

# Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

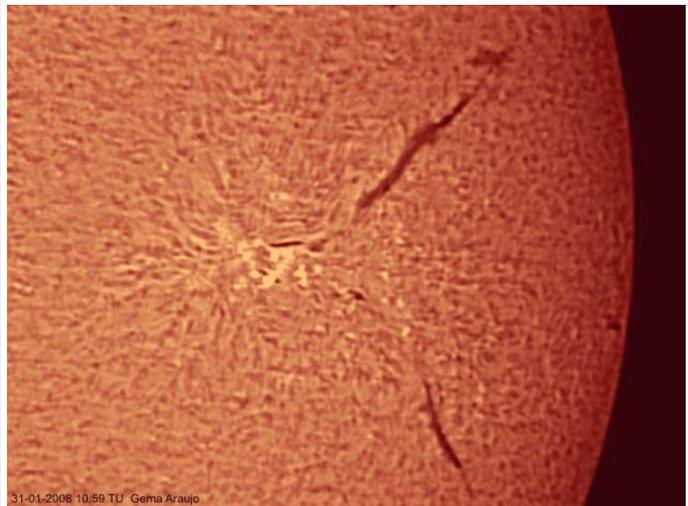


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ISSN 0271-8480

Volume 64 Number 1

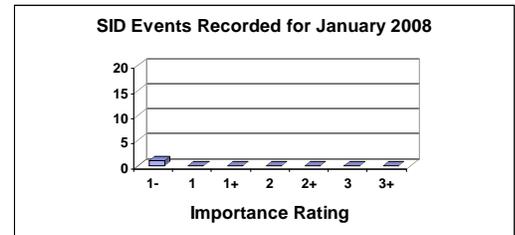
January 2008



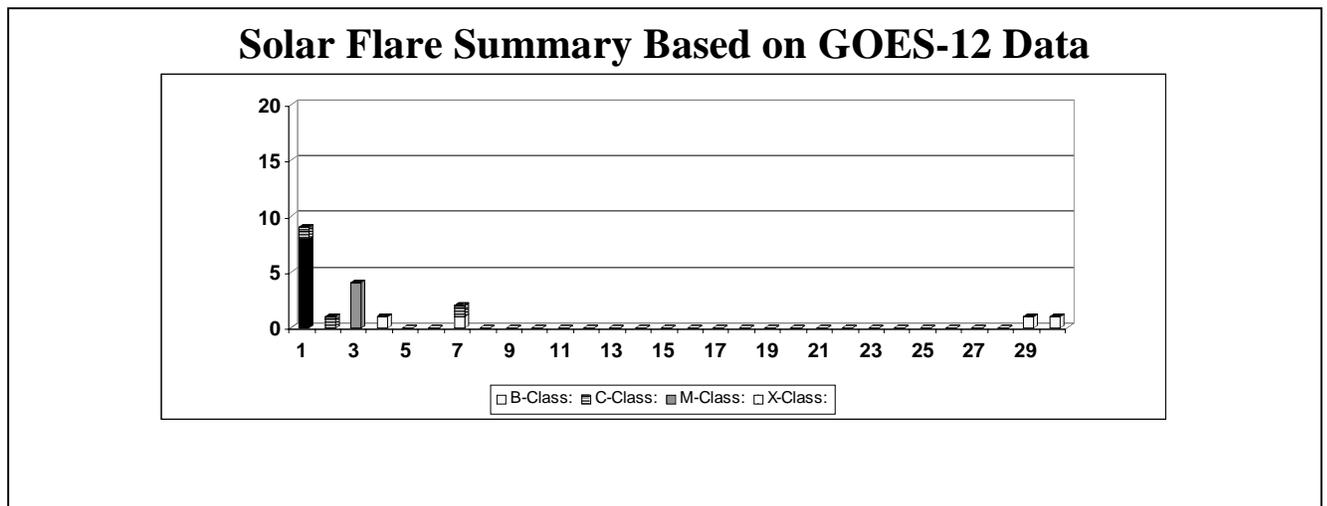
You know we are around solar minimum when you look at the sun for two weeks and not see a single spot. Fortunately, the beginning and end of January showed some activity. Gema Araujo caught these wonderful solar images to kick off the new year. The white light image shows active region 10980 on Jan 2, 10:26UT. The prominence at left on Jan 31, 11:12UT, and a few minutes earlier at 10:59UT are filaments on the right that lasted for several days around AR10982. You can track Gema's images at <http://www.astrosurf.com/obsolar/>



# Solar Events



Well the first month of 2008 has proven to be quite a slow month for SID's. There was only one correlated SID event this month by one observer. Most observers had no activity at all. Even the GOES-12 satellite had very little activity. There were a total of 15 X-Ray events. Most of these were at the beginning of the month. In fact nine of them were on the 1<sup>st</sup>. All were B or C class events. Thanks to all of you for submitting reports even those of "No Events". If you don't see your name above that is because in this report I only include the names of those observers who had correlated events. I do, however, include the name and observer ID of all those that reported in as part of the AAVSO monthly report and of course in my database as well. Your observations are noted and appreciated – and important to the overall data set.



