Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

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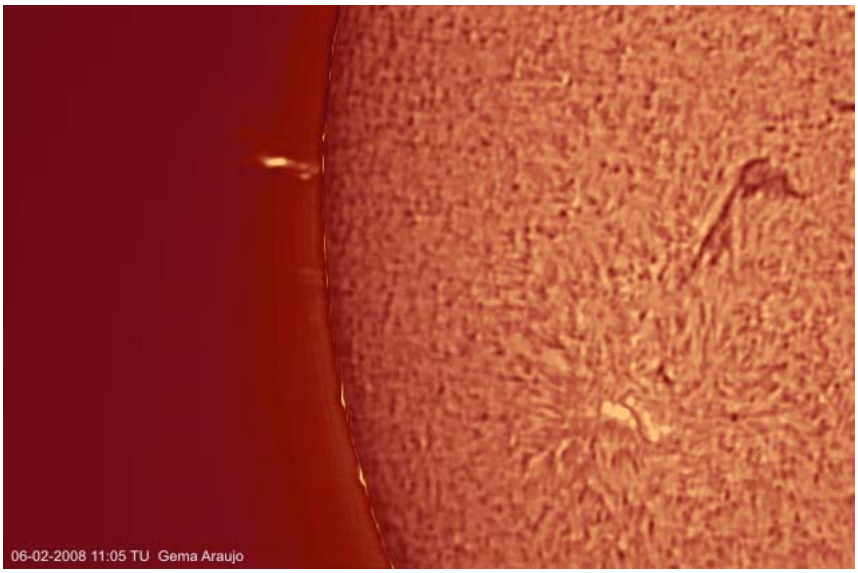

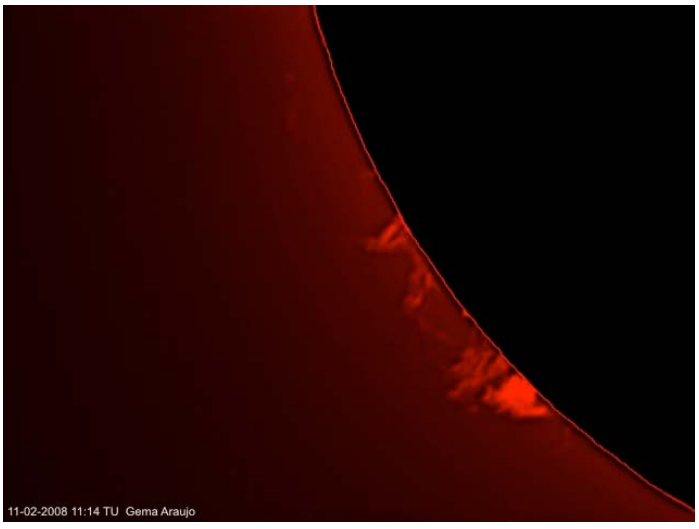

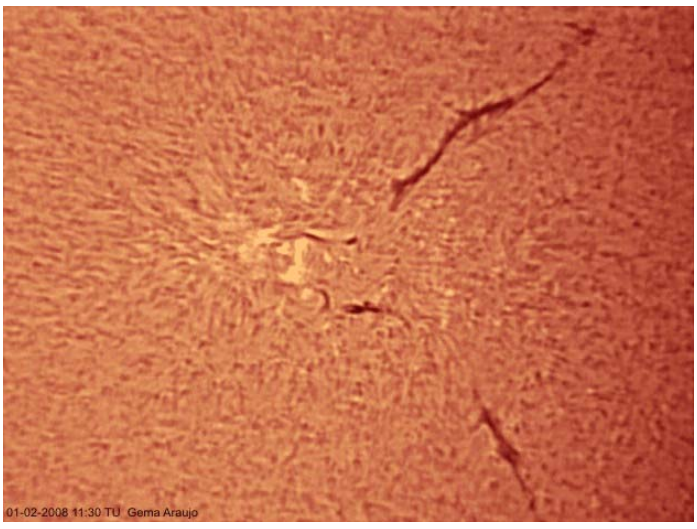

Mike Hill's SID report sums up the amount of activity for this part of the cycle. However, on the rare occasion that the sky has cleared, I've taken out the PST and always find a few prominences to observe. Gema Araujo continues to capture a wealth of imagery. The top H-alpha image on Feb 6, 11:05UT, lower left Feb 11, 11:14UT and right on Feb 1, 11:13UT. You can track Gema's images at http://www.astrosurf.com/obsolar/
I'd also like to thank Ernest Richardson for submitting his images of prominences. I'll try and find a scanner to include them next month.

