

# Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE



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Gema Araujo took this H-alpha image on February 5, 2007 at 12:40 UT of active region 10940.

February continues with minimal solar activity. Our radio SID observers got blanked this month as well. Fortunately our sunspot observers fared slightly better, with most days showing some activity except for mid month.

We must commend all our observers for continually monitoring for any activity during this quiet part of the cycle. Reports, even with zero counts are just as important during this time, as all reports during the active part of the cycle. I look back into my old log books from several cycles ago and see the numerous reports of zero or minimal spot activity. It sure made for quick peeks at the sun, and took little if any time for drawings. Remember these easy times before we're once again peppered with spots at solar max.

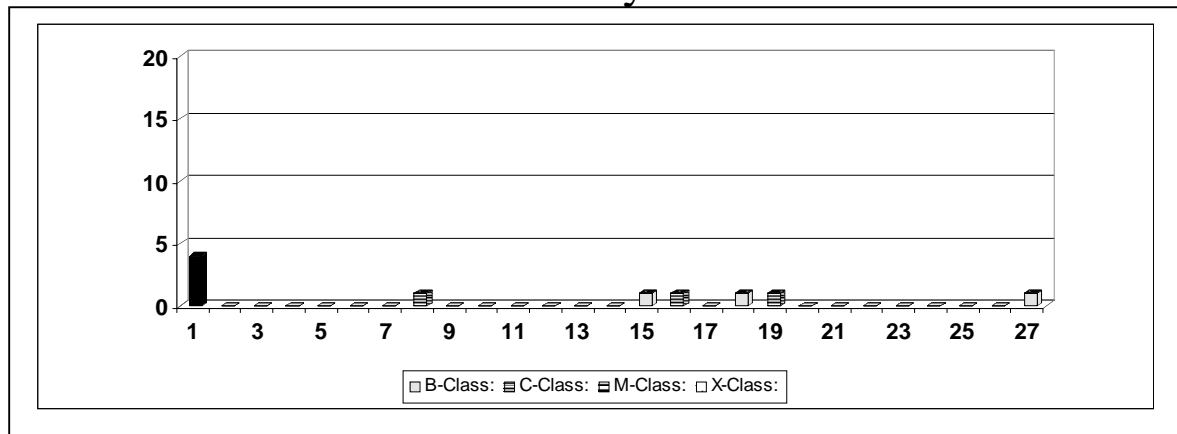


# Solar Events

February, as has often been the case lately, was very slow for X-Ray flares and therefore SID event detection. In fact I did not get one report with a correlated event. That is most unusual. I guess it can't get any slower than this so that it folks; It's all uphill from here. Thanks to all of you for having such patience waiting for this slow season to pass. A lot of you did report in this month. Fourteen in fact and I do appreciate all the reports. (Not to mention it's good to hear from you as well.) The X-Ray flares recorded by the GOES-12 spacecraft was pretty sparse as well. Only 10 and most of these were low B-Class flares. That is so quiet . . .

Note that as I did before when there were predominantly reports of "No SIDS", I have listed all the observers who reported in here and in the database file recorded on the web site. This is contrary to what I usually do which is only list observers that had correlated events. (I always record every observer in my database regardless of the nature of the report, however.)

## Solar Flare Summary Based on GOES-12 Data



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

**February 2007 Sunspot Observers**

Day	N	Raw Mean	Ra
1	17	36	25
2	24	36	<b>26</b>
3	32	30	23
4	26	26	19
5	26	24	17
6	29	23	17
7	28	23	17
8	22	13	9
9	21	11	9
10	21	9	6
11	18	2	<b>0</b>
12	30	0	<b>0</b>
13	21	0	<b>0</b>
14	18	0	<b>0</b>
15	27	1	<b>0</b>
16	30	2	2
17	23	12	8
18	25	16	12
19	27	25	18
20	20	21	14
21	34	17	11
22	23	18	13
23	20	15	10
24	25	11	8
25	23	14	10
26	21	23	16
27	26	20	14
28	27	14	10

