

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE



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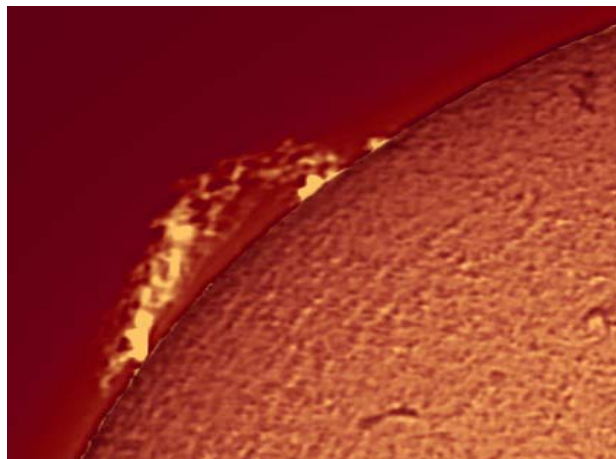
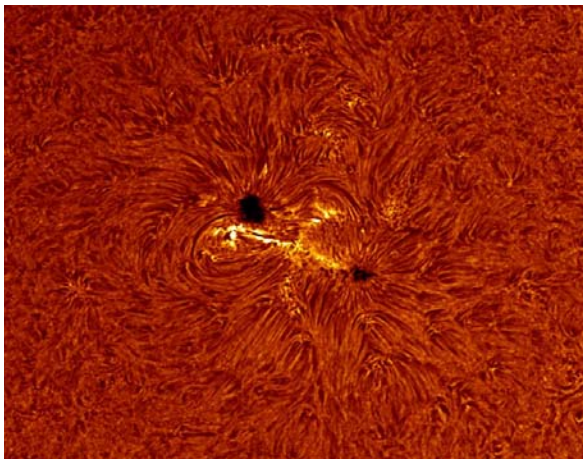
Web: www.AAVSO.org
Email: solar.aavso@gmail.com
ISSN 0271-8480

Volume 66 Number 3

March 2010



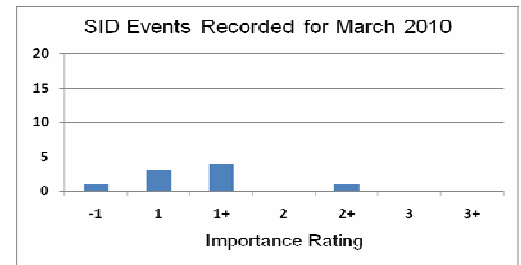
March images of sunspot activity left, on March 14 at 13:32UT by Enrico Mariani of Tradate, Italy. The full disk image was taken by Alex Burda of Bucharest, Romania on March 27, 08:57UT. The bottom left image in H-alpha taken by Javier Ruiz Fernandez of the Observatorio de Cantabria. March 17, 11:10UT huge prominence by Gema Araujo of Spain.



