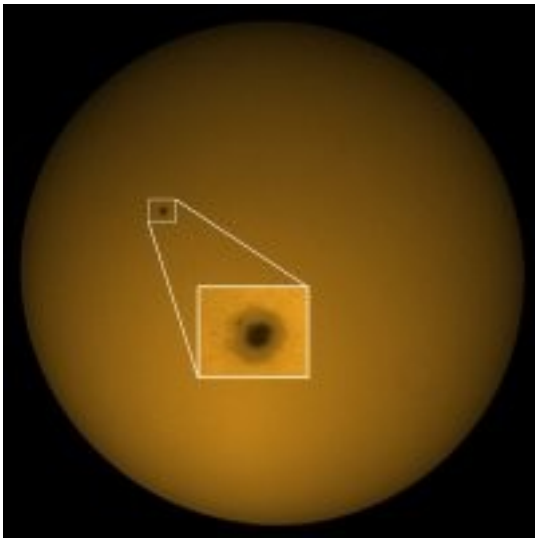
Alcune fotografie dei gruppi presenti nel mese di agosto



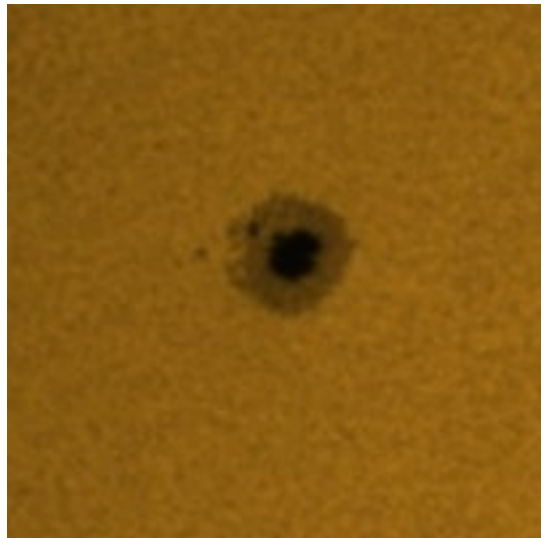
01/08/2010
(Fabio Mariuzza)



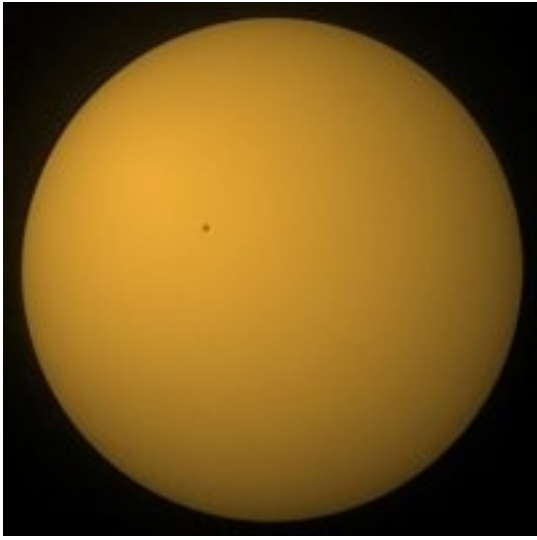
01/08/2010
(Fabio Mariuzza)



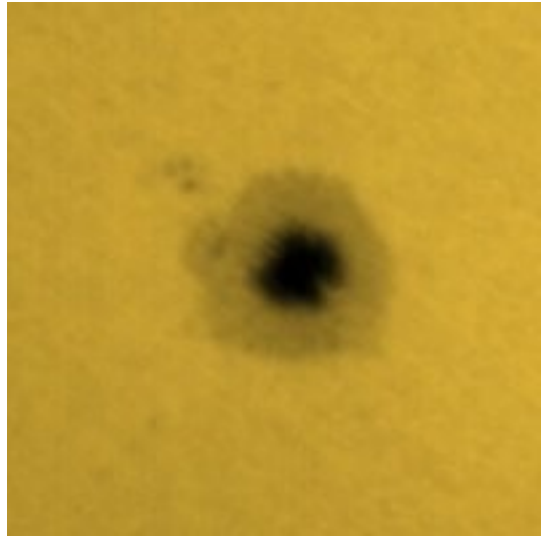
01/09/2010
(Fabio Mariuzza)



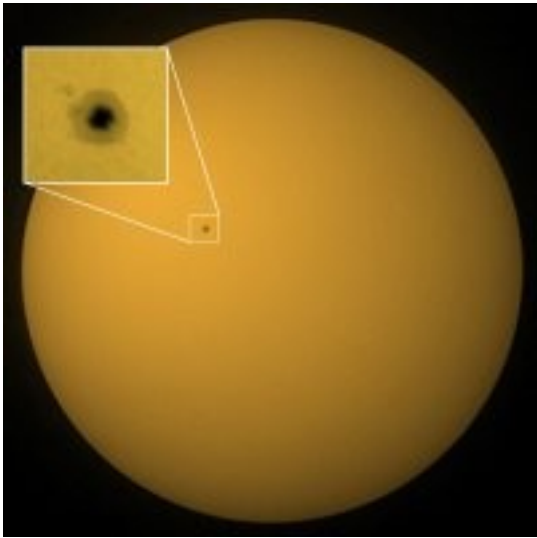
01/08/2010
(Fabio Mariuzza)



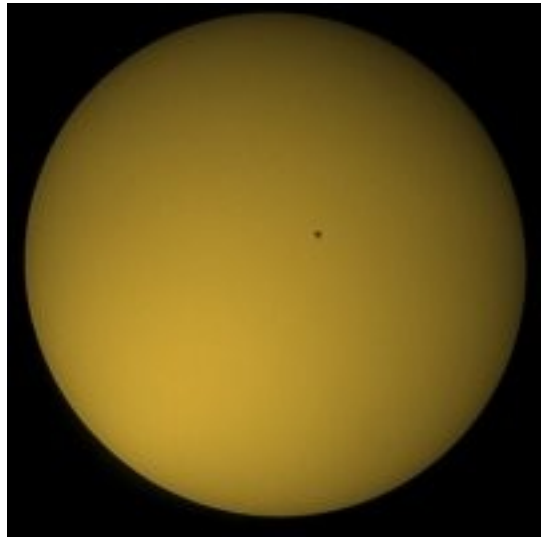
02/08/2010
(Fabio Mariuzza)



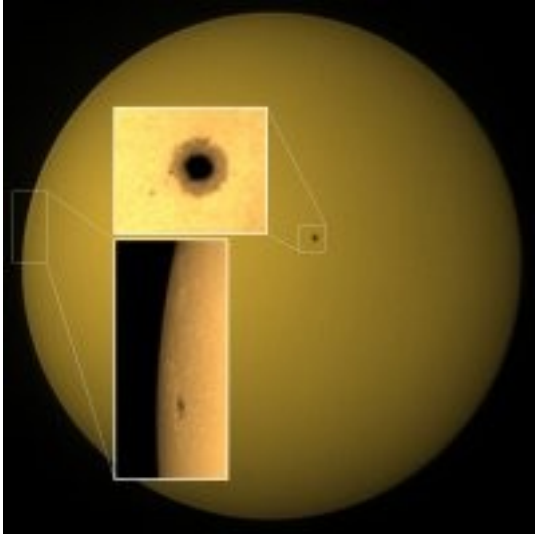
02/08/2010
(Fabio Mariuzza)



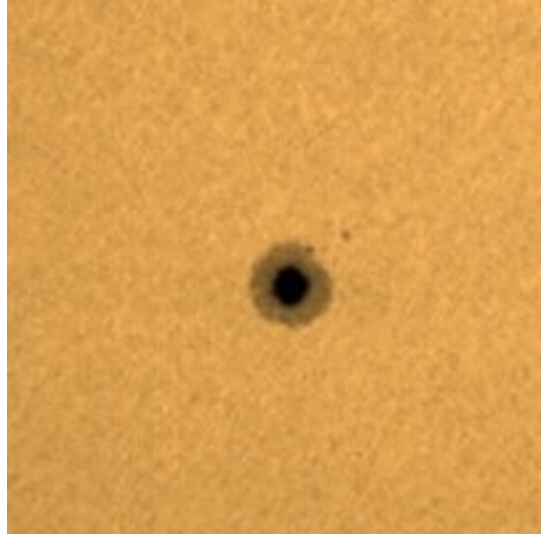
02/08/2010
(Fabio Mariuzza)



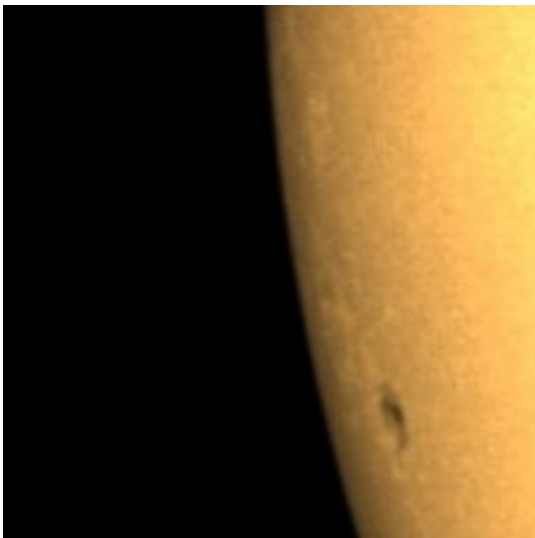
04/08/2010
(Fabio Mariuzza)



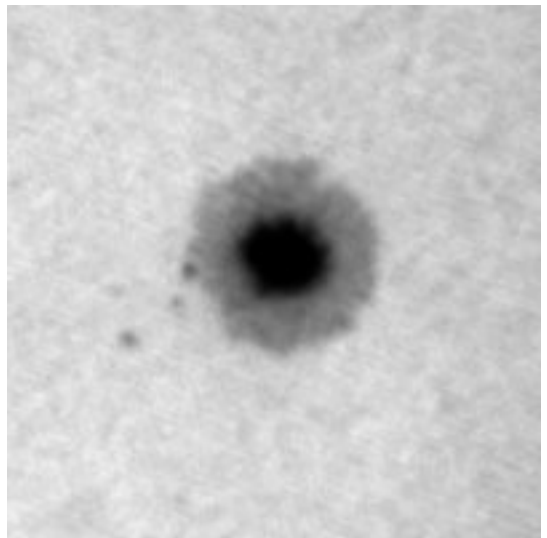
04/08/2010
(Fabio Mariuzza)



04/08/2010
(Fabio Mariuzza)



04/08/2010
(Fabio Mariuzza)



04/08/2010
(Fabio Mariuzza)



