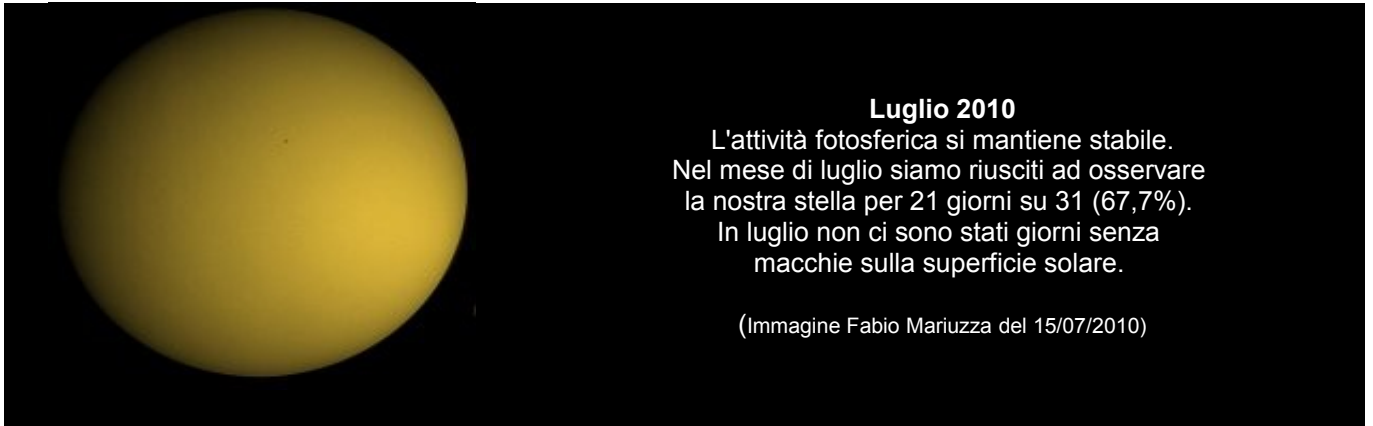


RAPPORTO ATTIVITA' SOLARE

LUGLIO 2010



Il mese di luglio è stato un mese nel quale il numero di Wolf si è mantenuto quasi invariato rispetto a giugno, ma in leggera salita. I prossimi grafici di Wolf mostreranno un sali e scendi continuo, con la tendenza complessiva che sarà chiaramente in salita. Il valore medio raggiunto è di 18,10.

Nel mese sono stati presenti nove gruppi, due in meno rispetto a giugno: questi gruppi sono stati registrati con i numeri NOAA 11084-85-86-87-88-89-90-91-92.

Non ci sono stati giorni con il numero di Wolf pari a zero, come accadde già a Febbraio, solo che adesso pare che l'attività sia più stabile. Le nostre osservazioni registrano un'attività fotosferica e cromosferica medio-bassa.

Per inquadrare meglio quale sia stata l'attività della nostra stella osservate le fotografie proposte più sotto.

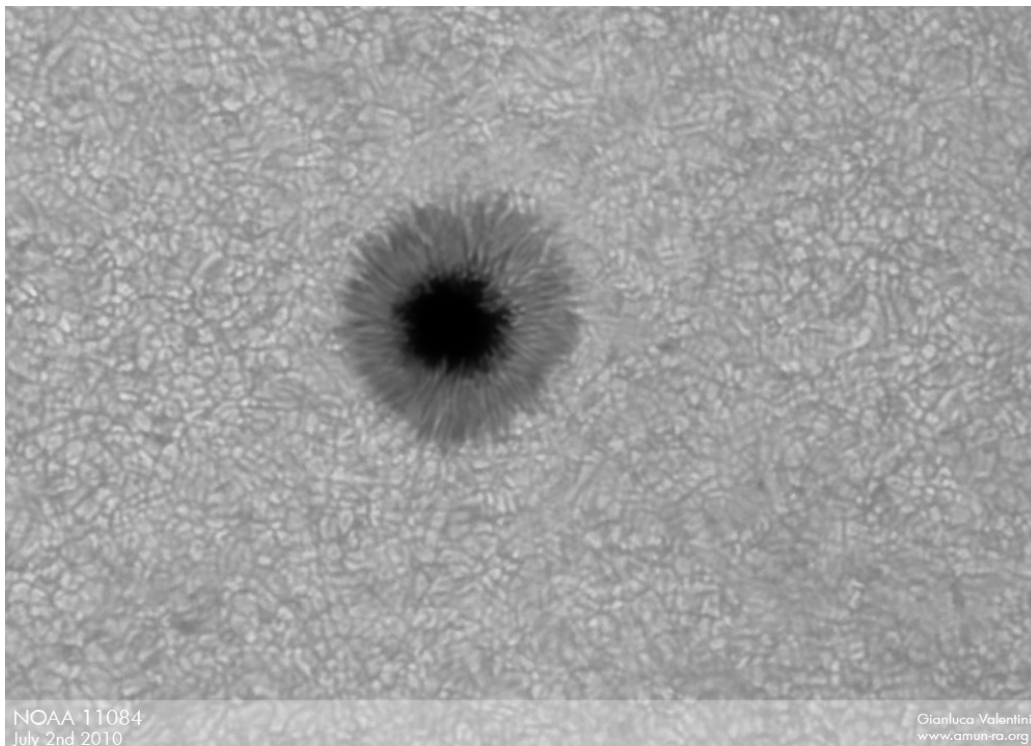


Immagine in HR di Gianluca Valentini: NOAA 11084 il 02/07/2010 (Grazie Gianluca)

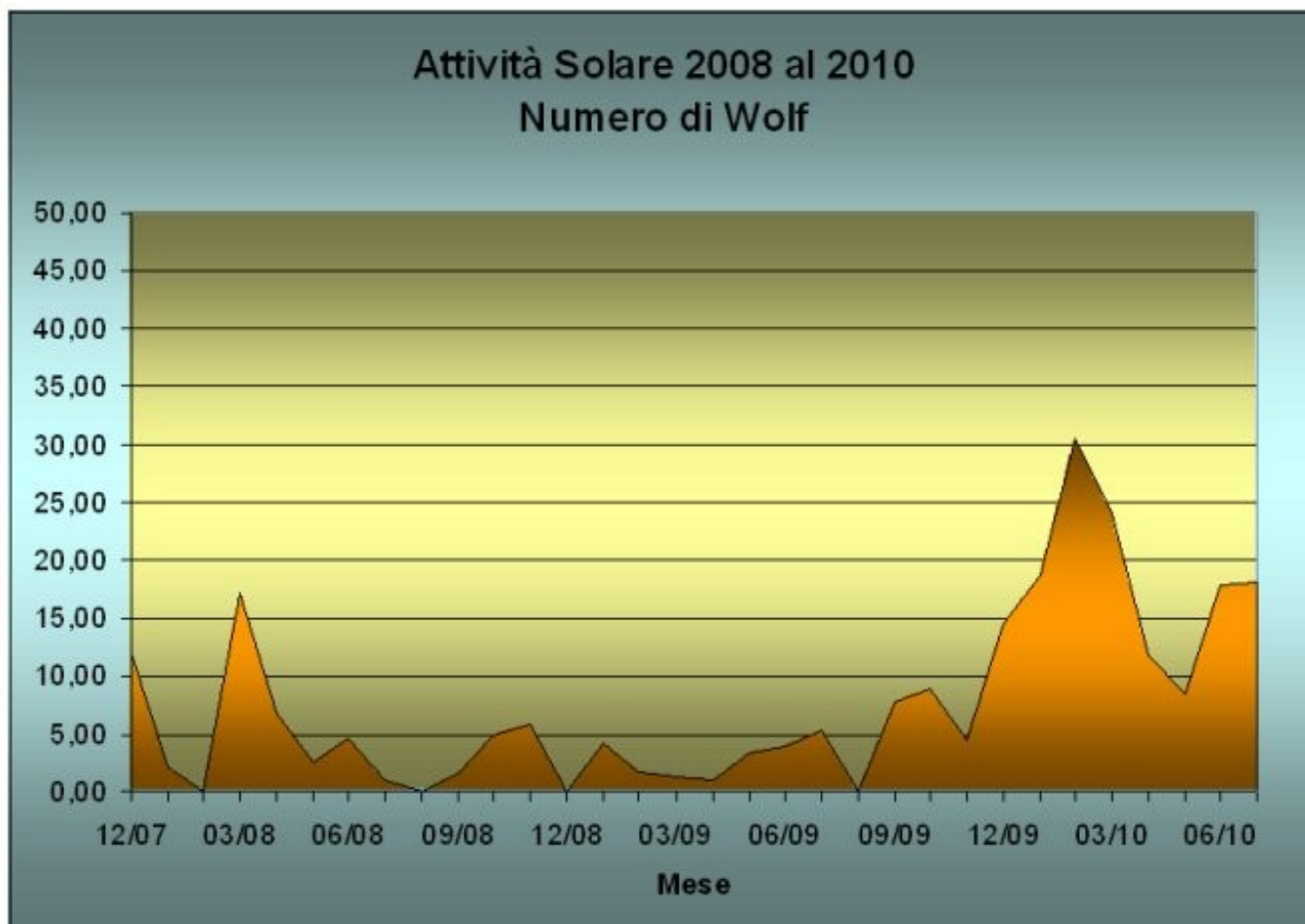
TABELLA DI OSSERVAZIONE MENSILE IN LUCE VISIBILE

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
592	01/07/10	18.30	16.30	2098	31,48	2455379,2	-2,45	2,92	155,04	23°30'	4/5	1	1	11
593	02/07/10	17.30	15.30	2098	31,47	2455380,1	-2,01	3,03	142,35	33°52'	3/5	1	1	11
594	03/07/10	7.45	5.45	2098	31,47	2455380,7	-1,74	3,09	134,50	21°46'	5/5	1	1	11
595	04/07/10	8.05	6.05	2098	31,47	2455381,8	-1,28	3,20	121,08	25°06'	5/5	1	1	11
596	05/07/10	17.25	15.25	2098	31,47	2455383,1	-0,65	3,35	102,70	34°40'	5/5	2	4	24
	06/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
597	07/07/10	19.15	17.15	2098	31,47	2455385,2	0,29	3,57	75,22	15°42'	5/5	1	1	11
598	08/07/10	17.30	15.30	2098	31,48	2455386,1	0,71	3,67	62,95	33°41'	4/5	1	1	11
599	09/07/10	17.30	15.30	2098	31,48	2455387,1	1,16	3,77	49,72	33°38'	4/5	1	1	11
600	10/07/10	7.30	5.30	2098	31,48	2455387,7	1,43	3,83	42,00	18°31'	5/5	1	6	16
601	11/07/10	7.20	5.20	2098	31,48	2455388,7	1,87	3,93	28,86	16°43'	5/5	1	12	22
602	12/07/10	17.40	15.40	2098	31,48	2455390,2	2,52	4,08	9,93	31°42'	3/5	2	7	27
603	13/07/10	17.30	15.30	2099	31,48	2455391,1	2,96	4,18	356,79	33°22'	4/5	2	6	26
604	14/07/10	17.45	15.45	2099	31,48	2455392,2	3,41	4,28	343,42	30°41'	5/5	1	4	14
605	15/07/10	17.30	15.30	2099	31,48	2455393,1	3,85	4,37	330,33	33°12'	5/5	1	5	15
606	16/07/10	17.30	15.30	2099	31,48	2455394,1	4,29	4,47	317,10	33°07'	5/5	1	2	12
607	17/07/10	7.35	5.35	2099	31,48	2455394,7	4,55	4,52	309,33	18°31'	4/5	1	2	12
	18/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	19/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	20/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	21/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	22/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	23/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
608	24/07/10	9.00	7.00	2099	31,50	2455401,8	7,60	5,16	215,95	32°14'	4/5	2	20	40
609	25/07/10	7.40	5.40	2099	31,50	2455402,7	8,00	5,24	203,55	16°32'	4/5	2	10	30
610	26/07/10	17.30	15.30	2099	31,50	2455404,1	8,59	5,35	184,81	31°53'	3/5	2	8	28
611	27/07/10	18.35	16.35	2099	31,52	2455405,2	9,02	5,44	170,99	20°27'	4/5	1	3	13
	28/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	29/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
	30/07/10	-	-	-	-	-	-	-	-	-	-	-	-	-
612	31/07/10	7.55	5.55	2099	31,52	2455408,7	10,47	5,71	123,96	19°53'	5/5	2	4	24
Media												1,3	4,8	18,10

