

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS— SOLAR DIVISION

Peter O. Taylor, Editor
 P.O. Box 8115
 Gainesville, FL 32605-8115 USA



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Relative Sunspot Numbers For March 1988

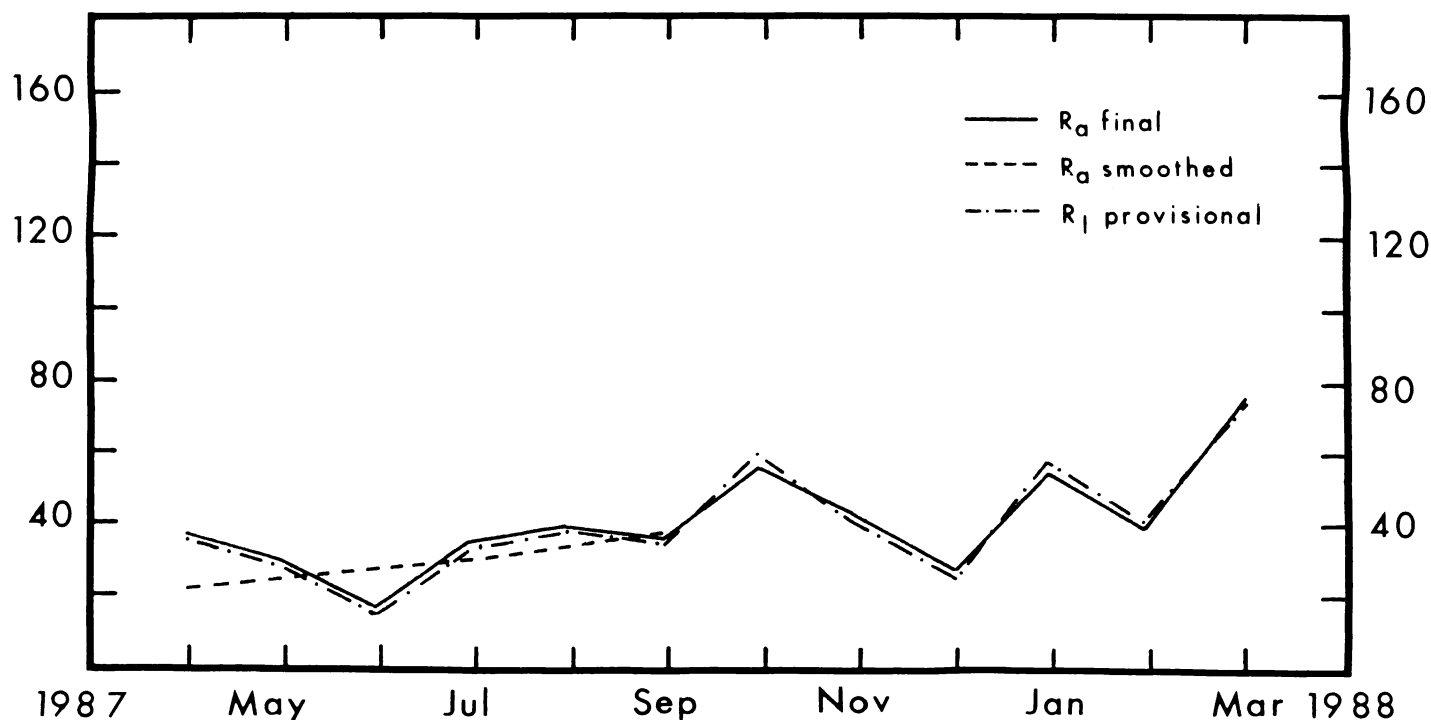
R _a Final						R ₁ Provisional*					
1)	70	11)	22	21)	82	1)	68	11)	20	21)	81
2)	70	12)	45	22)	79	2)	66	12)	39	22)	76
3)	68	13)	54	23)	81	3)	72	13)	53	23)	74
4)	72	14)	58	24)	89	4)	77	14)	62	24)	83
5)	70	15)	58	25)	94	5)	59	15)	63	25)	92
6)	63	16)	82	26)	98	6)	61	16)	78	26)	89
7)	68	17)	91	27)	100	7)	65	17)	99	27)	103
8)	69	18)	97	28)	111	8)	67	18)	88	28)	109
9)	56	19)	99	29)	105	9)	49	19)	105	29)	104
10)	34	20)	87	30)	110	10)	36	20)	85	30)	108
				31)	120					31)	120
Mean = 77.5						Mean = 75.8					