Sudden Ionospheric Disturbance Report

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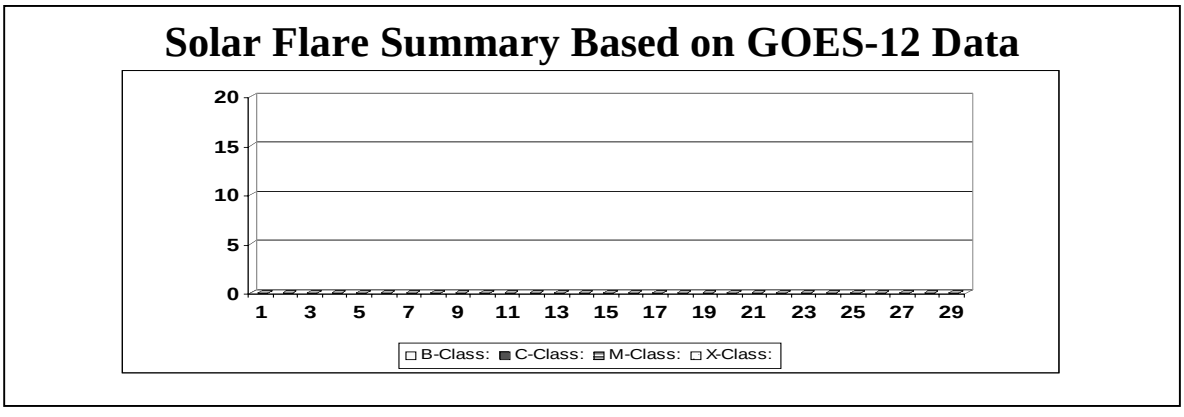
Sudden Ionospheric Disturbances (SID) Recorded During February 2008

There were no SID's recorded this month

Solar Events

There were no SID events in February. None! Not one correlated SID event and not even one GOES X-Ray flare recorded. A very very inactive sun is upon us. I'm sure many of you long time observers are searching your memories for a time like this in the past. Is this normal for minimum or is this an anomaly? I for one cannot remember in the past 35 years of solar observing seeing so little activity. It really makes me wonder what is going on under the surface of the sun that we are not seeing. So in an odd way this absolute lack of activity is quite compelling. Keep looking and monitoring because it's sometimes what you don't see that can be the most interesting. As always I have included the list of observers who reported this month in the official report submitted to the AAVSO and on file on the web site. Thanks again for your contributions and keep those monitors running. The next big flare might be just around the limb.



American Relative Sunspot Numbers (Ra) for
February 2008 [**boldface = maximum, minimum**]

Day	N	Raw Mean	Ra
1	24	15	**10**
2	26	5	4
3	18	9	7
4	28	4	3
5	23	2	1
6	24	0	**0**
7	24	0	**0**
8	24	0	**0**
9	30	3	2
10	32	1	1
11	26	0	**0**
12	22	0	**0**
13	30	0	**0**
14	24	0	**0**
15	25	0	**0**
16	32	0	**0**
17	28	0	**0**
18	25	0	**0**
19	25	0	**0**
20	25	0	**0**
21	21	0	**0**
22	22	1	**0**
23	31	0	**0**
24	35	0	**0**
25	29	8	5
26	21	11	8
27	27	7	5
28	28	0	**0**
29	28	0	**0**

Means **26.1** **2.3** **1.6**

No. of Observers: 51

Total No. of Observations: 757

Reporting Addresses:

