

# *Solar Bulletin*

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE



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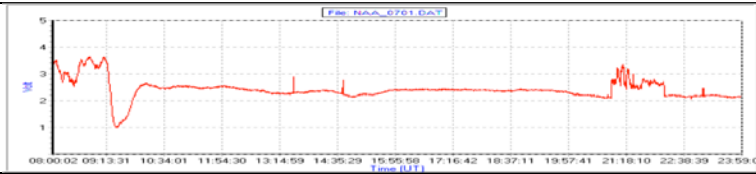
Totality – August 1, 2008

Mikhail Kuzmin of Moscow, observed the eclipse from Novosibirsk, Russia. More of his images are on the last page of this issue.

Solar activity continues to be very very very low as you can see from the number of days of zero sunspots or radio activity. Thanks 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

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## 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 be small but I thank those of you who continue to monitor for those now elusive flare events. If nothing else this is good time to work on your equipment and and keep things ready for when the sun does once again become active.

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
A Clerkin	A29		JP Godet	A119	
D Toldo	A52				
P King	A80				
R Battaola	A96				
J Wallace	A97				
M King	A99				
L. Obs	A107				
P Mortfield	A108				
M Suhovecky	A115				
L Loudet	A118				

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

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

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

Day	N	Raw Mean	Ra
1	38	0	<b>0</b>
2	37	0	0
3	41	0	0
4	34	0	0
5	26	0	0
6	37	0	0
7	30	0	0
8	33	0	0
9	38	0	0
10	31	0	0
11	31	0	0
12	26	0	0
13	38	0	0
14	32	0	0
15	32	0	0
16	33	0	0
17	41	0	0
18	30	0	0
19	28	0	0
20	33	0	0
21	38	2	<b>2</b>
22	33	3	2
23	30	0	0
24	45	0	0
25	33	0	0
26	33	0	0
27	32	0	0
28	30	0	0
29	31	0	0
30	35	0	0
31	39	0	0

Means      **33.8**      **0.2**      **0.2**

No. of Observers: 52

Total No. of Observations: 1048

**Reporting Addresses:**

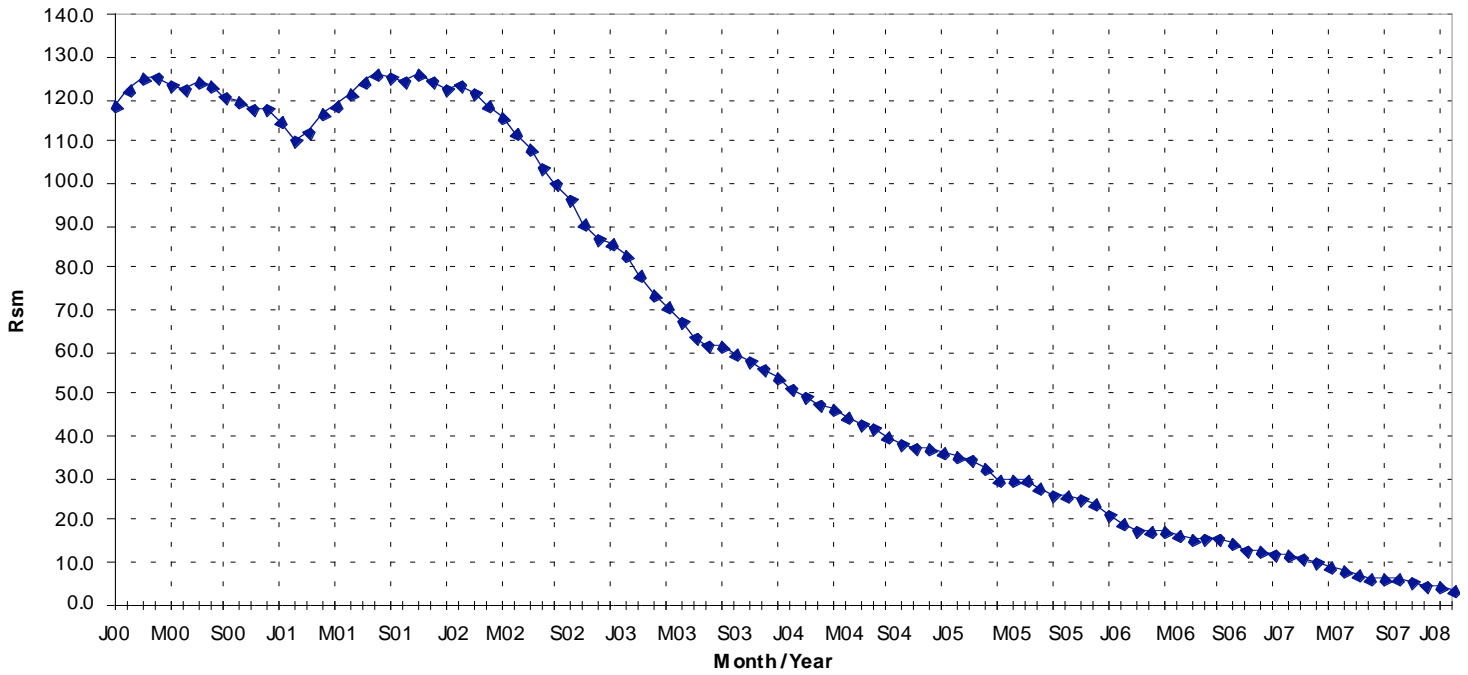
**Sunspot Reports – Email: solar@aavso.org Postal Mail: AAVSO,  
49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665**

