

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

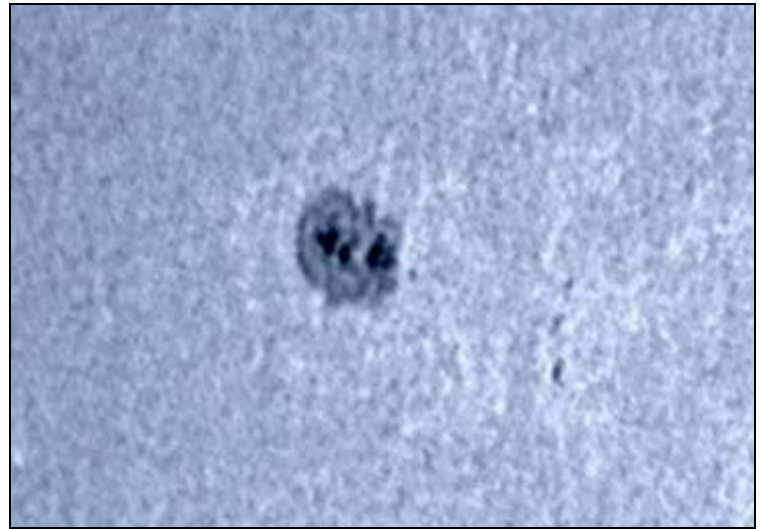
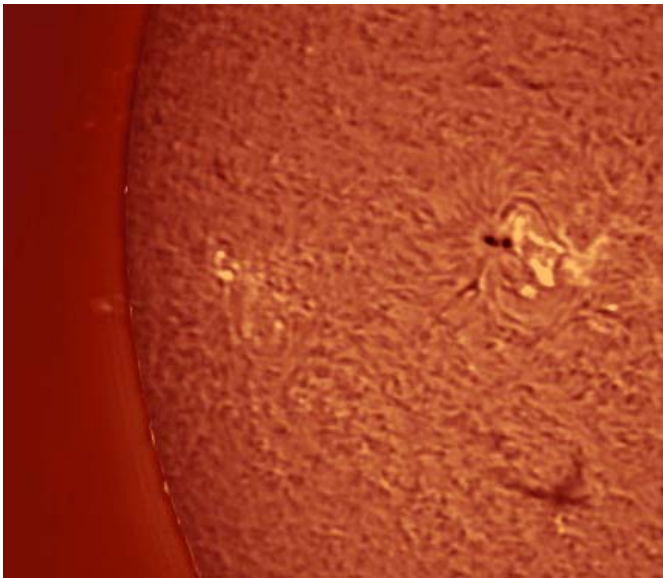


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ISSN 0271-8480

Volume 64 Number 4

April 2008



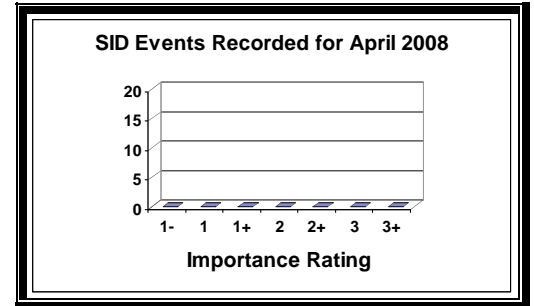
AR 988 – April 1, 2008

Gema Araujo caught AR988 on April 1, 2008 in H-alpha and Calcium-K at 09:15UT and 08:39UT respectively. Unfortunately the April Fools joke was on us, since that day had the highest sunspot count for the entire month. Just when we thought we might be getting some activity, it has tapered off again. The good news is we are finally better and warmer spring weather for the northern hemisphere allowing more opportunities to check out the sun. A quick peek with a portable scope at lunch also feeds the solar habit. Today's quick lunch with a PST (H-alpha) showed a few prominences but unfortunately no spots. We're pretty lucky at this solar minimum to have several affordable H-alpha scopes around to view our local star, and also share those views with co-workers.

Don't forget to submit your images, drawings and SID plots for me to include in the bulletin.

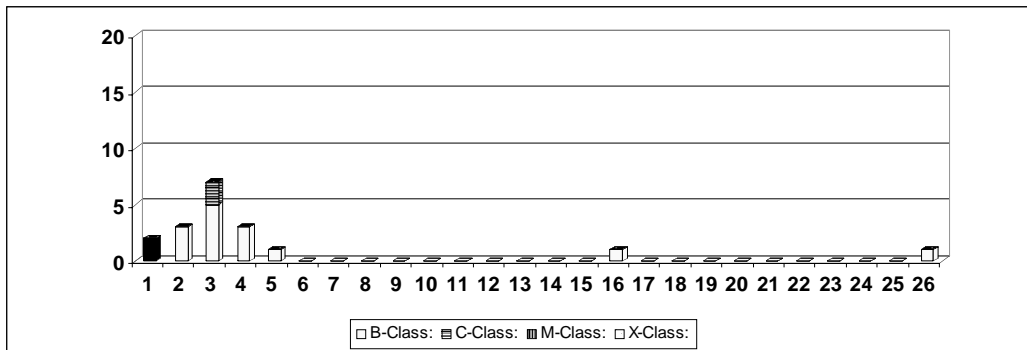
Sudden Ionospheric Disturbance Report

Solar Events



April was another very slow month. I only had one observer send in a single event and that turned out not to correlate. So the count is once again zero. We all keep hoping for a change in activity to signal a return to the upward trend but this minimum is certainly lasting a long time. The sun is definitely in a quiet spell for a while now. There were not even that many X-Ray events as seen by the Goes-12 satellite. There were only 17 this month and all but two were B Class events. The other two were C-Class. Most of the activity was at the beginning of the month. Thanks to all who continue to submit data. Your observations, as always, are appreciated.