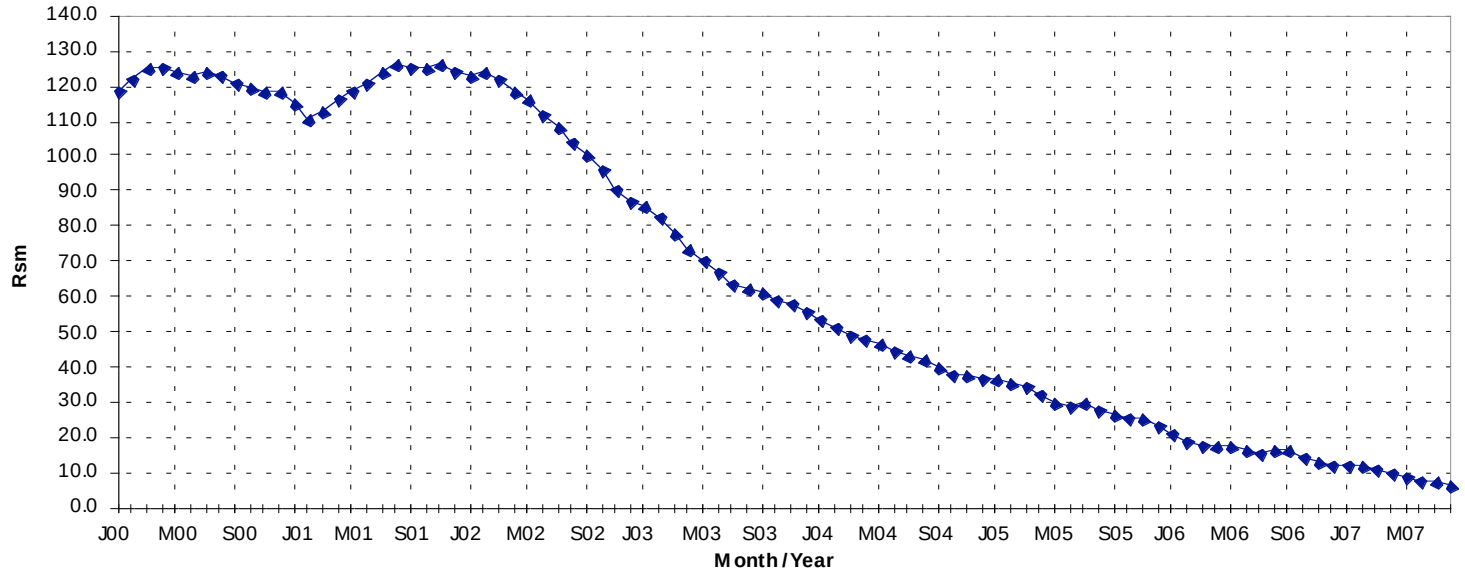
Sunspot Reports – Email: solar@aavso.org Postal Mail: AAVSO, 49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665