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

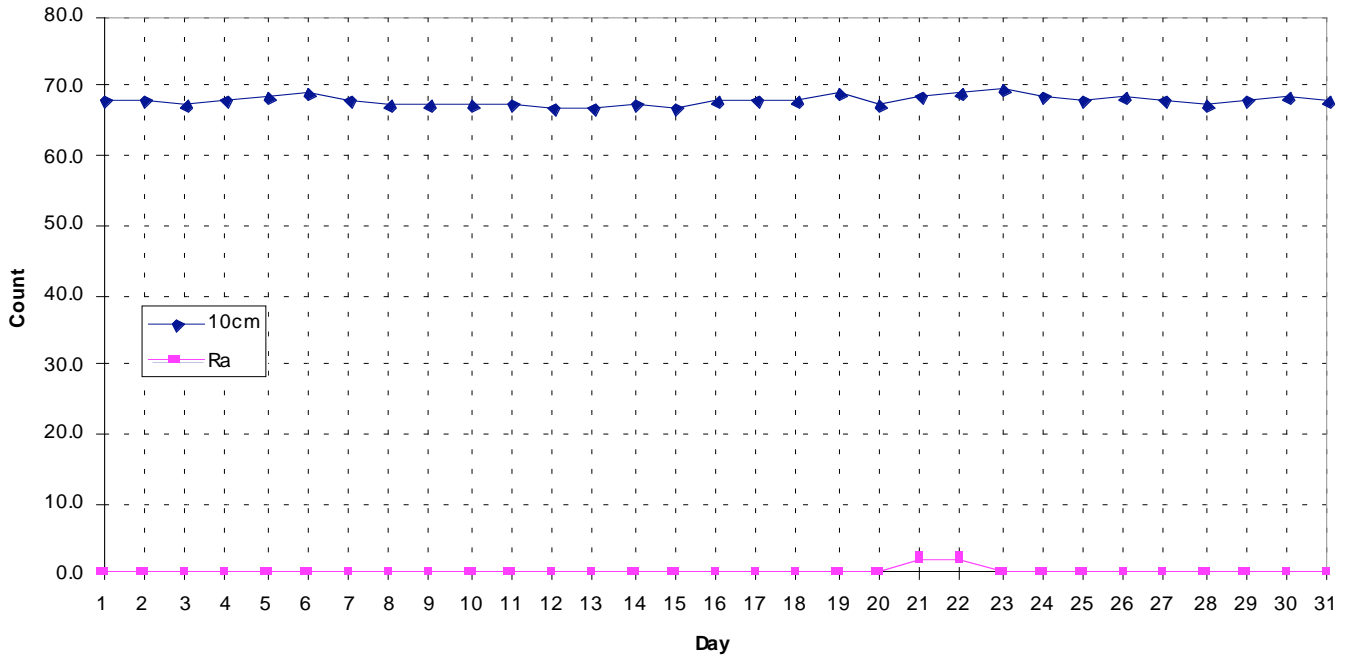
**August 2008 Sunspot Observers**

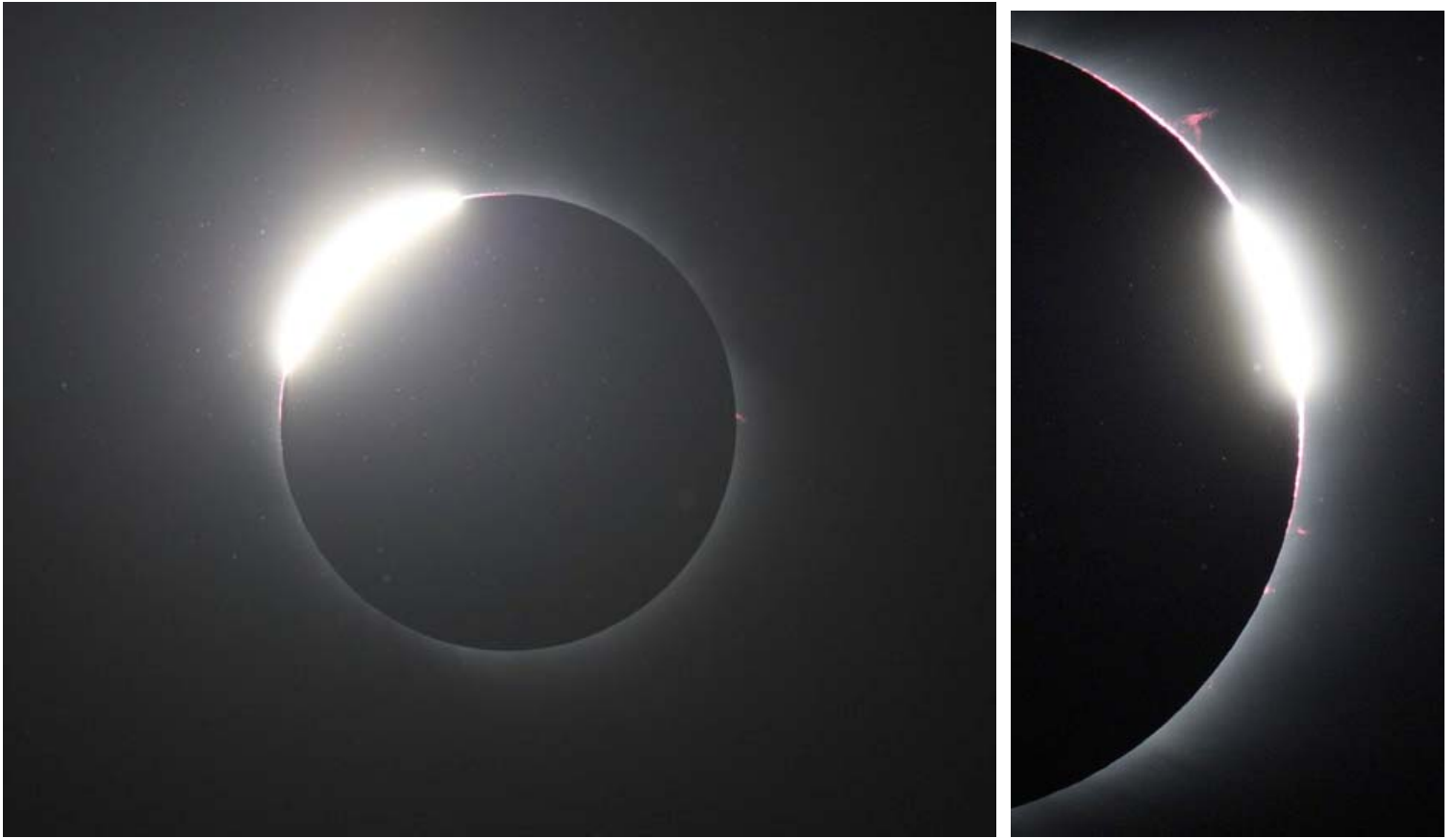
A. Abbott	AAP	22
J. Alonso	AJV	17
G. Araujo	ARAG	31
H. Barnes	BARH	10
J. Berdejo	BERJ	8
M. Boschat	BMF	10
D. Branchett	BRAD	4
R. Brown	BROB	31
A. Buck	BVC	31
G. Morales	CHAG	30
B. Cudnik	CKB	24
C. Laurent	CLZ	20
D. Chantiles	CNT	14
T. Compton	COMT	20
J. Carvajal	CVJ	62
F. Dubois	DUBF	26
J. Fernandez	FERJ	18
T. Fleming	FLET	25
K. Fujimori	FUJK	23
F. Gobet	GFT	12
K. Hay	HAYK	25
M. Harris	HMQ	21
T. Hrutkay	HRUT	23
J. Kaplan	KAPJ	25
J. & S. Knight	KNJS	20
L. Krozel	KROL	1
M. Kuzmin	KUZM	7
J. Larriba	LARJ	10
E. Mariani	MARE	8
J. Maranon	MARJ	31
E. Mochizuki	MCE	23
E. Mason	MEU	3
J. Miller	MILJ	13
M. Moeller	MMI	16
S. Oatney	OATS	12
E. Richardson	RICE	17
A. Ritchie	RITA	15
G. Schott	SCGL	27
C. Simpson	SIMC	9
G. Stefanopoulos	STEF	26
N. Stoikidis	STQ	30
M. Suzuki	SUZM	26
M. Szulc	SZUM	20
D. Teske	TESD	23
J. Temprano	TJV	27
P. Urbanski	URBP	29
A. Vargas	VARG	30
D. Vidican	VIDD	16
W. Wilson	WILW	23
P. Wirkus	WIRP	18
R. Wheeler	WRP	5
H. Yesilyaprak	YESH	31

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



10 cm Solar Flux and American Relative Sunspot Numbers (Ra) for August 2008  
10 cmsource: <http://www.drao.nrc.ca>





August 1, 2008 Total Eclipse by Mikhail Kuzmin, photographed from Novosibirsk, Russia