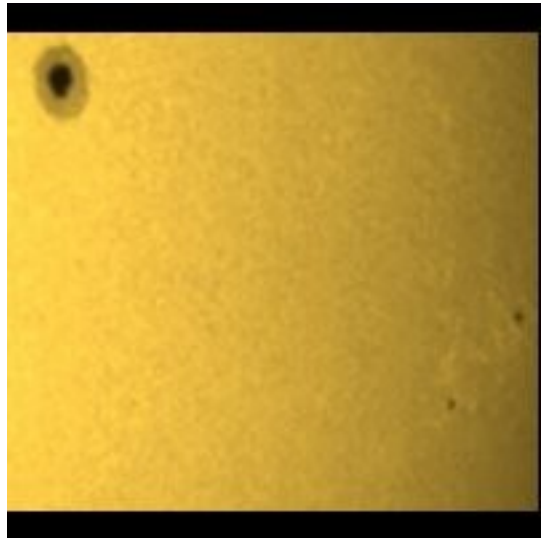
04/08/2010
(Gianfranco Meregalli)



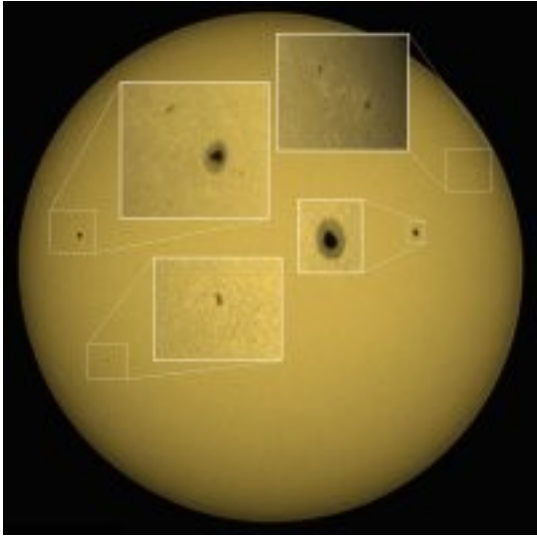
04/08/2010
(Gianfranco Meregalli)



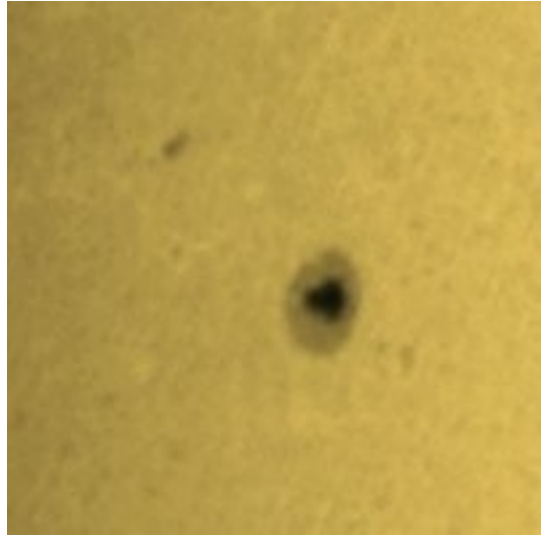
06/08/2010
(Fabio Mariuzza)



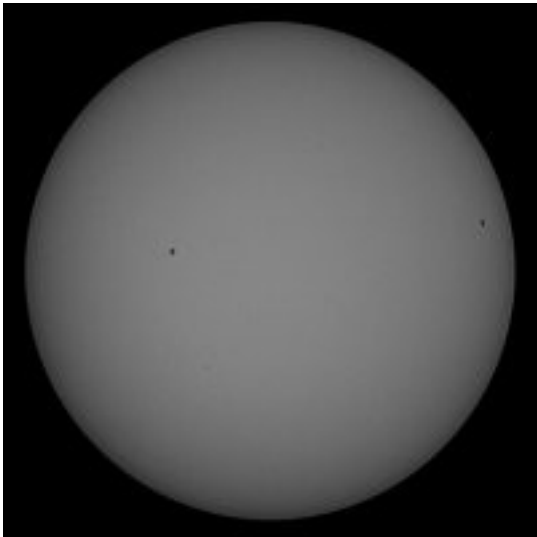
06/08/2010
(Fabio Mariuzza)



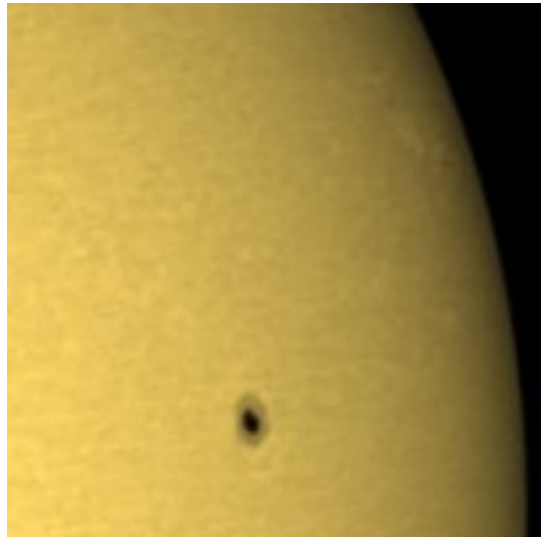
06/08/2010
(Fabio Mariuzza)



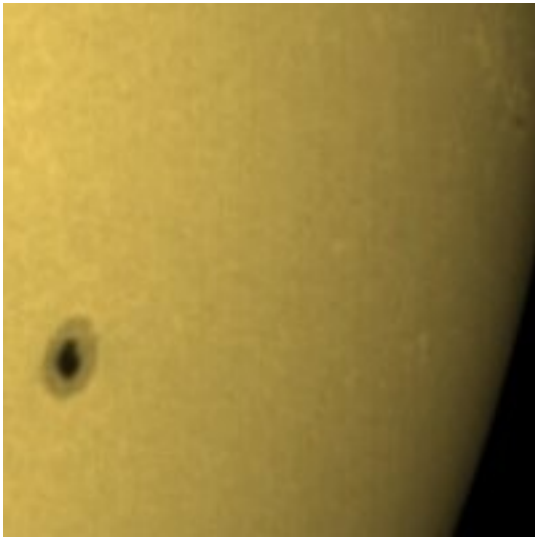
06/08/2010
(Fabio Mariuzza)



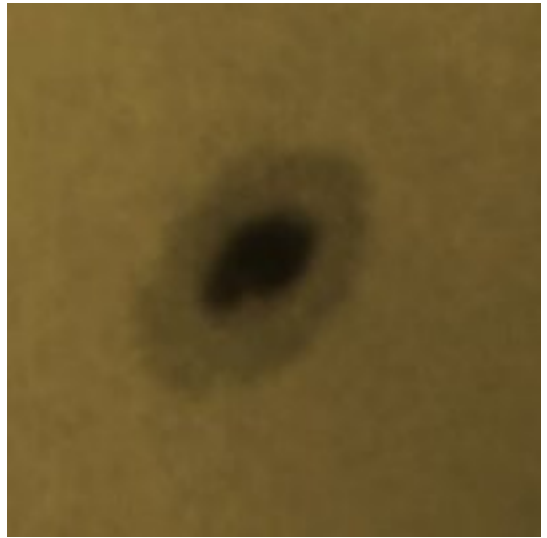
07/08/2010
(Fabio Mariuzza)



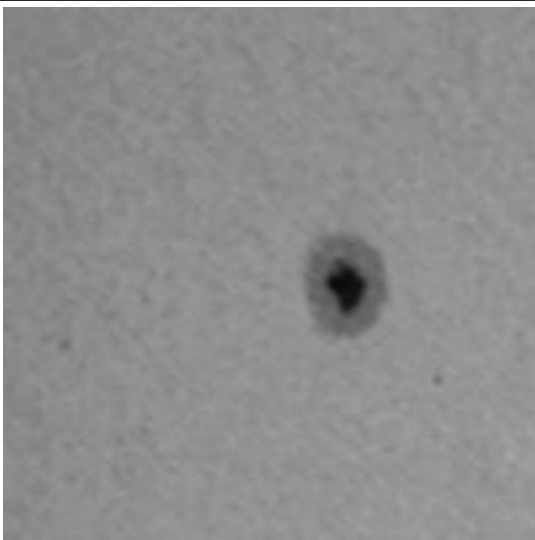
07/08/2010
(Fabio Mariuzza)



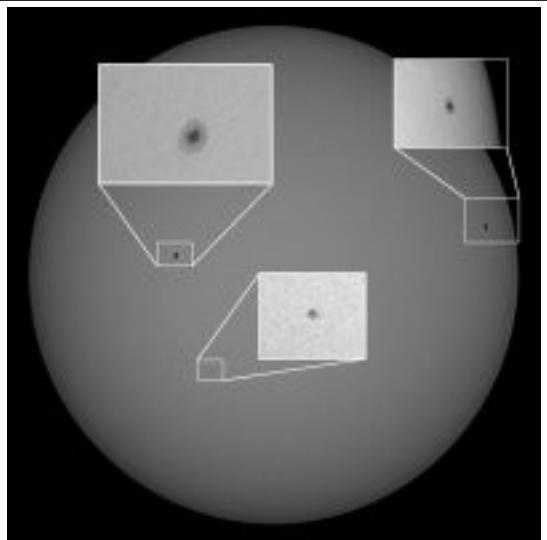
07/08/2010
(Fabio Mariuzza)



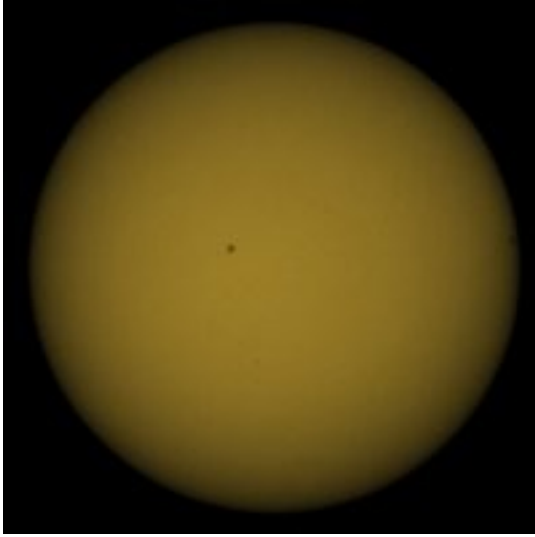
07/08/2010
(Fabio Mariuzza)