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

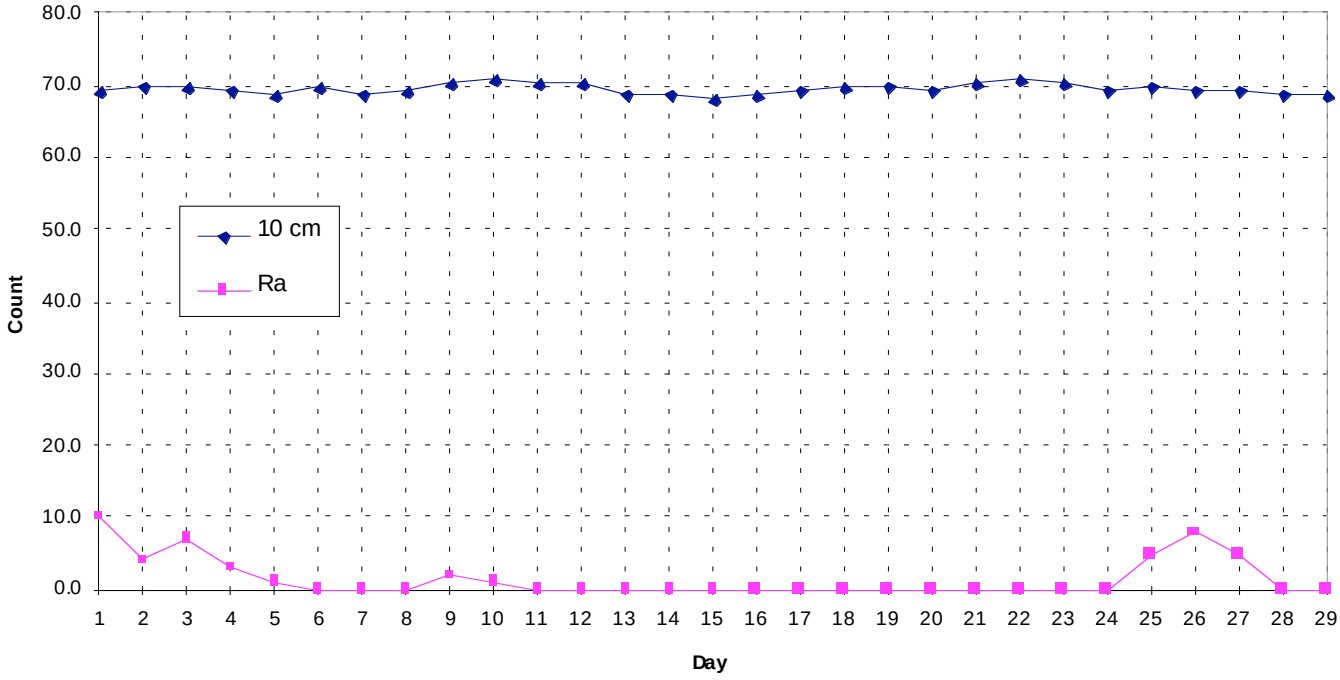
February 2008 Sunspot Observers

AAP	A. Abbott	9
ARAG	G. Araujo	28
BARH	H. Barnes	12
BATR	R. Battaiola	3
BERJ	J. Berdejo	11
BMF	M. Boschat	13
BRAB	B. Branchett	27
BRAD	D. Branchett	16
BRAR	R. Branch	21
BROB	R. Brown	25
BVC	A. Buck	29
CHAG	G. Morales	27
CKB	B. Cudnik	20
CLZ	L. Corp	12
CNT	D. Chantiles	8
DEJV	J. van Delft	14
DGP	G. Dyck	8
DUBF	F. Dubois	23
FLET	T. Fleming	22
FUJK	K. Fujimori	22
GFT	F. Gobet	14
HAYK	K. Hay	15
HMQ	M. Harris	21
KAPJ	J. Kaplan	17
KROL	L. Krozel	1
LARJ	J. Larriba	8
MARE	E. Mariani	4
MARJ	J. Maranon	15
MCE	E. Mochizuki	24
MCHL	L. McHenry	2
MEU	E. Mason	5
MILJ	J. Miller	10
MMI	M. Moeller	19
OATS	S. Oatney	10
RICE	E. C. Richardson	17
RITA	A. Ritchie	7
SCGL	G. Schott	14
SDP	D. Sharples	1
SIMC	C. Simpson	5
STEM	G. Stemmler	16
STQ	N. Stoikidis	19
SUZM	M. Suzuki	24
SZUM	M. Szulc	15
TESD	D. Teske	20
TJV	J. Temprano	19
URBP	P. Urbanski	13
VARG	A. Vargas	20
VIDD	D. Vidican	9
WILW	W. Wilson	16
WRP	R. Wheeler	5
YESH	H. Yesilyaprak	22

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



10 cm Solar Flux and American Relative Sunspot Numbers (Ra) for February 2008
10 cm source: http://www.drao.nrc.ca



NOTE: There were no data for the 10 cm Solar Flux on February 3rd. The median between the 2nd and the 4th was used for the graph