The smoothed-mean American Relative Sunspot Number for September 1987 is 38.5, calculated according to the method of Waldmeier.

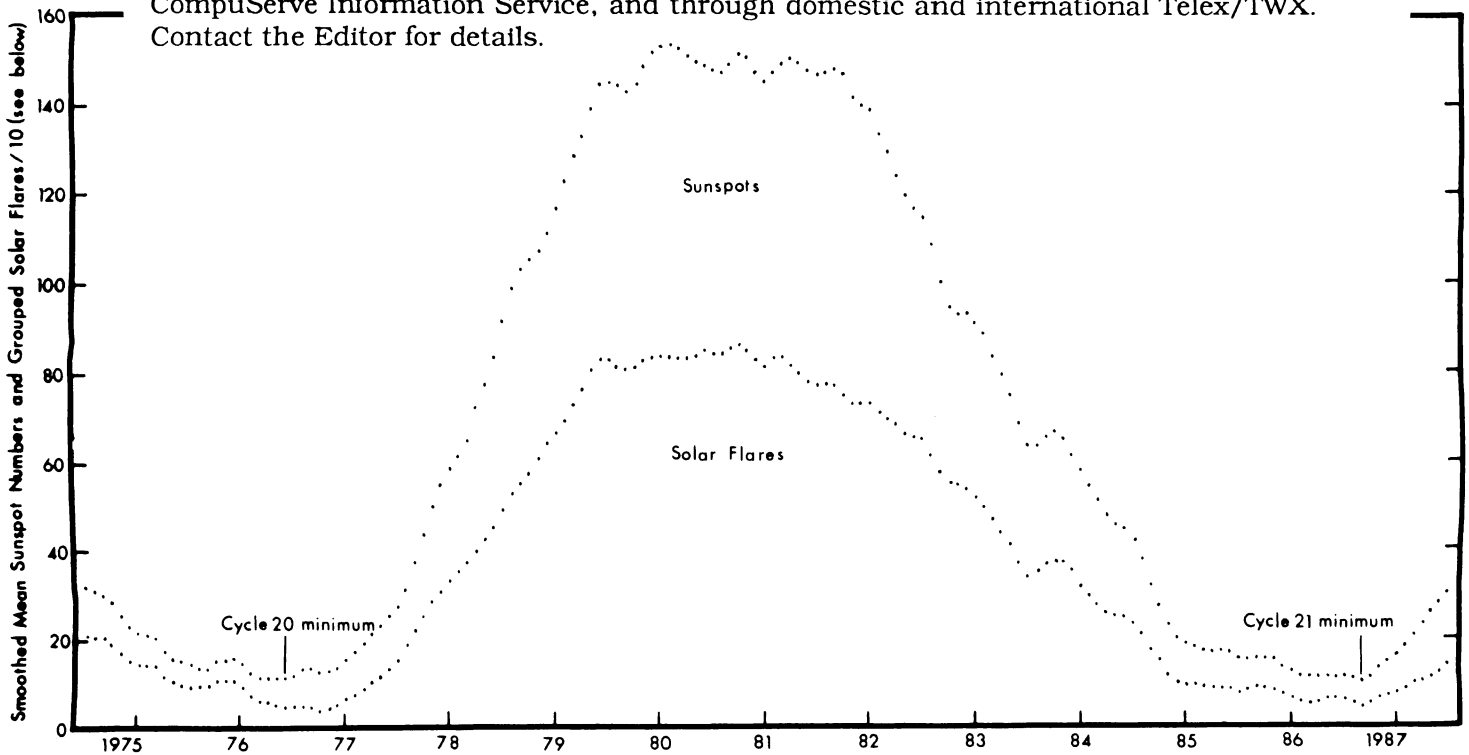
R_a final was computed from the reports of fifty-seven members of the international network of American Sunspot Program contributors.