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

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

Means      22.6      3.4      2.3

No. of Observers: 52

Total No. of Observations: 701

**Reporting Addresses:**

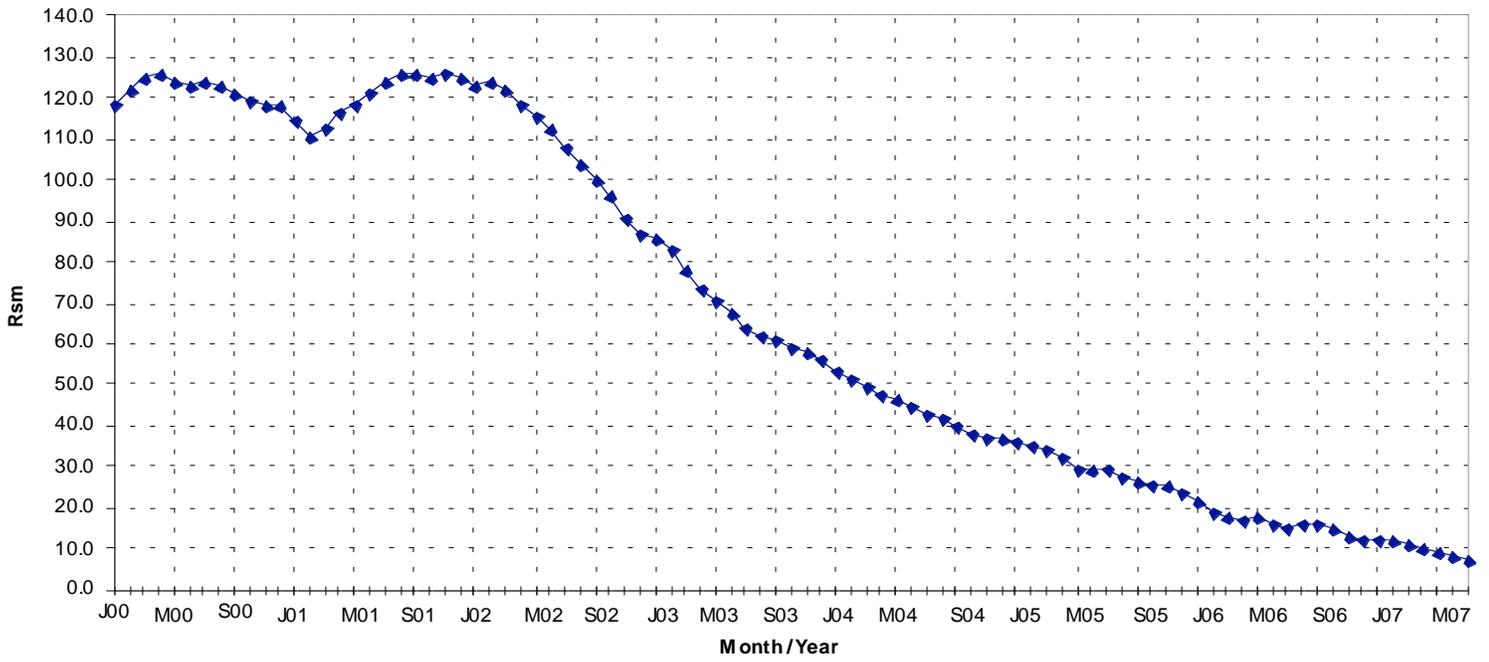
Sunspot Reports – Email: solar@aavso.org Postal Mail: AAVSO,  
49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665

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

**January 2008 Sunspot Observers**

AAP	A. Abbott	4
AJV	J. Alonso	9
ARAG	G. Araujo	26
BARH	H. Barnes	14
BATR	R. Battaiola	3
BERJ	J. Berdejo	10
BMF	M. Boschatt	12
BRAB	B. Branchett	28
BRAD	D. Branchett	14
BRAR	R. Branch	20
BROB	R. Brown	17
BVC	A. Buck	31
CHAG	G. Morales	23
CKB	B. Cudnik	19
CLZ	L. Corp	8
CNT	D. Chantiles	5
DEJV	J. van Delft	14
DGP	G. Dyck	4
DUBF	F. Dubois	18
FERJ	J. Fernandez	9
FLET	T. Fleming	20
FUJK	K. Fujimori	25
GFT	F. Gobet	4
HALB	B. Halls	2
HAYK	K. Hay	11
HMQ	M. Harris	12
KAPJ	J. Kaplan	17
KNJS	J. & S. Knight	9
KROL	L. Krozel	1
LARJ	J. Larriba	6
MARJ	J. Maranon	19
MCE	E. Mochizuki	24
MEU	E. Mason	3
MILJ	J. Miller	14
MMI	M. Moeller	13
OATS	S. Oatney	20
OBSO	IPS Observatory	8
RICE	E. C. Richardson	11
RITA	A. Ritchie	8
SIMC	C. Simpson	7
STEM	G. Stemmler	12
STQ	N. Stoikidis	14
SUZM	M. Suzuki	23
SZUM	M. Szulc	15
TESD	D. Teske	18
TJV	J. Temprano	13
URBP	P. Urbanski	16
VARG	A. Vargas	12
VIDD	D. Vidican	10
WILW	W. Wilson	18
WRP	R. Wheeler	4
YESH	H. Yesilyaprak	24

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



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

