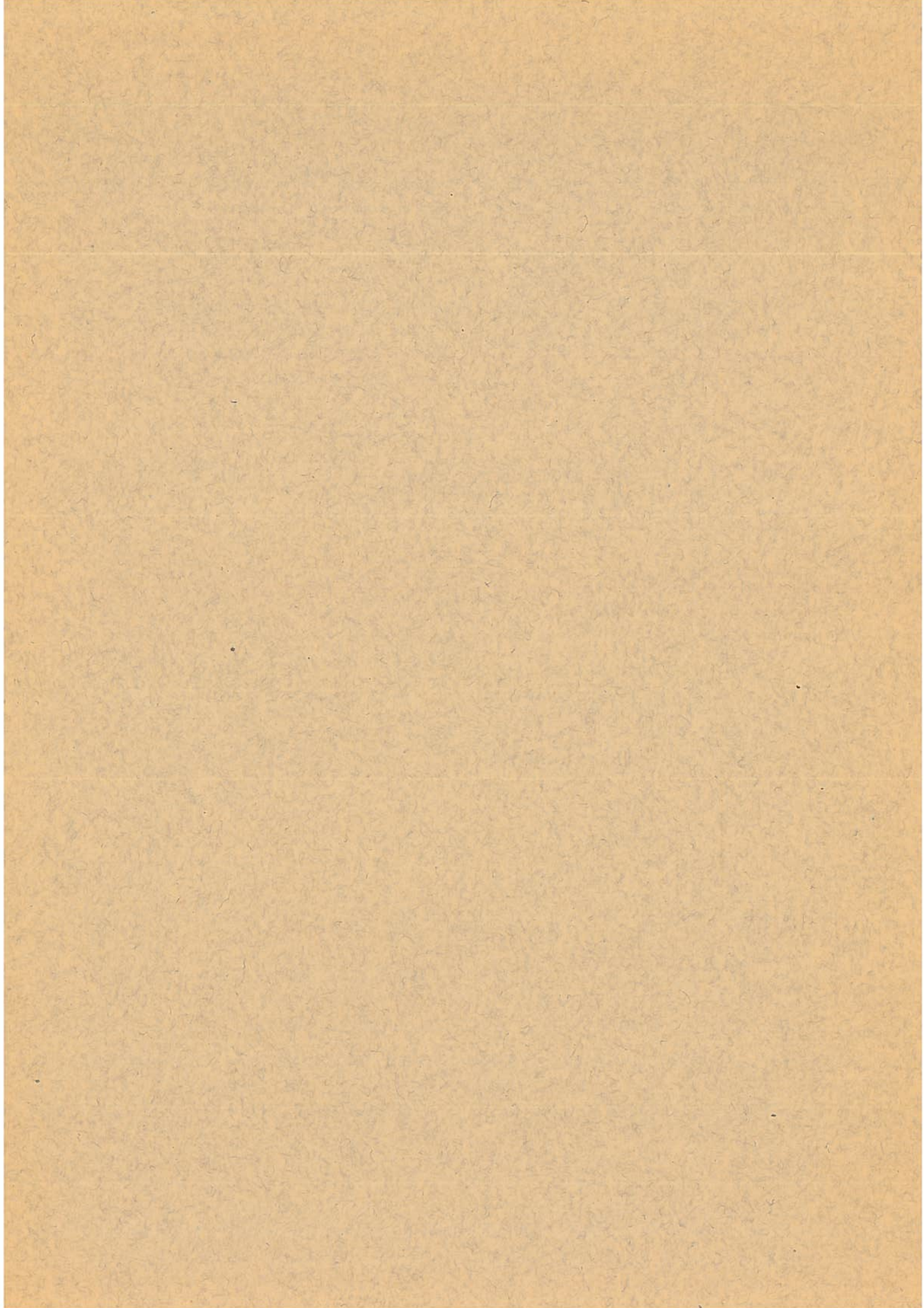


Publikasjoner fra
DET NORSKE INSTITUTT FOR KOSMISK FYSIKK
Nr. 8

THE AURORAL OBSERVATORY AT TROMSÖ
($\varphi = 69^{\circ} 39'.8$ N, $\lambda = 18^{\circ} 56'.9$ E Gr.)
RESULTS OF MAGNETIC OBSERVATIONS
FOR THE YEAR 1935

