

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

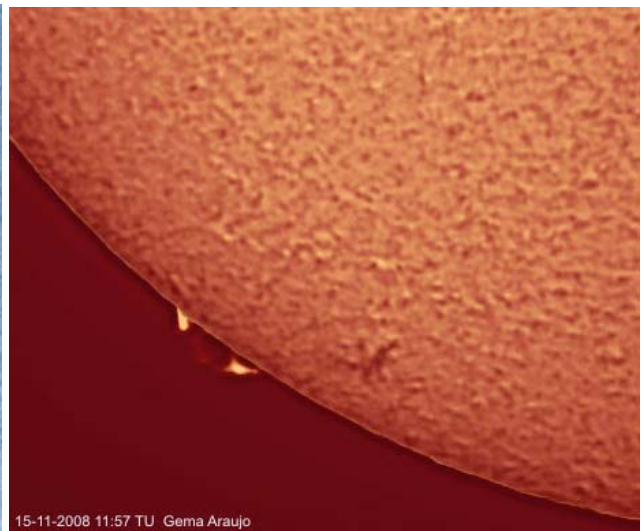


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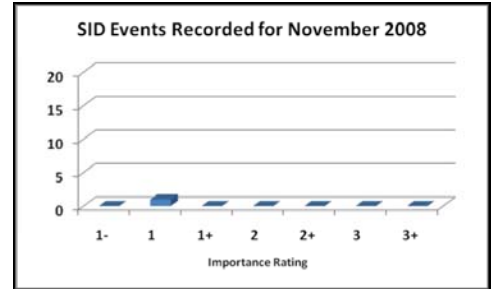
November 2008

While solar activity remains very low, there are still some occasional spurts of activity. Mike Hill reports that two European SID observers recorded a C-class flare on November 3. It's the first flare we've listed in many months. Gema Araujo of Spain obtained these recent solar images. The left image in Calcium-K on November 13 at 11:21UT, and solar prominences in H-alpha on November 15, 11:57UT

Thanks again to all the dedicated observers who continue to patrol the sun and submit reports. Your data still counts and reflects the current status of this cycle. Don't forget to submit your images, drawings and SID plots to include in the bulletin.

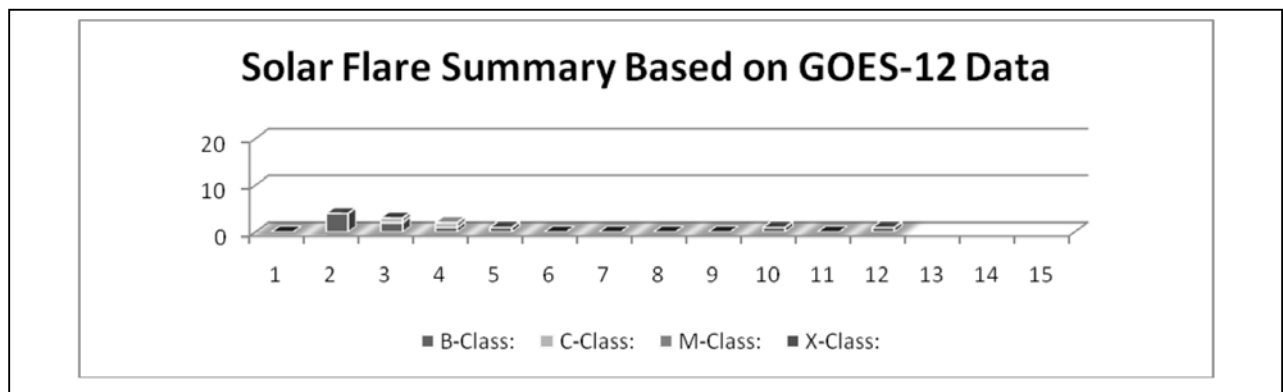
Mike, Dan and I along with all the AAVSO staff would like to wish all our observers a happy and safe holiday and best wishes for a fantastic 2009.

Solar Events



November brought us our first SID event in months. There was 1 correlated SID event recorded by two observers. Lionel Loudet (A118) and Jean Pierre Godet (A119). Congratulations to both and let us celebrate the start of cycle 24 for sure. There were 12 X-Ray flares recorded by the GOES-12 spacecraft. Two of them were C-Class and the rest were B-Class. A change of pace for them as well.

As usual all of your contributions are appreciated. As you can see I have a slightly new format for the GOES-12 chart. I'm just getting used to a new version of MS Word and will need time to refine it's look. But for now its good just to need to get back into a mode where charts and graphs are relavent.



