

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS

Solar Bulletin

... Published By ...

Volume 20...Number 3

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

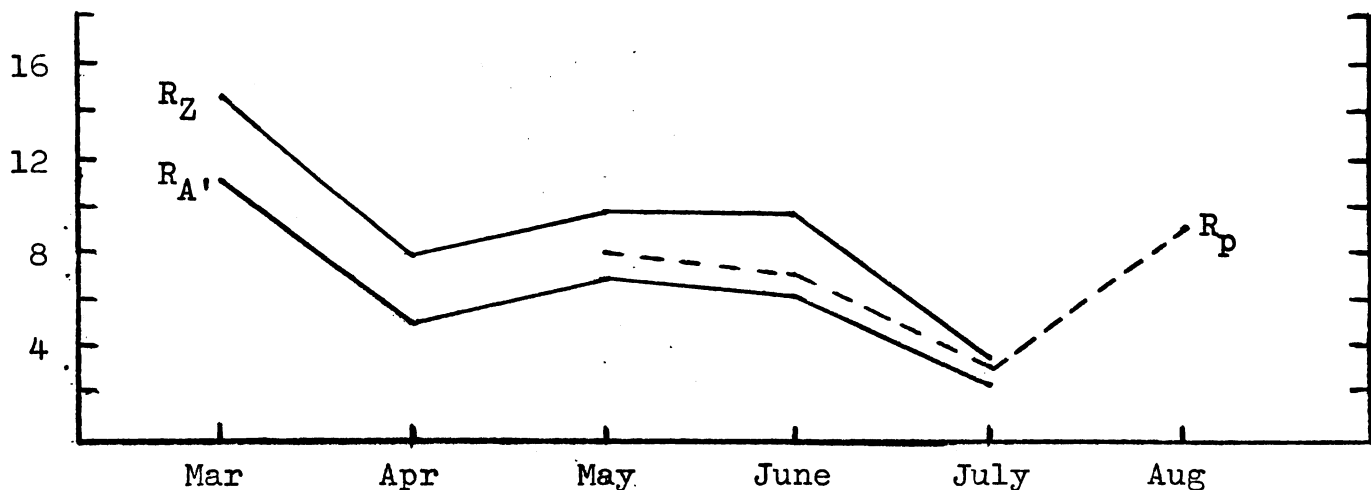
August 1964

SOLAR ACTIVITY DURING AUGUST

Solar activity was up slightly from last month and several small flares were reported. An SEA was recorded by Solar Division observers on 22 August starting at 2124 UT, reaching maximum at 2131 UT, and ending at 2200 UT. A subflare has been reported earlier that day but none at the time of this SEA.

Sunspot activity was also greater and the provisional sunspot number rose from 3.0 to 9.0. There were only 13 spotless days as compared to 23 in July. There were 6 sunspot groups this month but only 4 in July. August began with a new-cycle group at 25 degrees N latitude and about 4 days West of the central meridian. This had developed from an A-type group that appeared on 31 July. A second group of 2 spots formed near the equator on 2 August and lasted until it went over the West limb on 5 August. The sun was spotless 6 to 9 August except for a short-lived spot on 7 August. On 10 August a single spot appeared at the East limb and lasted until 12 August. A new group of about 5 spots appeared also on 12 August and lasted until it went over the West limb on 16 August. A new group formed near the equator and 2 days East of the central meridian on 14 August and was last seen near the West limb on 21 August. The disc was spotless 22 to 31 August.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN RELATIVE SUNSPOT NUMBERS (R_A) FOR JUNE 1964

June mean = 6.1

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

ZURICH RELATIVE SUNSPOT NUMBERS (R_Z) FOR JUNE 1964

June mean = 9.3

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

PROVISIONAL SUNSPOT NUMBERS (R_p) FOR AUGUST 1964

August mean = 9.0

1	12	11	11	21	11
2	23	12	27	22	0
3	14	13	19	23	0
4	11	14	32	24	0
5	11	15	33	25	0
6	0	16	26	26	0
7	3	17	12	27	0
8	0	18	11	28	0
9	0	19	11	29	0
10	11	20	11	30	0
				31	0

Note:

The above provisional 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.