

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION

P.O. Taylor, Editor
 P.O. Box 1478
 Boca Raton, FL 33429-1478 U.S.A.



Volume 40

Number 4

April 1984

Relative Sunspot Numbers For April 1984

R _a final			*R _I prov.		
1) 103	11) 24	21) 59	1) 103	11) 21	21) 68
2) 94	12) 26	22) 49	2) 94	12) 26	22) 55
3) 89	13) 24	23) 55	3) 85	13) 24	23) 56
4) 75	14) 35	24) 76	4) 81	14) 32	24) 80
5) 63	15) 58	25) 95	5) 61	15) 59	25) 99
6) 65	16) 62	26) 107	6) 70	16) 60	26) 124
7) 45	17) 61	27) 113	7) 50	17) 56	27) 121
8) 23	18) 71	28) 126	8) 36	18) 73	28) 114
9) 10	19) 75	29) 124	9) 25	19) 82	29) 114
10) 14	20) 64	30) 111	10) 12	20) 69	30) 107

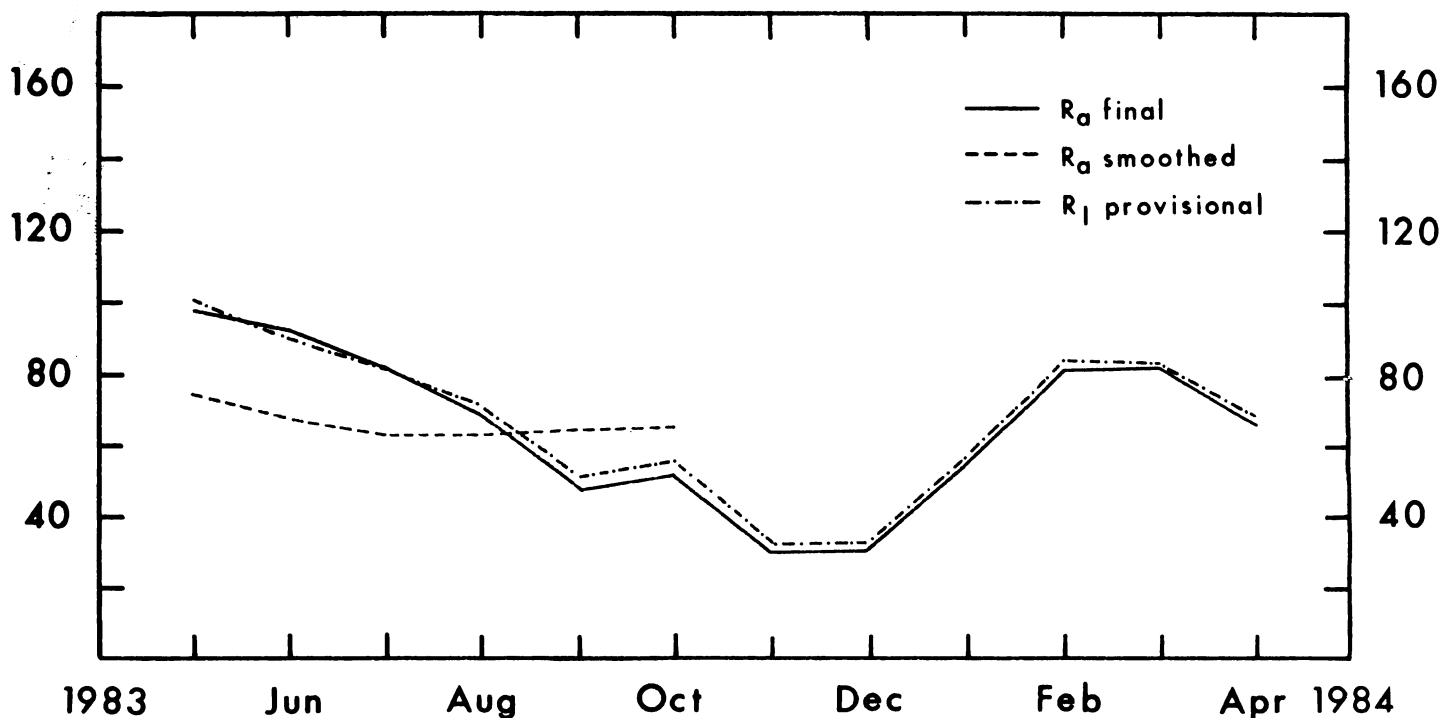
Mean = 66.5

Mean = 68.6

The smoothed mean American relative sunspot number (Waldmeier equation) is 66.2 for October 1983.

R_a final was computed from the reports of 39 members of the AAVSO international sunspot-observer network.

*Sunspot Bulletin, 1984, No. 4.



