

OCT 14 1969

Solar Bulletin

Publisher:

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS — SOLAR DIVISION
 540 NORTH CENTRAL AVENUE
 RAMSEY, NEW JERSEY, U.S.A.



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Volume 25 Number 8

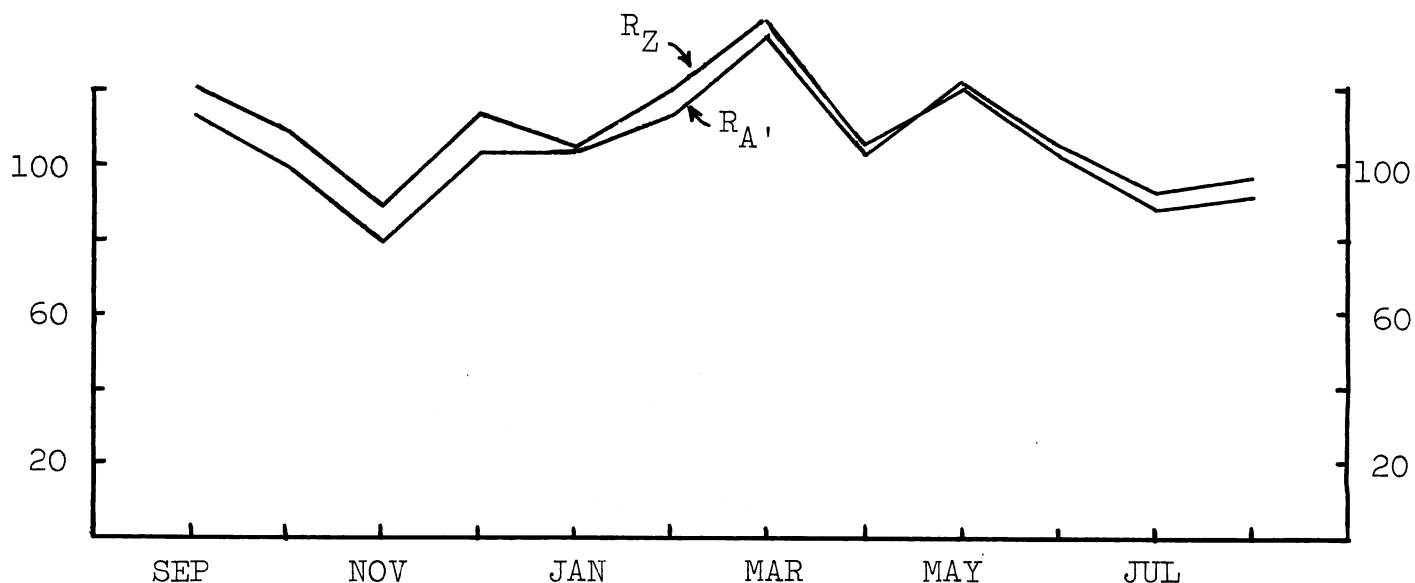
August 1969

SOLAR ACTIVITY DURING AUGUST

August resembled July in that there were few ionospheric disturbances and the few that did occur were of modest intensity. The most widely observed event was a small disturbance reaching maximum at 1420 UT on the 21st. Two recordings of this are reproduced on page two showing a sudden enhancement of atmospheric noise as recorded in South Africa and Pennsylvania.

Sunspot activity continued at about the same level with the monthly mean of the American sunspot numbers up slightly to 96.3 despite the period of low activity following the middle of the month. Such low level periods have been characteristic of previous months when longitudinal regions of little activity rotate onto the disk. Low relative numbers during these periods contrast with high numbers at other times such as those at the beginning and end of August which combine to maintain a high monthly mean.

RECENT TREND OF RELATIVE SUNSPOT NUMBERS



AMERICAN (R^A) AND ZURICH (R^Z) RELATIVE SUNSPOT NUMBERS, AUGUST 1969

day R^A R^Z day R^A R^Z

1	172	175	16	43	46
2	191	182	17	38	38
3	168	161	18	33	32
4	174	174	19	31	29
5	158	158	20	36	23
6	151	134	21	37	38
7	114	126	22	45	46
8	111	96	23	55	62
9	123	105	24	68	66
10	98	90	25	72	75
11	79	73	26	94	90
12	57	60	27	126	98
13	46	47	28	139	107
14	60	50	29	144	124
15	51	62	30	135	138
16	79	73	31	136	114