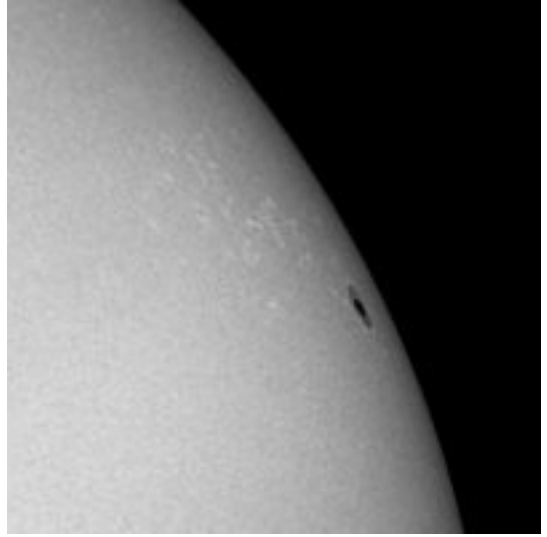
08/08/2010
(Fabio Mariuzza)



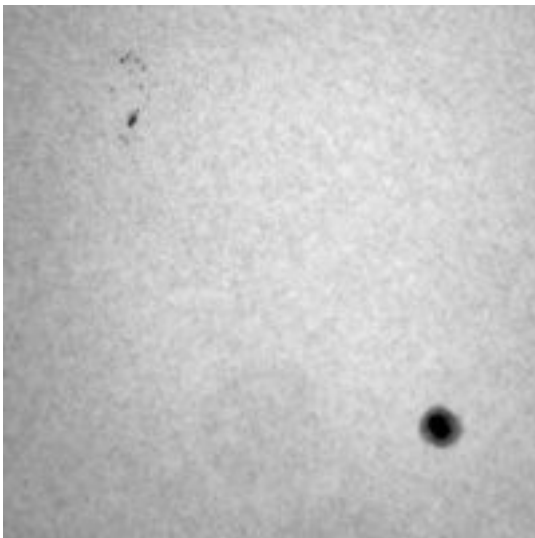
08/08/2010
(Fabio Mariuzza)



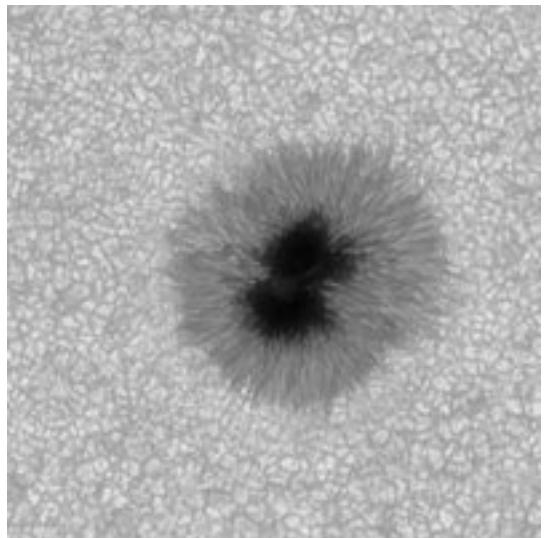
09/08/2010
(Fabio Mariuzza)



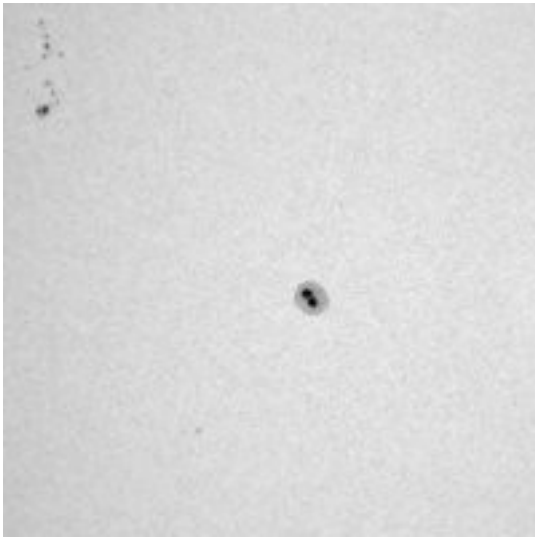
09/08/2010
(Gianfranco Meregalli)



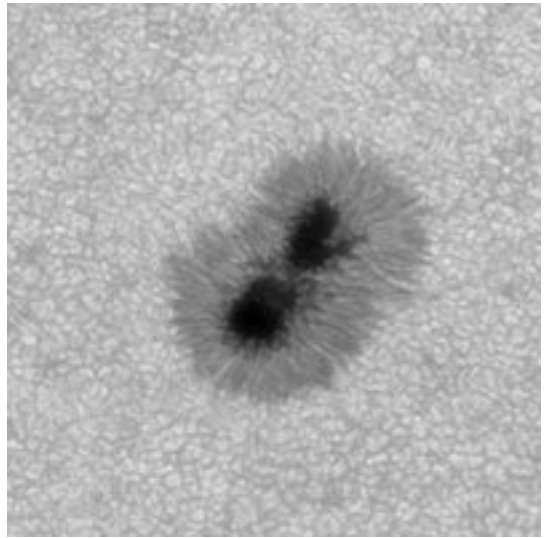
09/08/2010
(Gianfranco Meregalli)



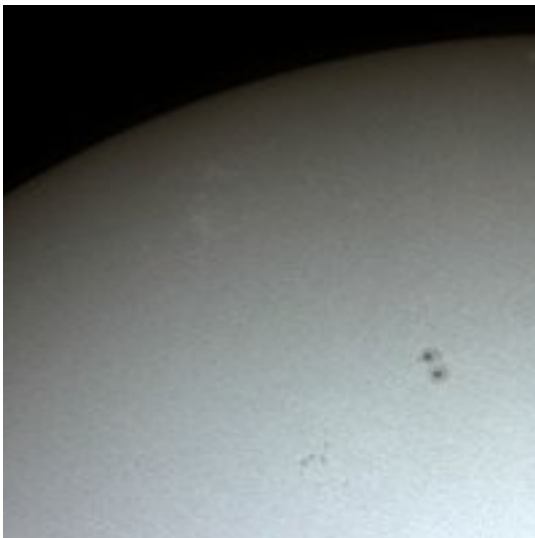
09/08/2010
(Gianluca Valentini)



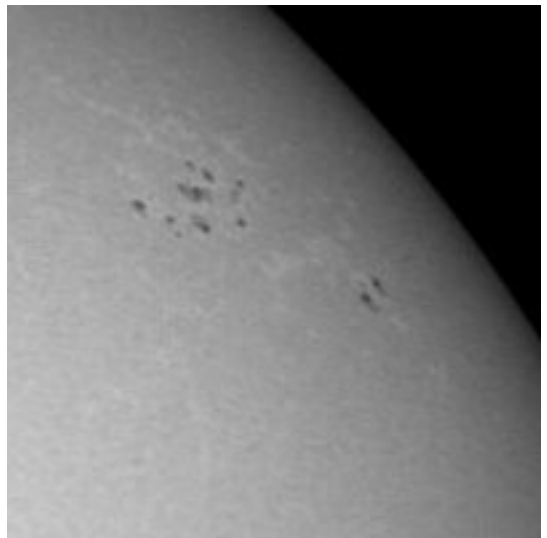
10/08/2010
(Gianfranco Meregalli)



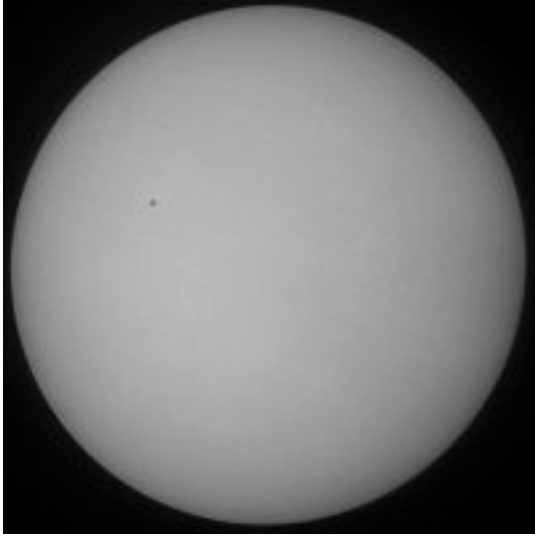
11/08/2010
(Gianluca Valentini)



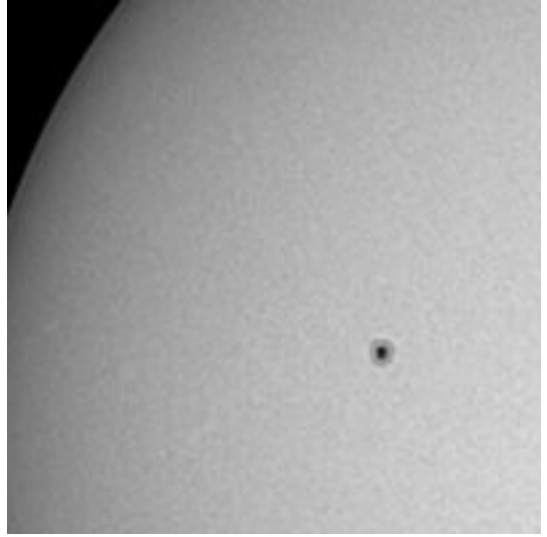
13/08/2010
(Gianfranco Meregalli)



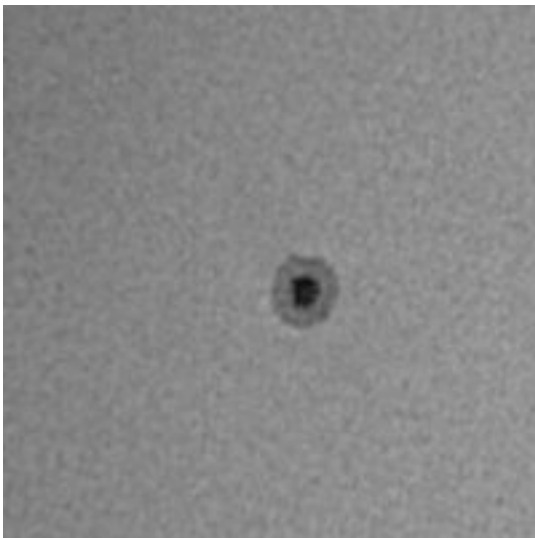
15/08/2010
(Fabio Mariuzza)



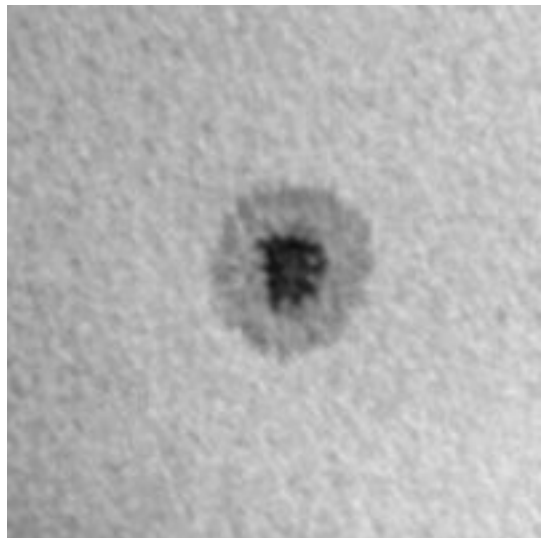
28/08/2010
(Fabio Mariuzza)