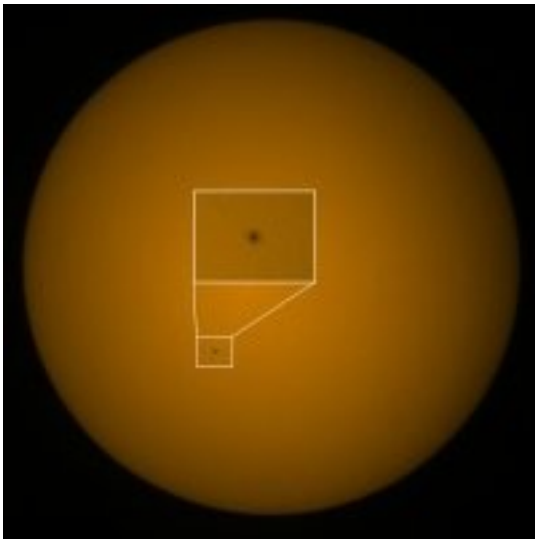
TABELLA DEL NUMERO DI WOLF DELLE NOSTRE OSSERVAZIONI

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	17,90
Luglio	-	0,96	5,22	18,10
Agosto	-	0,00	0,00	
Settembre	-	1,65	7,88	
Ottobre	-	5,00	8,85	
Novembre	-	5,93	4,44	
Dicembre	12,00	0,00	14,46	

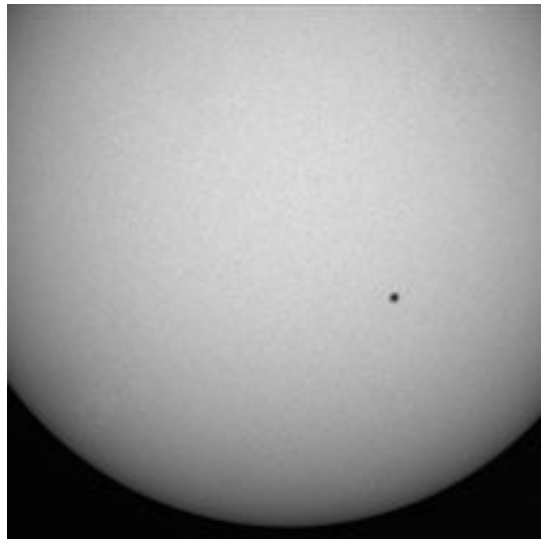
GRAFICO DEL NUMERO DI WOLF DELLE NOSTRE OSSERVAZIONI



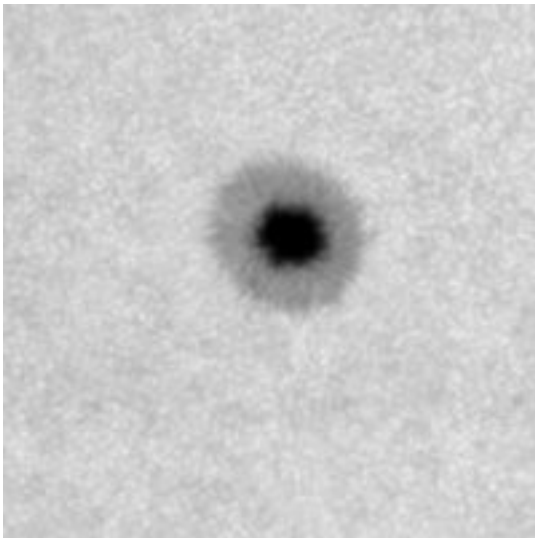
Alcune fotografie dei gruppi presenti nel mese di luglio



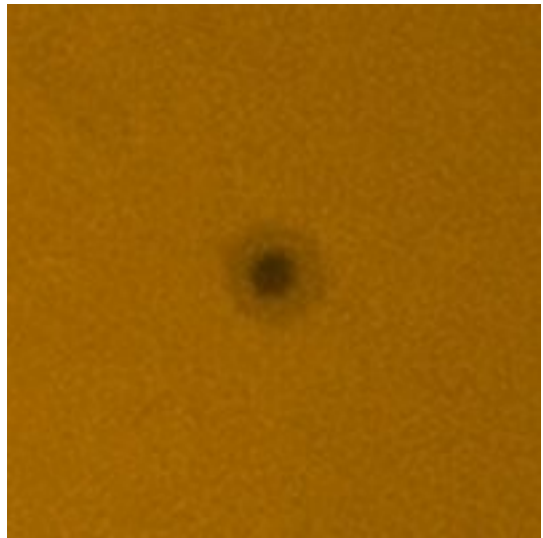
01/07/2010
(Fabio Mariuzza)



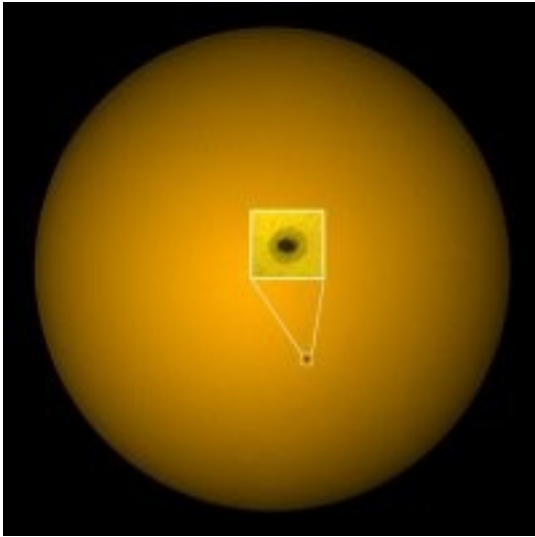
01/07/2010
(Gianfranco Meregalli)



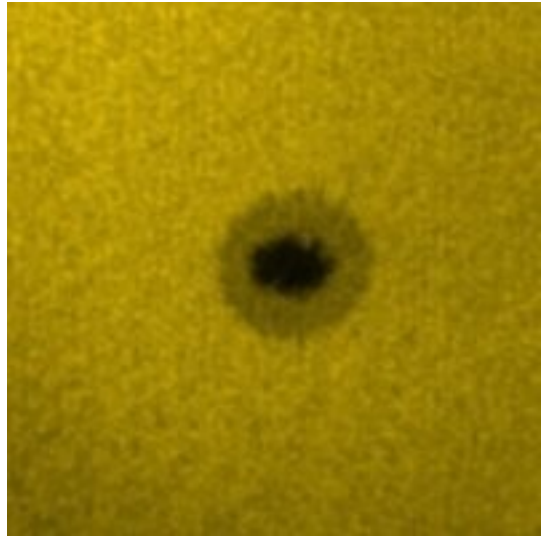
01/07/2010
(Maurizio Locatelli)



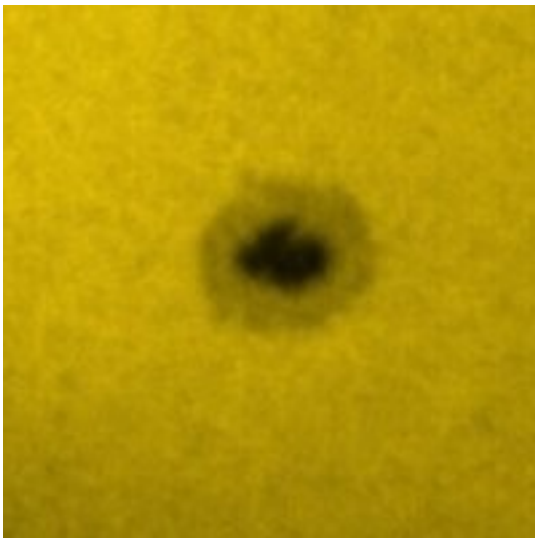
02/07/2010
(Fabio Mariuzza)



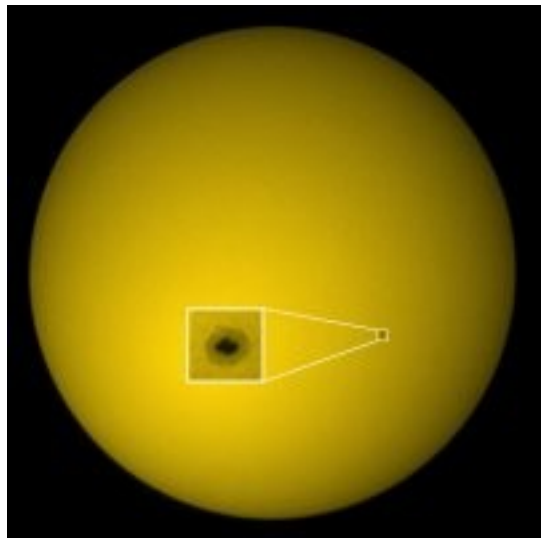
03/07/2010
(Fabio Mariuzza)



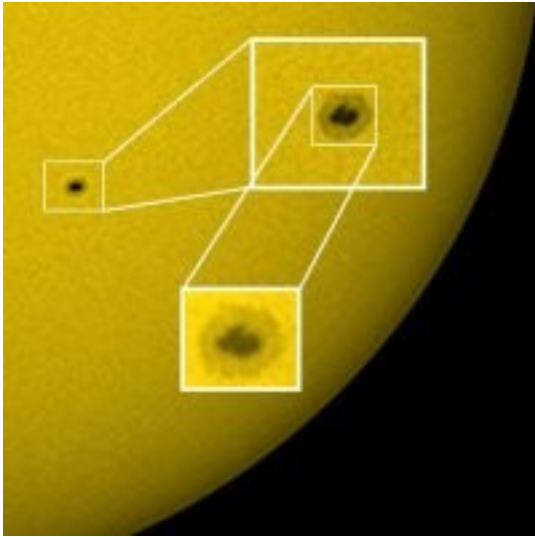
03/07/2010
(Fabio Mariuzza)



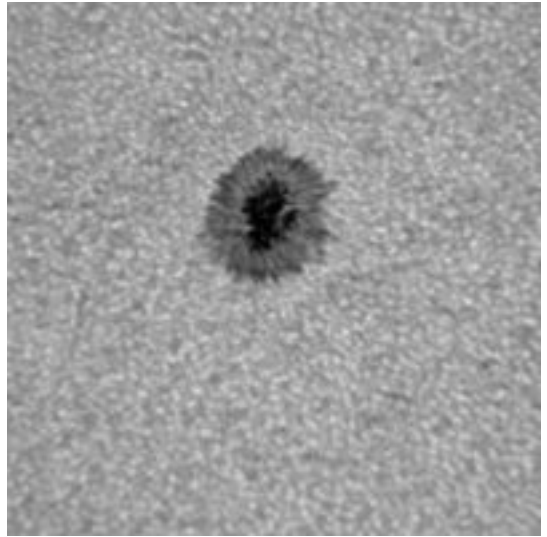
04/07/201
(Fabio Mariuzza)



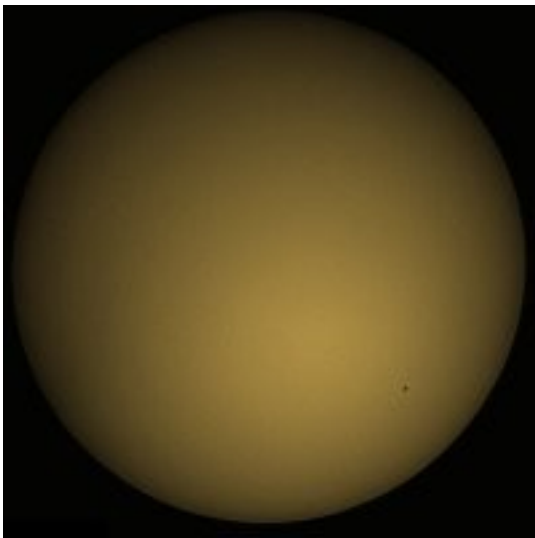
04/07/2010
(Fabio Mariuzza)



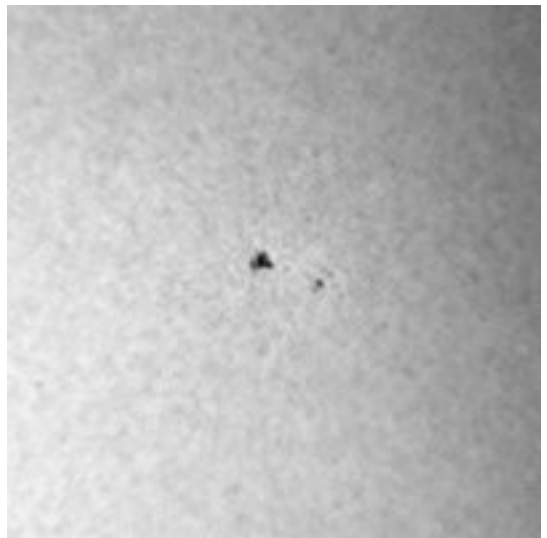
04/07/2010
(Fabio Mariuzza)