By
LEIV HARANG and E. TÖNSBERG

1 9 3 6
A.S JOHN GRIEGS BOKTRYKKERI, BERGEN



Publikasjoner fra
DET NORSKE INSTITUTT FOR KOSMISK FYSIKK
Nr. 8

THE AURORAL OBSERVATORY AT TROMSÖ
($\varphi = 69^{\circ} 39'8''$ N, $\lambda = 18^{\circ} 56'9''$ E Gr.)
RESULTS OF MAGNETIC OBSERVATIONS
FOR THE YEAR 1935

By
LEIV HARANG and E. TÖNSBERG

1 9 3 6
A.S JOHN GRIEGS BOKTRYKKERI, BERGEN

THE AURORAL OBSERVATORY AT TROMSÖ

($\varphi = 69^{\circ} 39' \cdot 8$ N, $\lambda = 18^{\circ} 56' \cdot 9$ E Gr.)

RESULTS OF MAGNETIC OBSERVATIONS FOR THE YEAR 1935

By

LEIV HARANG and E. TÖNSBERG

General Remarks.

The instrumental equipment used for the magnetic measurements is the same as previously employed, a description of which is given in No. 1 of the present series of publication.

The observations have been made by E. Tönsberg. The reading of the hourly values and the calculation work have been performed by Miss Anna Pedersen.

Scale Values.

The following scale-values have been determined:

<i>D</i> -curves	1'45 or 4.82 γ per mm.
<i>H</i> -curves	1'45 or 5.00 γ per mm.
<i>V</i> -curves	1'45 or 6.79 γ per mm.

Base-line Values.

The absolute measurements of Declination and Horizontal Intensity result in the table given below of observed and adopted base-line values. During the last four months of the year the *D*-needle was unfortunately disturbed by grain of fungus three times. The Inclination measurements have given unsatisfactory and varying values. We are forced to trust to the stability of the *V*-variometer and use the base-line value from 1934 — 50 220 γ — for the present year too.

The temperature coefficient for the *H*-variometer is 8.0 γ per degree Celcius, and for the *V*-variometer — 1.4 γ per degree Celsius.

Observed and adopted Base-line Values for D, H and V.

Date	<i>D</i> observed	<i>D</i> adopted	<i>H</i> observed	<i>H</i> adopted
I 15	3° 17'5 W	3° 18'0 W	11399 γ	
II 8	18.4	18.0	99	
III 23	19.6	19.3	96	
IV 4	19.5	.3	96	
V 1	19.1	.3	98	
VI 1	19.1	.3	96	
24	19.2	.3	97	
IX 3			95	11397 γ
21	15.2	15.2	89	throughout
X 5			98	the year
XI 5	12.5	12.5	99	
18	13.0	13.0	97	
27	14.6	14.6		
XII 4	15.9	15.9	11402	
11	13.1	12.9		
18	12.7	.9	11401	

Explanation of the Tables.

For each of the components *D*, *H* and *V* two series of tables are given. One series gives, in the usual way, the hourly mean values centered at half hours Gr. M. T. In these tables the column headed *M* gives the ordinary diurnal means. *R* designates the range, i. e. the difference between the maximum and minimum value measured on the magnetogram. The horizontal line marked *M* gives the monthly means of the hourly values, and the horizontal line marked *QM* the monthly means of the *quiet* hourly values.

The second series of tables gives the hourly values of the *Storminess* ("average perturbing force" or "activity"). As to the definition of the storminess and the method for separating it, we refer to No. 2 and No. 4 in the present series of publications. In the tables giving the storminess the column headed *M* gives the diurnal mean. The columns headed *PS*, *NS* and *AS* give the diurnal sum of the positive, negative and absolute storminess respectively. The column headed *C* gives the magnetic character numbers. We consider the diurnal sum of the absolute storminess as the best expression for the magnetic activity during a day, and we will use this quantity for defining the character numbers. Only the most strongly perturbed component, the Horizontal Intensity, is used in characterisation. Character *No. 0* comprises diurnal sum of the absolute storminess (*AS*) up to 400 γ , character *No. 1* from 400 γ to 1200 γ and character *No. 2* greater than 1200 γ . The horizontal line marked *M* contains the monthly means of the hourly values, and the two lines marked *MPS* and *MNS* give the monthly means of the positive and negative storminess respectively.

