

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION

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Relative Sunspot Numbers For December 1983

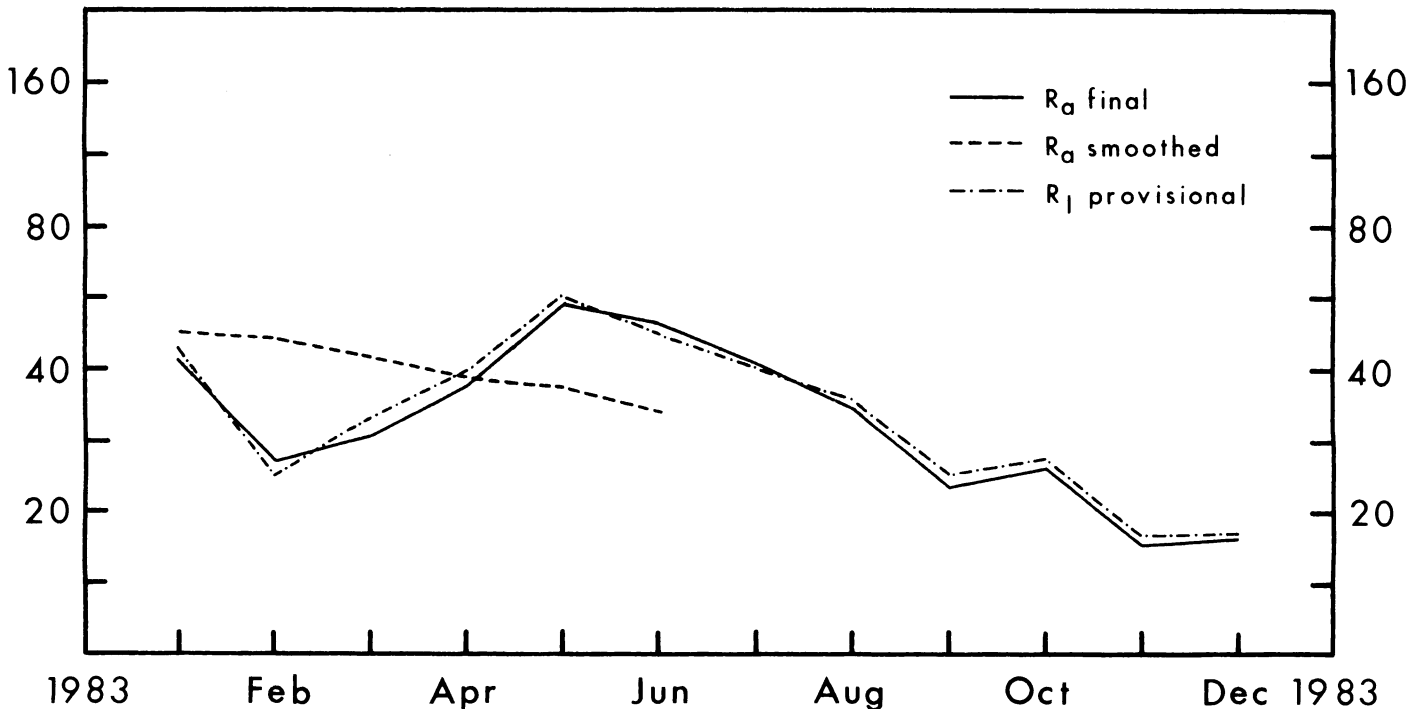
R _a final			*R _I prov.		
1) 21	11) 76	21) 24	1) 29	11) 76	21) 25
2) 25	12) 67	22) 16	2) 23	12) 66	22) 15
3) 13	13) 61	23) 17	3) 17	13) 66	23) 19
4) 8	14) 51	24) 23	4) 17	14) 52	24) 17
5) 19	15) 50	25) 23	5) 21	15) 50	25) 21
6) 40	16) 37	26) 20	6) 35	16) 35	26) 27
7) 42	17) 42	27) 3	7) 41	17) 34	27) 12
8) 49	18) 36	28) 1	8) 54	18) 36	28) 10
9) 69	19) 34	29) 6	9) 68	19) 27	29) 11
10) 85	20) 27	30) 11	10) 82	20) 25	30) 13
		31) 6			31) 10

Mean = 32.3

Mean = 33.4

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 : The smoothed mean American relative sunspot number (Waldmeier equation) is 68.4
 : for June 1983.
 : R_a final was computed from the reports of 31 members of the AAVSO international
 : sunspot-observer network.
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*Sunspot Bulletin, 1983, No. 12.



Sudden Ionospheric Disturbances Recorded During December 1983

Records were received from A1, 9, 19, 26, 28, 46, 49, 50, 52

Day	Max	Imp	Def	Observers
6	07:25	2	5	A52
6	10:00	1-	5	A52
6	15:43	2	5	A1, 9, 19, 49, 50
6	18:07	1	5	A50
6	19:45	1	5	A50
6	20:33	2	5	A50
6	22:47	2	5	A46, 50
7	00:45	1-	5	A46
7	00:55	2	5	A46
8	07:50	1-	4	A52
16	15:43	2	5	A1, 19, 26, 49
17	05:22	1-	5	A52
17	06:12	1	5	A52
17	07:35	1+	5	A52
17	14:02	1-	5	A1, 49
17	16:02	1	5	A1, 26, 28, 49, 50
17	18:45	2	5	A1, 26, 46, 49, 50
17	20:32	1+	5	A50
17	22:42	1	5	A46

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