

Solar Bulletin

(Follows Number 207)

... Published By ...

Volume 20...Number 1

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

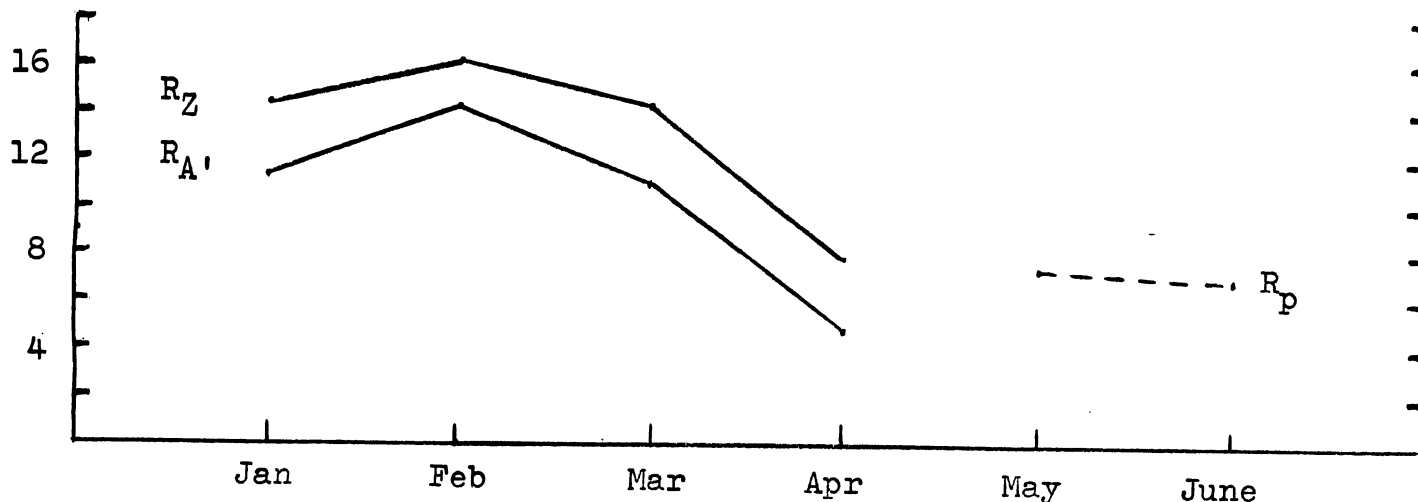
June 1964

SOLAR ACTIVITY DURING JUNE

Solar activity remained at a very low level during June. Several small flares were reported by High Altitude Observatory in their Preliminary Report. A preliminary examination of SEA and SES recordings received early from Solar Division observers does not disclose any sudden ionospheric disturbances for the month of June. In particular there are none associated with the flares reported for 8 and 21 June.

Sunspot activity remained very low, but relative sunspot numbers did rise to between 20 and 30 around the middle of the month. Altogether six very small sunspot groups were visible this month. The month started with a single spot visible. This spot had appeared on 27 May, and remained visible until 4 June. The disc was spotless from 5 to 10 June. A small spot appeared in faculae at the east limb on 11 June, but was gone the next day. A spot appeared on 12 June which developed into a bipolar group visible until 15 June. A second small bipolar group formed on 14 June, and lasted until 19 June. A third bipolar group formed on 17 June, and was visible until 20 June. The disc was then spotless from 21 to 28 June. On 29 and 30 June a single spot was visible in faculae at the east limb.

RECENT TRENDS IN RELATIVE SUNSPOT NUMBERS



AMERICAN RELATIVE SUNSPOT NUMBERS (R_A) FOR APRIL 1964

April Mean R_A = 4.8

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

ZURICH PROVISIONAL SUNSPOT NUMBERS (R_Z) FOR APRIL 1964

April Mean R_Z = 7.7

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

PROVISIONAL SUNSPOT NUMBERS (R_p) FOR JUNE 1964

June Mean R_p = 7.0

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

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.