In *D* the storminess is reckoned positive towards magnetic west, in *H* positive towards magnetic north, and in *V* positive downwards.

In addition to the main tables, resuming tables, figures and vector diagrams are given at the end of the year-book.

TABLES

Tromsø.

Declination. D = 3° W + Tabular Quantities expressed in Tenths of Minutes.

Gr. M. T

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R					
1	210	180	210	225	235	210	225	200	190	235	240	240	225	210	210	210	210	220	210	15	225	135	180	203	68					
2	170	160	200	210	225	200	200	200	210	210	200	210	235	235	215	215	180	200	215	170	150	110	180	180	190	196	36			
3	180	210	180	190	180	200	200	210	210	210	230	210	200	230	230	230	270	200	200	200	190	190	170	180	140	170	207			
4																														
5	180	180	200	200	210	230	230	220	200	190	220	230	230	200	200	200	200	190	190	170	180	190	140	140	170	193	33			
6	200	200	200	200	200	200	200	200	200	190	200	200	200	180	170	170	180	170	170	170	170	170	170	170	170	190	189	12		
7	200	200	200	210	210	210	210	210	200	210	210	210	210	210	210	210	210	200	200	200	160	150	170	170	170	200	198	12		
8	210	210	215	225	225	215	210	210	215	215	215	215	215	215	215	215	225	225	215	215	210	200	180	170	225	211	23			
9	235	200	200	200	210	215	220	215	220	215	215	215	215	215	225	225	215	215	215	215	215	210	200	180	170	225	211	23		
10	200	200	210	210	210	210	210	215	220	210	210	215	225	225	240	240	240	240	240	240	245	210	200	150	140	214	33			
11	140	20	60	150	200	210	210	210	230	230	240	260	260	260	240	250	230	220	210	200	200	200	190	130	190	30	199	30		
12	120	170	200	200	200	200	200	200	200	210	210	210	225	225	225	235	235	210	120	200	170	150	60	120	187	75				
13	110	190	200	190	230	240	210	200	210	220	220	220	240	230	230	230	230	230	170	170	220	190	200	200	208	22				
14	900	200	200	200	200	200	200	210	230	230	230	230	230	230	210	210	210	210	210	210	210	210	190	60	202	38				
15	110	110	140	220	220	230	230	220	230	210	240	240	240	220	230	250	180	120	130	180	200	170	150	190	192	35				
16	200	200	200	200	210	200	200	210	200	200	220	230	220	210	200	200	210	210	200	200	170	110	180	170	198	78				
17	50	-330	-330	100	120	220	210	230	280	230	240	180	210	220	240	250	180	230	220	200	140	120	-90	159	141					
18	-30	90	140	60	180	200	200	230	230	230	240	240	230	230	130	260	230	90	230	220	240	180	200	165	116					
19	160	140	180	180	200	200	200	230	220	230	220	230	240	240	220	240	220	230	220	240	200	150	190	180	210	205	30			
20	170	160	140	170	200	210	210	250	220	210	210	230	230	220	210	210	210	210	215	200	130	170	200	200	199	26				
21	200	170	200	190	200	200	230	250	220	260	230	270	250	220	210	210	210	230	240	60	30	140	-30	50	184	104				
22	60	-150	90	90	150	190	220	240	240	240	260	230	240	220	230	200	220	230	220	160	240	60	-20	170	97					
23	-180	-120	120	200	120	220	200	240	240	270	260	290	280	300	240	280	230	230	240	150	150	20	120	180	178	96				
24	160	110	190	150	150	200	220	220	210	240	240	240	240	230	260	230	260	120	220	120	230	240	180	-30	20	104	104			
25	150	80	180	170	190	210	200	230	220	260	230	230	220	220	260	200	200	300	190	360	190	170	120	200	203	57				
26	-30	180	110	170	160	200	200	220	210	230	230	230	240	220	230	90	220	200	200	200	150	200	140	183	61					
27	160	170	180	190	200	200	200	210	210	210	210	225	225	225	295	270	275	285	-135	-150	-30	-390	75	147	171					
28	-150	-180	-360	-210	-20	50	-20	170	190	230	230	230	240	260	230	230	220	210	210	210	210	180	190	114	128					
29	180	160	170	170	180	190	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	195	9				
30	200	200	200	200	200	200	200	200	225	260	260	260	260	245	235	210	200	200	200	180	135	200	212	23						
31	180	180	180	160	200	200	190	235	210	290	300	270	235	220	210	190	190	190	190	200	200	210	225	203	36					
M	130	115	138	187	188	203	200	215	216	225	229	230	230	228	219	219	208	208	197	190	162	163	130	152	190	59				
GM	200	200	200	200	200	200	200	200	200	210	210	210	210	220	220	210	200	200	200	200	200	200	190	200						

