

Solar Bulletin

... Published By ...

AAVSO - SOLAR DIVISION
540 North Central Avenue
Ramsey, New Jersey

Volume 20...Number 5

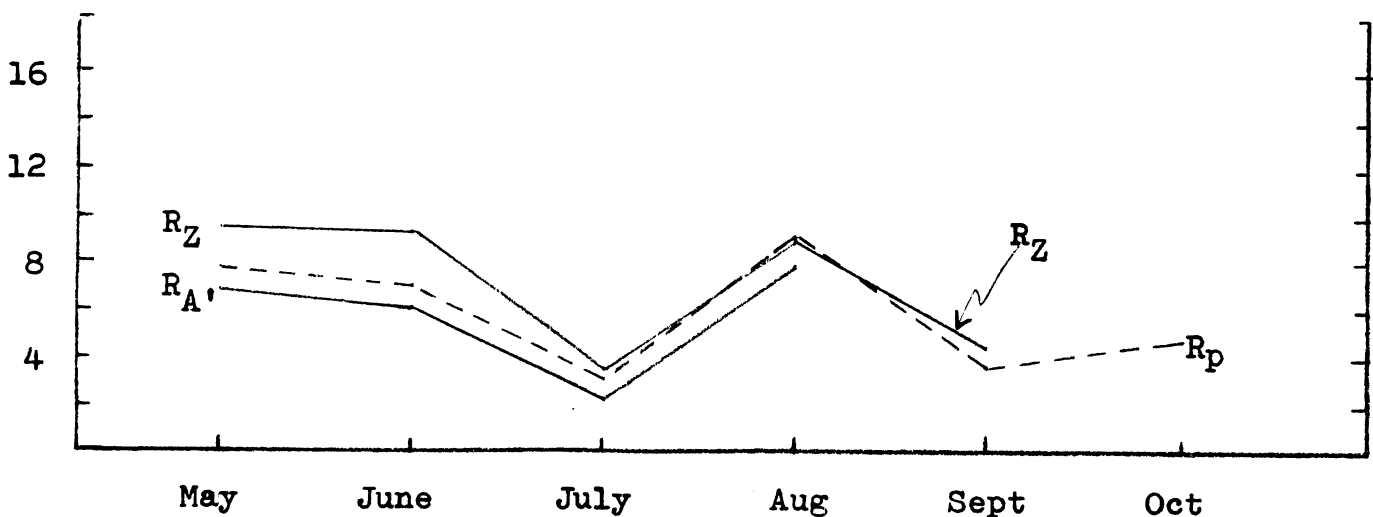
October, 1964

SOLAR ACTIVITY DURING OCTOBER

Solar activity remained at a very low level through October. High Altitude Observatory reported several subflares in their Preliminary Reports but no ionospheric events were found in early reports from Solar Division observers.

Sunspot activity remained at about the same low level as last month with 19 spotless days, 7 sunspot groups observed, and the provisional sunspot number at 4.7 for the monthly mean. October began with a bipolar group of about four spots visible in the Southern hemisphere. There was also a very small spot near the Northwest limb that was difficult to see. 2 to 5 October were spotless days but on the 6th a new-cycle group formed at 20° North latitude and about 3 days past the central meridian. On the 7th another group had formed in the Southern hemisphere but was gone the next day leaving only the group of the 6th, now very close to the West limb. By the 9th it had gone over the limb and the sun then remained spotless through the 17th. On 18 October a new-cycle group formed on the meridian at 30° North and lasted through the 20th. This was followed by a spotless period except for short-lived single spots visible on 25 and 30 October. On 31 October a new group of about three spots formed near the meridian at 10° South.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN RELATIVE SUNSPOT NUMBER (R_A) FOR AUGUST 1964

August mean = 7.8

1	10	11	6	21	3
2	18	12	15	22	1
3	8	13	23	23	0
4	4	14	36	24	0
5	3	15	38	25	0
6	1	16	27	26	0
7	2	17	13	27	0
8	0	18	11	28	0
9	0	19	11	29	0
10	4	20	7	30	0
				31	1

ZURICH RELATIVE SUNSPOT NUMBER (R_Z) FOR AUGUST 1964

August mean = 8.9

1	9	11	8	21	7
2	20	12	21	22	0
3	17	13	21	23	0
4	8	14	36	24	0
5	8	15	30	25	0
6	7	16	30	26	0
7	7	17	12	27	0
8	0	18	8	28	0
9	0	19	7	29	0
10	7	20	7	30	0
				31	7

PROVISIONAL RELATIVE SUNSPOT NUMBERS (R_p) FOR OCTOBER 1964

October mean = 4.7

1	15	11	0	21	0
2	2	12	0	22	0
3	0	13	0	23	0
4	0	14	0	24	0
5	0	15	0	25	11
6	15	16	0	26	0
7	25	17	0	27	0
8	16	18	14	28	0
9	3	19	14	29	0
10	0	20	11	30	6
				31	13

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.