

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION

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Relative Sunspot Numbers For February 1983

R _a final			*R _I prov.		
1) 99	11) 23	21) 39	1) 94	11) 21	21) 39
2) 99	12) 19	22) 34	2) 85	12) 18	22) 29
3) 90	13) 9	23) 41	3) 88	13) 11	23) 40
4) 97	14) 9	24) 57	4) 94	14) 10	24) 44
5) 87	15) 13	25) 68	5) 82	15) 26	25) 61
6) 81	16) 17	26) 77	6) 71	16) 17	26) 70
7) 74	17) 29	27) 90	7) 72	17) 22	27) 88
8) 59	18) 34	28) 105	8) 63	18) 32	28) 98
9) 42	19) 34		9) 39	19) 33	
10) 32	20) 37		10) 23	20) 32	

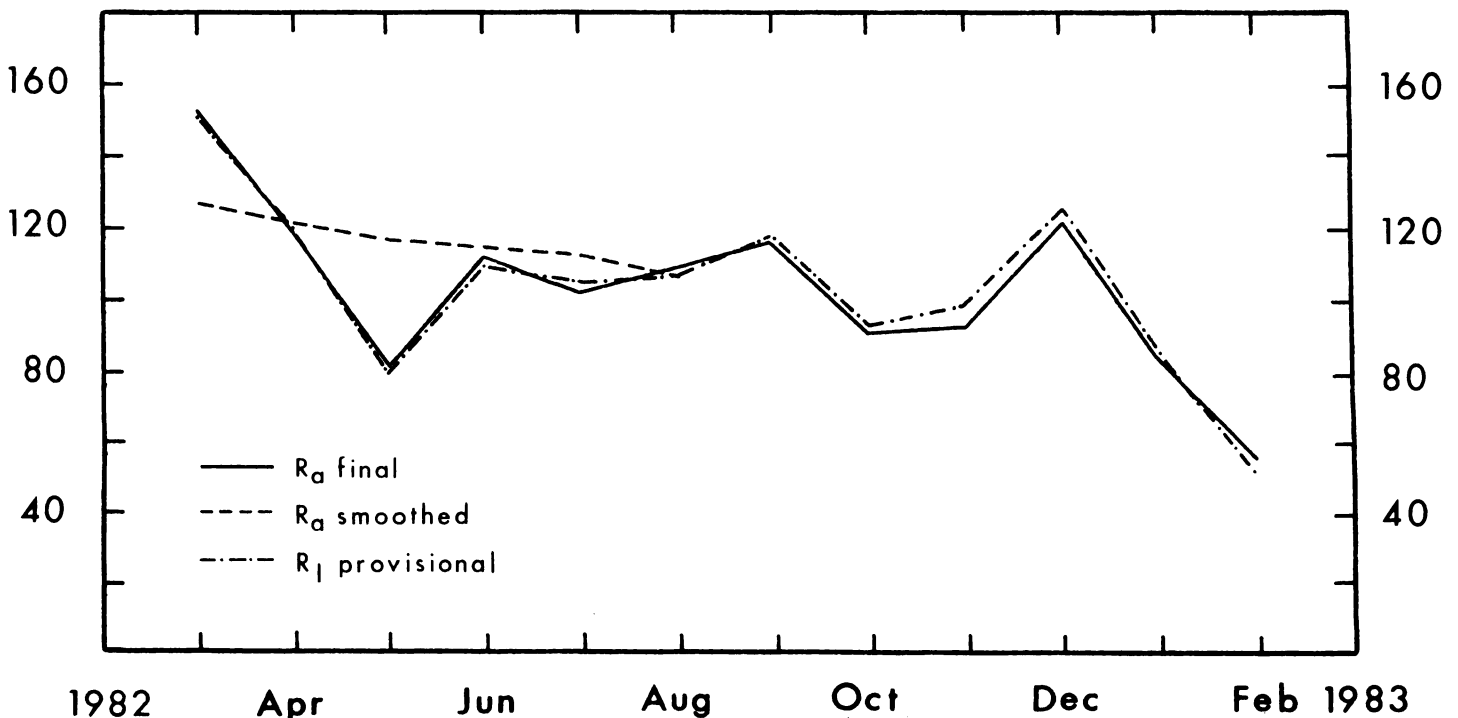
Mean = 53.4

Mean = 50.1

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 The smoothed mean American relative sunspot number (Waldmeier equation) is 108.4
 for August 1982.

R_a final was computed from the reports of 31 members of the AAVSO international
 sunspot-observer network.

*Sunspot Bulletin, 1983, No. 2.



Sudden Ionospheric Disturbances Recorded During February 1983

Records were received from A1, 9, 19, 26, 28, 31, 46, 49, 50, 51, 52, 54, 55, 56

Day	Max	Imp	Def	Observers
1	19:11	1	5	A19,31,46,49,50,54
3	06:07	2	5	A52,56
3	18:41	1	5	A1,19,31,46,51
4	18:06	1	5	A1,9,19,26,31,50,51,54,56
4	18:55	1-	5	A19,31
4	19:15	1+	5	A19,51
5	07:09	1-	5	A52
5	09:42	1	5	A52
5	13:28	1-	5	A19,49
5	17:51	1	5	A1,9,19,26,28,31,46,50,51
5	19:10	1-	4	A19,31,54
6	05:22	1-	5	A52
6	13:57	2	5	A49,51
8	18:00	1	5	A19,31,51,54,56
9	06:15	2	4	A52
9	17:50	1-	5	A1,19,51
9	20:32	2	5	A9,26,31,51,54,56
10	17:53	2	5	A1,19,31,51,56
10	22:46	1+	5	A19,31,56
11	08:15	1-	5	A52
11	14:52	1	5	A49,51
11	18:20	1-	5	A19,56
11	20:55	1+	5	A31,56
12	18:52	1	5	A31,56
13	21:29	1+	5	A1,19,31,46,56
17	18:27	1+	5	A19,31,55,56
19	13:25	1	5	A1,19
20	20:19	1	5	A1,9,31,54
22	19:39	2	5	A1,9,19,31,46,49,50,51,54,55,56
23	16:23	1+	5	A19,31,56
23	21:10	1-	5	A31,55,56
24	19:00	1-	5	A1,26,46,51,55,56
25	15:25	1	5	A19,56
25	20:43	1-	5	A1,19,50,51,55,56
27	22:03	1-	5	A31,55
28	23:00	1-	5	A55

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