

Solar Bulletin

Publisher:

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION
 540 NORTH CENTRAL AVENUE
 RAMSEY, NEW JERSEY, U.S.A.



Volume 35 Number 10

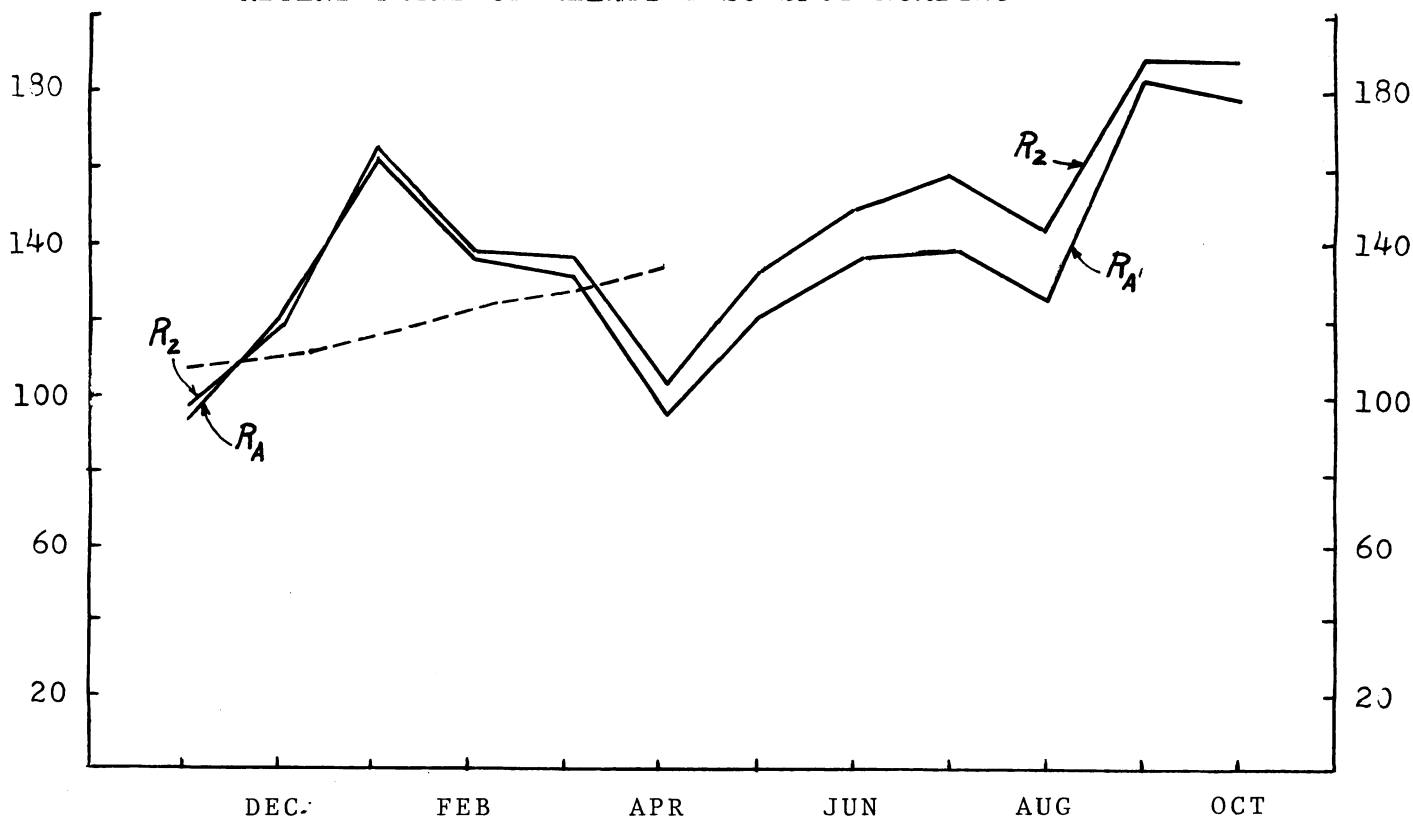
October 1979

SOLAR ACTIVITY DURING OCTOBER 1979

Sunspot activity fell only slightly from the high level of last month. The October monthly mean of the American sunspot numbers was 178.2 which is well above recent months. The 12-month smoothed mean continued its upward climb to 133.2 in April.

Ionospheric disturbances also continued at a high level in October. A disturbance of about two hours duration that occurred on the first is shown at the bottom of page two. Above it are three charts showing seven events that occurred on the fourth. A small disturbance starting about 1926 UT is of equal intensity on all three charts while another starting about 1422 UT is unequal. An event starting at 1240 UT is inverted on the 21.4 kHz trace but is barely noticeable on 73.6 kHz and not seen at all on 34.5 kHz. All of this points up the important advantage of recording various signal sources and propagation paths. Charts of 37.2 kHz and 18.6 kHz on the 21st show similar differences in sensitivity to small events.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R_A) AND ZURICH (R_Z) RELATIVE SUNSPOT NUMBERS FOR OCTOBER 1979

Day	R _A	R _Z
1	206	213
2	195	187
3	175	167
4	154	156
5	155	168
6	152	168
7	178	179
8	174	190
9	193	210
10	161	178
11	160	183
12	174	189
13	203	211
14	206	213
15	192	198
16	186	185
17	196	221
18	196	224
19	214	221
20	199	219
21	185	215
22	172	198
23	164	186
24	167	161
25	169	153
26	151	145
27	131	143
28	144	142
29	175	191
30	193	197
31	204	223
Mean	178.2	188.2