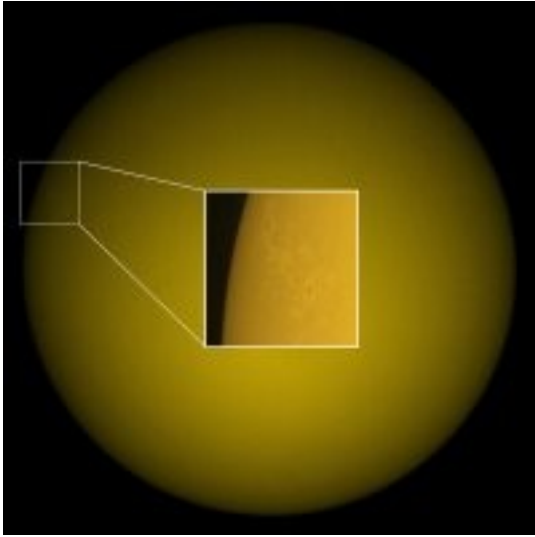
04/07/2010
(Fulvio Mete)



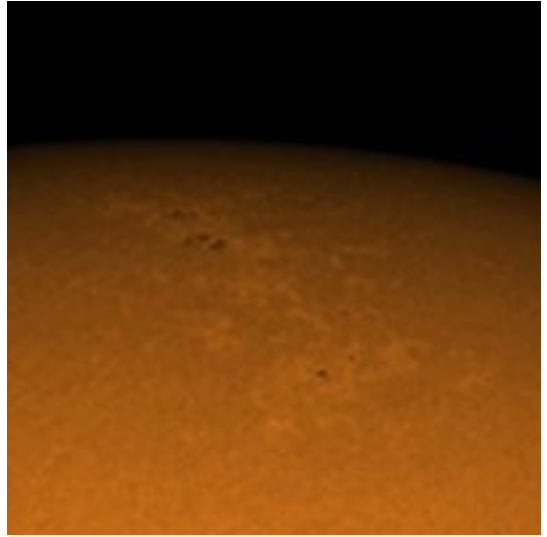
05/07/2010
(Fabio Mariuzza)



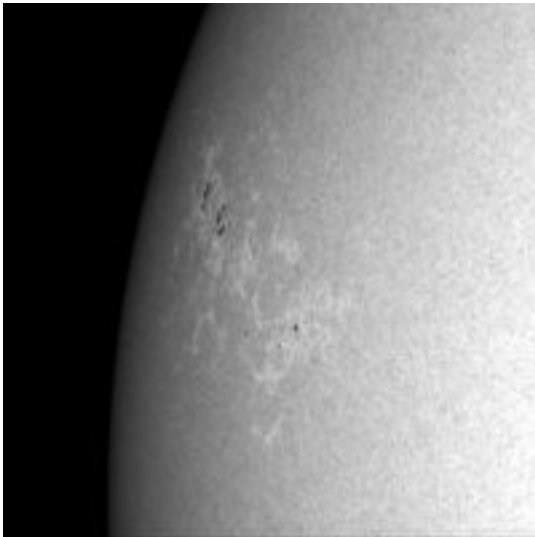
05/07/2010
(Gianfranco Meregalli)



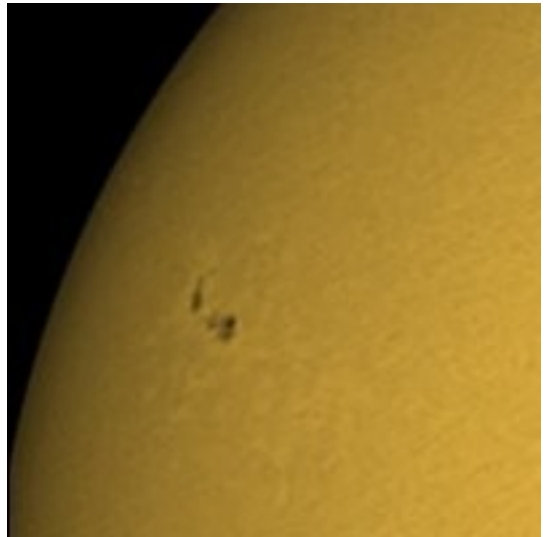
10/07/2010
(Fabio Mariuzza)



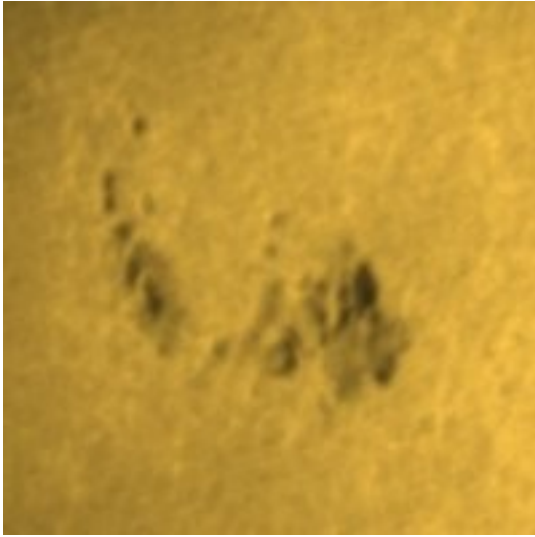
10/07/2010
(Fabio Mariuzza)



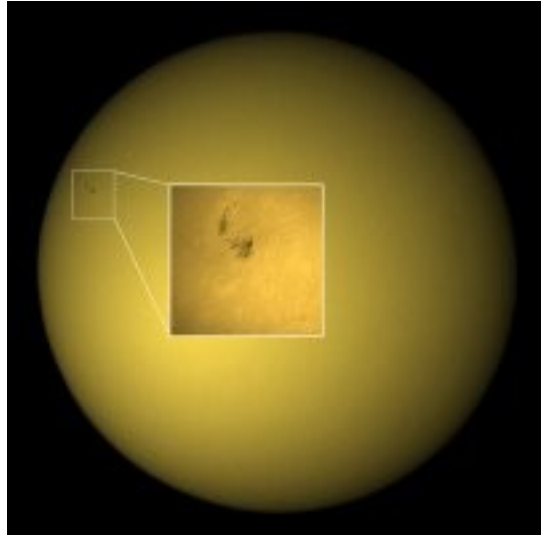
10/07/2010
(Gianfranco Meregalli)



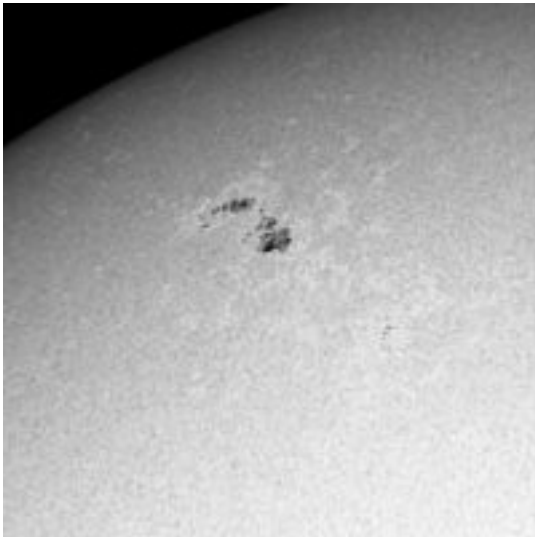
11/07/2010
(Fabio Mariuzza)



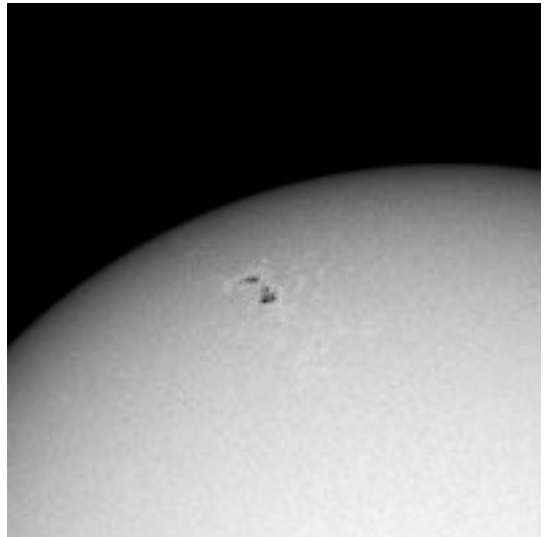
11/07/2010
(Fabio Mariuzza)



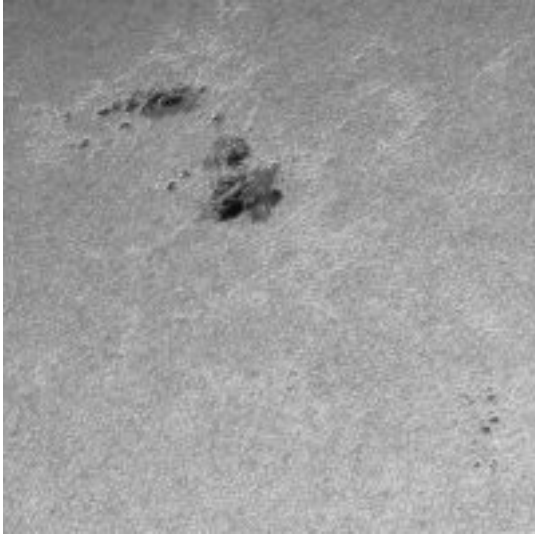
11/07/2010
(Fabio Mariuzza)



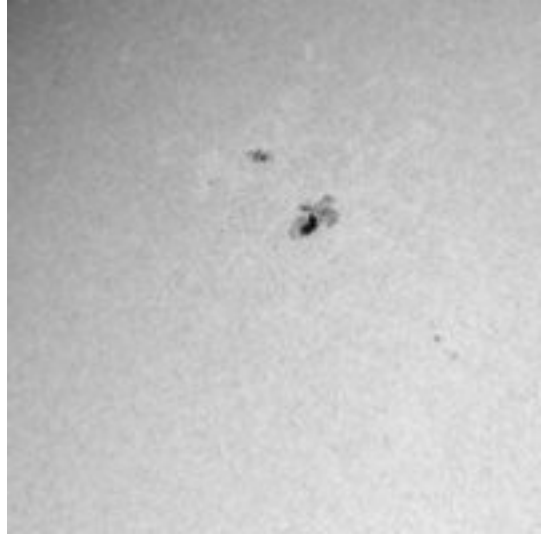
11/07/2010
(Gianfranco Meregalli)



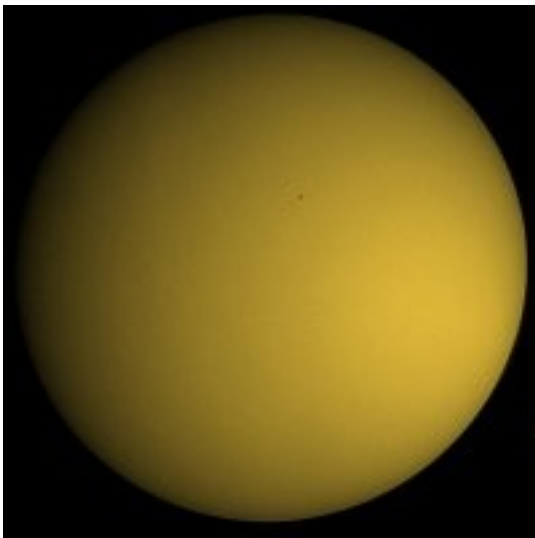
11/07/2010
(Gianfranco Meregalli)



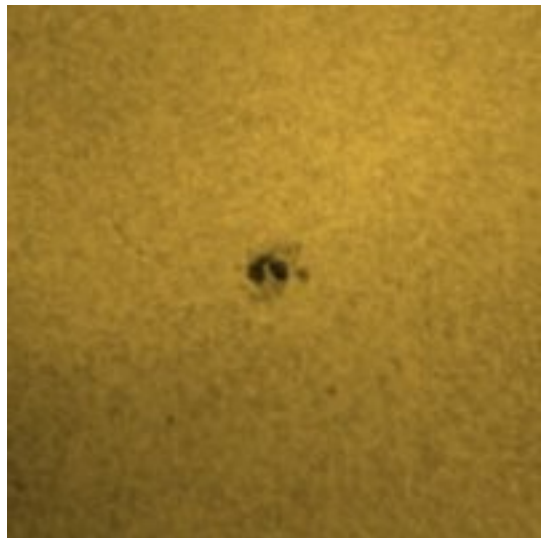
11/07/2010
(Gianluca Valentini)