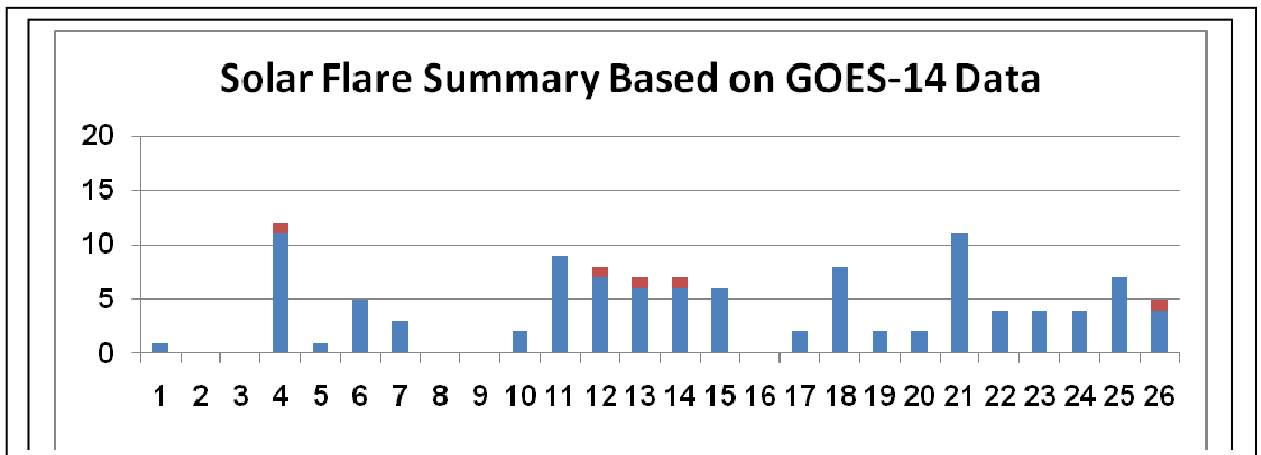
Notice to all Sunspot Observers

Beginning in March 2010 all sunspot reports need to be submitted electronically in the official format using the SolObs program (Windows) or the Sunkey program (DOS) or manual entry in the proper text format). Having the solar team re-enter observations manually is time consuming and considerably slows our process down. Using the programs helps us quickly analyze and report all the observations. The programs are available at the following link. <http://www.aavso.org/observing/programs/solar/solarsoftware.shtml>
Sunspot reports must be submitted by the **10th day** of the following month to be included in the Bulletin.

Solar Events



As we continue into cycle 24, the observer reports are more often ones that include actual SID observations instead of the many instances of "No SIDS" that I have had to log into my system. That is indeed a good thing to see. Some of you may still be missing some of them due to the timing and your location but be patient as there will be many more to come and your activity level will also pick up. In March there were 9 correlated SID events reported. Not a large number but a step in the active direction nonetheless. There were 110 X-ray flares recorded by the GOES satellite and of these 105 were B-Class events and the other 5 were C-Class events. A lot of little flares which are hard to detect with most of our monitors. Thanks to all who reported in.



American Relative Sunspot Numbers (Ra) for
March 2010 [**boldface = maximum, minimum**]

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

Means 25.1 21.6 15.4

No. of Observers: 51

Total No. of Observations: 778

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**

AAP	A. Abbott	9
AAX	A. Amorim	11
AJV	J. Alonso	11
ANGR	R. Ang	13
ARAG	G. Araujo	27
ASA	S. Aguirre	2
BARH	H. Barnes	10
BATR	R. Battaiola	4
BEB	R. Berg	6
BERJ	J. Berdejo	15
BLAJ	J. Blackwell	6
BMF	M. Boschat	22
BRAB	B. Branchett	27
BROB	R. Brown	25
BVC	A. Buck	31
BXD	A. Burda	15
CHAG	G. Morales	26
CKB	B. Cudnik	24
CLZ	L. Corp	5
CNT	D. Chantiles	18
CVJ	J. Carvajal	8
DELS	S. Delaney	8
DGP	G. Dyck	17
DUBF	F. Dubois	29
FAM	F. Mariuzza	10
FERJ	J. Fernandez	21
FUJK	K. Fujimori	17
HMQ	M. Harris	12
JASK	K. Wirkus	13
KAPJ	J. Kaplan	20
KNJS	J. & S. Knight	25
KROL	L. Krozel	9
LEVM	M. Leventhal	3
MARE	F. Mariuzza	6
MILJ	J. Miller	17
MMI	M. Moeller	18
OATS	S. Oatney	8
OBSO	IPS Observatory	18
SCGL	G. Schott	24
SDP	D. Sharpless	3
SIMC	C. Simpson	9
STQ	N. Stokidis	20
SUZM	M. Suzuki	21
TESD	D. Teske	22
TJV	J. Temprano	6
URBP	P. Urbanski	22
VARG	G. Vargas	22
VIDD	D. Vidican	17
WILW	W. Wilson	22
WRP	P. Wirkus	1
YESH	H. Yesilyaprak	23