Solar Flare Summary Based on GOES-12 Data



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

Day	N	Raw Mean	Ra
1	27	25	18
2	36	15	11
3	31	13	9
4	29	4	3
5	35	0	0
6	35	0	0
7	30	0	0
8	30	0	0
9	27	0	0
10	29	0	0
11	32	0	0
12	33	0	0
13	37	1	1
14	34	4	3
15	38	1	0
16	39	0	0
17	28	0	0
18	28	0	0
19	35	3	1
20	37	1	0
21	33	0	0
22	31	11	8
23	30	12	9
24	33	4	2
25	32	0	0
26	33	0	0
27	35	0	0
28	29	0	0
29	37	0	0
30	35	0	0

Means **32.6** **3.1** **2.2**

No. of Observers: 60

Total No. of Observations: 978

Reporting Addresses:

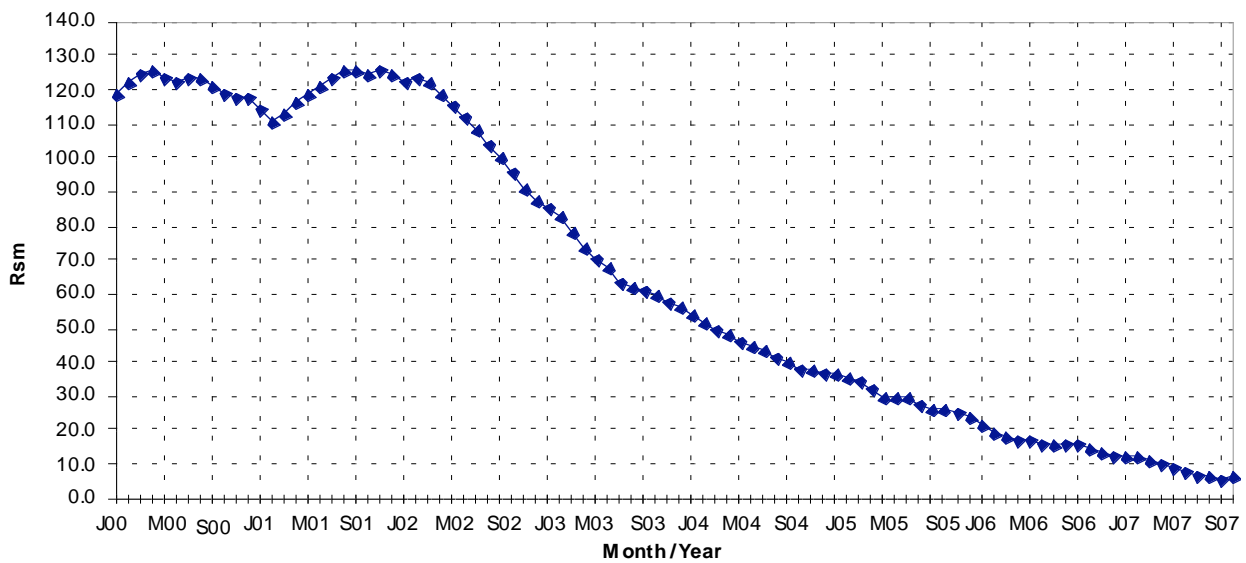
**Sunspot Reports – Email: solar@aavso.org Postal Mail: AAVSO,
 49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665**

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

April 2008 Sunspot Observers

AAP	A. Abbott	11
AJV	J. Alonso	17
ARAG	G. Araujo	30
BARH	H. Barnes	6
BATR	R. Battaiola	3
BERJ	J. Berdejo	11
BMF	M. Boschat	17
BOSB	B. Bose	14
BRAB	B. Branchett	30
BRAD	D. Branchett	17
BRAR	R. Branch	26
BROB	R. Brown	20
BVC	A. Buck	30
CHAG	G. Morales	27
CKB	B. Cudnik	24
CLZ	L. Corp	8
CNT	D. Chantiles	11
COMT	T. Compton	16
CR	T. Cragg	26
DEJV	J. van Delft	18
DGP	G. Dyck	4
DUBF	F. Dubois	22
FERJ	J. Fernandez	15
FLET	T. Fleming	26
FUJK	K. Fujimori	22
GFT	F. Gobet	9
HALB	B. Halls	8
HAYK	K. Hay	18
HMQ	M. Harris	16
KAPJ	J. Kaplan	16
KNJS	J. & S. Knight	11
KROL	L. Krozel	2
KUZM	M. Kuzmin	3
LARJ	J. Larriba	17
MARE	E. Mariani	5
MARJ	J. Maranon	30
MCE	E. Mochizuki	17
MEU	E. Mason	2
MILJ	J. Miller	8
MMI	M. Moeller	24
OATS	S. Oatney	26
OBSO	IPS Observatory	16
RICE	E. C. Richardson	10
RITA	A. Ritchie	22
SCGL	G. Schott	20
SDP	D. Sharples	1
SIMC	C. Simpson	19
STEF	G. Stefanopoulos	5
STEM	G. Stemmler	19
STQ	N. Stoikidis	21
SUZM	M. Suzuki	22
SZUM	M. Szulc	21
TESD	D. Teske	25
TJV	J. Temprano	15
URBP	P. Urbanski	18
VARG	A. Vargas	23
VIDD	D. Vidican	10
WILW	W. Wilson	24
WRP	R. Wheeler	4
YESH	H. Yesilyaprak	20

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



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

