

Table I.

Numbers	Solar Flares			Outbursts			Bellinger effect			III type anomaly absorption						So magnetic storms		Velocities V III
	date	GMT	intensity	type IV	N	S	the commencement	minimum	duration	date	GMT	latitude	hours	date	GMT			
1957																		
1.	3 VII	08 00 ^m	3	08 49 ^m	+	-	09 ^h	09 ^h	60,6°	67,0°	66	56	5	00 45 ^m	4,2·10 ⁴			
2.	24 VIII	18 02	3	18 52	+	-	21	24	-	66,0	6	21	27	19 52	0,9			
3.	28 VIII	09 13	3+	09 30	-	-	14	13	63,0	66,0	34	29	19 20	1,1				
4.	2 IX	13 02	2	13 10	+	-	-	17	-	54,0	166	72	4	13 00	1,0			
5.	12 IX	05 00	2	05 15	+	-	04	08	65,0	54,0	8	40	13	00 46	1,4			
6.	26 IX	19 07	3	19 49	+	-	21	21	63,0	57,0	24	66	29	00 15	2,1			
7.	20 X	16 37	3	16 46	+	-	19	17	59,8	-	35	47	21	21 20	8,0			
1958																		
8.	9 II	21 08	2	21 09	+	+	06*	05*	59,8	67,0	18	48	11	01 26	0,5			
9.	23 III	09 47	3+	-	-	-	-	-	-	66,0	139	72	25	15 40	-			
10.	6 VI	04 36	3	04 34	-	-	-	-	-	-	5	35	7	00 45	-			
11.	7 VII	00 39	3+	00 27	+	-	05	03 15 ^m	58,5	57,0	104	48	8	07 48	1,4			
12.	29 VII	05 32	3+	03 04	+	+	04	-	63,0	-	4	9	31	15 32	-			
13.	16 VIII	04 32	3+	04 38	-	-	06	07	59,8	54,0	50	50	17	06 22	1,7			
14.	22 VIII	14 17	3	14 40	+	-	14	16 45	-	57,0	-	72	24	01 40	4,7			
15.	26 VIII	00 05	3	00 19	+	-	01	02	-	57,0	165	72	27	02 46	2,1			
16.	22 IX	-	-	-	+	-	16	-	63,0	66,0	12	87	25	04 08	-			

Mets: * - February, 10.

Literature

- 1) T. Obayashi and Y. Hakura: Rept. Ionosphere and Space Res. Japan, 1960, 14, No. 1, 1-40.
- 2) A. S. Besprozvannaya and V. M. Driatzi: "Anomalous absorption in the polar region by the observations with the method of ionosphere vertical sounding" symposium "Ionosphere Investigation" Nr. 5, Ac. of S. USSR, 1960.

Discussion

Leonard, R. S.: A study of PCA's, made at the Geophysical Institute, at conjugate stations, namely Campbell Is. ionosound and the Alaskan network of riometers and ionosounds, shows a good correlation of occurrence and equatorward extent for stations paired by the Vestine magnetic field analysis.

Pushkov, N. V.: The beginning and durations of PCA's may sometimes be different. There are cases when PCA's are in one hemisphere and absent in another one.

Paghis, I.: You mentioned generally that PCA's could be essentially different in the two polar caps. The paper by Jelly, using f_{min} at Arctic and Antarctic stations, found that the absorption differences depended on conditions of solar illumination. There was no essential difference between PCA's at Arctic and Antarctic. Do your results agree with this conclusion?

Pushkov, N. V.: There are some cases in equinoxes when the PCA's noted in one hemisphere and absent in other.

I-2-P1. Introductory Remarks and the Summary of the Ordinary Sessions*

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* The manuscript has not been received.