

# Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE



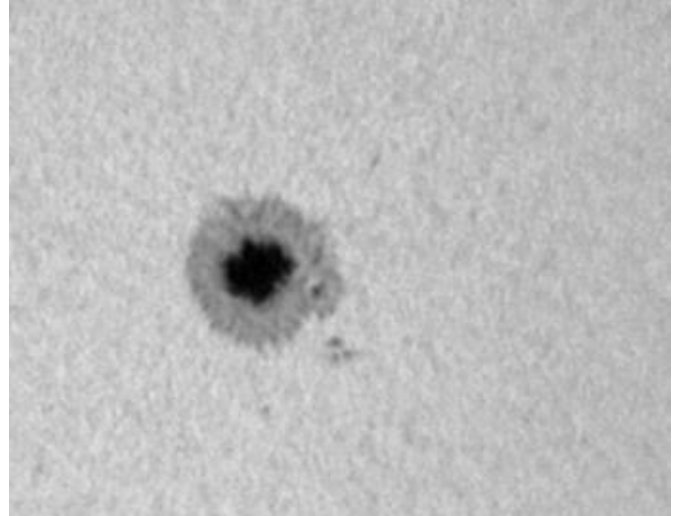
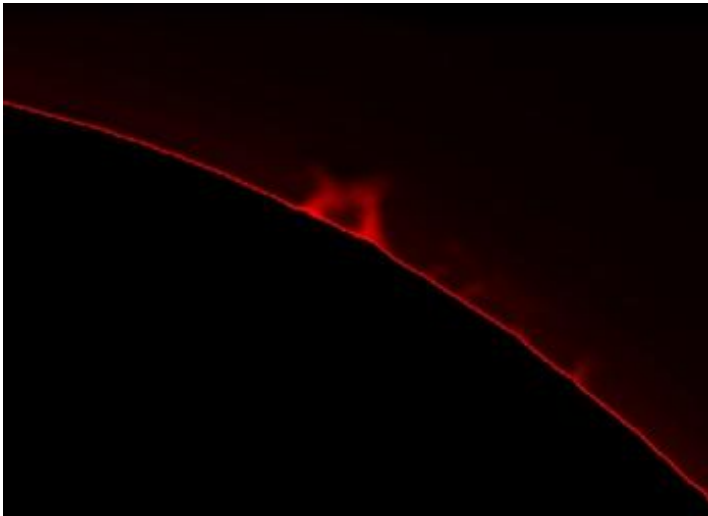
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ISSN 0271-8480

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Volume 66 Number 8

August 2010



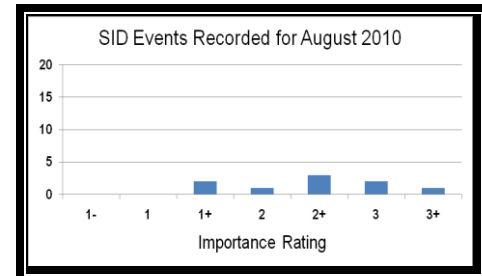
August images of solar activity include these pair by Gema Araujo of Spain. The image on left taken on August 2 at 08:25UT, and the image on right taken the same morning of the sunspot in active region 1092 at 07:51UT.

## Solar Section Chairperson Needed

It is with deep regret that after 4 years of being chair of this section I will have to step down due to increased business responsibilities and travel. A volunteer is needed to step forward and lead the combined solar group and be editor of the monthly solar bulletin. This section has a long history in contributing the monthly American Relative Sunspot Number (Ra) and the Sudden Ionospheric Disturbance (SID) solar flare radio reports. If you can spare 4 hours per month and wish to take on the leadership of this section, please contact me at [Paul@theDDO.ca](mailto:Paul@theDDO.ca) I will be available to assist in the transition over the next several months to get the new chairperson up to speed. Thank You.



