

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

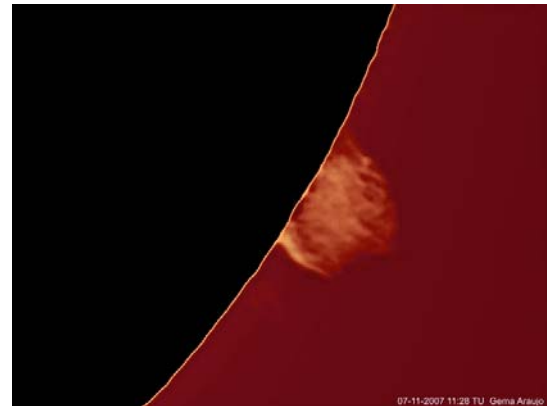
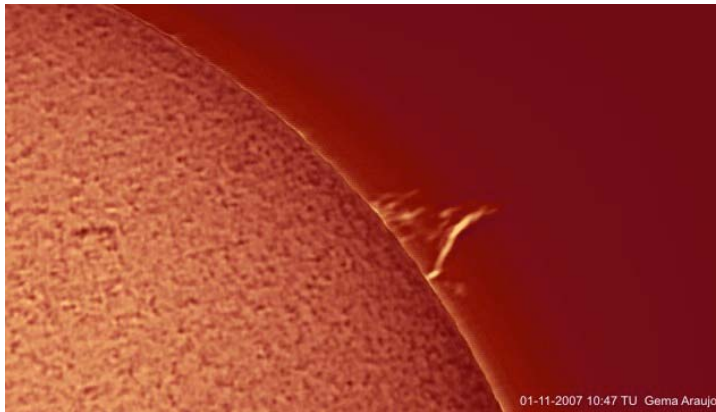


Paul Mortfield, Editor
c/o AAVSO, 49 Bay State Rd
Cambridge, MA 02138

Web: www.AAVSO.org
Email: Paul@IndustrialStars.com
ISSN 0271-8480

Volume 63 Number 11

November 2007



Gema Araujo caught these wonderful solar prominences on Nov 1, 2007 10:47 UT and Nov 7, 11:28 UT respectively. More of Gema's images can be seen at <http://www.astrosurf.com/obsolar/>
I thought California had great solar observing weather, but Gema was able to observe the sun 29 of the 30 days in November. I think we should move to Spain.

THE THANKSGIVING SPOTS By Susan Otney

I search in vain to find them,
And this month none have found;
Those elusive little spots
That on the Sun go 'round.

The days grow short,
The Sun is low.
The air is crisp and cold;

But, I maintain my vigil
At my little post below.

The 22nd of November,
The day we call Thanksgiving,
I peek into the eyepiece and—
Sure as I am living—
There are rows of pointed spots!!
Will wonders never cease?!
They're traveling the wrong way-
It is a flock of geese!

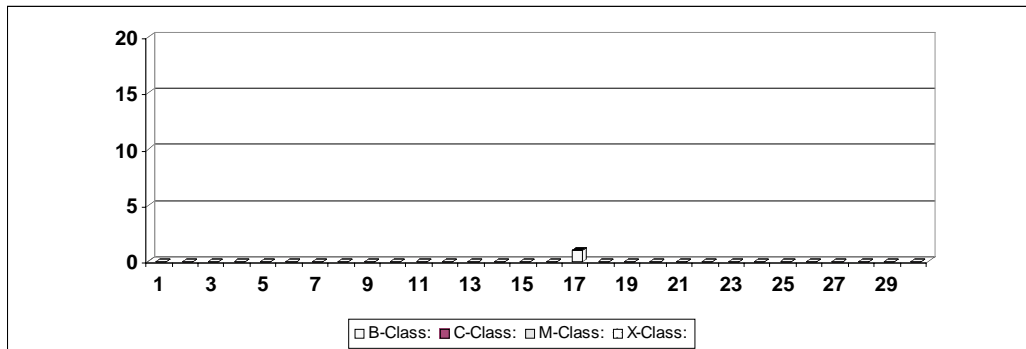
Remember to send me any solar drawings, SID flares or photos for me to include here.

Happy Holidays to all our observers and wishing you clear skies for 2008

Solar Events

November was just as active as October. In other words – NO correlated SID events! In fact the month was so similar to last month that there was once again only one event recorded by the GOES-12 satellite; A minor B-Class event. Indeed, a very in-active sun. Just winding up for the next cycle? Perhaps. We have been in a fairly long period of inactivity, which I myself thought would have passed by now. But it has lasted quite some time and there are now signs that the trend may start to work the other way. Only time will tell and of course the numbers – our numbers. So keep observing, keep up the reports. They are all important. We are down to 11 observers this month out of the usual 18-19 so we do have a few observers taking a break from the monitoring for a while. I'm sure the number of observers will pick up once the next solar cycle - cycle 24 - begins.