AAP	A. Abbott	6
ARAG	G. Araujo	24
BARH	H. Barnes	14
BATR	R. Battaiola	2
BERJ	J. Berdejo	12
BLAJ	J. Blackwell	5
BMF	M. Boschat	18
BRAB	B. Branchett	26
BRAD	D. Branchett	12
BRAM	M. Bradbury	10
BRAR	R. Branch	20
BROB	R. Brown	20
CHAG	G. Morales	21
CKB	B. Cudnik	20
CLZ	L. Corp	8
DGP	G. Dyck	14
DUBF	F. Dubois	19
FERJ	J. Fernandez	13
FLET	T. Fleming	18
FUJK	K. Fujimori	25
GFT	F. Gobet	7
HALB	B. Halls	1
HAYK	K. Hay	14
KAPJ	J. Kaplan	16
KNJS	J. & S. Knight	20
KQR	R. Kinne	10
KROL	L. Krozel	3
LARJ	J. Larriba	12
LERM	M. Lerman	4
LEVM	M. Leventhal	24
MCE	E. Mochizuki	23
MCHL	L. McHenry	2
MMI	M. Moeller	18
OATS	S. Oatney	14
OBSO	IPS Observatory	17
PEKT	R. Pektas	15
RICE	E. C. Richardson	13
RITA	A. Ritchie	23
SCGL	G. Schott	20
SDP	D. Sharples	2
SIMC	C. Simpson	7
STQ	N. Stoikidis	14
SUZM	M. Suzuki	24
TESD	D. Teske	23
TJV	J. Temprano	9
URBP	P. Urbanski	13

Means      24.4      15.8      11.2

No. of Observers: 48

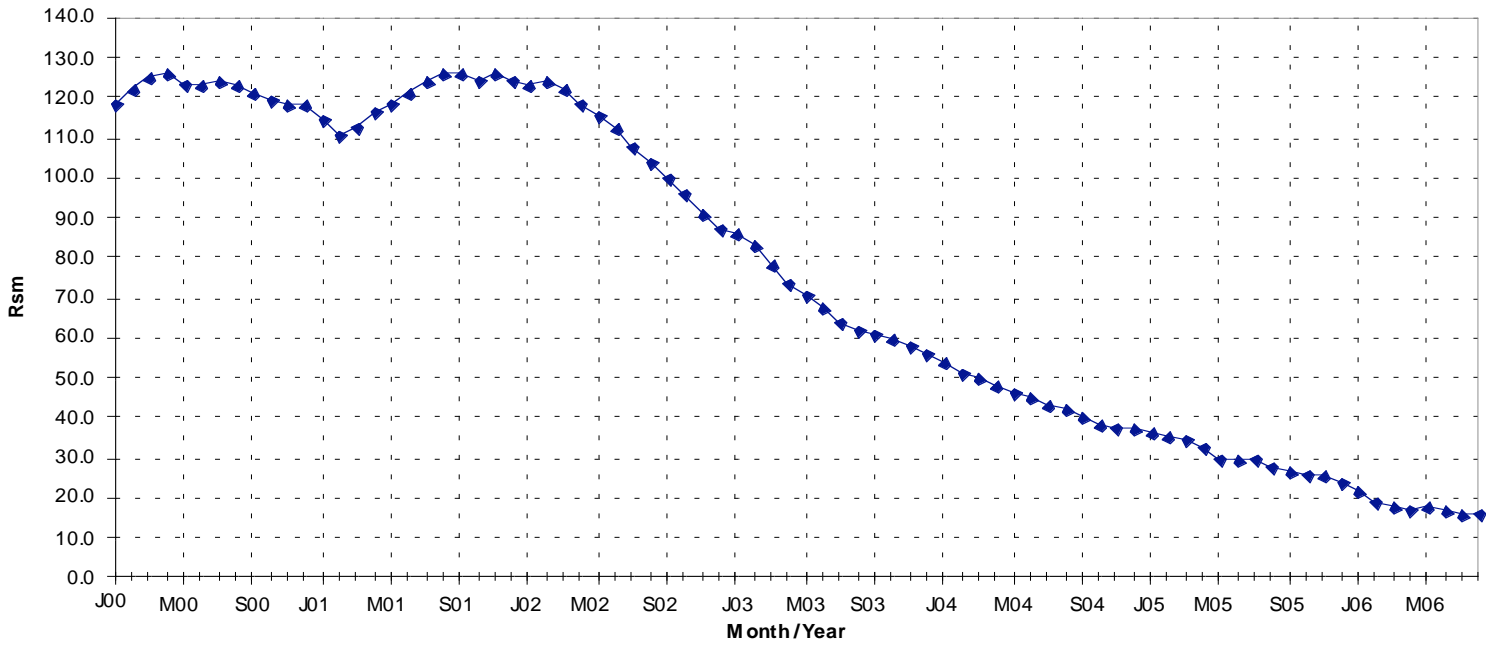
Total No. of Observations: 684

**Reporting Addresses:**

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49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665

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

Smoothed Mean Sunspot Numbers (Rsm) from January 2000 to August 2006  
(Waldmeier Method)



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