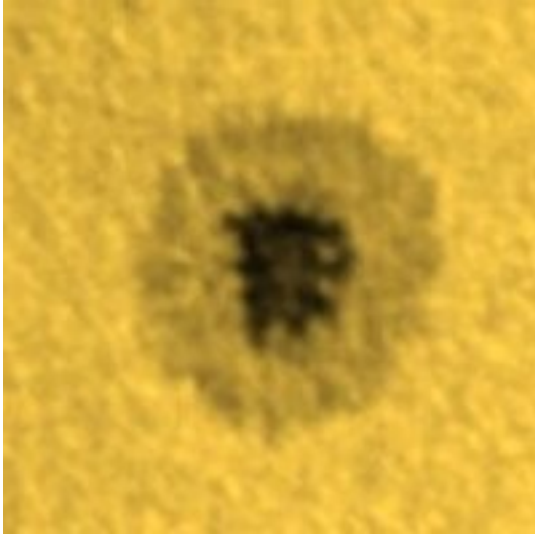
28/08/2010
(Fabio Mariuzza)



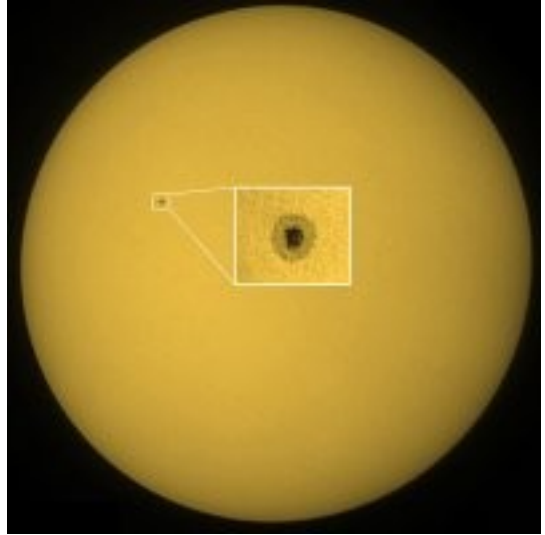
28/08/2010
(Fabio Mariuzza)



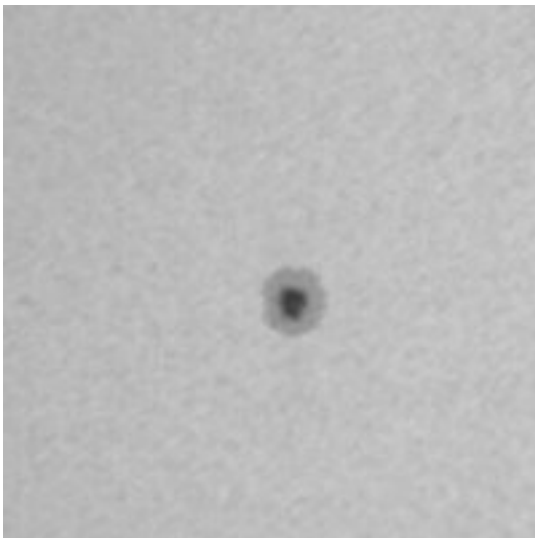
28/08/2010
(Fabio Mariuzza)



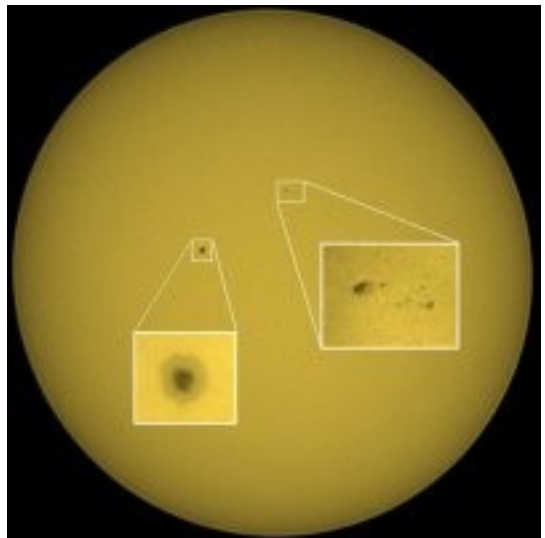
28/08/2010
(Fabio Mariuzza)



28/08/2010
(Fabio Mariuzza)



29/08/2010
(Fabio Mariuzza)



29/08/2010
(Fabio Mariuzza)

OSSERVAZIONE MENSILE IN LUCE H-alfa (6563Å)

Nel mese di agosto il numero delle protuberanze al lembo è salito al valore di 70,2. Questo ci fa capire che l'attività solare nei prossimi mesi dovrebbe aumentare.

In questo mese l'attività cromosferica è stata evidenziata da diverse regioni attive, le quali hanno prodotto pochi flare ma tante protuberanze

Come potete vedere nelle immagini presentate nelle pagine seguenti, vi sono state diverse protuberanze di piccola dimensione.

Nel mese di luglio si sono visti 18 flare (12 in meno rispetto a luglio): il più forte si è registrato l'11/08 (M1.0).

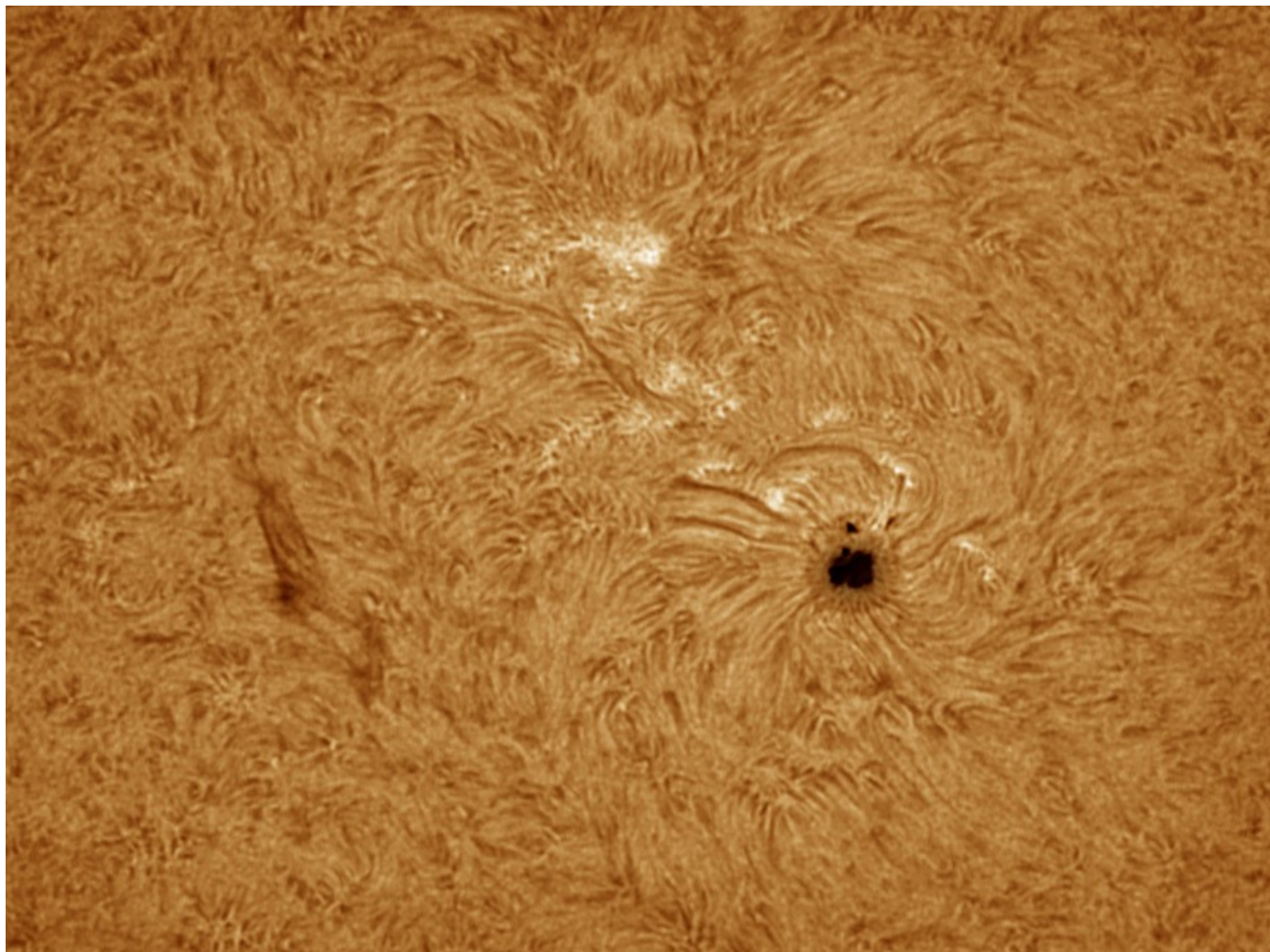
Per maggiori informazioni si visiti: http://www.lmsal.com/solarsoft/latest_events_archive.html

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	600	5	1	4	12	3	8			7	52	38	90
2	555	5	1	3	10	2	4			5	40	24	64
3	810	4	2	2	2	1	2			3	22	12	34
4	650	5	1	3	6	1	3			4	36	13	49
5													
6	550	4	1	5	10	2	7			7	60	27	87
7	620	4	2	4	9	3	5			7	49	35	84
8	615	5	1	2	3	3	5			5	23	35	58
9	640	5	1	4	9	2	6			6	49	26	75
10													
11													
12													
13													
14	955	3	3	3	3	3	3			6	33	33	66
15	710	3	3	2	5	3	7			5	25	37	62
16	610	3	3	2	2	3	4			5	22	34	56
17	610	5	1	3	10	1	2			4	40	12	52
18													
19	730	3	3	3	5	3	6			6	35	36	71
20	920	4	2	4	6	4	12			8	46	52	98
21	630	5	1	3	6	3	5			6	36	35	71
22	625	5	1	4	6	2	4			6	46	24	70
23													
24													
25													
26	1550	4	2	3	5	4	9			7	35	49	84
27													
28	640	4	2	3	5	3	3			6	35	33	68
29	640	5	1	3	4	3	6			6	34	36	70
30	1530	4	2	6	10	2	4			8	70	24	94
31													
medie >>>>				3	6	3	5	#DIV/0!	#DIV/0!	5,9	39,4	30,8	70,2

TABELLA DELLE PROTUBERANZE AL LEMBO

MESE	2009	2010
Gennaio		46,9
Febbraio		43,5
Marzo		40,6
Aprile	43,2	47,9
Maggio	36,7	49,6
Giugno	40,0	52,4
Luglio	39,6	58,0
Agosto	39,3	70,2
Settembre	36,8	
Ottobre	48,7	
Novembre	38,9	
Dicembre	38,9	



NOA 1092 Ripresa il 01.08.2010 alle ore 12:09 T.U. da Premariacco (UD) - Seeing discreto 6-7/10.

