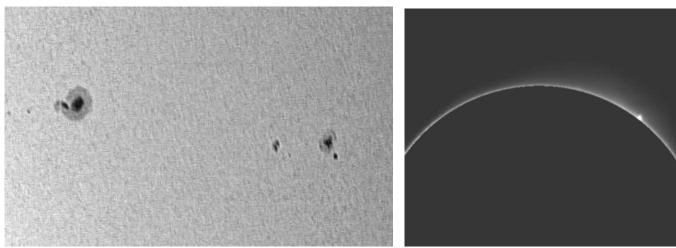
# Solar Bulletin



#### THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

Paul Mortfield, Editor c/o AAVSO, 49 Bay State Rd Cambridge, MA 02138 Web: www.AAVSO.org Email: Paul@IndustrialStars.com ISSN 0271-8480

Volume 64 Number 5 May 2008



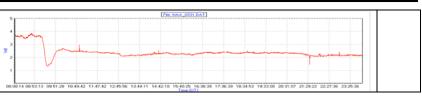
images by Laurent Corp from Rodez, France

Laurent Corp of Rodez, France took this pair of images. The white-light image on left of regions AR989, AR988 and AR987 were taken on March 29, 2008 at 14:30UT with his home made 8inch scope, stopped down to 2.4 inches with Astrosolar Baader filter and ToUCam ProII webcam. The image at right from September 16, 2007 at 13:03UT with a Coronado PST and same webcam.

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

### Sudden Ionospheric Disturbance Report

Michael Hill, SID Analyst 114 Prospect St Marlborough, MA 01752 USA noatak@aol.com



### Sudden Ionospheric Disturbances (SID) Recorded During May 2008

		(Analy	sis perforn	ned by N	Aichael Hil	l, SID A	analyst)		
Date	Max	Imp	Date	M	ax	lmp	Date	Max	lmp
					lo				
					DS				
					ected				
				Don	Jolea				
			1						
			-						
			1						

Observer	Code	Station(s) monitored	Observer	Code	Station(s) monitored
A Clerkin	A29		P Mortfield	A108	
D Toldo	A52		M Suhovecky	A115	
P King	A80		K Hubal	A117	
M Hill	A87		L Loudet	A118	
L Anderson	A91		J-P Godet	A119	
R battaiola	A96				
J Wallace	A97				
M King	A99				
F Steyn	A102				
L Observatory	A107				

The events listed above meet at least one of the following criteria

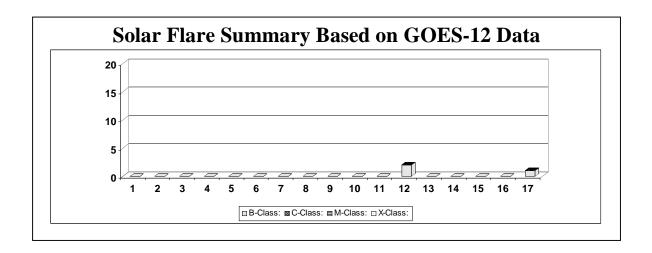
<sup>1)</sup> Event reported by two or more observers within  $\pm 5$  minutes

<sup>2)</sup> Event matched to GOES-8 XRA event to within  $\pm 15$  minutes and event time  $<1000\ UT$ 

<sup>3)</sup> reported by observer with a quality rating > 8 (scale 1-10)

# **Solar Events**

May showed no end to the inactivity that we are experiencing with the sun. There were no correlated SID events reported. In fact there were none reported at all by our observers. There were only two reported flare events noted by the GOES spacecraft and both were B-Class events. Very non energetic but a sign of activity none the less. Thanks to our observers for continued reports even in these times of little or no action.



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

Day	N	Raw Mean	Ra
1	33	1	1
2	26	0	0
3	37	0	0
4	41	7	5
5	31	3	3
6	34	0	0
7	31	0	0
8	31	0	0
9	24	0	0
10	26	0	0
11	30	0	0
12	30	0	0
13	31	2	2
14	27	0	0
15	31	10	7
16	32	19	12
17	35	15	11
18	29	19	12
19	26	20	15
20	30	9	6
21	25	2	2
22	29	0	0
23	28	0	0
24	33	0	0
25	35	1	1
26	33	0	0
27	29	0	0
28	34	0	0
29	31	0	0
30	28	0	0
31	29	0	0

Means 30.6 3.5 2.5

No. of Observers: 49

Total No. of Observations: 949

### **Reporting Addresses:**

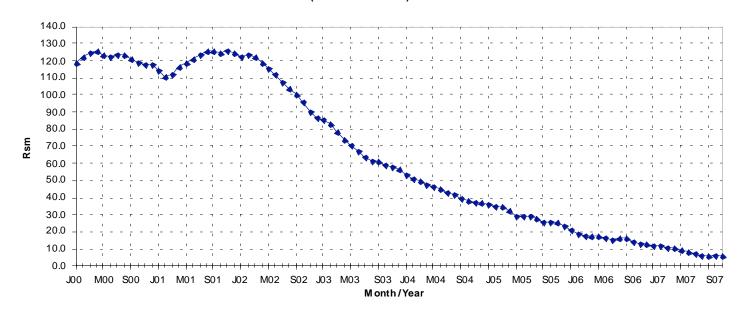
Sunspot Reports – Email: solar@aavso.org Postal Mail: AAVSO, 49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665

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

### **May 2008 Sunspot Observers**

AAP	A. Abbott	11
AJV	J. Alonso	12
ARAG	G. Araujo	31
BARH	H. Barnes	12
BATR	R. Battaiola	6
BERJ	J. Berdejo	9
BMF	M. Boschat	20
BRAB	B. Branchett	30
BRAD	D. Branchett	27
BRAR	R. Branch	25
BROB	R. Brown	25
BVC	A. Buck	31
CHAG	G. Morales	29
CKB	B. Cudnik	25
CLZ	L. Corp	11
CNT	D. Chantiles	15
COMT	T. Compton	19
DGP	G. Dyck	12
DUBF	F. Dubois	30
FERJ	J. Fernandez	9
FLET	T. Fleming	29
FUJK	K. Fujimori	21
GFT	F. Gobet	4
HAYK	K. Hay	20
HMQ	M. Harris	34
KAPJ	J. Kaplan	22
KNJS	J. & S. Knight	9
LARJ MARE	J. Larriba E. Mariani	14 6
MARJ	J. Maranon	o 23
MCE	E. Mochizuki	20
MILJ	J. Miller	17
MMI	M. Moeller	30
OATS	S. Oatney	22
RICE	E. C. Richardson	17
SCHG	G. Scholl	7
SIMC	C. Simpson	10
STEF	G. Stefanopoulis	16
STQ	N. Stoikidis	25
SUZM	M. Suzuki	22
SZUM	M. Szulc	29
TESD	D. Teske	25
TJV	J. Temprano	15
URBP	P. Urbanski	24
VARG	A. Vargas	24
VIDD	D. Vidican	15
WILW	W. Wilson	28
WRP	R. Wheeler	4
YESH	H. Yesilyaprak	28

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



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

10 cm source: http://w w w .drao.nrc.ca