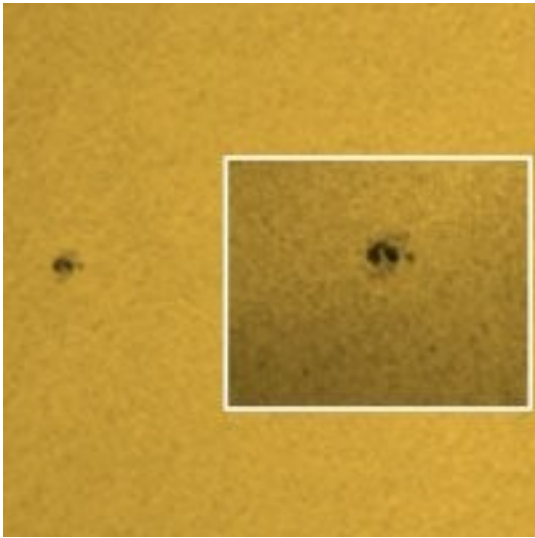
12/07/2010
(Gianfranco Meregalli)



15/07/2010
(Fabio Mariuzza)



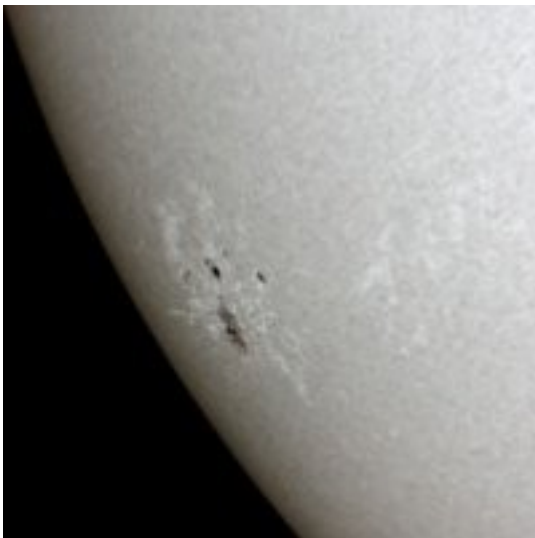
17/07/2010
(Fabio Mariuzza)



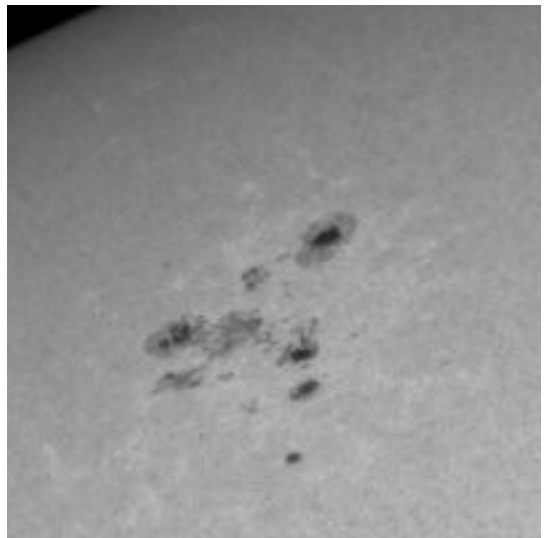
17/07/2010
(Fabio Mariuzza)



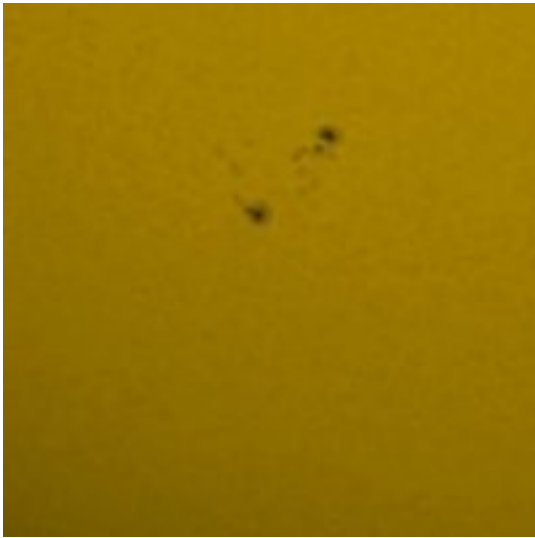
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(Gianfranco Meregalli)



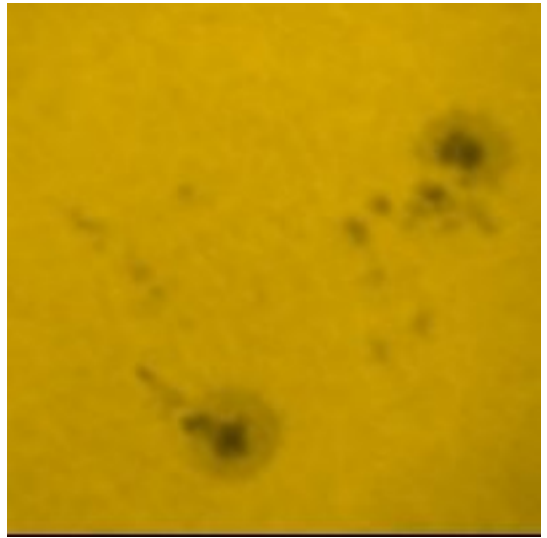
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(Gianfranco Meregalli)



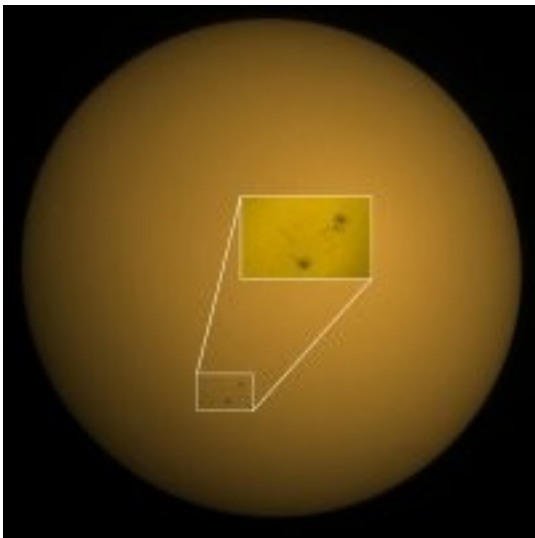
21/07/2010
(Maurizio Locatelli)



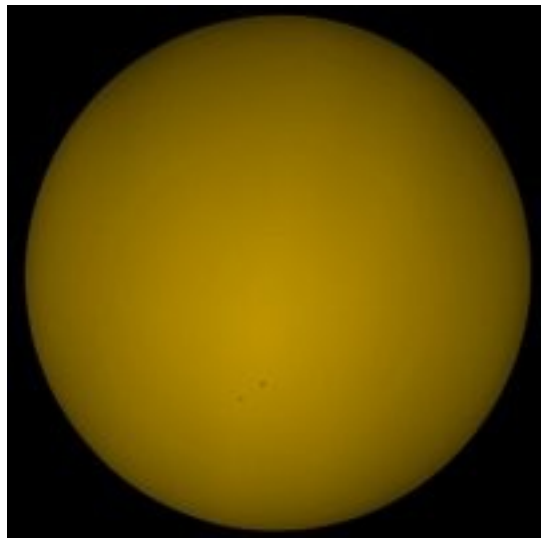
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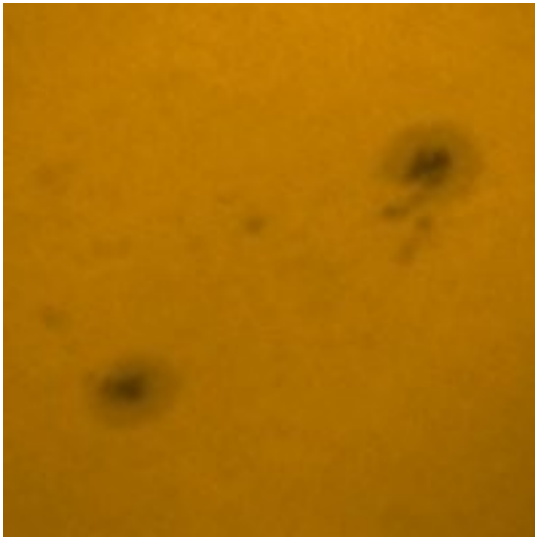
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(Fabio Mariuzza)



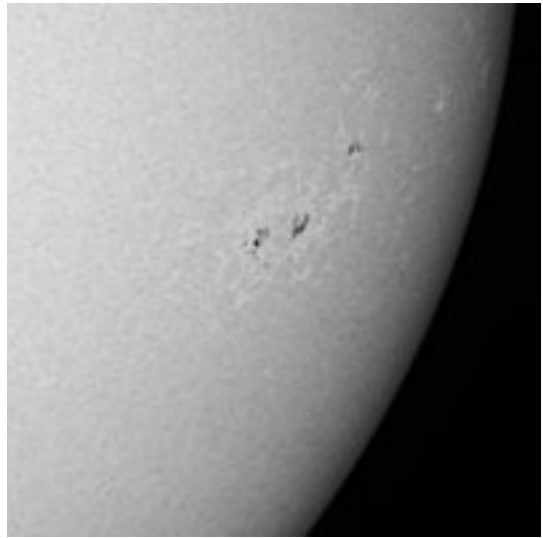
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(Fabio Mariuzza)



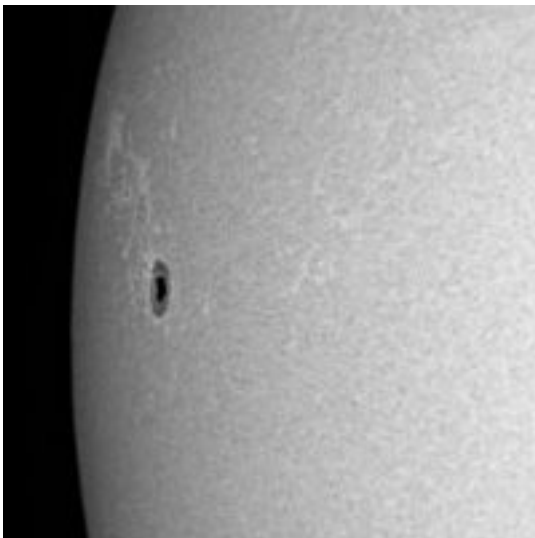
25/07/2010
(Fabio Mariuzza)



25/07/2010
(Fabio Mariuzza)



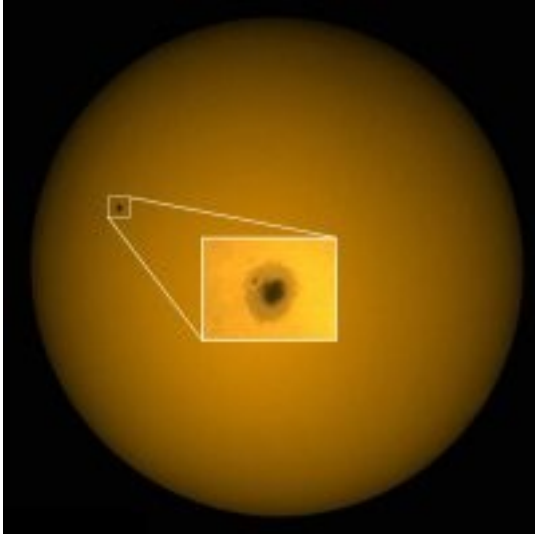
29/07/2010
(Gianfranco Meregalli)



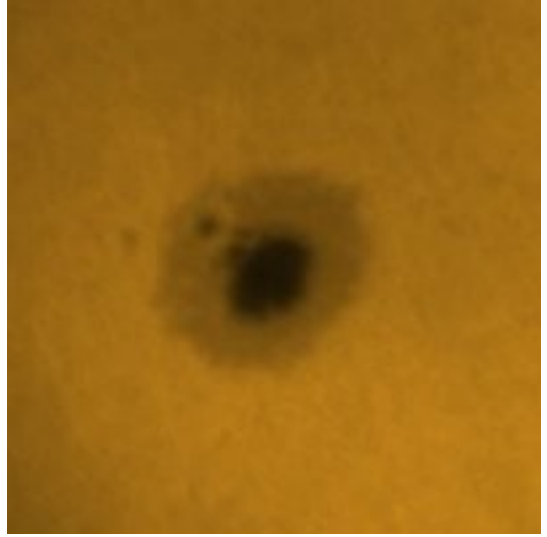
29/07/2010
(Gianfranco Meregalli)



31/07/2010
(Fabio Mariuzza)



31/07/2010
(Fabio Mariuzza)



31/07/2010
(Fabio Mariuzza)

OSSERVAZIONE MENSILE IN LUCE H-alfa (6563Å)

Nel mese di luglio il numero delle protuberanze al lembo è salito al valore di 58,0. Questo ci fa capire che l'attività solare nei prossimi mesi aumenterà sicuramente.

