

Solar Bulletin

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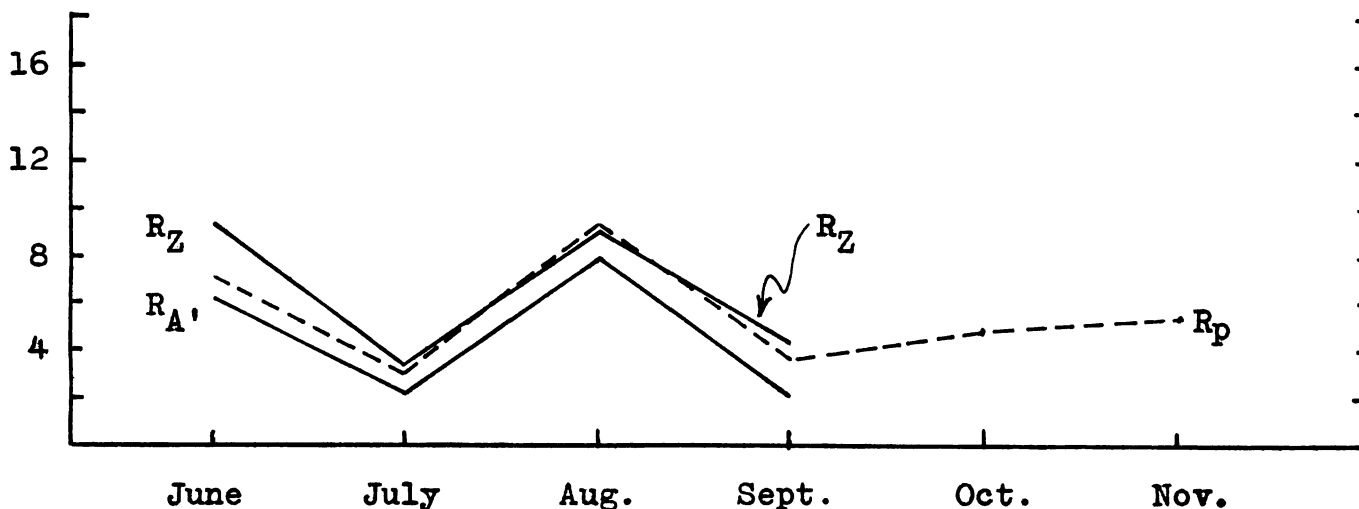
November, 1964

SOLAR ACTIVITY DURING NOVEMBER

Solar activity remained at a low level through November. No ionospheric events were recorded by Solar Division observers.

Sunspot activity was up slightly from the previous month. The provisional sunspot number rose from 4.7 to 5.3 in November. There were 16 spotless days compared to 19 last month. A southern group that first appeared on 31 October was visible until 3 November when it faded from the disk. A faint new-cycle group was visible at 34 degrees north and 3 days east of the central meridian on 7 November. The disk was then spotless until two northern groups appeared on the 14th. The new-cycle group at 30 degrees north was about 3 days past the meridian and the old-cycle group at 8 degrees north was about 5 days past. The most prominent group this month formed on the 16th about a day past the central meridian at 18 degrees north latitude. It was lost near the west limb on the 21st. A second group formed near the west limb on 20 November at 35 degrees north but was gone by the 23rd. A small group was visible about 2 days east of the meridian on the 24th at 22 degrees north. Another faint group formed on the 28th and lasted one day at 15 degrees north near the western limb.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN RELATIVE SUNSPOT NUMBERS (R_A) FOR SEPTEMBER, 1964

September mean = 2.1

1	6	11	9	21	0
2	7	12	5	22	0
3	3	13	9	23	0
4	0	14	4	24	0
5	0	15	0	25	0
6	0	16	0	26	0
7	1	17	0	27	0
8	3	18	0	28	0
9	5	19	0	29	1
10	9	20	0	30	1

ZURICH RELATIVE SUNSPOT NUMBERS (R_Z) FOR SEPTEMBER, 1964

September mean = 4.4

1	7	11	10	21	0
2	8	12	20	22	0
3	8	13	14	23	0
4	0	14	11	24	0
5	0	15	0	25	0
6	0	16	0	26	0
7	7	17	0	27	0
8	20	18	0	28	0
9	11	19	0	29	0
10	10	20	0	30	7

PROVISIONAL RELATIVE SUNSPOT NUMBERS (R_p) FOR NOVEMBER, 1964

November mean = 5.3

1	11	11	0	21	7
2	11	12	0	22	0
3	11	13	0	23	0
4	0	14	21	24	4
5	0	15	5	25	2
6	7	16	15	26	0
7	0	17	13	27	0
8	0	18	13	28	0
9	0	19	14	29	0
10	0	20	24	30	0

Note:

The above provisional relative sunspot numbers (R_p) have been computed from some of the early reports received from Solar Division sunspot observers. They are not meant to be used for definitive work.