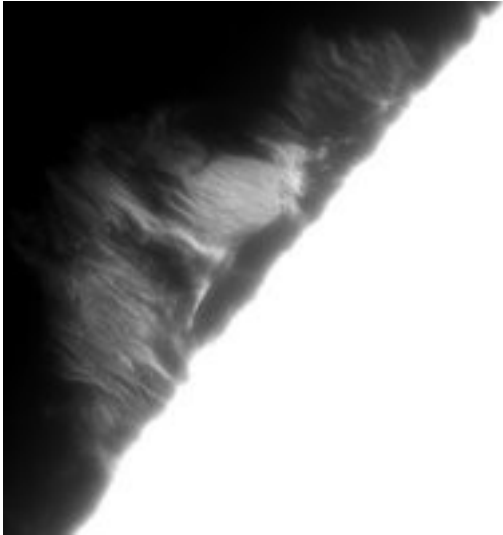
Ottica: Astro-Physics 130 EDFS a f.12 tramite l'interposizione di una barlow 2 X A.P. - Filtro H-Alpha Solarscope da 70 mm. - Camera di ripresa ImagingSource DMK31AF03 e filtro IR CUT. Somma di 300 frames sul totale di 450. Somma ed elaborazioni eseguite con il software Registax4 e programmi di fotoritocco. Montatura AP 1200 QMD. Seeing discreto 6-7/10 con buona trasparenza.

<http://www.astrofoterissinotto.org>

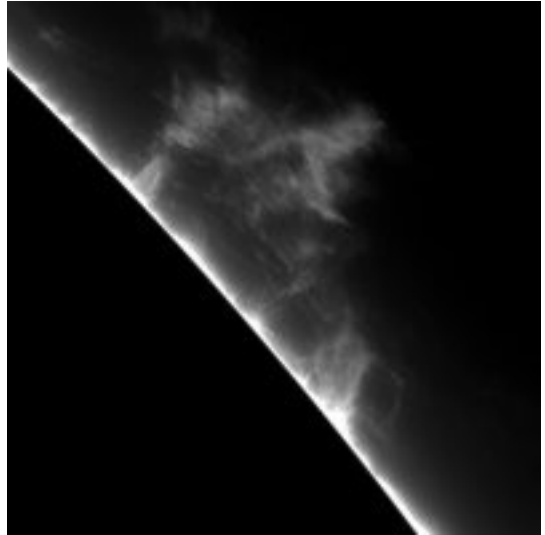
<http://www.castfvg.it>

(Si ringrazia l'autore)

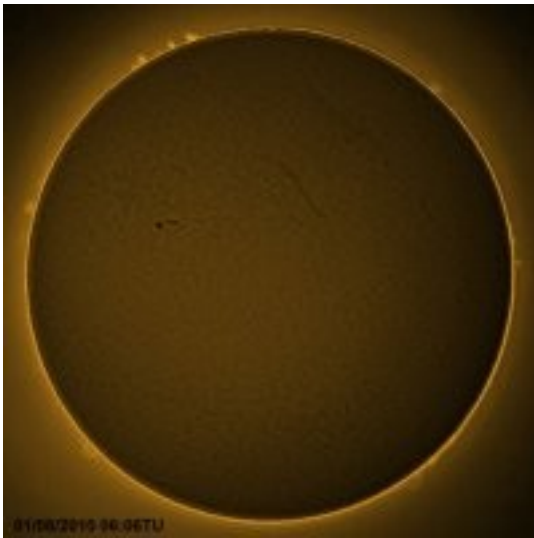
Alcune fotografie delle protuberanze più importanti del mese di agosto



01/08/2010
(Gianluca Valentini)

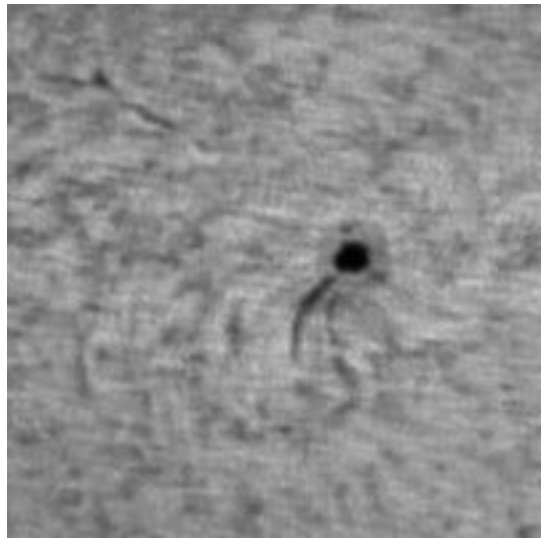


01/08/2010
(Gianluca Valentini)

