

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION

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Volume 40

Number 2

February 1984

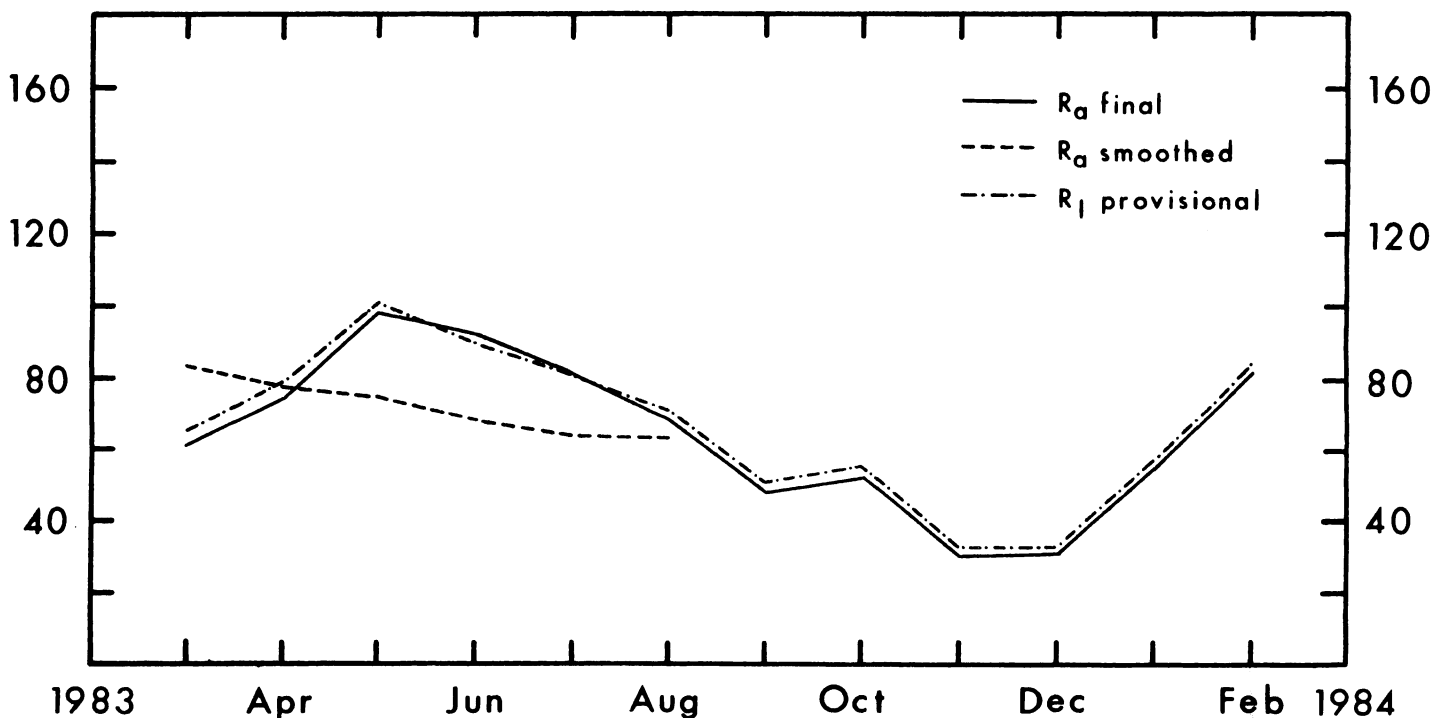
Relative Sunspot Numbers For February 1984

R _a final			*R _I prov.		
1) 98	11) 120	21) 80	1) 110	11) 118	21) 76
2) 80	12) 115	22) 95	2) 82	12) 108	22) 100
3) 63	13) 100	23) 103	3) 61	13) 82	23) 121
4) 62	14) 77	24) 114	4) 61	14) 77	24) 113
5) 64	15) 72	25) 108	5) 66	15) 80	25) 117
6) 77	16) 46	26) 93	6) 76	16) 53	26) 101
7) 75	17) 38	27) 71	7) 79	17) 51	27) 78
8) 84	18) 46	28) 73	8) 84	18) 50	28) 78
9) 106	19) 52	29) 78	9) 110	19) 57	29) 88
10) 117	20) 57		10) 120	20) 54	

Mean = 81.5

Mean = 84.5

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 : The smoothed mean American relative sunspot number (Waldmeier equation) is 63.4 for :
 : August 1983.
 : R_a final was computed from the reports of 38 members of the AAVSO international
 : sunspot-observer network.
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 : *Sunspot Bulletin, 1984, No. 2.
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Sudden Ionospheric Disturbances Recorded During February 1984