Note: The Estimated American Sunspot Number for April 1-21 is 103.

*Sunspot Bulletin, 1988, No. 3.



The American Sunspot Number and related information is available through the CompuServe Information Service, and through domestic and international Telex/TWX. Contact the Editor for details.



**Smoothed Monthly Mean Values of American Sunspot Numbers(SSN)
and
Smoothed Monthly Counts of Grouped Solar Flares(SGF)/10
(July 1974 - July 1987)**

A comparison of the two sets of values using the method of linear regression (correlation coefficient = .998) produces the relation:

$$SGF/10 = INT (-.697 + .558 SSN).$$

Note: When solar flares are grouped**, the same event monitored by differing sources is counted as one. Group totals after June 1982 are preliminary. Values for 1987 are especially subject to significant change.

****Solar Geophysical Data, 522, Part II, p14.**

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Sudden Ionospheric Disturbances Recorded During March 1988
Records were received from A1,3,19,26,46,49,50,59

Day	Max(UT)	Imp	Def	Observer(s)	Day	Max(UT)	Imp	Def	Observer(s)
7	14:52	1-	5	19	17	16:37	1	5	1,3,26,59
12	15:15	2	5	3,19,26,46,49,59	17	17:30	1	5	1,59
14	16:30	2	5	3,19,26,46,59	17	18:49	1	5	3,59
15	08:40	2	5	52	17	20:52	2	5	1,3,19,26,46,49,59
15	09:42	1	5	52	18	09:57	1	5	52
15	11:51	1	5	19,46,52,59	20	13:21	1	5	1,3,19,26,49,50,59
15	13:32	1+	5	1,19,49,59	20	15:45	2+	5	1,3,19,26,46,50,59
15	14:47	2	5	1,3,19,46,49,59	20	16:58	1-	5	1,3,50,59
15	15:45	1	5	1,59	20	17:45	1	5	1,3,49,59
15	16:18	2+	5	1,3,19,46,49,59	20	21:17	2	5	1,3,19,26,49,50,59
15	17:10	2	5	19,46,49,59	21	15:43	1+	5	1,3,19,49,50,59
15	22:18	1+	5	3,19,46,49,59	22	20:55	2	5	1,19,26,46,49,50
16	04:15	2	5	52	23	20:20	2	5	3,19,50,59
16	05:46	1	5	52	23	21:46	1	5	26,49,50,59
16	13:30	1-	5	19,59	24	10:16	1+	5	52
16	13:46	1-	5	1,3,19,59	24	14:01	2	5	1,3,19,26,49,59
16	14:05	2	5	1,3,19,46,49,59	24	16:31	2	5	3,19,49,50,59
16	15:22	1	5	1,3,59	24	17:28	1+	5	3,49,50,59
16	15:47	2+	5	1,3,19,46,59	24	18:32	1+	5	49,50,59
16	18:42	1-	5	1,59	24	19:37	1	5	3,19,26,50,59
16	18:50	2+	5	1,3,19,46,49,59	24	20:13	1-	5	3,26,59
16	19:38	1	5	3,59	24	20:33	1	5	59
16	20:41	1-	5	1,3,19,46,59	24	21:42	1	5	3,19,49,50,59
16	21:34	1+	5	1,3,19,46,59	25	05:12	2+	5	52
17	04:07	1+	4	52	25	11:11	1-	5	52
17	05:19	1-	5	52	25	16:13	1	5	59
17	10:47	1+	5	52	25	21:44	2	5	3,19,26,49,50,59
17	12:10	2	5	1,19,26,49,59					

SID Analyst: Bruce Wingate