

Solar Bulletin

Publisher:

DEC 2 1975

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION

540 NORTH CENTRAL AVENUE
RAMSEY, NEW JERSEY, U.S.A.



Volume 31 Number 10

OCTOBER 1975

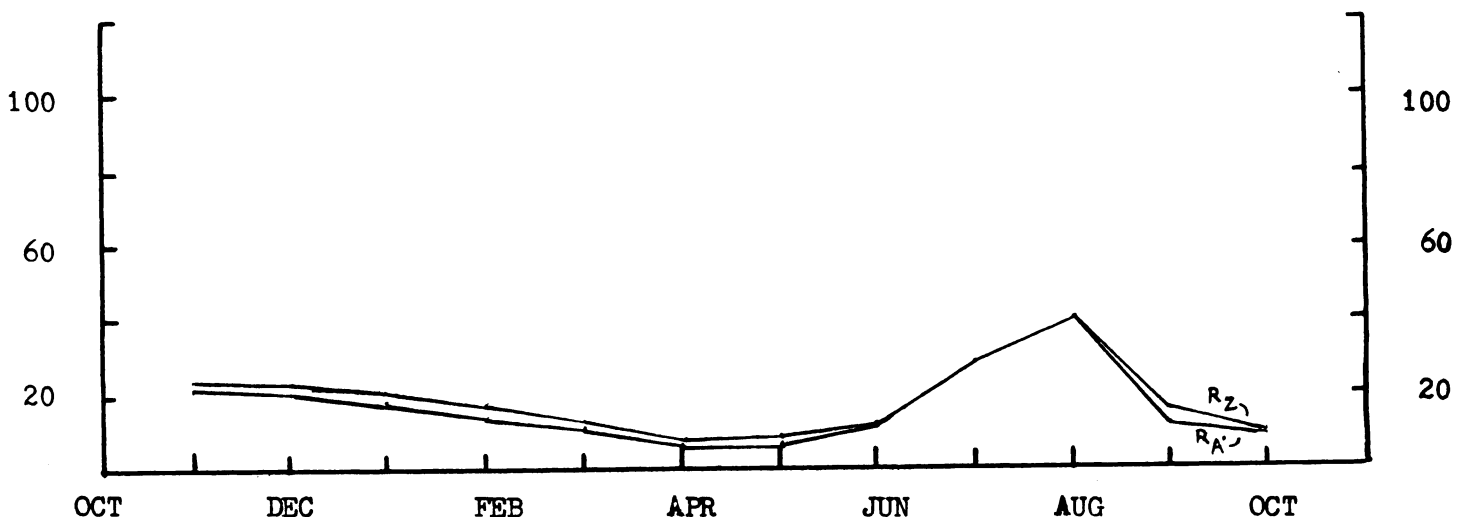
SOLAR ACTIVITY FOR OCTOBER

Sunspot activity declined from the level of last month. The mean of the American sunspot numbers fell to 8.1 from 11.9. The month started off with a prominent H-type spot at 32° north that had come over the east limb the last day of September. This group survived its entire disk passage, the first new-cycle group to last that long. The only other prominent group during October was first seen on the 12th and reached its maximum development about the 14th or 15th when sunspot numbers rose to their high of the month. This group disappeared over the west limb early on the 21st to leave the sun spotless for the rest of the month.

No Ionospheric Disturbances were detected by 11 A.A.V.S.O. observers who monitored 10 frequencies throughout the month.

The Solar Division regrets the loss of our long-time sunspot observer and friend, Rafael Capdeville Celis of Valparaiso, Chile, who died October 18, 1975.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R_A') AND ZURICH (R_Z) RELATIVE SUNSPOT NUMBERS, OCTOBER 1975

DAY	R_A'	R_Z		DAY	R_A'	R_Z
1.	9	15		16.	16	19
2.	8	8		17.	15	8
3.	8	9		18.	12	18
4.	9	10		19.	11	16
5.	9	8	Monthly Means	20.	10	12
6.	10	10	$R_A' = 8.1$	21.	3	7
7.	9	9		22.	0	0
8.	12	16	$R_Z = 9.0$	23.	0	0
9.	14	15		24.	1	7
10.	9	8		25.	0	0
11.	9	8		26.	0	0
12.	14	8		27.	0	0
13.	21	16		28.	0	0
14.	23	20		29.	0	0
15.	20	23		30.	0	0

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING OCTOBER 1975

None were detected by
A.A.V.S.O. Observers

Charts from the following observers were received
and analyzed:

A - 1, 4, 19, 26, 28, 29, 31, 32, 32, 34, 37, 40