

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE



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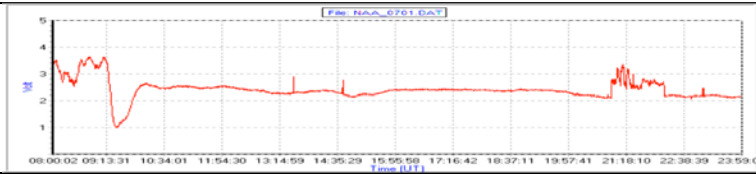
September 21, 2008

Les Cowley in the UK made this wonderful sketch of exciting prominences on September 21 at 09:20 UT

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.

Sudden Ionospheric Disturbance Report

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



Sudden Ionospheric Disturbances (SID) Recorded During August 2008

(Analysis performed by Michael Hill, SID Analyst)

Date	Max	Imp	Date	Max	Imp	Date	Max	Imp
				NO				
				SID				
				Events				

Solar Events

This month was a repeat of last month. There were 0 Correlated SID events this month. There were also no X-Ray Flares detected by the GOES 12 satellite. The observer list continues to shrink but I thank those of you who continue to monitor for those now elusive flare events. Be patient and keep looking.

Importance rating:	Duration (min)	1-: <19	1: 19-25	1+: 26-32	2: 33-45	2+: 46-85	3: 86-125	3+: >125
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Observer	Code	Station(s) monitored	Observer	Code	Station(s) monitored
L Anderson	A91				
R Battaiola	A96				
J Wallace	A97				
M King	A99				
L. Obs	A107				
P Mortfield	A108				
L Loudet	A118				
JP Godet	A119				

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

- 1) Event reported by two or more observers within ± 5 minutes
- 2) Event matched to GOES-8 XRA event to within ± 15 minutes and event time < 1000 UT
- 3) reported by observer with a quality rating > 8 (scale 1-10)

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

Day	N	Raw Mean	Ra
1	41	0	0
2	41	0	0
3	34	0	0
4	33	0	0
5	25	0	0
6	39	0	0
7	45	0	0
8	36	0	0
9	36	0	0
10	39	0	0
11	33	2	1
12	31	0	0
13	34	0	0
14	41	0	0
15	35	0	0
16	38	0	0
17	40	0	0
18	26	0	0
19	33	0	0
20	44	0	0
21	28	0	0
22	31	12	8
23	30	7	5
24	35	0	0
25	28	0	0
26	30	0	0
27	32	0	0
28	34	0	0
29	31	1	1
30	28	1	1

Means **34.4** **0.8** **0.5**

No. of Observers: 55

Total No. of Observations: 1031

Reporting Addresses:

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

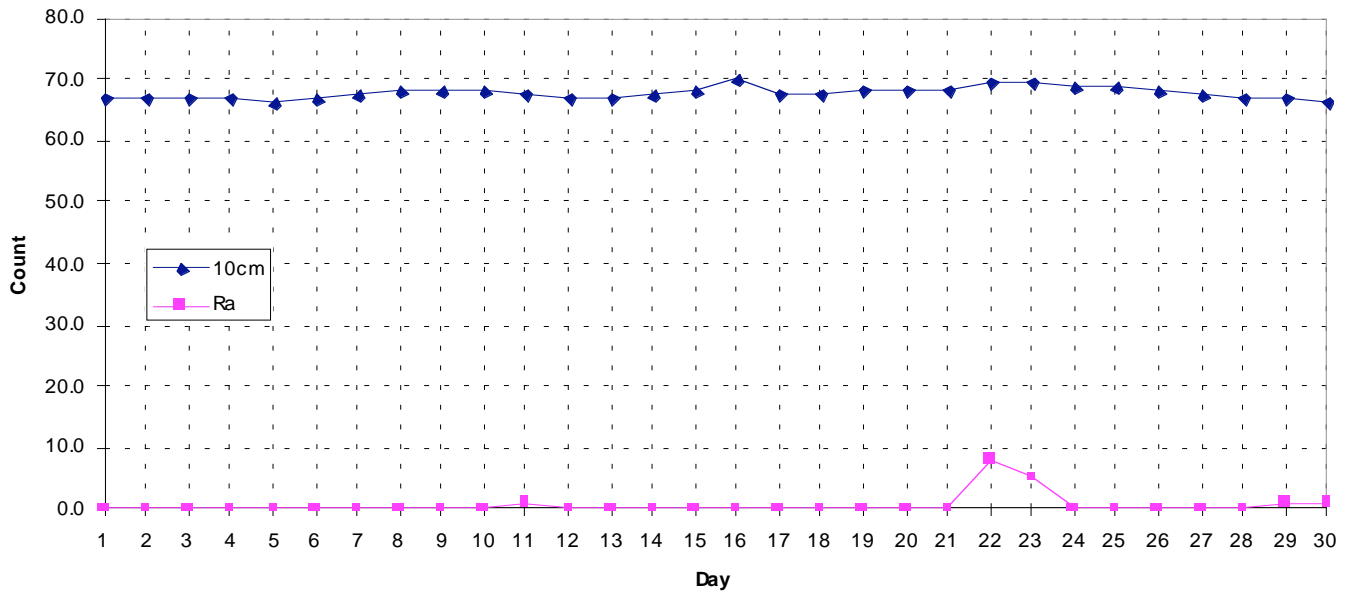
**SID Flare Reports – email: noatak@aol.com Postal Mail: Mike Hill,
114 Prospect St., Marlboro, MA, 01752**

AAP A. Abbott 14
AJV J. Alonso 23

ARAG G. Araujo 29
BARH H. Barnes 13
BATR R. Battaiola 8
BERJ J. Berdejo 16
BMF M. Boschhat 19
BRAB B. Branchett 28
BROB R. Brown 30
BVC A. Buck 30
CHAG G. Morales 30
CKB B. Cudnik 27
CLZ L. Corp 17
CNT D. Chantiles 12
COMT T. Compton 16
CR T. Cragg 23
CVJ J. Carvajal 30
DGP G. Dyck 11
DUBF F. Dubois 28
FERJ J. Fernandez 24
FLET T. Fleming 24
FUJK K. Fujimori 17
GFT F. Gobet 16
HMQ M. Harris 35
HRUT T. Hrutkay 17
JENJ J.J enkins 11
KAPJ J. Kaplan 23
KNJS J. & S. Knight 18
KROL L. Krozel 5
KUZM M. Kuzmin 4
LARJ J. Larriba 13
MARE E. Mariani 5
MARJ J. Maranon 30
MCE E. Mochizuki 22
MEU E. Mason 7
MILJ J. Miller 19
MMI M. Moeller 22
OATS S. Oatney 18
RICE E. Richardson 14
RITA A. Ritchie 9
SCGL G. Schott 26
SIMC C. Simpson 14
STEF G. Stefanopoulos 12
STQ N. Stoikidis 21
SUZM M. Suzuki 20
SZUM M. Szulc 21
TESD D. Teske 24
TJV J. Temprano 21
URBP P. Urbanski 18
VARG A. Vargas 23
VIDD D. Vidican 10
WILW W. Wilson 27
WIRP P. Wirkus 8
WRP R. Wheeler 4
YESH H. Yesilyaprak 25

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

10 cm source: <http://www.drao.nrc.ca>



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