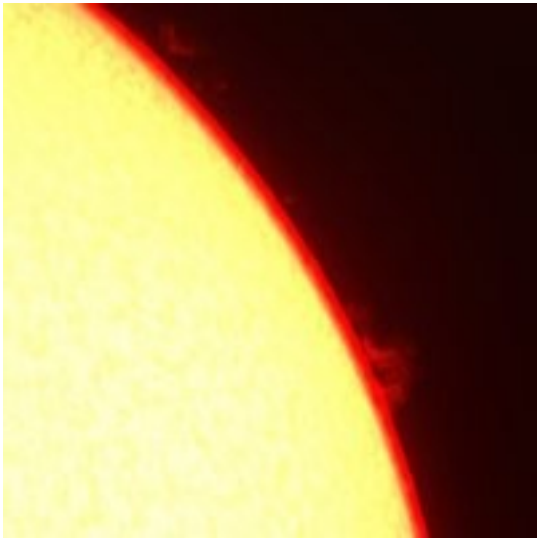


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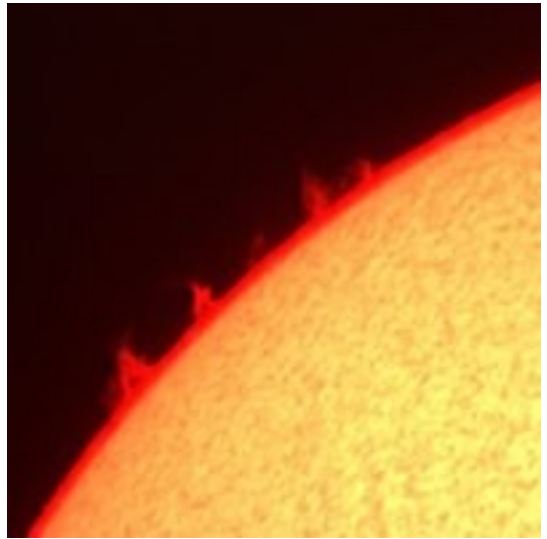
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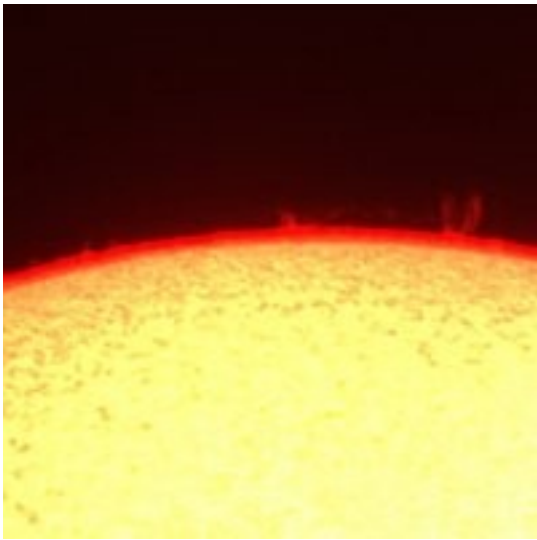
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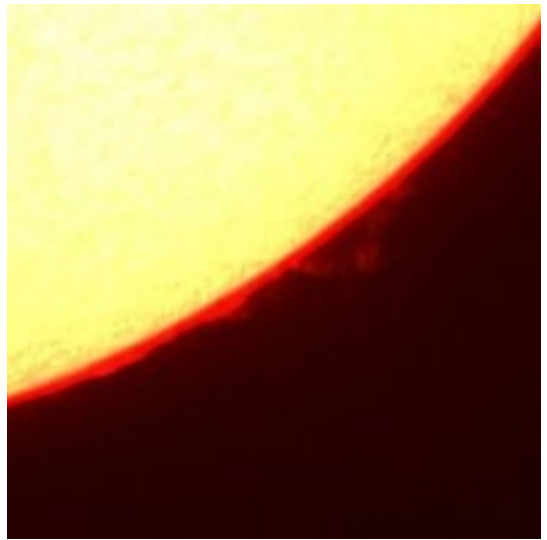
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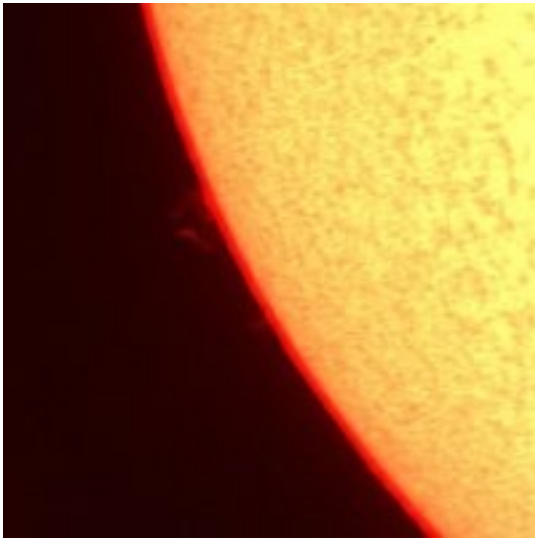
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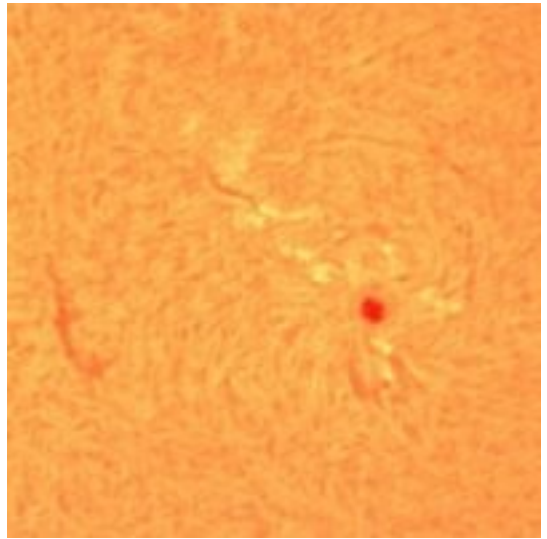
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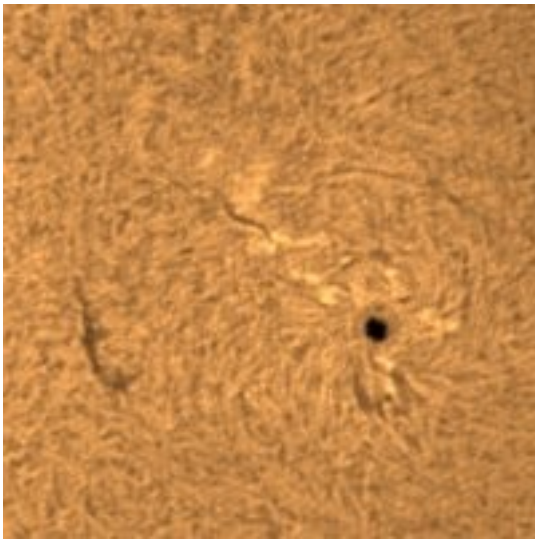
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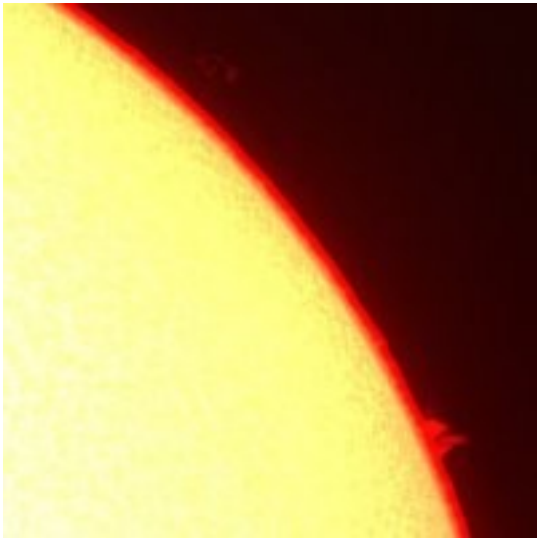
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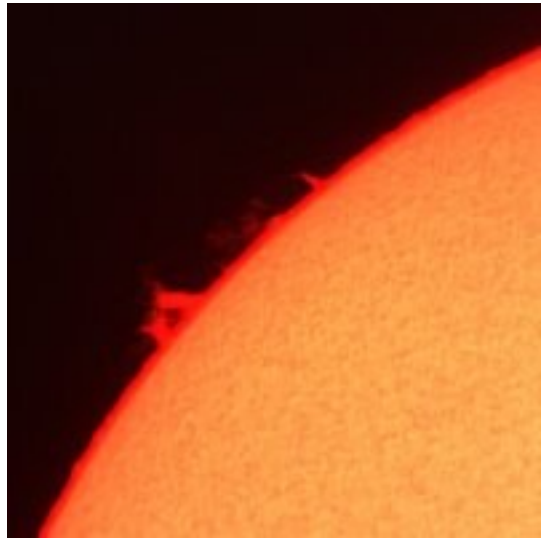
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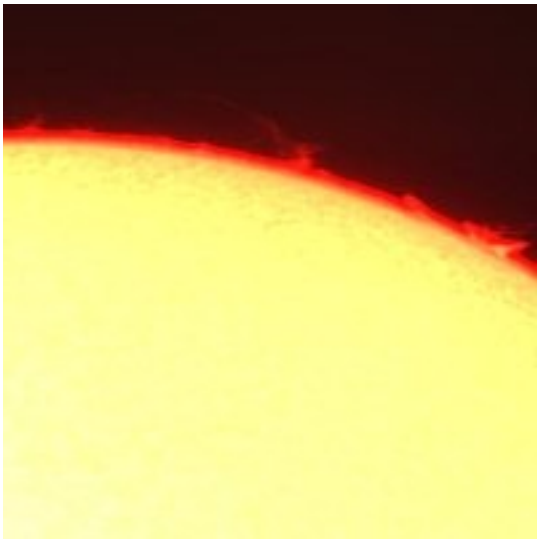
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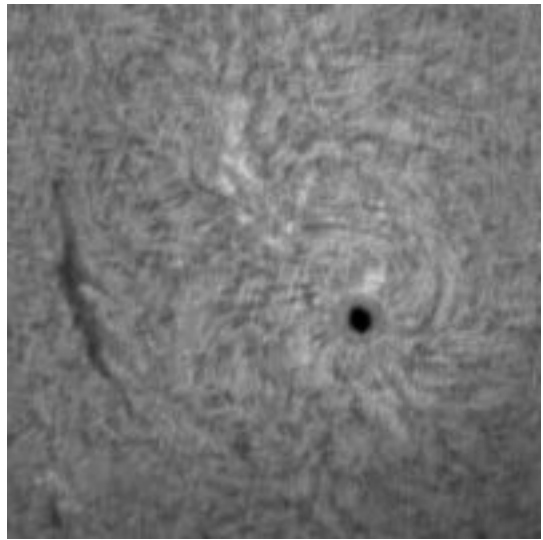
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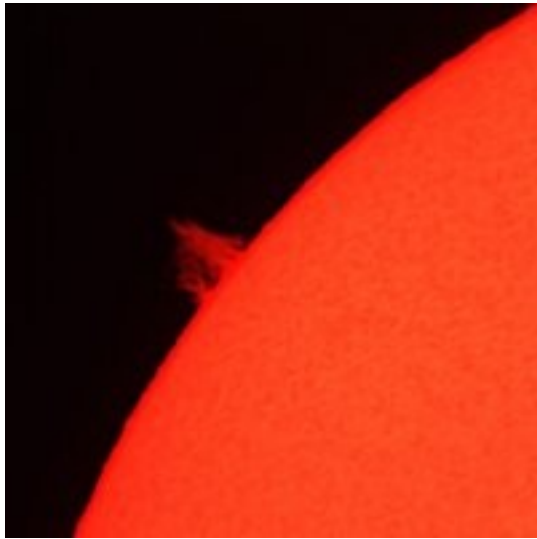
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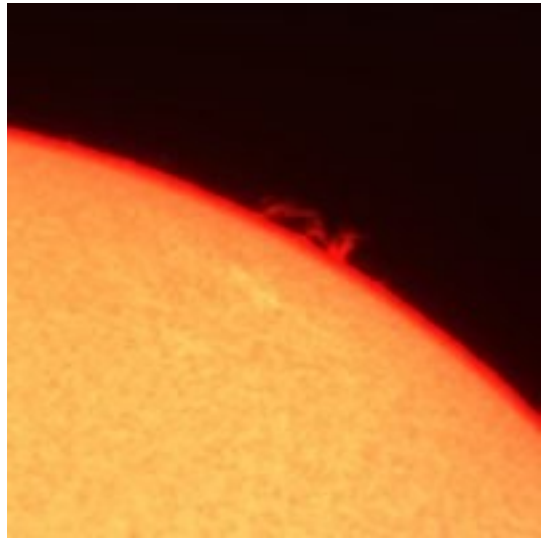
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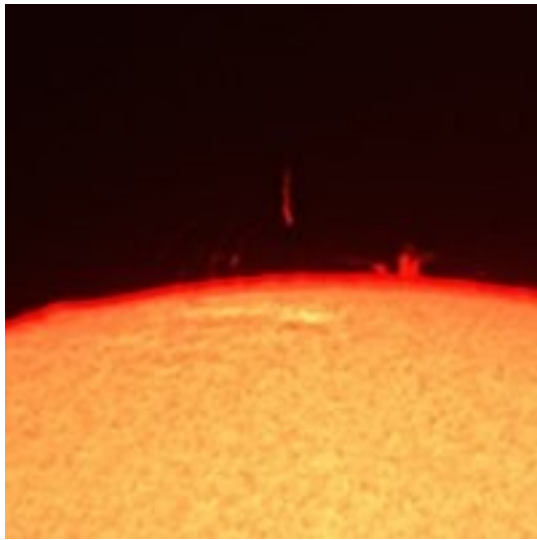
