

# Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION

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## Relative Sunspot Numbers For March 1983

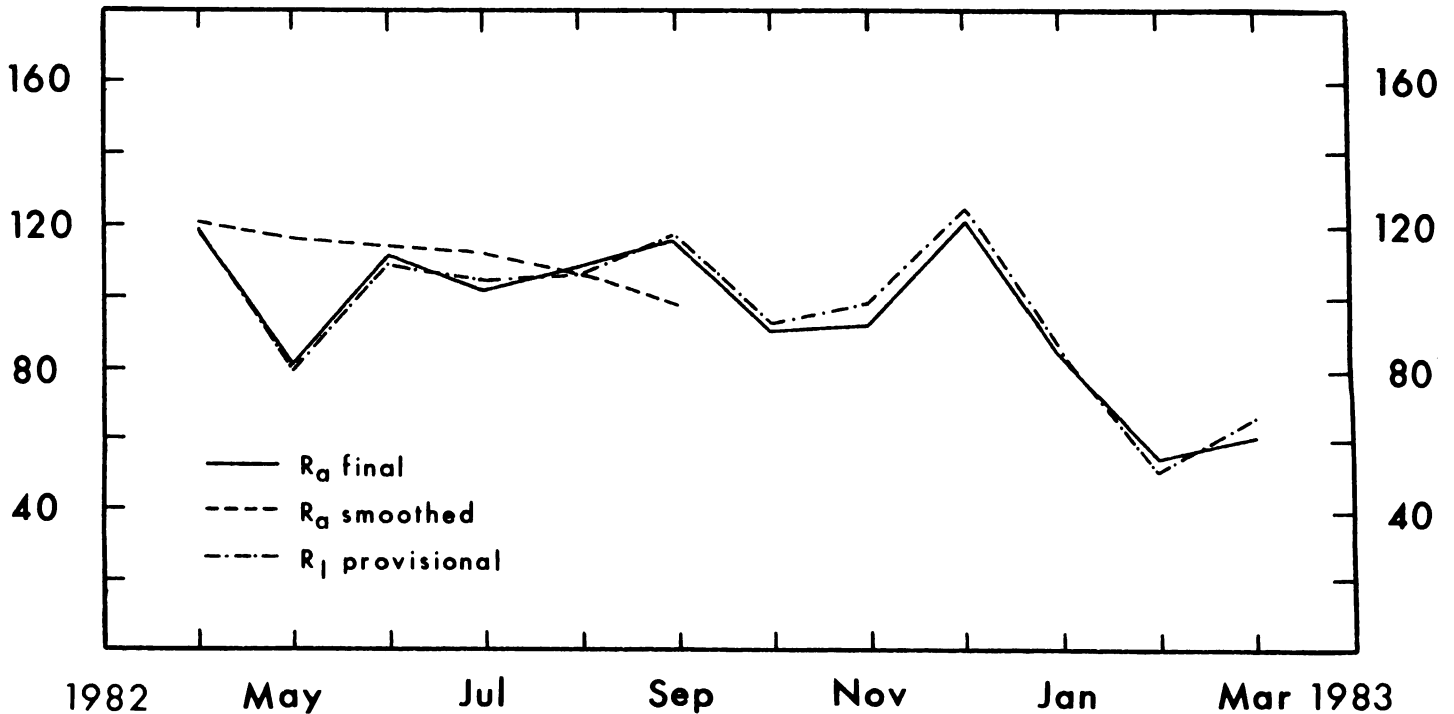
$R_a$ final			$*R_I$ prov.		
1) 96	11) 46	21) 75	1) 109	11) 49	21) 83
2) 78	12) 25	22) 65	2) 93	12) 32	22) 70
3) 81	13) 10	23) 58	3) 86	13) 12	23) 63
4) 93	14) 21	24) 54	4) 93	14) 24	24) 60
5) 100	15) 47	25) 47	5) 108	15) 44	25) 48
6) 83	16) 59	26) 65	6) 82	16) 63	26) 70
7) 67	17) 70	27) 60	7) 77	17) 74	27) 72
8) 57	18) 80	28) 43	8) 68	18) 83	28) 48
9) 69	19) 78	29) 42	9) 74	19) 82	29) 50
10) 53	20) 80	30) 38	10) 55	20) 82	30) 72
		31) 34			31) 37

Mean = 60.5

Mean = 66.5

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: The smoothed mean American relative sunspot number (Waldmeier equation) is 99.9  
: for September 1982.  
:  $R_a$  final was computed from the reports of 29 members of the AAVSO international  
: sunspot-observer network.  
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\*Sunspot Bulletin, 1983, No. 3.



Sudden Ionospheric Disturbances Recorded During March 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	01:45	1-	4	A31
1	07:21	1-	5	A52
1	10:53	1	5	A52
1	13:20	1-	5	A49, 51
1	21:15	1	5	A19, 31, 49, 50, 51, 54
1	22:11	1-	5	A31, 50, 56
1	23:17	1-	5	A31
4	17:48	1+	5	A31, 54
4	20:08	1	5	A31, 54
4	20:43	1	5	A19, 31, 49
5	23:21	1-	5	A31
6	07:31	1	5	A52
6	15:29	1+	5	A31, 54, 56
9	01:56	1-	5	A31
9	19:00	1-	5	A56
10	09:22	1+	5	A52
11	19:12	1+	5	A31, 56
12	14:29	1+	5	A19, 26, 31, 46, 49, 50, 51, 52, 54, 56
12	16:33	3	5	A19, 31, 54
12	23:28	1	5	A31, 46, 50, 56
13	22:12	1-	5	A19, 31, 46, 49, 50, 56
14	15:50	1	5	A31, 56
14	17:43	1-	5	A31
14	18:14	1-	5	A1, 19, 26, 31, 46, 50, 51, 54, 56
14	20:31	1+	5	A31, 56
15	15:00	1	5	A31
15	19:01	1-	5	A31, 56
16	22:06	1	5	A19, 26, 31, 49, 50, 51, 52, 54, 55, 56
17	00:49	1-	4	A31, 56
17	02:33	1+	5	A31, 52, 55, 56
17	04:49	1-	5	A52
17	07:30	1-	5	A52
17	09:13	1+	5	A31, 52, 56
17	11:07	1-	5	A52
17	13:43	1+	5	A1, 19, 26, 46, 49, 50, 51, 54
17	20:18	2+	5	A1, 19, 26, 31, 49, 50, 51, 55, 56
17	23:34	1-	5	A31, 46, 55, 56
18	01:06	1-	5	A31, 55, 56
18	02:06	2	5	A31, 55, 56
18	04:46	1	5	A31, 52, 55, 56
18	08:12	1	5	A52
18	14:18	1-	5	A19, 49, 51
18	18:57	1-	5	A1, 19, 26, 49, 50, 51, 54, 55
20	05:38	1-	5	A52
21	20:24	1-	5	A31, 55, 56
21	21:27	1-	5	A31, 50, 55, 56
23	18:56	1-	5	A1, 19, 26, 49, 50, 51, 55
26	06:15	1-	5	A52

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