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

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

Means **24.3** **5.0** **3.6**

No. of Observers: 53

Total No. of Observations: 728

Reporting Addresses:

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

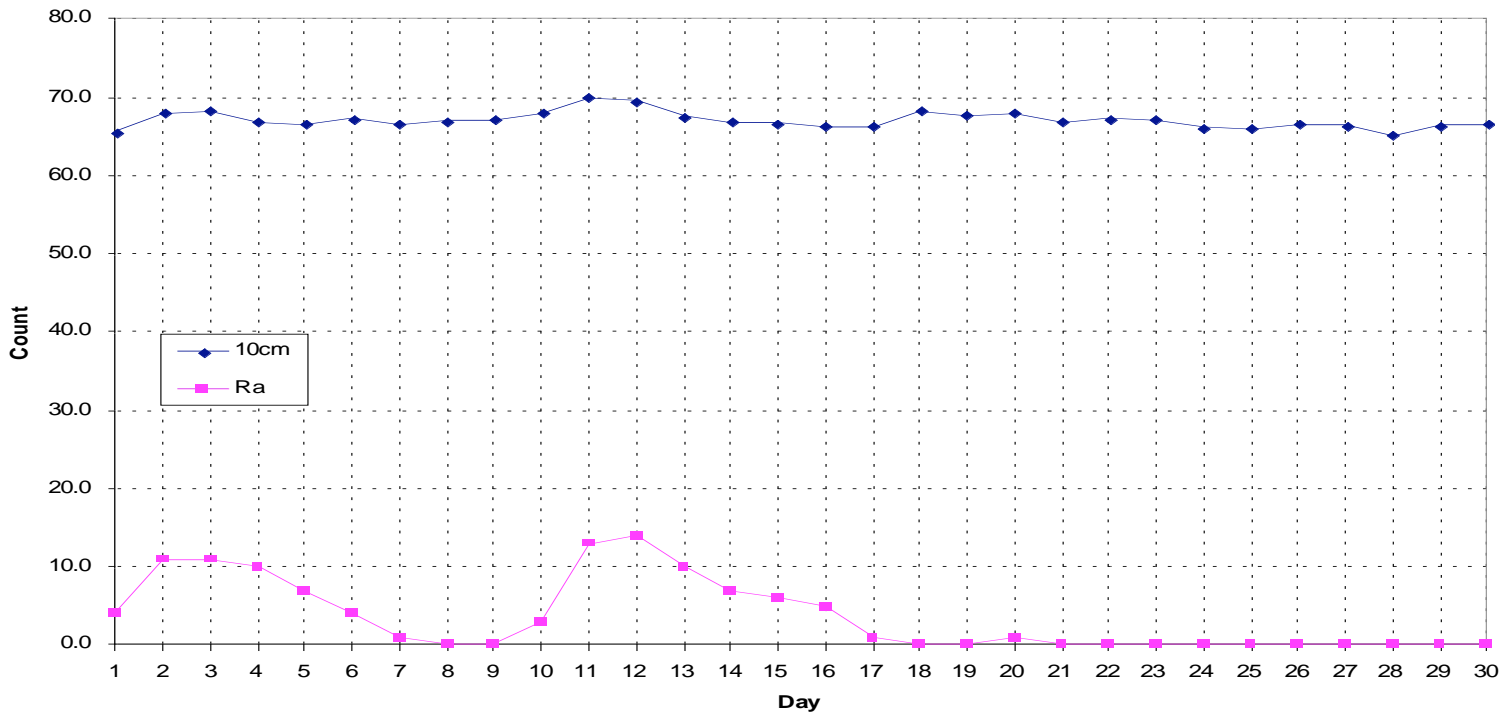
**SID Flare Reports – email: noatak@aol.com Postal Mail: Mike Hill,
114 Prospect St., Marlboro, MA, 01752**

BERJ	J. Berdejo	10
BMF	M. Boschat	11
BRAB	B. Branchett	28
BRAD	D. Branchett	10
BROB	R. Brown	23
BVC	A. Buck	30
CAMP	P. Campbell	5
CHAG	G. Morales	28
CKB	B. Cudnik	19
CLZ	L. Corp	7
CNT	D. Chantiles	11
DGP	G. Dyck	4
DUBF	F. Dubois	15
FLET	T. Fleming	20
FUJK	K. Fujimori	18
GFT	F. Gobet	3
HAYK	K. Hay	12
HMQ	M. Harris	35
HRUT	T. Hrutkay	6
JASK	K. Jaskulska	7
JENJ	J.J enkins	8
JENS	S. Jenner	17
KNJS	J. & S. Knight	20
KROL	L. Krozel	7
MARE	E. Mariani	4
MARJ	J. Maranon	30
MCE	E. Mochizuki	20
MCHL	L. McHenry	1
MEU	E. Mason	18
MILJ	J. Miller	6
MMI	M. Moeller	14
OATS	S. Oatney	13
OBSO	IPS Observatory	17
RICE	E. Richardson	12
RITA	A. Ritchie	7
SCGL	G. Schott	15
SIMC	C. Simpson	5
STEM	G. Stemmler	10
STQ	N. Stoikidis	14
SUZM	M. Suzuki	21
TESD	D. Teske	25
TJV	J. Temprano	5
URBP	P. Urbanski	12
VARG	A. Vargas	20
VIDD	D. Vidican	10
WILW	W. Wilson	22
WIRP	P. Wirkus	2
WRP	R. Wheeler	6
YESH	H. Yesilyaprak	22

AAP	A. Abbott	10
AJV	J. Alonso	10
BARH	H. Barnes	13
BEB	R. Berg	10

10 cm Solar Flux and American Relative Sunspot Numbers (Ra) for November 2008

10 cm source: ftp://lynx.drao.nrc.ca/pub/solar/FLUX_DATA/fluxtable/rolling.text



Smoothed Mean Sunspot Numbers (Rsm) from January 2000 to May 2008 (Waldmeier Method)