Records were received from A1, 9, 19, 26, 28, 46, 50, 58

Day	Max	Imp	Def	Observers	Day	Max	Imp	Def	Observers
1	20:00	3+	5	A1, 26, 50	18	07:43	2	5	A58
2	04:45	2+	5	A58	18	12:40	1-	5	A1, 19, 46
2	09:52	1	5	A58	18	13:06	1-	5	A1
2	16:55	2	5	A1, 19, 26, 28, 46, 50	18	13:22	1-	5	A1, 19, 28
2	18:45	2+	5	A19, 26, 28	18	13:58	2	5	A1, 19, 26, 28, 46
3	04:07	1	5	A58	18	14:33	1	5	A1, 46
3	11:21	1-	5	A58	18	15:35	1-	5	A1, 19, 26, 46
3	14:34	2	5	A1, 19, 26, 50, 58	18	16:10	2+	5	A1, 19, 26, 28, 46, 50
3	15:15	2+	5	A1, 19, 26, 50, 58	18	17:12	1	5	A1
3	18:21	1	5	A1, 19, 26, 50	18	19:44	1-	5	A1, 26, 50
3	19:38	2	5	A1, 9, 26, 28, 50	19	12:52	1-	5	A1, 46
3	20:45	2+	5	A1, 9, 26, 28, 50	19	13:43	1-	5	A1, 19, 46
4	18:01	2	5	A1, 9, 19, 26, 28, 46, 50	19	14:08	1-	5	A1, 19, 46
4	21:48	2	5	A9, 26, 50	19	14:38	1-	5	A1, 26
5	22:01	1+	5	A50	19	18:34	1	5	A1, 19, 26, 46, 50
7	08:49	1	5	A58	20	13:12	1-	4	A1
7	10:30	1-	5	A58	20	14:06	1-	4	A19
7	22:43	1+	5	A50	20	16:02	1-	5	A1, 19
8	07:45	2+	5	A58	20	19:26	1-	5	A1, 19, 26, 46, 50
8	08:30	1-	5	A58	21	10:46	1-	5	A58
8	14:22	1-	5	A1, 26, 50, 58	21	13:37	1-	5	A1, 19, 46
8	16:02	1	5	A1, 9, 19, 26, 46, 50, 58	21	13:53	2	5	A1, 19, 46
8	18:43	1	5	A1, 9, 19, 26, 28, 46, 50	22	08:10	1+	5	A58
8	21:14	2	5	A50	22	14:30	1	5	A1, 19
9	17:03	1	5	A1, 19, 26, 28, 46	22	14:43	1	5	A1, 19, 26, 28
10	10:32	1	5	A58	22	20:40	1+	5	A1, 9, 19, 26, 28, 46, 50
10	14:32	1+	5	A1, 26, 28, 46, 58	23	13:16	1+	5	A1, 19
10	15:47	1	5	A1, 26	24	14:03	2+	5	A1, 19
10	17:19	2	5	A1, 19, 26	24	17:55	2	5	A1, 9, 19, 26, 28, 50
10	18:06	1-	5	A1, 19, 26	24	19:03	2	5	A1, 19, 26
10	18:55	2	5	A1, 19, 26	25	17:29	3	5	A1, 19, 26, 50
10	20:48	1	5	A1, 26	25	19:07	1	5	A1
10	22:48	2+	5	A9	26	12:43	1	5	A1, 26, 46
11	14:26	1	5	A1, 19, 26, 46	26	19:10	2	5	A1, 19, 26, 46
11	15:01	1	5	A1, 19	27	08:50	2	5	A58
11	17:46	3	5	A1, 9, 19, 26, 46	27	15:17	2	5	A19, 26, 50
11	20:31	2+	5	A1, 9, 19, 26	27	17:35	1	5	A19, 26, 50
11	22:58	2	5	A9	27	21:10	2	5	A1, 9, 19, 26, 28, 50
12	09:16	1+	5	A58	28	20:57	1	5	A1, 9, 50
12	15:11	2+	5	A1, 19, 26, 28, 46	28	22:07	1-	5	A50
12	17:09	1-	5	A1	28	22:21	2+	5	A50
12	18:03	1+	5	A1	29	16:30	1-	5	A26
12	19:27	1	5	A1, 26	29	18:01	1	5	A1, 9, 19, 26, 28, 46
14	19:12	1-	5	A1	29	19:23	1	5	A1, 26
16	17:02	2	5	A1, 19, 26, 28, 46	29	21:18	1-	4	A26
17	06:15	2	5	A58	29	21:33	1-	4	A26
17	13:37	1-	5	A1, 19, 26, 28	29	21:46	2	5	A1, 9, 19, 26, 28, 46, 50
17	17:21	1	5	A1, 19, 26	29	22:35	1-	5	A50
17	18:38	1	5	A19, 26					
17	19:54	2	5	A1, 19, 26, 28, 46, 50					