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

Come potete vedere nelle immagini presentate in queste pagine, ci sono state diverse protuberanze di piccola dimensione.

Nel mese di luglio si sono visti 30 flare (10 in più rispetto a giugno), di media intensità, arrivando al tipo C3,6

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

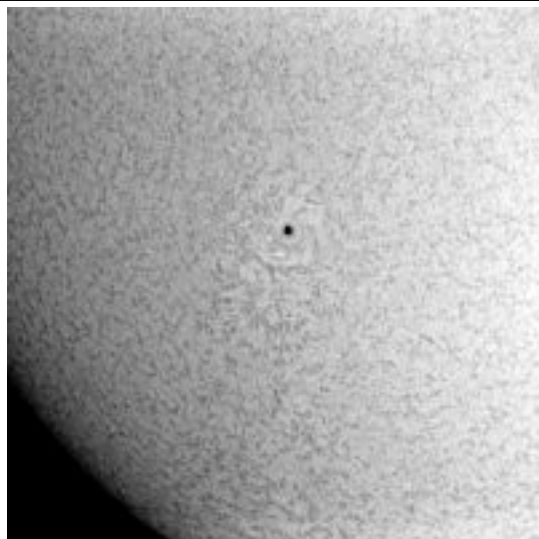
TABELLA DI OSSERVAZIONE MENSILE IN H-alfa

giorno	HHMM TU	Seeing Q	Trasp. Atm W	OSSERV. EMISFERICA				OSSERV. GLOBALE		RIEPILOGO FINALE			
				nord		sud							
				H	e	H	e	H	e	H tot	Rp N	Rp S	Rp tot
1	1640	4	2	3	4	4	6	7	10	7	34	46	80
2	1530	3	3	3	4	0	0	3	4	3	34	0	34
3	545	5	1	1	2	2	4	3	6	3	12	24	36
4	605	5	1	2	3	2	3	4	6	4	23	23	46
5	1540	5	1	3	6	2	3	5	9	5	36	23	59
6													
7	1720	5	1	2	2	1	3	3	5	3	22	13	35
8	1540	4	2	2	4	2	3	4	7	4	24	23	47
9	1530	4	2	1	2	3	8	4	10	4	12	38	50
10	530	5	1	3	9	2	4	5	13	5	39	24	63
11	525	5	1	4	7	3	11	7	18	7	47	41	88
12	1545	3	3	2	5	3	5	5	10	5	25	35	60
13	1540	3	3	2	5	1	2	3	7	3	25	12	37
14	1600	5	1	2	7	2	4	4	11	4	27	24	51
15	1530	5	1	1	4	2	2	3	6	3	14	22	36
16	1540	5	1	2	4	3	4	5	8	5	24	34	58
17	535	4	2	2	5	4	8	6	13	6	25	48	73
18													
19													
20													
21													
22													
23													
24	710	4	2	5	5	3	4	8	9	8	55	34	89
25	540	5	1	3	8	2	6	5	14	5	38	26	64
26	1540	3	3	2	3	2	4	4	7	4	23	24	47
27	1640	4	2	4	6	4	5	8	11	8	46	45	91
28													
29													
30													
31	600	5	1	3	9	3	5	6	14	6	39	35	74
<i>medie >>>></i>				2	5	2	4	5	9	4,9	29,7	28,3	58,0

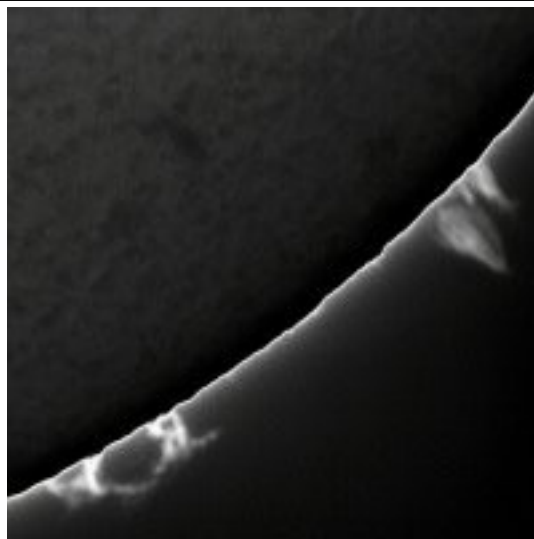
TABELLA DELLE PROTUBERANZE AL LEMBO

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
Agosto	39,3	
Settembre	36,8	
Ottobre	48,7	
Novembre	38,9	
Dicembre	38,9	

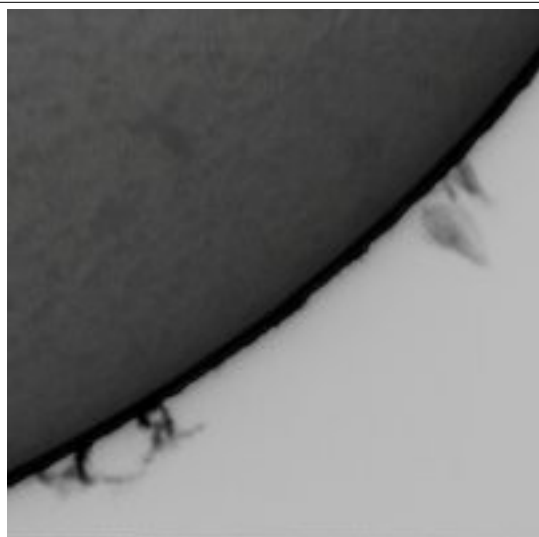
Alcune fotografie delle protuberanze più importanti del mese di luglio



01/07/2010
(Gianfranco Meregalli)



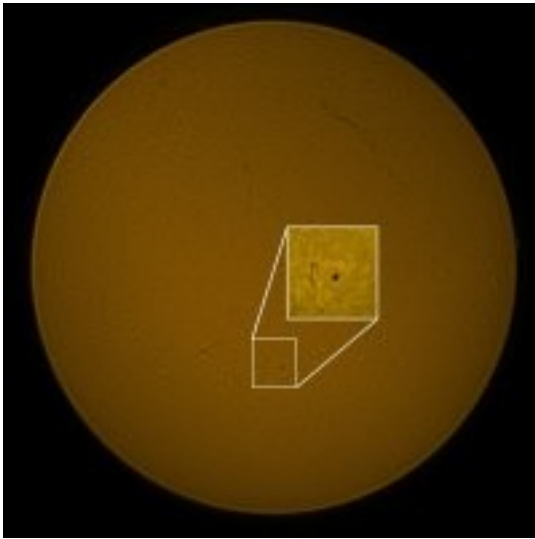
01/07/2010
(Gianfranco Meregalli)



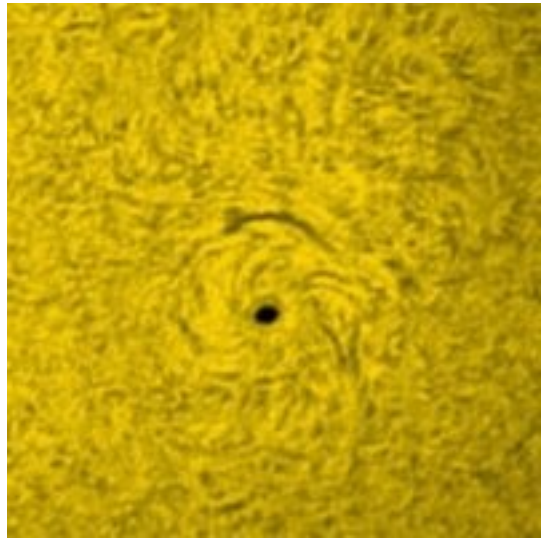
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(Gianfranco Meregalli)



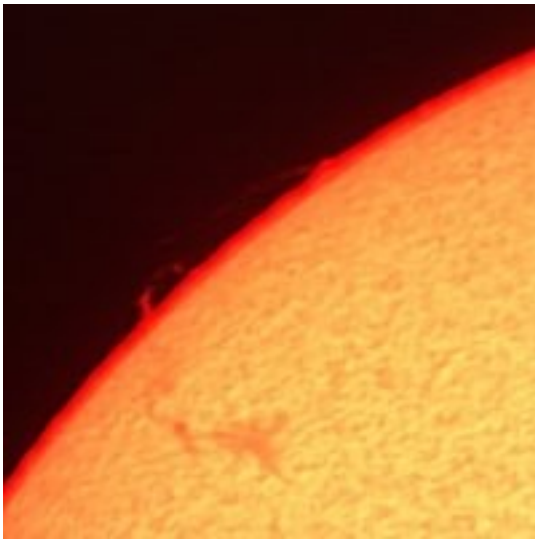
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(Gianfranco Meregalli)



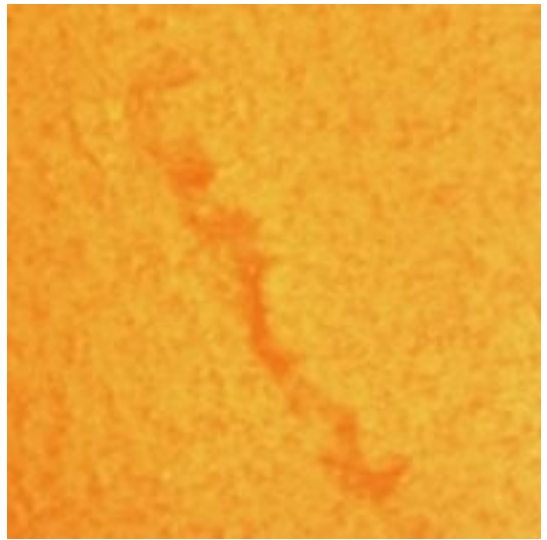
03/07/2010
(Fabio Mariuzza)



