

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR COMMITTEE

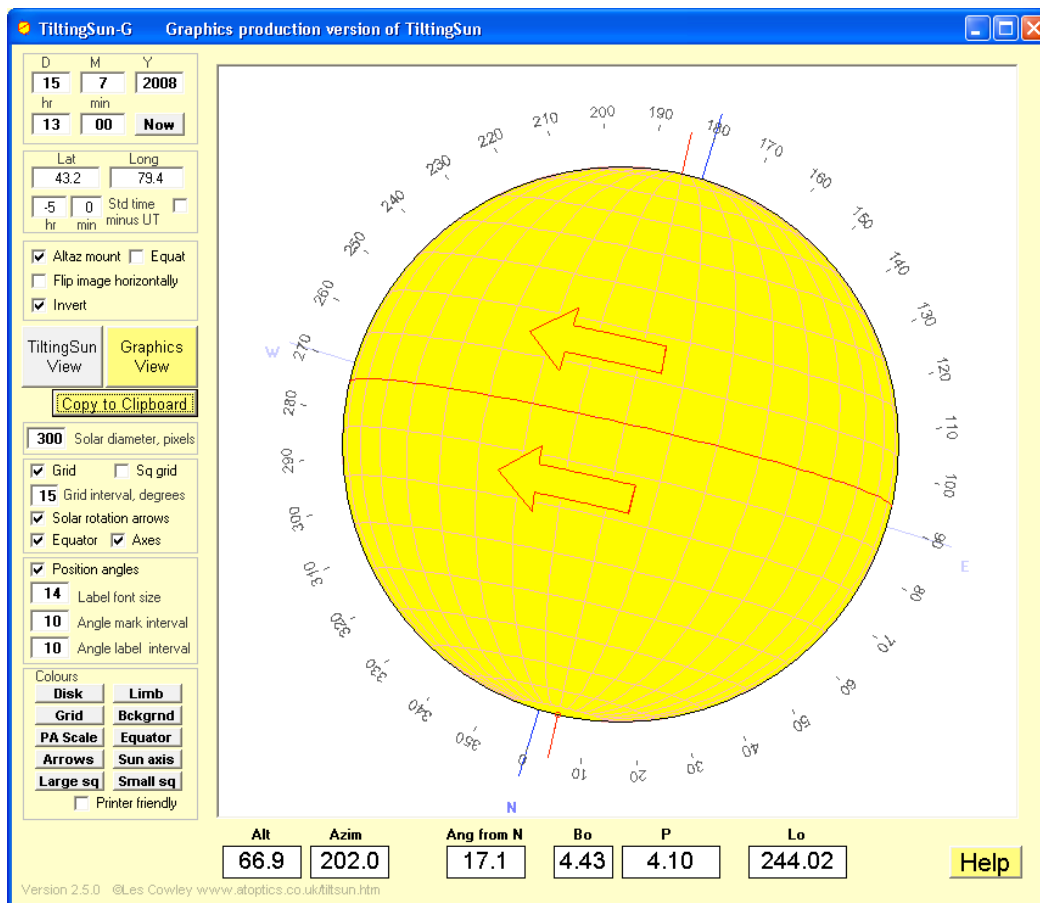


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Tilting Sun by Les Cowley

Les Cowley created this useful program called Tilting Sun. Enter you location and time and it creates an image of the sun taking into account P, Lo, Bo for either Alt-Az or Equatorial mounted scopes. I found it so convenient that his default location is set to Toronto. Thanks Les. You can grab the program at www.atoptics.co.uk

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

Solar Events

I think the chart below, or lack thereof, speaks for itself. June was a month with not even one X-Ray flare detected by the GOES satellite. There were no correlated SID events detected for the month as would be expected. There is certainly talk now that something odd is up with the sun given the long duration of the absolute minimum conditions we have been experiencing. I have read one article by a solar scientist, however, that purports that given the range of minimums experienced over the years this is a longer than usual minimum but not out of the range or normal – at least not yet. Our observations certainly tell the story and will continue to do so. The longer it goes the closer we will be to an abnormal solar minimum. But for now we should not get too concerned and hopefully in the coming months, there will be some activity worth monitoring.

