

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION

Peter O. Taylor, Editor



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Relative Sunspot Numbers For July 1987

R_a final				* R_I prov.			
1) 0	11) 0	21) 69		1) 0	11) 0	21) 67	
2) 0	12) 0	22) 93		2) 0	12) 0	22) 87	
3) 0	13) 0	23) 107		3) 0	13) 0	23) 102	
4) 0	14) 0	24) 100		4) 0	14) 0	24) 92	
5) 8	15) 7	25) 96		5) 13	15) 11	25) 88	
6) 8	16) 11	26) 90		6) 0	16) 17	26) 85	
7) 9	17) 13	27) 78		7) 9	17) 12	27) 77	
8) 11	18) 19	28) 56		8) 12	18) 17	28) 60	
9) 13	19) 24	29) 59		9) 13	19) 23	29) 60	
10) 11	20) 40	30) 74		10) 11	20) 33	30) 62	
		31) 66				31) 73	

Mean = 34.3

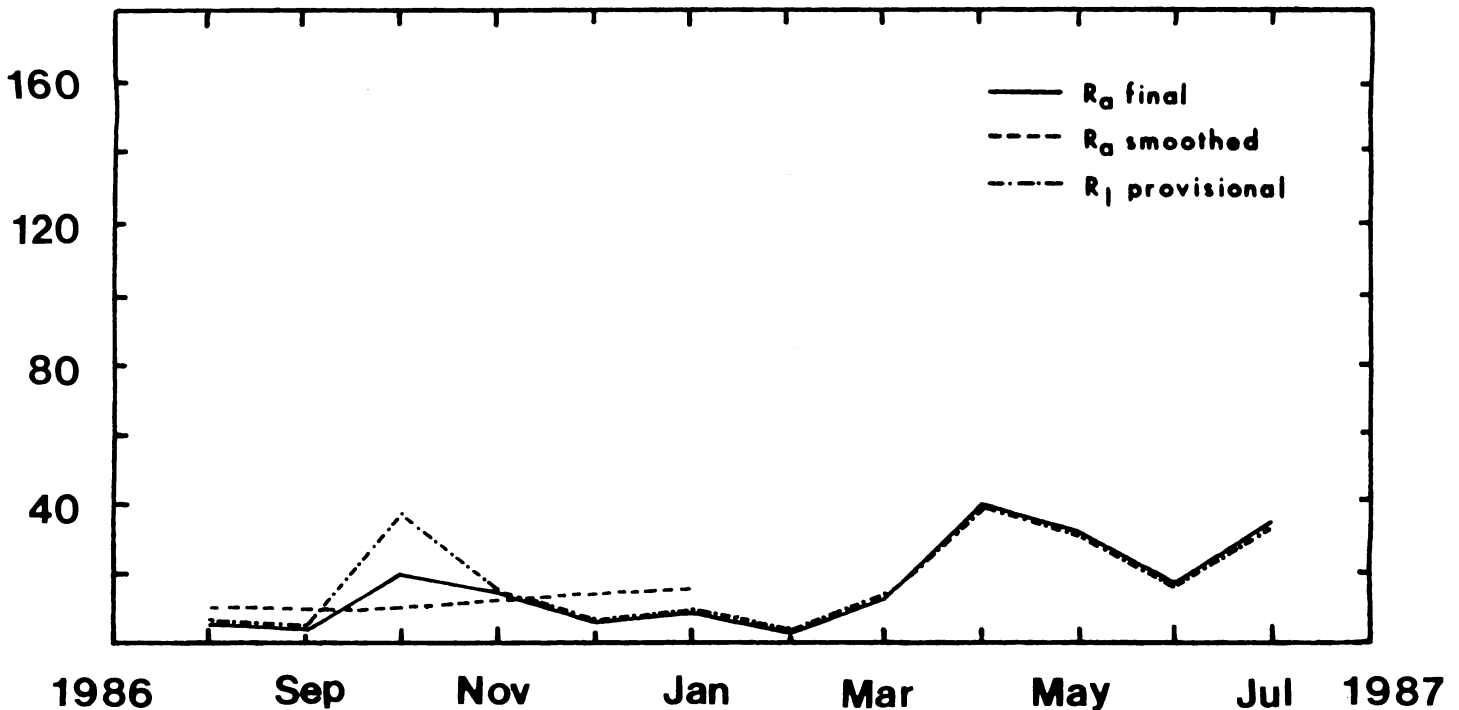
Mean = 33.0

The smoothed mean American relative sunspot number (Waldmeier equation) is 15.9 for January 1987.

Special Note: Computations of these smoothed mean values indicates that the end of Cycle 21 and on-set of Cycle 22 occurred during September 1986.

R_a final was computed from the reports of 49 members of the AAVSO international sunspot-observer network.

*Sunspot Bulletin, 1987, No. 7



Sudden Ionospheric Disturbances Recorded During July 1987
Records were received from A1, 9, 19, 26, 46, 49, 50, 52, 59

<u>Day</u>	<u>Max</u>	<u>Imp</u>	<u>Def</u>	<u>Observers</u>
19	18:52	1+	3	A49
22	15:32	2	5	A59
22	16:45	1	5	A26, 49, 59
22	21:00	1+	4	A49
23	18:16	1+	5	A59
23	19:29	2+	5	A59
24	09:59	1-	5	A59
25	21:17	1+	5	A1, 19, 26, 59
27	18:14	2+	5	A1, 9, 19, 26, 46, 50, 59

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