# Solar Events

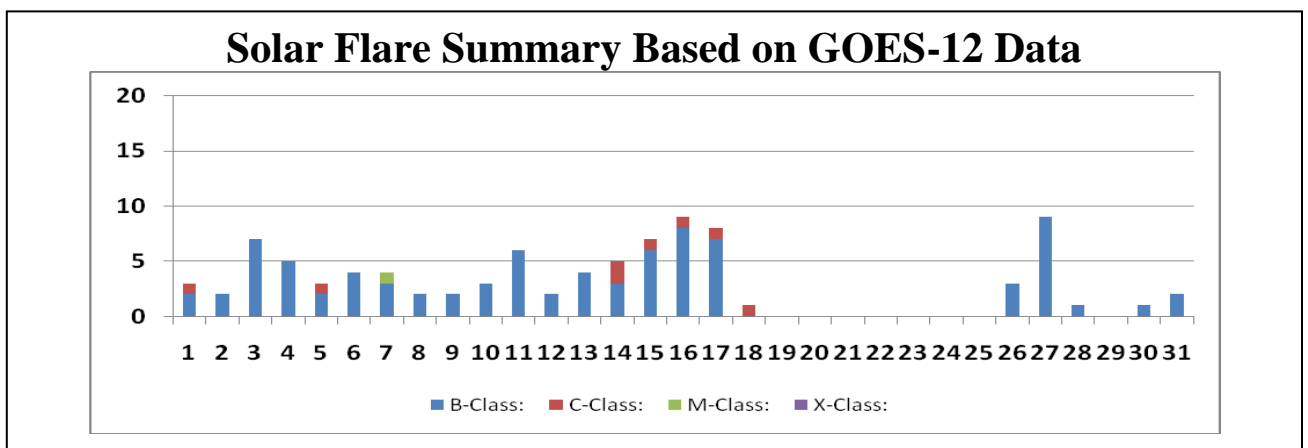


August was another slow month for SIDs. There were only 9 correlated SID events reported by observers. There were a total of 93 X-Ray flares recorded by the GOES spacecraft. 84 of these were small B class flares, 8 were C class and there was 1 M class event on the 7<sup>th</sup> of the month. Thanks to all observers who reported in.

It is with some sadness that I write this report as it will be my last report as SID Analyst. I have been at this for ten years now and with new responsibilities coming my way with my other astronomy activities I decided it was time to pass the torch. A call went out for a volunteer to take my place a number of months ago and I got a good deal of replies indicating a willingness to take on the position. I thank all of you that replied to me – I really did appreciate the positive response. One of the most promising responses came from Rodney Howe (A121) who lives in Colorado and is quite accomplished with radio astronomy type projects and SID Monitoring techniques. I decided to go with him and have been working with him for the past few months to make the transition. He is ready to start processing your monthly reports and will take over starting next month. Please send all reports to him from now on. His email address is [ahowe@frii.com](mailto:ahowe@frii.com).

It has been a pleasure working with all of you over the months and years and I will miss the friendly emails some of us have shared. I plan to continue to monitor the sun for SIDs and look forward to being just an observer now. I think the run up to solar max in the coming years will be very interesting either due to the usual increase of activity or maybe, if things continue as they have, to be part of witnessing a total lack of activity where there should be some. Either way it will be fun to be a part of actively monitoring what is going on up there on our sun. Good observing to all of you and I wish you all health and happiness.

Mike Hill, AAVSO SID Analyst (2000-2010)



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

Day	N	Raw Mean	Ra
1	25	16	11
2	25	22	15
3	28	19	13
4	24	29	21
5	30	43	32
6	29	47	34
7	31	38	29
8	22	40	30
9	22	51	37
10	27	55	40
11	27	60	<b>44</b>
12	27	30	22
13	25	32	23
14	25	33	25
15	29	36	25
16	29	35	24
17	28	23	16
18	25	15	9
19	25	5	3
20	31	3	2
21	22	1	<b>0</b>
22	22	0	0
23	24	2	0
24	27	11	8
25	26	18	13
26	25	18	12
27	29	12	9
28	28	12	9
29	27	25	18
30	29	29	21
31	30	28	21
<b>Means</b>	<b>26.5</b>	<b>25.4</b>	<b>18.2</b>

**Total Observers: 42**  
**Total Observations: 823**

Initials	Name	# of Obs.
AAP	A.Abbott	9
AAX	A.Amorim	13
AJV	J.Alonso	20
ARAG	G.Araujo	30
ASA	S.Aguirre	18
BARH	H.Barnes	11
BATR	R.Battaiola	12

BEB	R.Berg	18
BERJ	J.Berdejo	6
BRAB	B.Branchett	30
BROB	R.Brown	30
BXD	A.Burda	11
CHAG	G.Morales	30
CKB	B.Cudnik	27
CNT	D.Chantiles	10
DEMF	F.Dempsey	4
DGP	G.Dyck	25
FAM	F.Mariuzza	19
FERJ	J.Fernandez	29
FLET	T.Fleming	24
FUJK	K.Fujimori	25
HALB	B.Halls	9
HAYK	K.Hay	21
HMQ	M.Harris	5
JASK	K.Wirkus	19
KAPJ	J.Kaplan	29
KNJS	J.Knight	25
KROL	L.Krozel	1
LEVM	M.Leventhal	26
MILJ	J.Miller	17
MMI	M.Moeller	22
OATS	S.Oatney	20
OBSO	IPS.Culgoora	15
RICE	E.Richardson	23
SCGL	G.Schott	30
SIMC	C.Simpson	14
STQ	N.Stoikidis	22
TJV	J.Temprano	19
VARG	A.Vargas	27
VIDD	D.Vidican	17
WILW	W.Wilson	30
YESH	H.Yesilyaprak	31

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