August mean R^A = 96.3

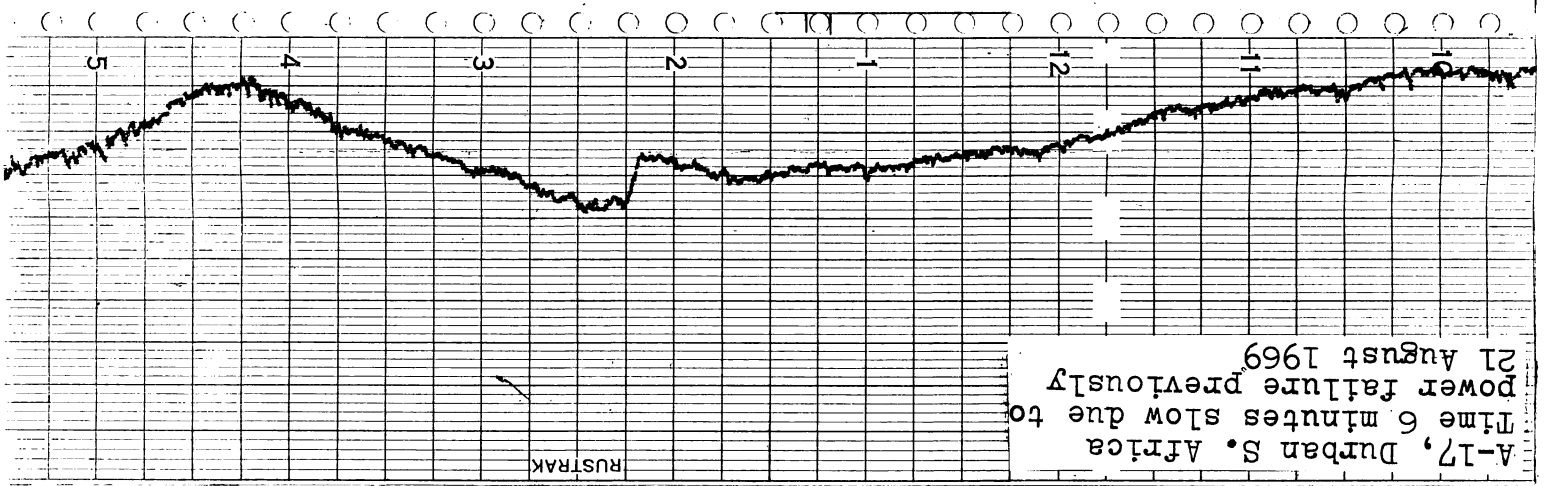
August mean R^Z = 90.9

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING AUGUST 1969

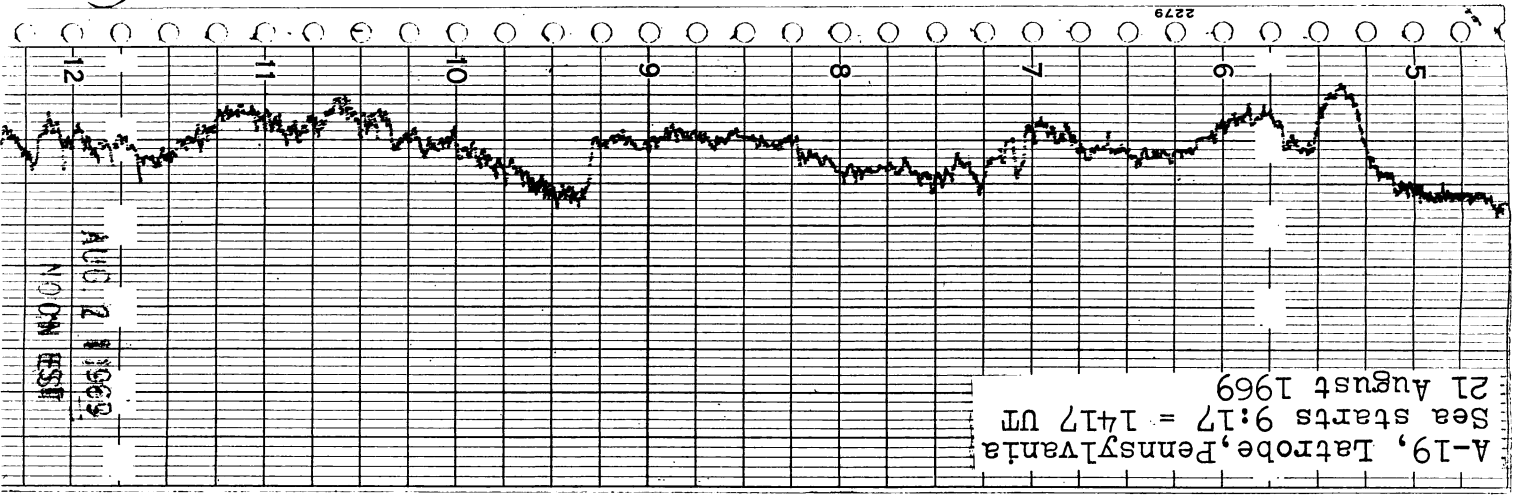
DAY	MAX. SEA SES DEF.	OBSERVERS	DAY	MAX. SEA SES DEF.	OBSERVERS
10	1427	1	21	1420	1+ 1 5
11	0637	1-	23	1655	3
11	1223	1			A-1
					A-19, 17, 6, 1

A-17, Durban S. Africa
 Time 6 minutes slow due to
 power failure previously
 21 August 1969

RUSTRAK



A-19, Latrobe, Pennsylvania
 Sea starts 9:17 = 1417 UT
 21 August 1969



AUG 21 1969
 NOON EST