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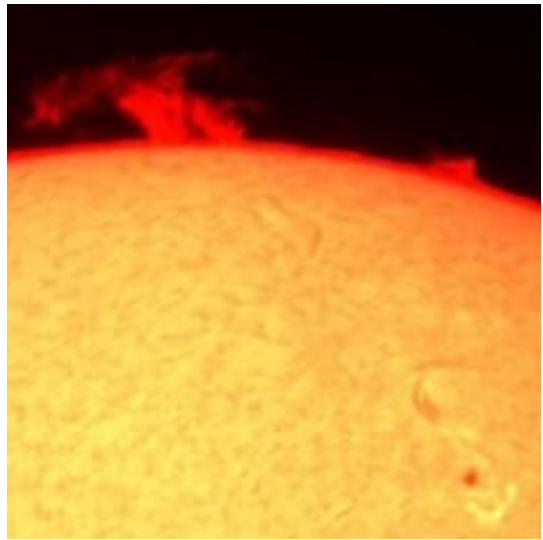
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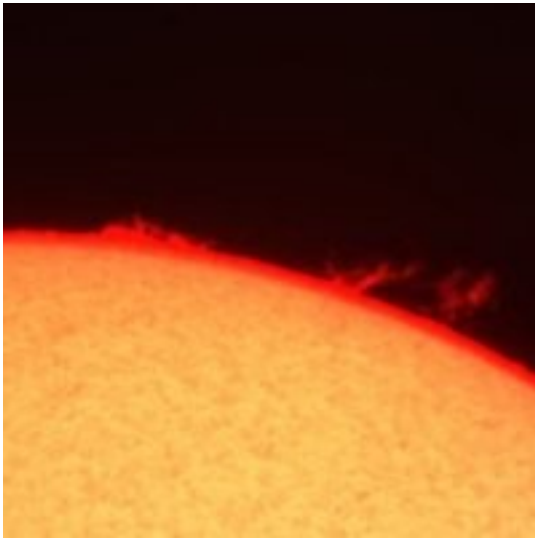
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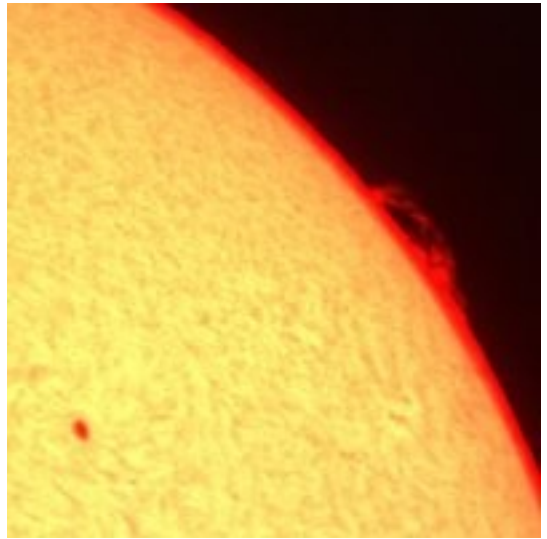
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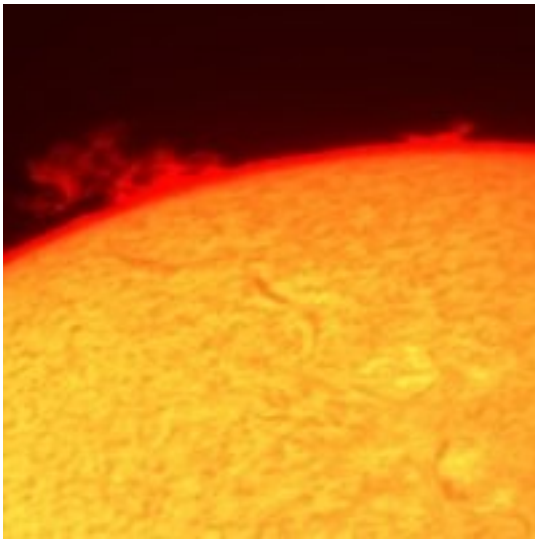
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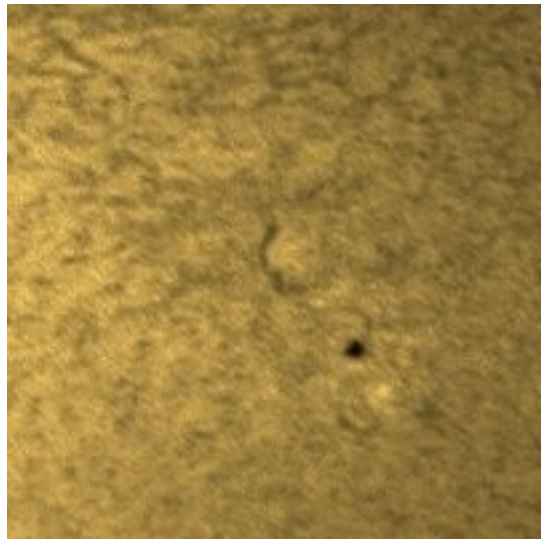
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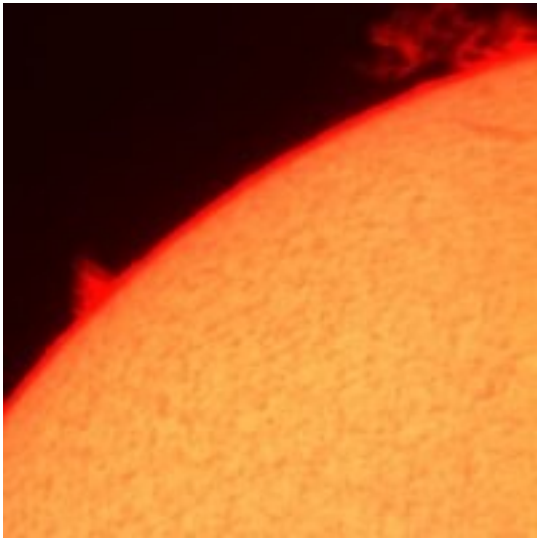
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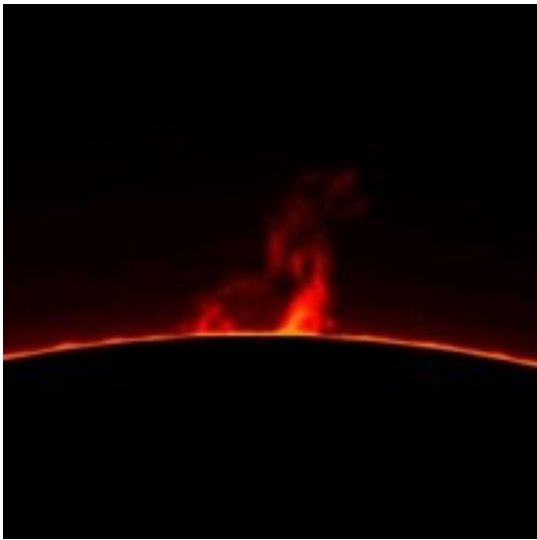
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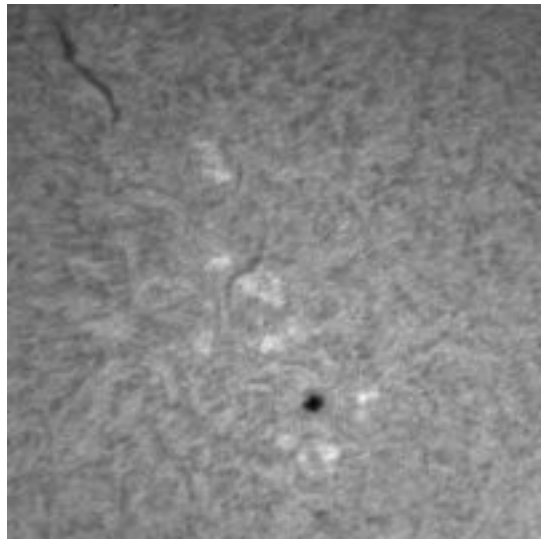
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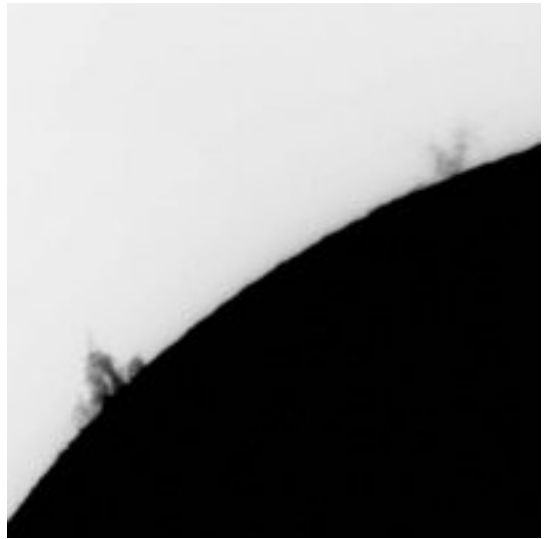
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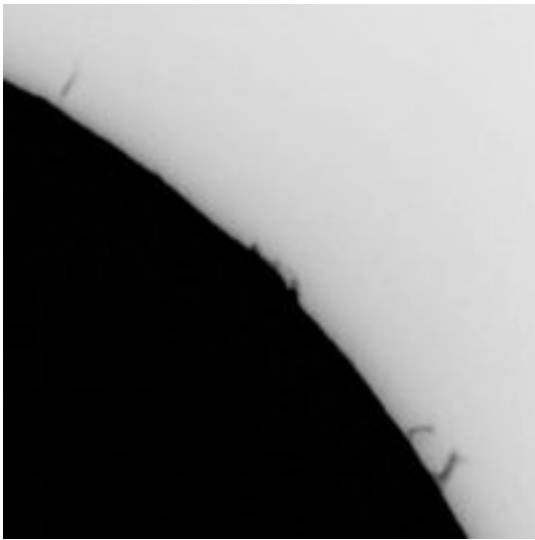
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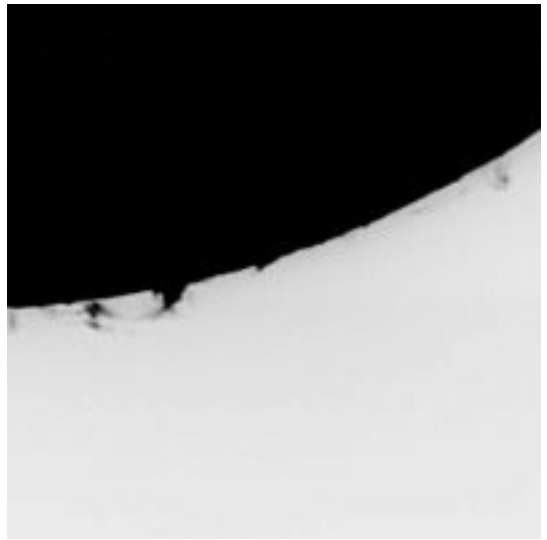
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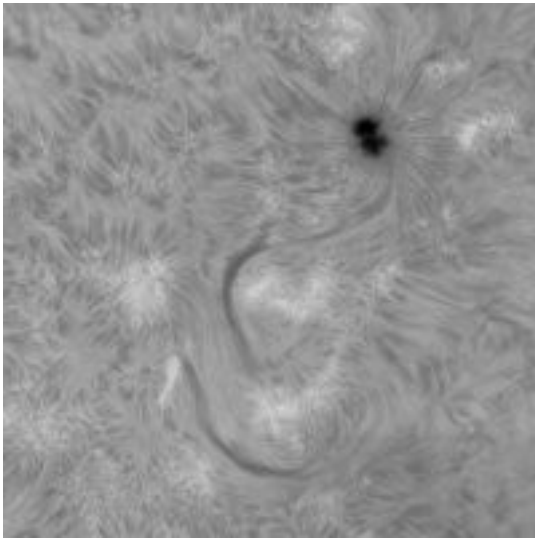
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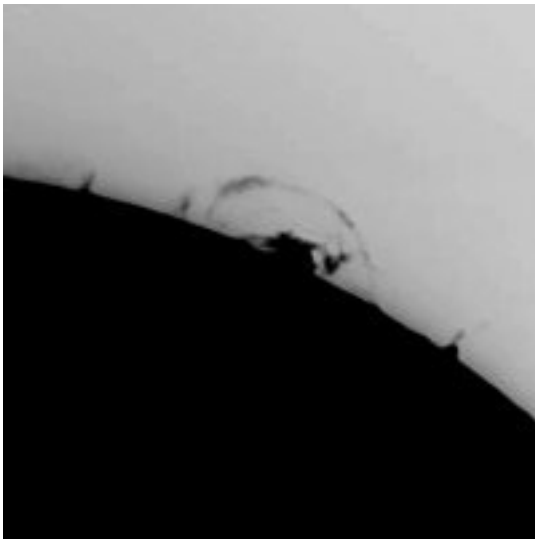
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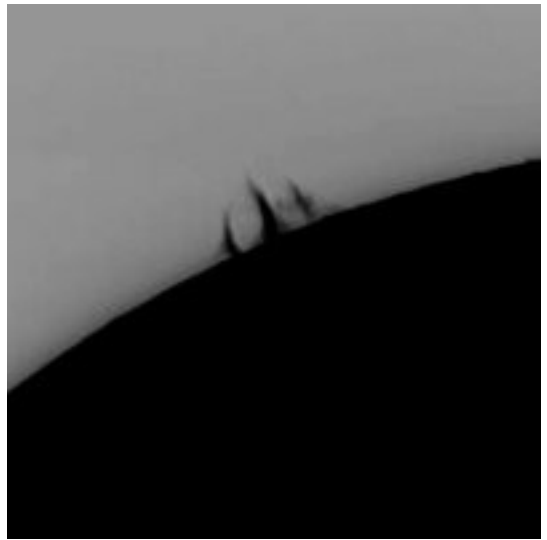