FEBRUARY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R					
1	210	220	230	210	200	220	200	200	210	200	210	270	300	330	410	360	570	330	360	260	150	30	-120	-160	224	145				
2	-150	-860	-600	-180	-20	150	260	200	240	250	230	270	260	300	380	270	360	530	450	420	260	210	130	110	140	196				
3	190	200	190	190	190	190	180	210	230	210	230	240	250	210	230	210	230	210	140	230	180	140	170	160	199	51				
4	160	190	210	200	190	190	190	200	200	210	210	210	200	200	210	210	210	220	200	200	190	170	200	196	15					
5	200	210	190	200	200	200	210	210	200	210	210	225	240	230	285	235	200	200	190	200	200	75	60	199	39					
6	210	180	170	180	170	200	220	225	220	210	210	235	225	220	210	210	200	200	210	200	190	180	190	170	198	10				
7	210	200	190	170	180	200	210	220	210	230	240	260	260	260	290	280	260	240	220	200	230	200	240	160	223	44				
8	60	160	190	170	200	200	190	200	210	210	220	225	225	225	225	200	200	215	210	200	190	190	170	160	193	32				
9	90	180	80	140	200	210	210	215	225	225	225	215	235	225	225	225	225	225	225	225	200	210	200	170	170	198	33			
10	180	200	170	170	180	200	220	220	210	210	220	220	220	220	220	225	200	225	240	210	200	180	180	211	19					
11	190	190	200	180	200	200	200	200	200	200	210	210	210	210	210	210	210	210	210	200	200	150	170	180	198	19				
12	100	50	140	150	170	180	190	190	210	230	230	240	250	240	250	210	230	250	230	210	190	190	170	140	193	33				
13	150	140	120	40	140	130	180	190	220	260	210	240	250	210	280	210	210	300	260	20	180	-210	-90	-300	139	125				
14	-390	-60	-120	-270	-180	30	140	60	180	170	210	240	230	240	230	160	180	110	140	130	200	150	180	90	81	120				
15	100	170	120	120	150	150	200	170	170	160	200	200	200	210	200	120	200	-30	50	-30	50	140	140	140	62					
16	170	170	170	170	170	170	170	170	170	160	190	210	210	225	240	240	120	60	160	140	180	160	60	75	165	58				
17	10	140	120	80	140	180	170	180	170	170	200	200	230	200	200	200	180	120	170	230	60	110	50	155	78					
18	180	140	80	80	140	170	180	190	210	170	230	230	230	230	230	190	200	210	200	150	165	180	170	170	170	26				
19	140	135	160	180	170	170	170																							

Tromsø.

Declination, Storminess (+ W). Unit Gamma.

Gr. M. T.

JANUARY 1935

HOURLY MEAN VALUES

Table for January 1935 showing hourly mean values for declination, storminess, and other magnetic parameters. Columns include Day (1-31), M, PS, NS, AS, and summary rows (MPS, MNS).

FEBRUARY

Table for February 1935 showing hourly mean values for declination, storminess, and other magnetic parameters. Columns include Day (1-28), M, PS, NS, AS, and summary rows (MPS, MNS).

