Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS— SOLAR DIVISION

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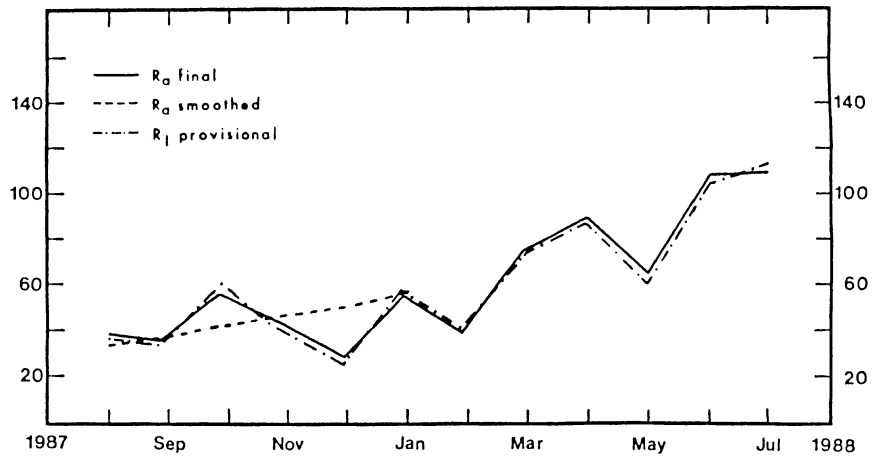
Relative Sunspot Numbers For July

	R_a Final				
1)	127	11)	90	21)	100
2)	134	12)	97	22)	103
3)	140	13)	101	23)	104
4)	127	14)	108	24)	79
5)	112	15)	112	25)	79
6)	100	16)	117	26)	76
7)	101	17)	116	27)	101
8)	93	18)	138	28)	112
9)	80	19)	106	29)	147
10)	80	20)	106	30)	144
				31)	139

Mean = 108.7

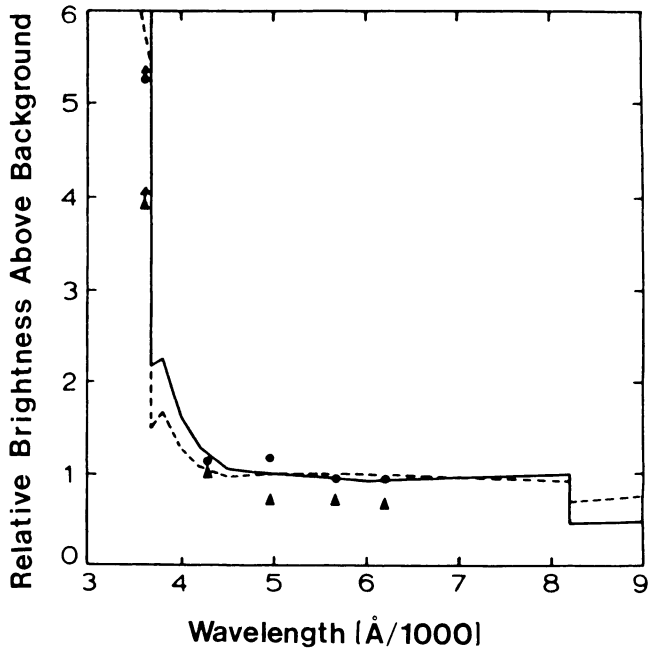


The smoothed mean American Relative Sunspot Number for January 1988 is 58.7, calculated in accordance with the method of Waldmeier.

R_a Final was computed from the reports of seventy members of the international network of American Sunspot Program contributors.

Note: The estimated mean American Sunspot Number for August 1-25 is 102.

White Light Solar Flare - 24 April 1984
Photo courtesy National Solar Observatory
(Sacramento Peak)



R_i Provisional

1)	139	11)	95	21)	103			
2)	145	12)	100	22)	106	*		
3)	142	13)	103	23)	109			
4)	129	14)	114	24)	81	*		
5)	119	15)	111	25)	76			
6)	103	16)	111	26)	76	*		
7)	103	17)	116	27)	111			
8)	106	18)	136	28)	122	*		
9)	82	19)	105	29)	157			
10)	78	20)	106	30)	161	*		
				31)	146			

Mean = 112.6

Sunspot Bulletin, 1988, 7.

Predicted Smoothed American Sunspot Numbers

McNish - Lincoln Method[1]:
February 64; March 70; April 76;
May 82; June 88; July 95.

According to Taylor[2]:
February 60 (6); March 67 (7); April 74 (7);
May 81 (8); June 87 (9); July 94 (9).

[1]**Solar Geophysical Data**, 527, I, 12.
[2]**Solar Bulletin**, 44, 6, 2.

Sudden Ionospheric Disturbances Recorded During July
(Analysis Not Received by Publication Date)

Final American Relative Sunspot Numbers: August 1987 - July 1988

Day	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
1)	60	37	34	62	17	48	59	70	108	70	100	127
2)	47	37	26	54	14	33	69	70	105	81	94	134
3)	37	38	31	53	21	23	66	68	96	81	103	140
4)	32	37	52	50	14	26	62	72	80	93	110	127
5)	29	40	49	41	21	29	53	70	69	94	132	112
6)	34	50	40	32	26	43	42	63	69	78	146	100
7)	40	60	34	31	31	55	43	68	86	51	155	101
8)	42	70	48	43	35	57	44	69	98	68	165	93
9)	41	74	46	43	37	68	47	56	110	89	163	80
10)	52	63	52	31	32	66	40	34	112	91	137	80
11)	52	58	60	28	21	69	29	22	123	72	110	90
12)	47	39	53	23	11	63	10	45	125	61	81	97
13)	47	25	65	20	19	77	19	54	136	56	47	101
14)	47	19	86	21	26	94	24	58	139	52	56	108
15)	49	15	96	22	34	90	28	58	142	54	68	112
16)	49	14	90	35	35	85	32	82	144	58	89	117
17)	47	24	80	47	33	69	34	91	144	58	83	116
18)	45	27	81	52	38	60	58	97	135	45	69	138
19)	49	36	79	51	33	68	60	99	118	22	71	106
20)	51	41	68	50	27	64	53	87	89	27	74	106
21)	48	29	58	57	15	73	24	82	79	31	102	100
22)	33	23	47	77	16	61	19	79	66	35	98	103
23)	36	24	29	89	20	42	11	81	46	42	94	104
24)	36	21	27	76	15	39	21	89	38	51	100	79
25)	35	11	25	48	31	34	21	94	50	61	109	79
26)	34	11	37	47	33	41	19	98	46	67	113	76
27)	27	18	58	27	26	54	37	100	40	71	123	101
28)	23	20	72	26	32	68	48	111	40	80	128	112
29)	10	27	74	21	36	56	61	105	41	87	131	147
30)	11	31	72	17	39	54	***	110	54	89	140	144
31)	18	***	61	***	40	52	***	120	***	92	***	139
Mean	39.0	34.0	55.8	42.5	26.7	56.8	39.1	77.5	90.9	64.7	106.4	108.7

The American Sunspot Numbers and related information are available through the CompuServe Information Service, INFOPLEX, MCImail, and through domestic and international Telex. Contact the Editor for details.