Sudden Ionospheric Disturbances Recorded During April 1984

Records were received from A1, 9, 19, 26, 28, 46, 49, 50, 52, 58

Day	Max	Imp	Def	Observers	Day	Max	Imp	Def	Observers
1	02:55	1-	5	A52	22	22:15	2	5	A9, 19, 26, 28, 49
1	22:17	2	5	A19, 26, 49, 50	22	22:53	2+	5	A9, 19, 26, 28, 49, 50
2	09:52	2+	5	A52	23	05:30	2+	5	A52, 58
4	09:43	2+	5	A52	23	13:43	1-	5	A1, 19, 26, 28, 49
4	17:30	1-	5	A46	23	16:30	3	5	A1, 9, 19, 26, 28, 49, 50
4	18:43	1+	5	A1, 26, 28, 46, 49	23	18:45	1-	5	A1, 19, 26, 50
5	13:32	2	5	A19, 26, 28, 46, 49	23	19:35	1-	5	A1, 19, 26, 50
5	21:10	1+	5	A46, 49	23	20:06	1-	5	A19, 26, 50
6	21:15	2+	5	A26, 49, 50	23	20:21	1	5	A19, 26, 50
6	22:07	1+	5	A50	23	21:59	2+	5	A1, 19, 26, 46, 49, 50
7	02:52	1+	5	A52	24	17:30	2	5	A1, 9, 19, 46, 50
12	05:46	1-	5	A52	24	20:20	2	5	A1, 9, 19, 26, 28, 46, 49, 50
12	17:15	1+	5	A1, 9, 19, 26, 28, 46, 49, 50	24	21:44	1+	5	A19, 26, 50
12	18:10	1	5	A1, 19, 26, 28, 49	25	00:02	2	5	A9, 19, 26, 49, 50
12	19:00	1+	5	A1, 19, 26	25	08:49	2	5	A52
14	13:10	1-	5	A1, 19, 26, 46, 49	25	12:31	1-	5	A1, 19, 26, 28, 46, 49
15	07:39	2	5	A52	25	14:08	1-	5	A1, 19, 26, 28, 49, 50
15	13:17	2	5	A1, 19, 26, 46, 49	25	15:02	2	5	A1, 9, 19, 26, 28, 46, 50
17	09:44	2	5	A52, 58	25	17:50	3	5	A1, 9, 19, 26, 28, 46
17	14:48	2	5	A1, 9, 19, 46, 50	25	19:19	1	5	A19, 26, 28, 50
18	12:21	2	5	A1, 19, 26, 28, 46	25	23:08	1	5	A50
20	07:31	1	5	A52	26	07:07	1+	5	A52, 58
20	13:17	1+	5	A1, 19, 26, 28, 46, 49	26	09:08	2+	5	A52, 58
20	15:46	2+	5	A1, 9, 19, 26, 28, 50	26	12:59	2+	5	A1, 19, 26, 28, 52, 58
20	16:40	3	5	A1, 9, 19, 26, 28, 46	26	17:27	2	5	A1, 9, 19, 26, 28, 46, 49, 50
20	19:41	2	5	A1, 9, 19, 26, 28, 46, 50	27	05:47	1+	5	A52
20	21:43	2+	5	A1, 9, 19, 26, 28, 50	27	14:03	3	5	A1, 9, 19, 26, 28, 46, 49, 50, 58
20	23:36	3	5	A50	27	17:00	2+	5	A1, 9, 19, 26, 28, 46, 49, 50
21	07:40	1	5	A52, 58	27	18:01	2+	5	A1, 9, 19, 26, 28, 46, 49, 50
21	10:45	2	5	A52, 58	28	06:55	1-	5	A52
21	13:10	2+	5	A1, 19, 26, 28, 46, 49, 52, 58	28	20:19	2	5	A19, 26, 28, 49, 50
21	15:00	2	5	A1, 9, 19, 26, 28, 46, 50, 52, 58	29	14:09	1+	5	A1, 9, 19, 26, 28, 46, 49, 50, 52, 58
21	15:55	1+	5	A1, 9, 19, 26, 28, 46, 50	29	14:35	2	5	A1, 9, 19, 26, 28, 46, 49, 50, 52, 58
21	17:21	1	5	A1, 9, 19, 26, 28, 46, 50	29	16:47	1	5	A1, 9, 26, 28, 46, 49, 50
21	19:12	1	5	A1, 9, 19, 26, 28, 50	29	17:57	1+	5	A1, 9, 19, 26, 28, 46, 49, 50
21	19:48	1	5	A1, 9, 19, 26, 28, 50	29	18:58	1	5	A1, 19, 26, 46, 49, 50
21	20:18	2+	5	A1, 9, 19, 26, 28, 46, 50	29	23:17	1-	5	A50
21	22:09	1	5	A9, 19, 26, 50	30	06:33	1	5	A52
21	22:36	1+	5	A9, 19, 26, 50	30	12:00	2	5	A19, 26, 28, 46, 49, 58
21	23:11	2	5	A9, 19, 50	30	17:43	2	5	A19, 26, 28, 49, 50
22	07:38	2+	4	A52	30	21:14	1	5	A19, 50
22	13:46	1-	5	A1, 19, 26, 46					
22	14:02	1	5	A1, 9, 19, 26, 28, 46, 50					
22	21:11	1	5	A1, 19, 26, 28, 49, 50					