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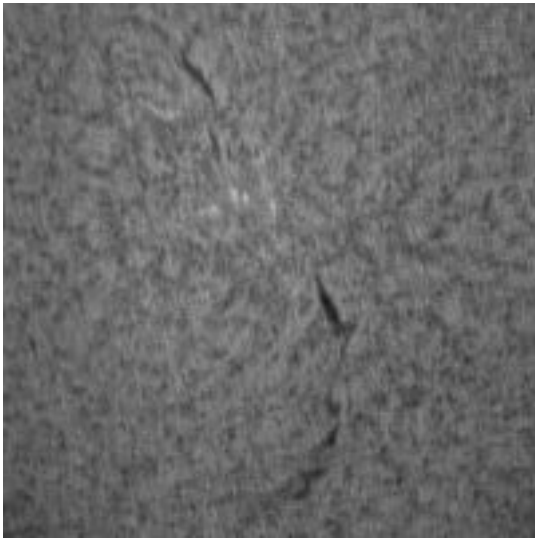
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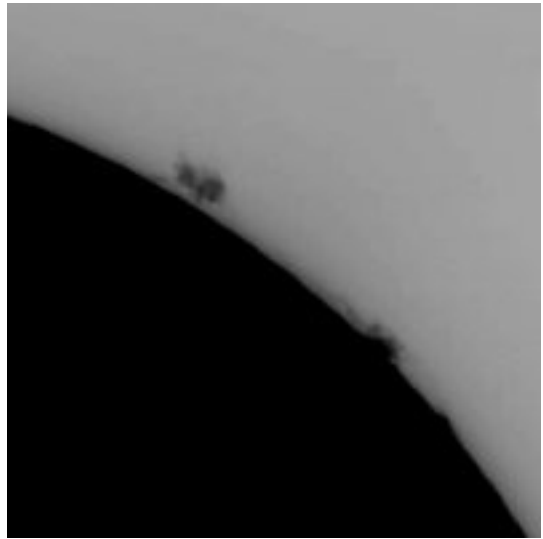
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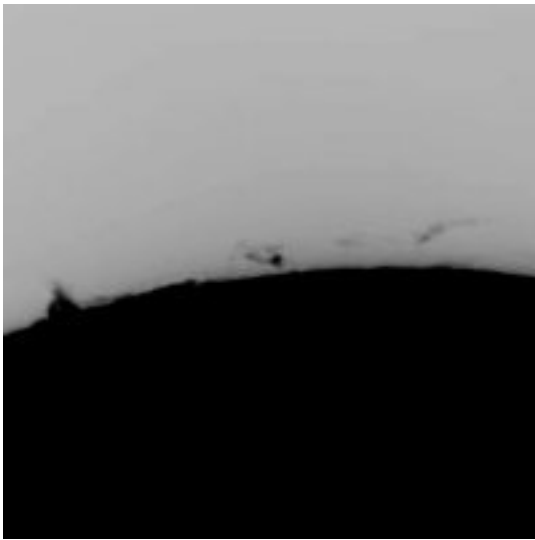
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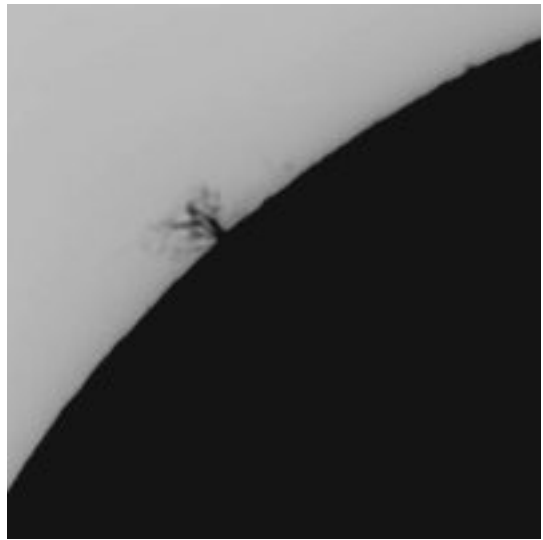
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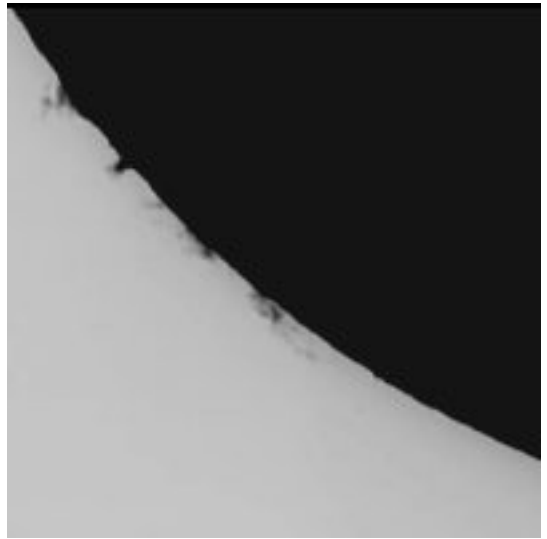
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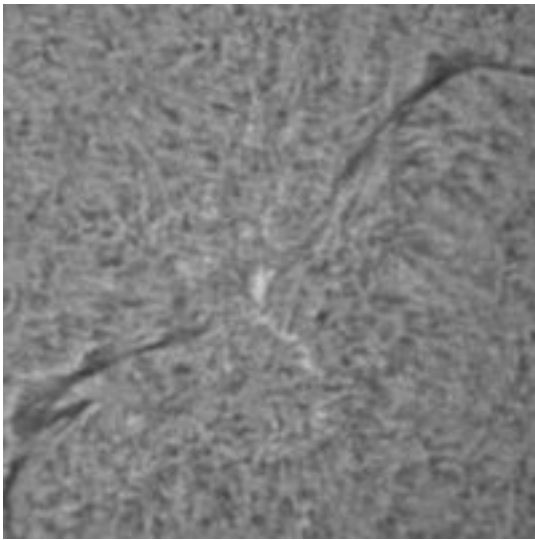
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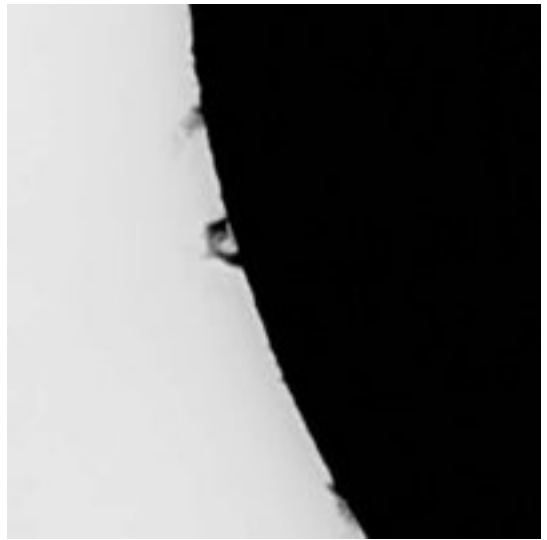
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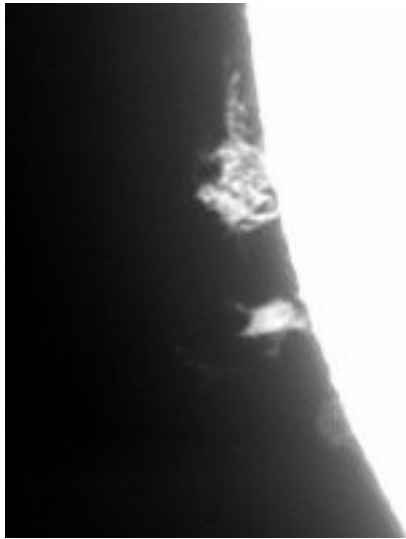
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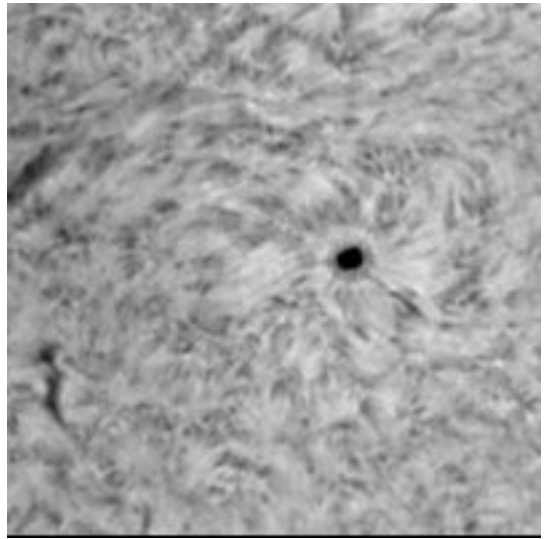
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29/08/2010
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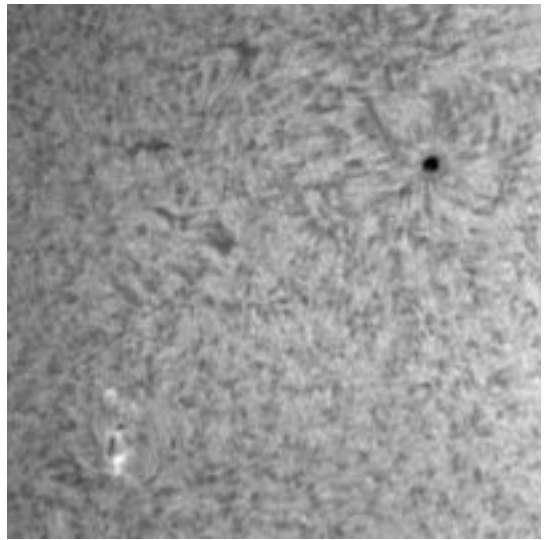
28/08/2010
(Gianfranco Meregalli)



22/08/2010
(Gianfranco Meregalli)



29/08/2010
(Fabio Mariuzza)



29/08/2010
(Fabio Mariuzza)

Fabio Mariuzza

Si ringrazia specialmente a Gianfranco Meregalli.

Circolo AStrofilo Talmassons (CAST) www.castfvg.it

Maggiori informazione: www.friulinelweb.it/sole.htm