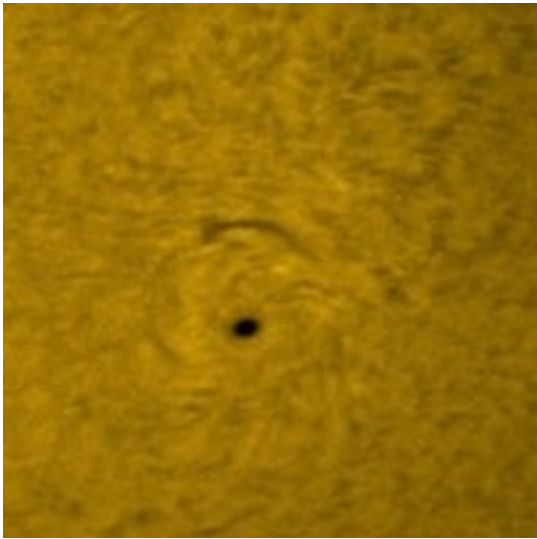
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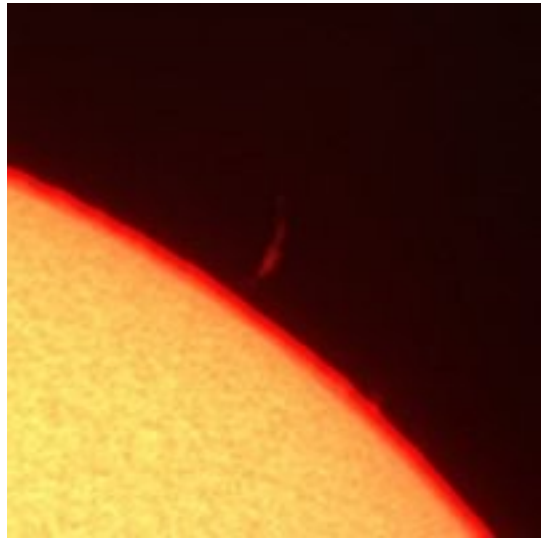
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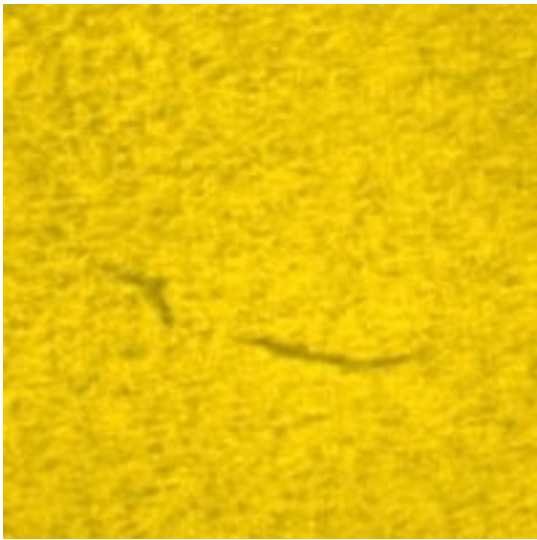
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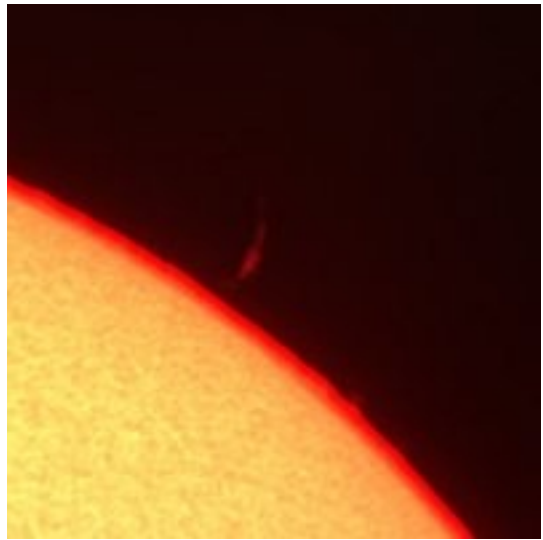
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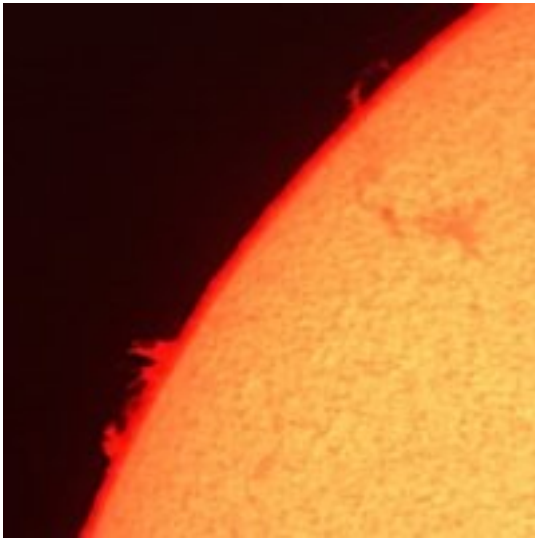
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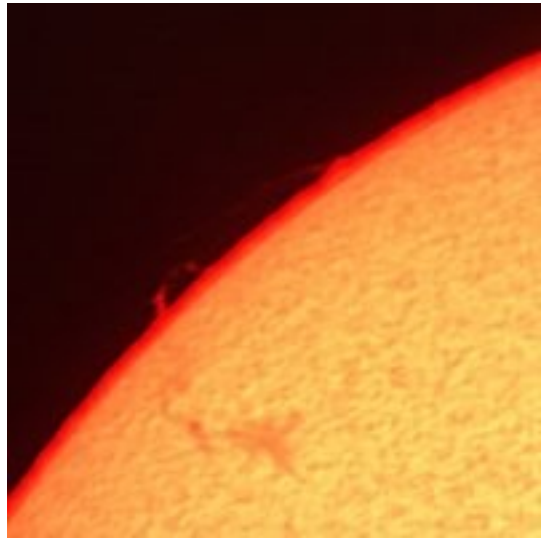
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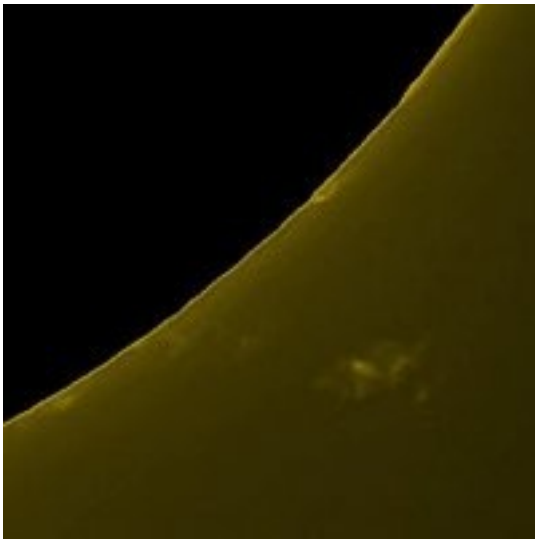
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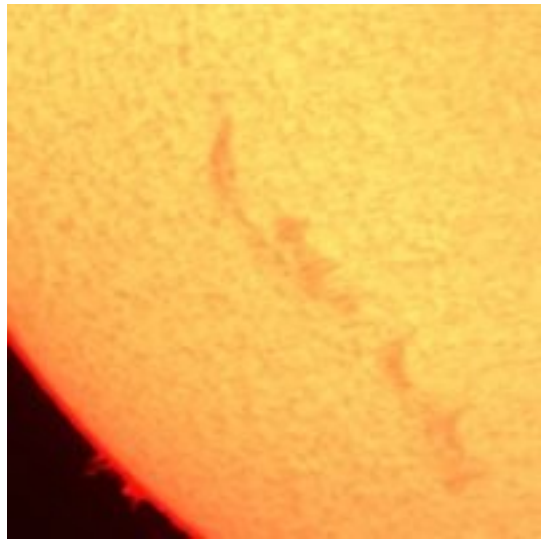
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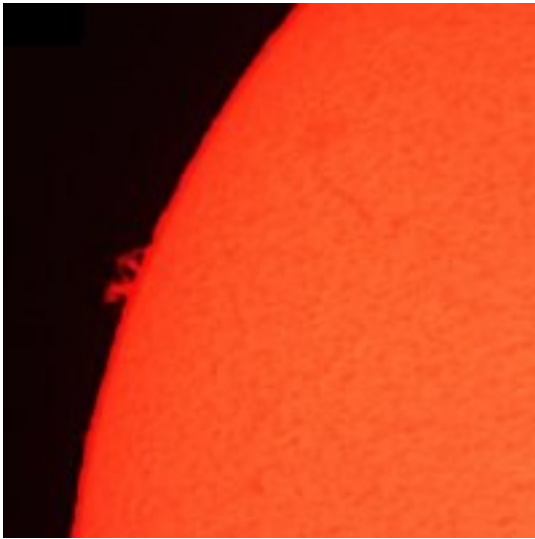
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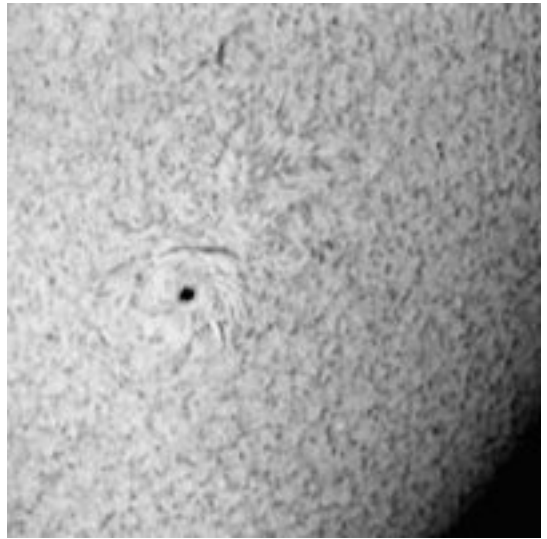
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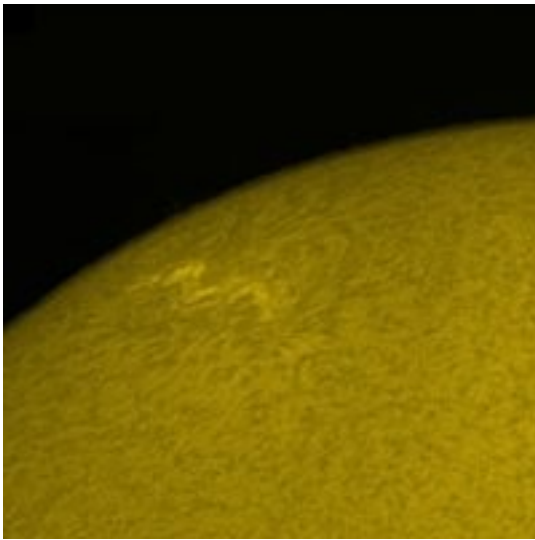
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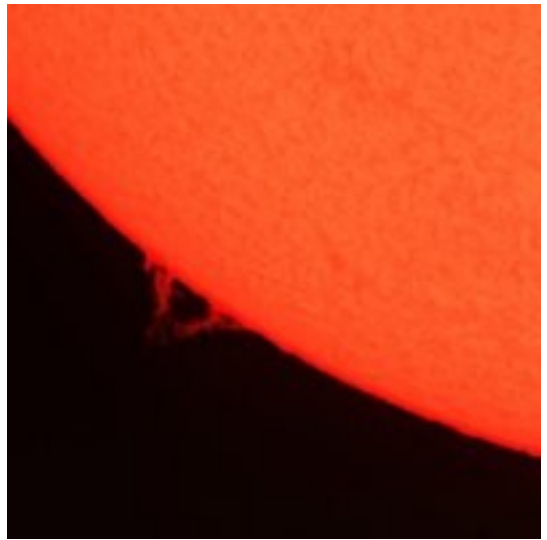
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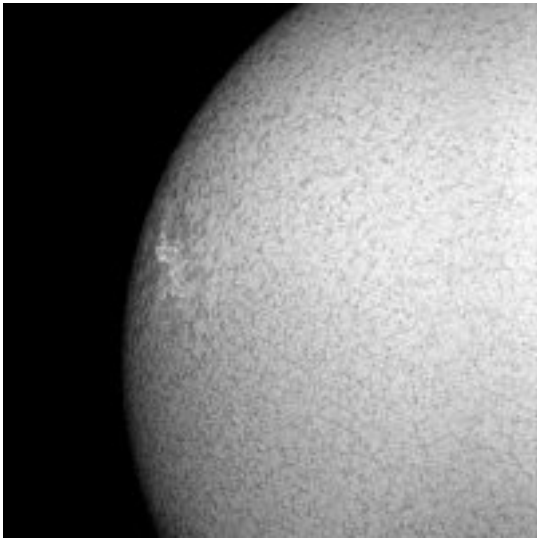
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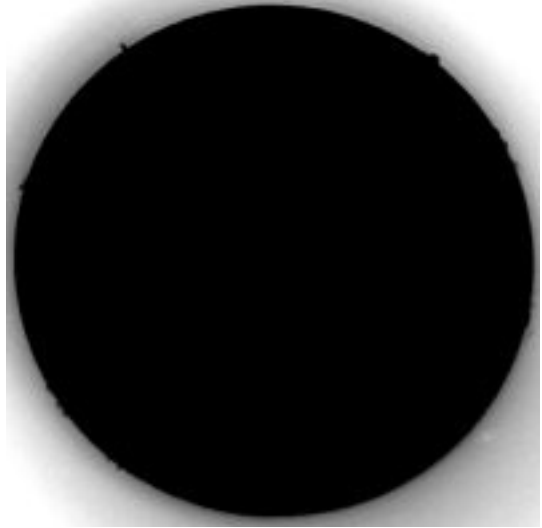
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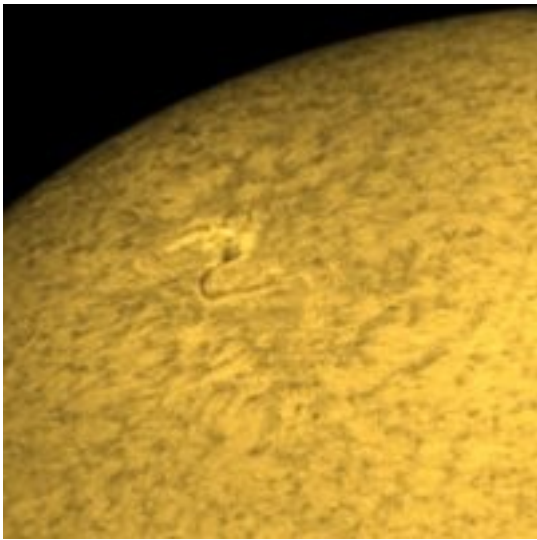