Solar Flare Summary Based on GOES-12 Data



American Relative Sunspot Numbers (Ra) for
November 2007 [**boldface = maximum, minimum**]

Day	N	Raw Mean	Ra
1	31	0	0
2	29	0	0
3	36	0	0
4	33	0	0
5	31	0	0
6	30	4	2
7	28	1	1
8	24	0	0
9	29	0	0
10	34	0	0
11	34	1	0
12	26	0	0
13	26	0	0
14	28	0	0
15	26	0	0
16	28	9	7
17	29	2	2
18	24	1	1
19	21	0	0
20	18	0	0
21	22	0	0
22	18	1	0
23	28	3	2
24	28	11	7
25	24	4	3
26	23	4	3
27	20	0	0
28	24	1	0
29	17	0	0
30	18	1	1

Means 26.2 1.4 1.0

No. of Observers: 56

Total No. of Observations: 787

Reporting Addresses:

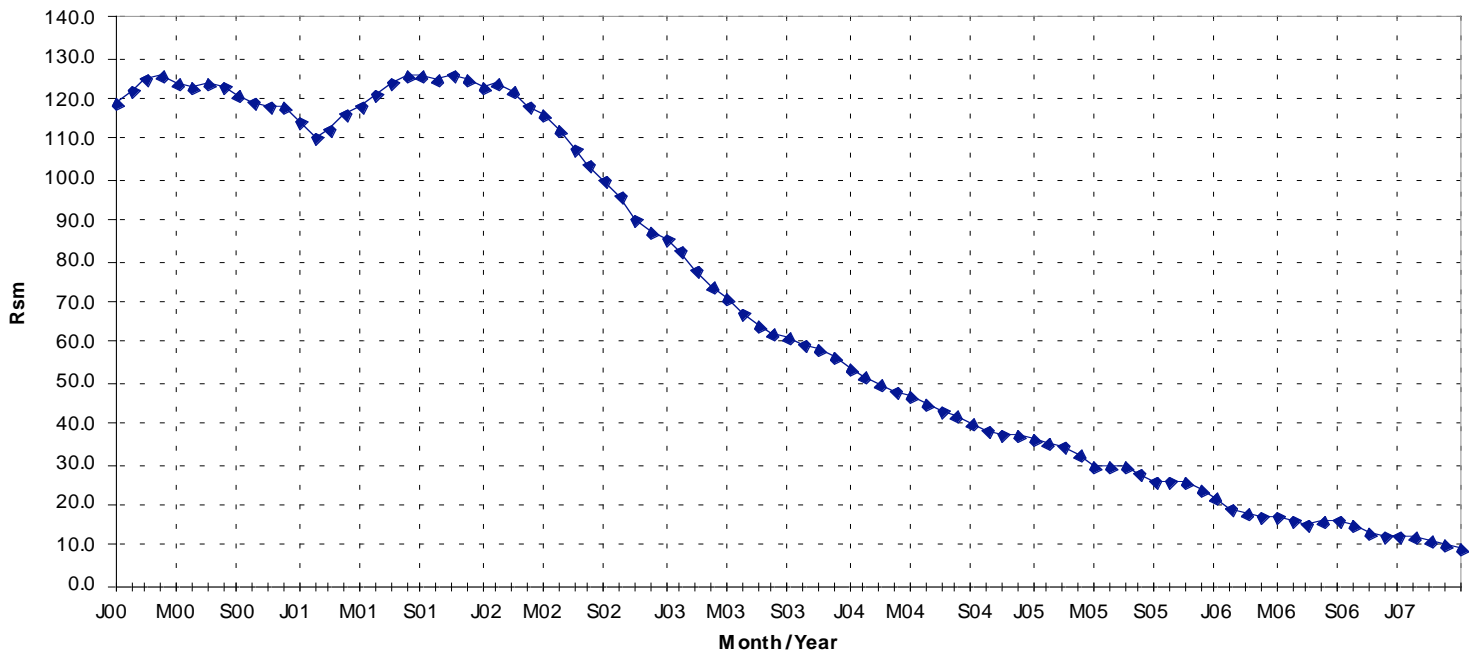
Sunspot Reports – Email: solar@aavso.org Postal Mail: AAVSO,
49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665

SID Flare Reports – email: noatak@aol.com Postal Mail: Mike Hill,
114 Prospect St., Marlboro, MA, 01752

November 2007 Sunspot Observers

AAP	A. Abbott	1
AJV	J. Alonso	8
ARAG	G. Araujo	29
BARH	H. Barnes	10
BATR	R. Battaiola	7
BEB	R. Berg	10
BERJ	J. Berdejo	19
BLAJ	J. Blackwell	1
BMF	M. Boschat	11
BRAD	D. Branchett	11
BRAR	R. Branch	25
BROB	R. Brown	15
BVC	A. Buck	30
CHAG	G. Morales	26
CKB	B. Cudnik	20
CLZ	L. Corp	7
CNT	D. Chantiles	6
COMT	T. Compton	4
CVJ	J. Carvajal	22
DEJV	J. van Delft	11
DGP	G. Dyck	10
DUBF	F. Dubois	19
FERJ	J. Fernandez	4
FLET	T. Fleming	18
FUJK	K. Fujimori	20
GFT	F. Gobet	11
HAYK	K. Hay	9
HMQ	M. Harris	32
KAPJ	J. Kaplan	14
KNJS	J. & S. Knight	10
LARJ	J. Larriba	15
LERM	M. Lerman	4
MARJ	J. Maranon	30
MCE	E. Mochizuki	20
MCHL	L. McHenry	2
MEU	E. Mason	13
MILJ	J. Miller	12
MMI	M. Moeller	21
OATS	S. Oatney	19
OBSO	IPS Observatory	14
RICE	E. C. Richardson	12
RITA	A. Ritchie	10
SCGL	G. Schott	19
SIMC	C. Simpson	5
STEM	G. Stemmler	7
STQ	N. Stoikidis	13
SUZM	M. Suzuki	22
SZUM	M. Szulc	15
TESD	D. Teske	23
TJV	J. Temprano	14
URBP	P. Urbanski	12
VARG	A. Vargas	18
VIDD	D. Vidican	6
WILW	W. Wilson	19
WRP	R. Wheeler	2
YESH	H. Yesilyaprak	20

Smoothed Mean Sunspot Numbers (Rsm) from January 2000 to May 2007
(Waldmeier Method)



10 cm Solar Flux and American Relative Sunspot Numbers (Ra) for November 2007
10 cm source: <http://www.drao.nrc.ca>