Solar Flare Summary Based on GOES-12 Data

There were no X-Ray Flares Detected in June

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

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

Means 31.2 4.1 3.0

No. of Observers: 49

Total No. of Observations: 949

Reporting Addresses:

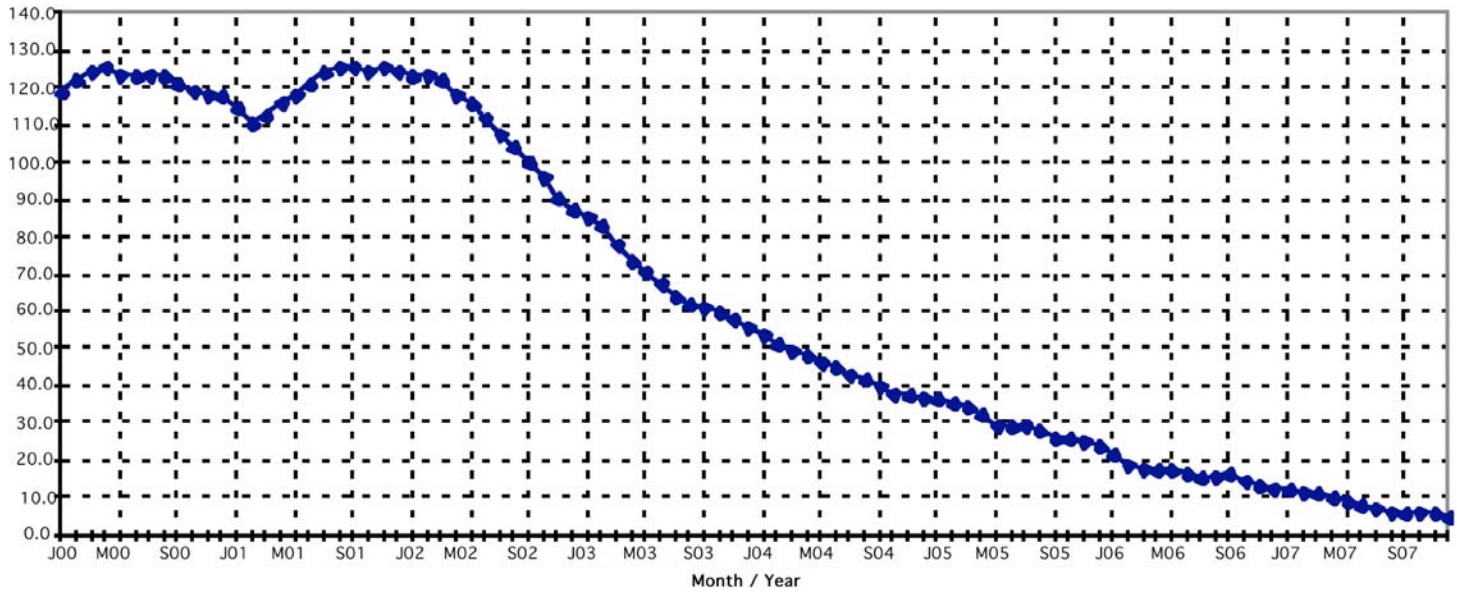
Sunspot Reports – Email: solar@aavso.org Postal Mail: AAVSO,
49 Bay State Rd. Cambridge, MA, 02138 Fax: 617-354-0665

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

June 2008 Sunspot Observers

AAP	A. Abbott	17
AJV	J. Alonso	25
ARAG	G. Araujo	30
BARH	H. Barnes	9
BERJ	J. Berdejo	12
BMF	M. Boschhat	12
BRAB	B. Branchett	30
BRAD	D. Branchett	13
BRAR	R. Branch	27
BROB	R. Brown	30
BVC	A. Buck	30
CHAG	G. Morales	29
CKB	B. Cudnik	27
CLZ	L. Corp	15
CNT	D. Chantiles	14
COMT	T. Compton	12
DGP	G. Dyck	14
DUBF	F. Dubois	27
FERJ	J. Fernandez	15
FLET	T. Fleming	18
FUJK	K. Fujimori	21
GFT	F. Gobet	4
HAYK	K. Hay	9
HMQ	M. Harris	18
KAPJ	J. Kaplan	17
KNJS	J. & S. Knight	12
LARJ	J. Larriba	18
MARJ	J. Maranon	28
MCE	E. Mochizuki	20
MEU	E. Mason	7
MILJ	J. Miller	21
OATS	S. Oatney	25
OBSO	IPS Observatory	16
RICE	E. C. Richardson	19
SCGL	G. Schott	26
SIMC	C. Simpson	10
STEF	G. Stefanopoulos	12
STQ	N. Stoikidis	29
SUZM	M. Suzuki	21
SZUM	M. Szulc	23
TESD	D. Teske	27
TJV	J. Temprano	14
URBP	P. Urbanski	30
VARG	A. Vargas	27
VIDD	D. Vidican	14
WILW	W. Wilson	30
WRP	R. Wheeler	5
YESH	H. Yesilyaprak	26

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



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