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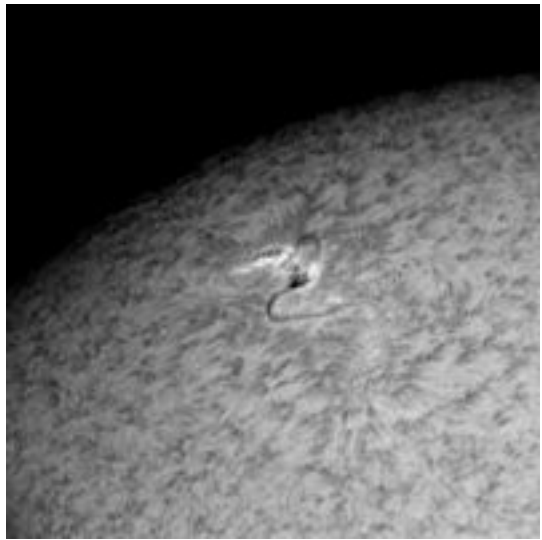
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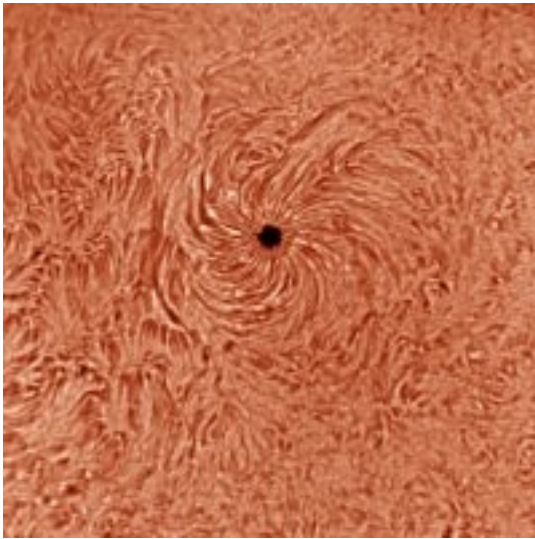
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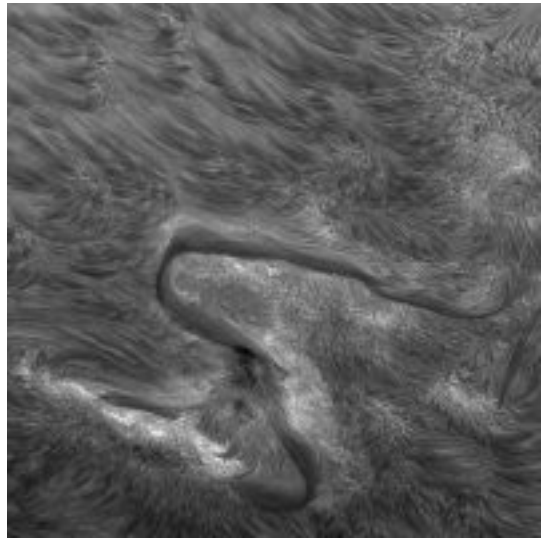
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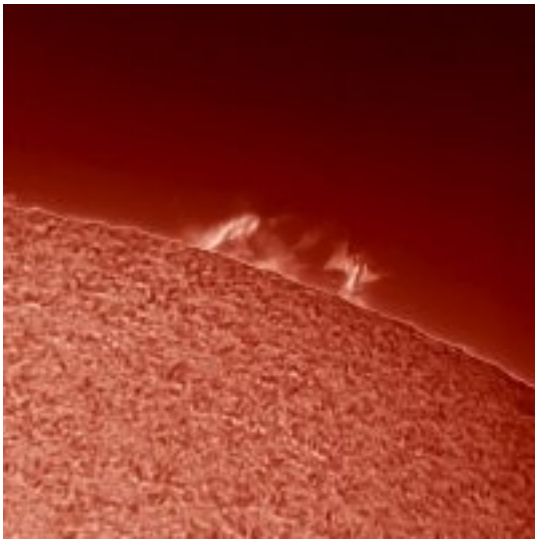
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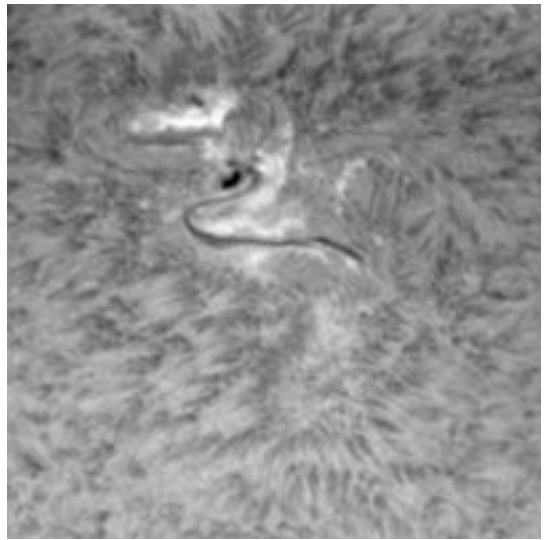
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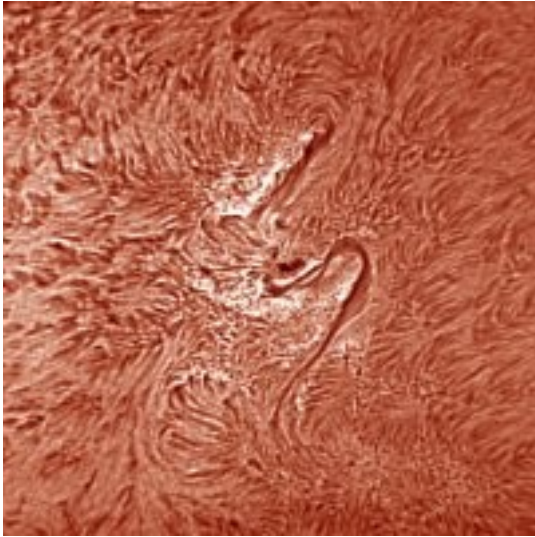
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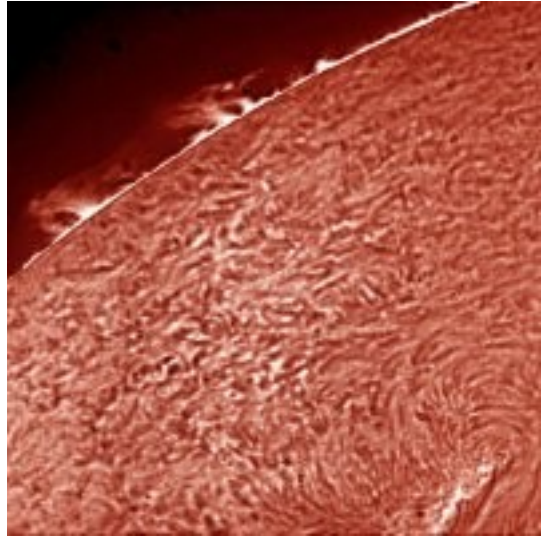
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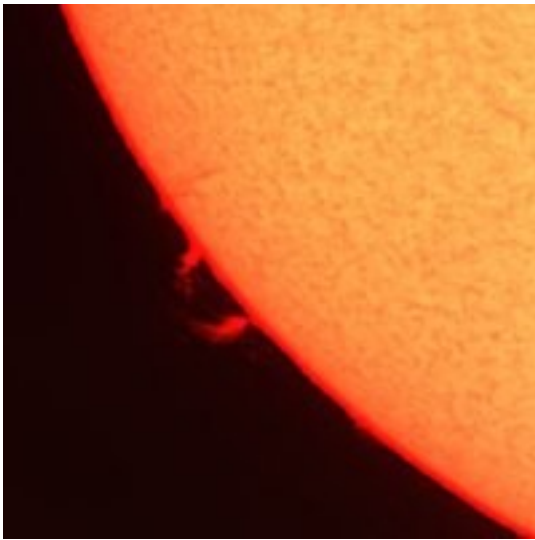
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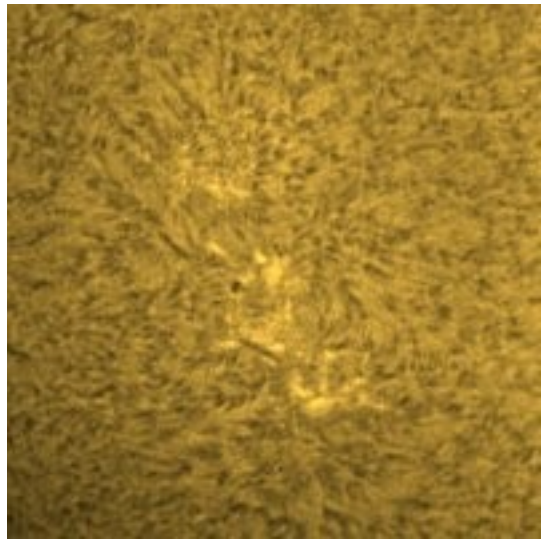
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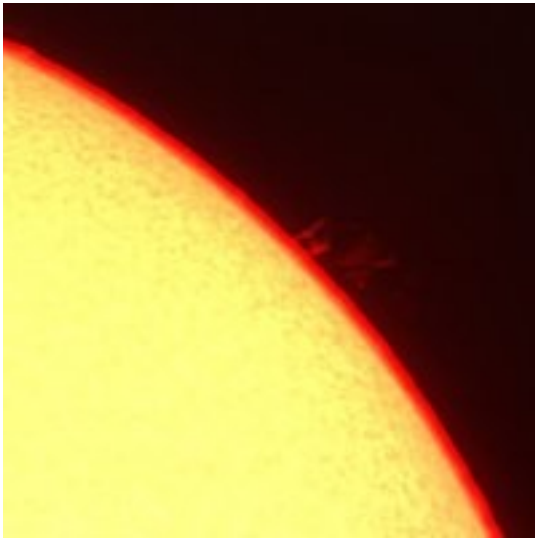
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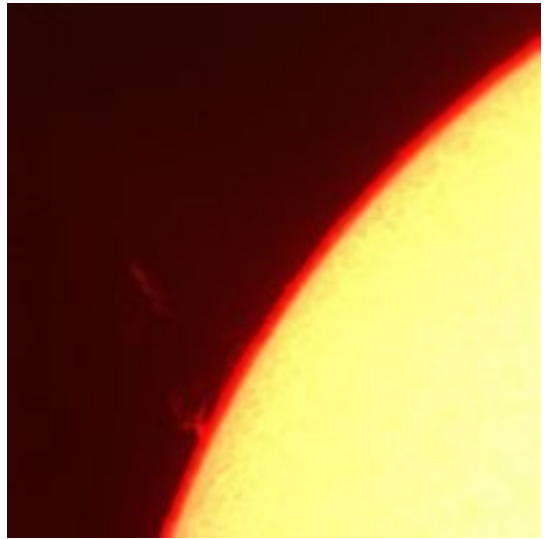
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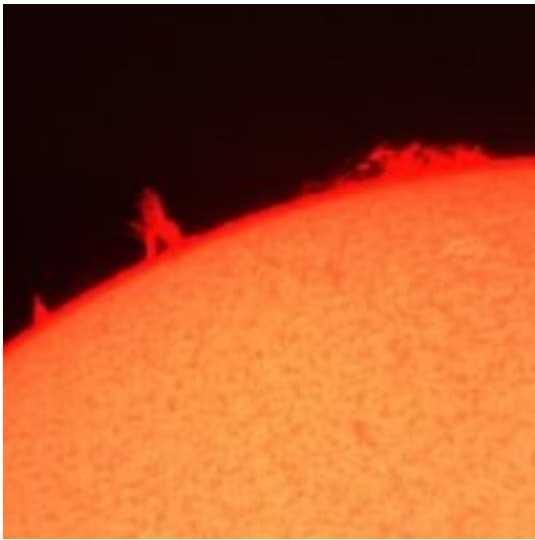
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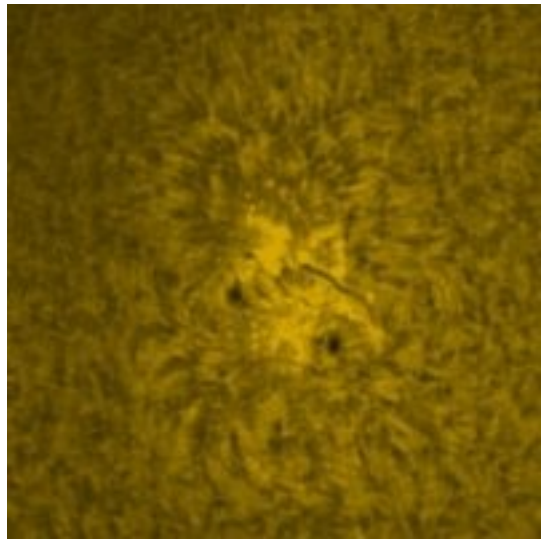
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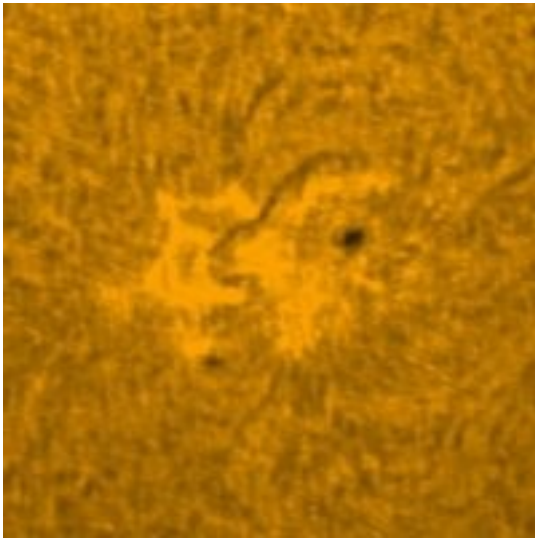
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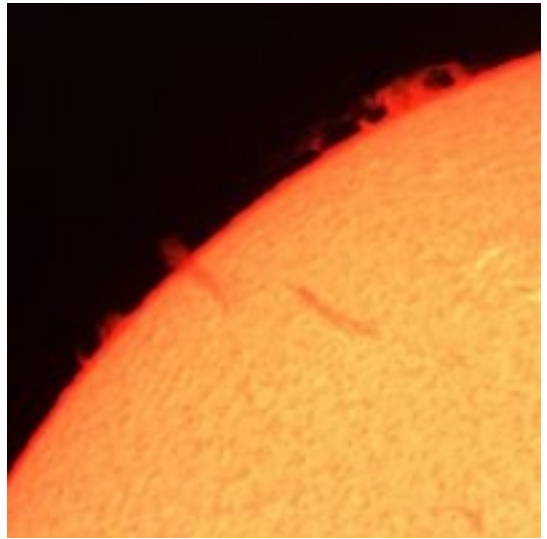
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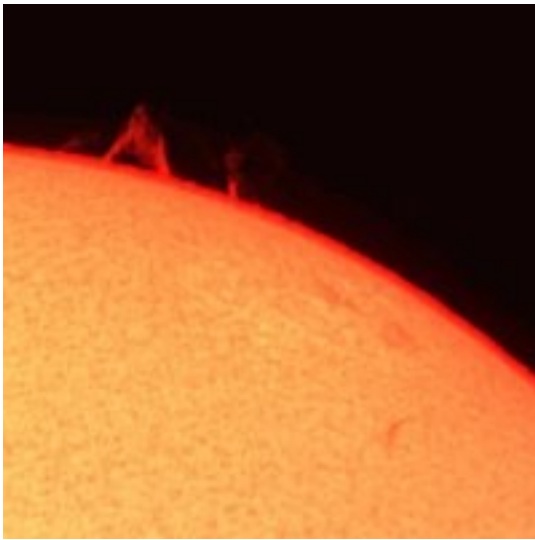
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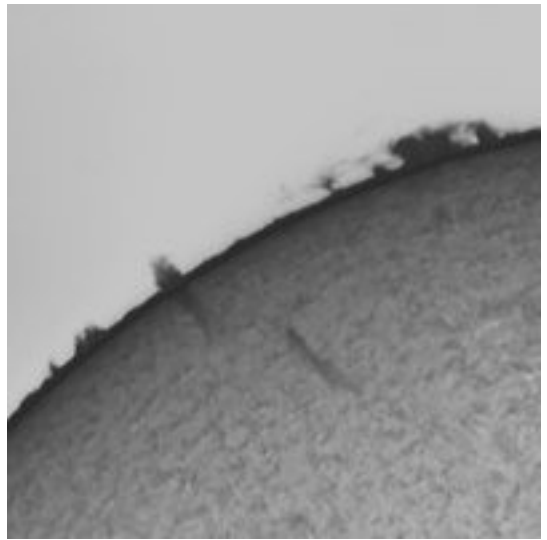
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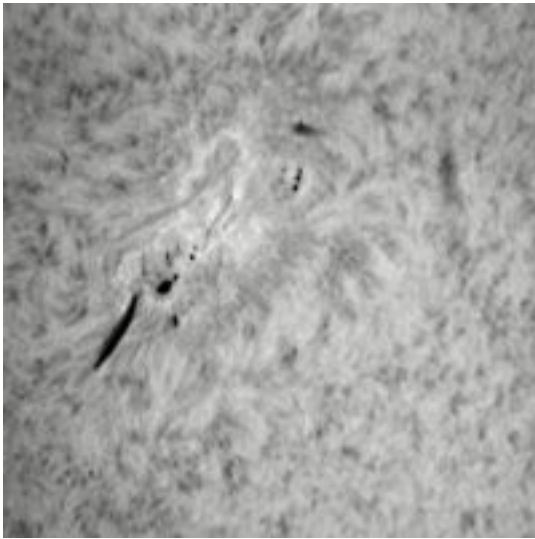
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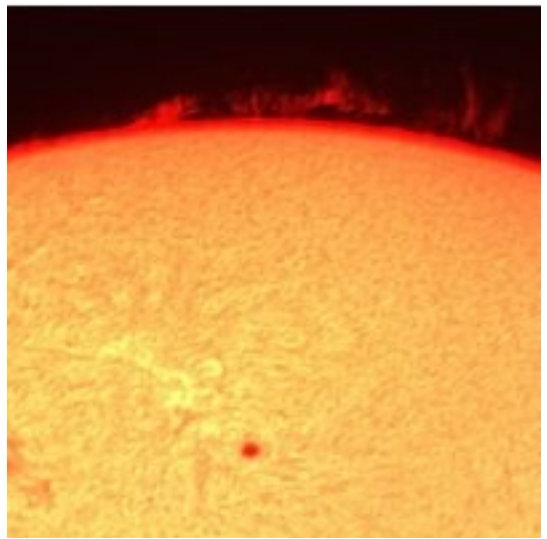
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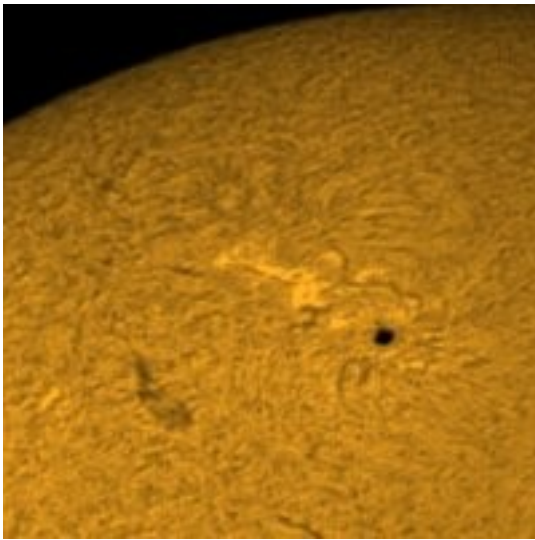
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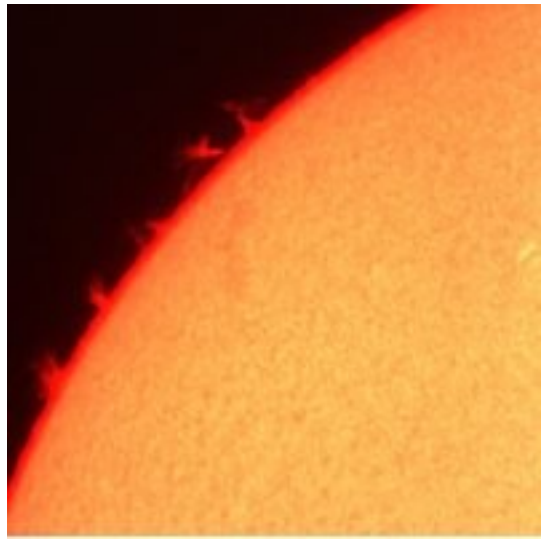
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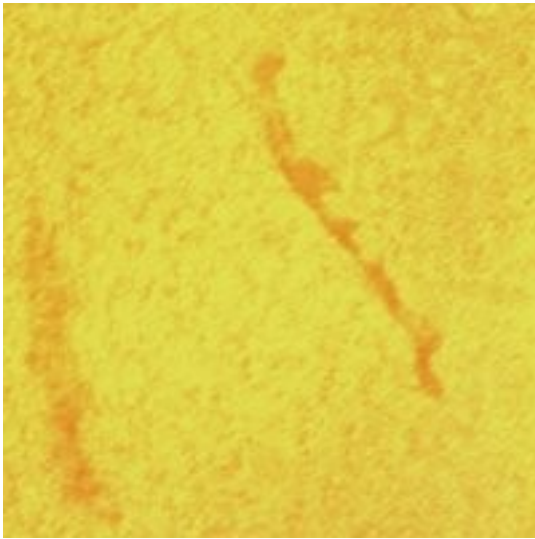
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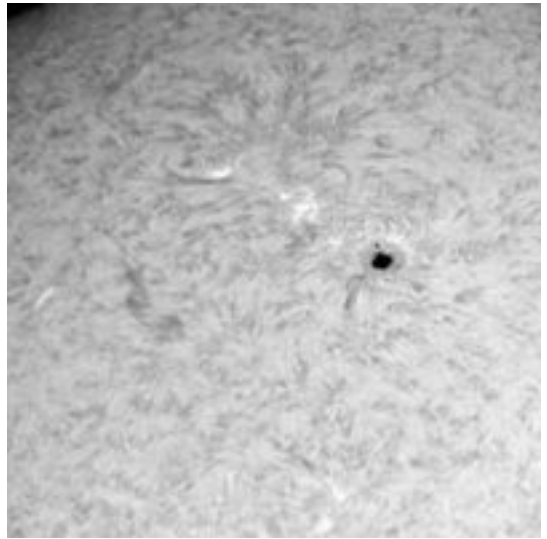
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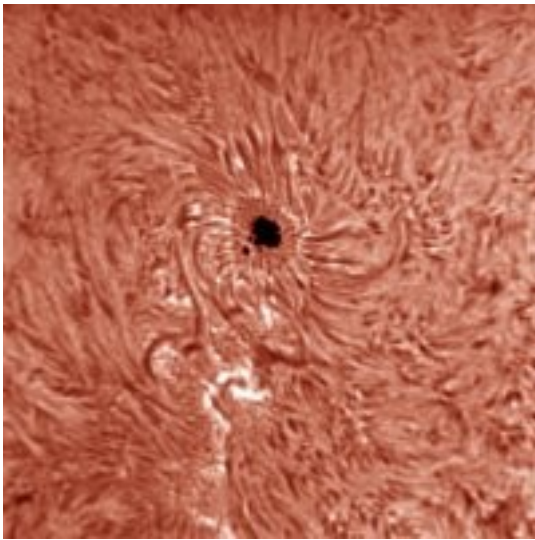
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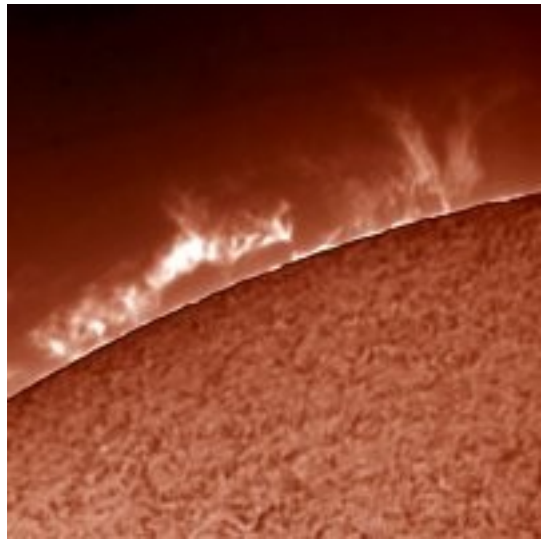
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(Fabio Mariuzza)



31/07/2010
(Gianfranco Meregalli)



31/07/2010
(Fulvio Mete)



31/07/2010
(Fulvio Mete)

Fabio Mariuzza

Si ringrazia specialmente a Gianfranco Meregalli.

Circolo AStrofilo Talmassons (CAST) www.castfvg.it

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