MARCH

Table for March 1935 showing hourly mean values for declination, storminess, and other magnetic parameters. Columns include Day (1-31), M, PS, NS, AS, and summary rows (MPS, MNS).

Tromsø.

Declination. D = 3° W + Tabular Quantities expressed in Tenths of Minutes.

Gr. M. T.

APRIL 1935

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	170	170	160	150	140	130	110	120	130	150	180	210	215	210	200	180	160	180	170	160	150	150	170	170	165	15
2	170	170	160	150	140	140	140	130	150	170	200	210	230	230	210	190	190	190	190	190	190	180	170	170	178	4
3	170	170	160	150	140	135	130	135	150	180	210	240	235	215	210	200	200	200	200	200	190	180	180	180	182	19
4	170	150	100	120	140	110	110	120	150	170	200	230	250	250	240	200	200	190	210	160	170	110	70	150	165	23
5	140	150	140	110	120	130	130	130	160	180	200	215	235	235	235	225	200	200	190	190	180	170	90	140	171	22
6	120	130	140	140	150	150	140	135	160	170	200	225	235	235	215	200	200	200	190	160	170	170	170	170	176	16
7	170	170	160	150	150	140	135	130	135	160	200	225	235	225	210	200	200	190	150	160	170	150	160	174	13	
8	110	130	100	120	110	160	150	140	150	180	230	250	270	270	270	210	250	210	210	210	200	190	200	180	181	23
9	140	160	50	50	-240	120	60	90	50	135	200	240	280	285	380	465	330	235	200	160	180	170	160	150	170	144
10	150	140	140	140	135	130	130	140	150	190	200	200	285	360	390	450	280	410	510	360	150	160	60	110	224	84
11	-10	-150	-120	-30	50	90	160	160	170	160	30	230	270	330	380	210	300	350	460	260	300	90	150	300	173	215
12	-210	30	-80	-50	60	30	140	160	110	150	200	230	280	180	320	310	160	260	260	270	60	-60	60	-50	120	77
13	-40	-60	-230	240	120	190	200	170	180	200	210	200	260	270	230	280	260	180	210	230	160	150	30	30	154	149
14	50	40	110	110	100	100	110	150	150	170	190	230	250	210	200	200	180	170	180	190	50	50	140	140	143	36
15	100	80	70	60	60	130	140	150	170	170	180	210	220	200	200	170	160	190	200	180	170	160	160	160	155	19
16	160	140	140	130	130	100	170	170	170	180	210	200	210	200	210	270	290	250	200	210	170	30	170	180	165	65
17	-230	50	-50	20	100	150	150	150	160	170	200	200	220	220	230	210	210	260	270	260	200	170	150	150	151	67
18	140	140	110	80	800	130	120	150	150	160	210	260	240	250	210	200	220	200	210	200	270	10	50	110	162	96
19	10	110	130	140	140	130	140	160	150	200	260	230	240	220	200	230	210	190	180	150	90	50	50	159	33	
20	90	120	135	135	130	130	130	140	160	220	225	240	235	220	200	200	170	170	170	160	170	170	170	150	170	36
21	120	110	80	80	100	140	140	150	170	180	200	230	240	220	210	200	190	190	200	210	70	100	110	110	156	55
22	140	140	130	105	100	100	110	150	170	180	230	250	250	235	215	210	200	180	180	180	180	180	180	170	165	27
23	150	160	150	150	140	120	130	140	170	190	220	250	250	235	210	200	190	170	170	180	200	20	-90	-170	60	142
24	50	30	90	90	100	110	140	150	170	200	210	225	225	210	190	200	200	200	180	210	80	60	60	145	35	78
25	110	110	90	-80	80	100	120	140	160	190	200	225	250	235	225	190	190	180	170	170	160	170	170	158	32	145
26	170	160	140	135	130	135	140	140	160	190	200	225	225	225	210	200	180	180	180	180	180	80	80	110	165	28
27	110	90	105	110	110	110	110	120	135	170	180	200	210	210	200	200	190	190	180	170	170	170	170	160	168	16
28	140	130	130	105	110	110	135	170	190	200	210	210	200	200	200	190	190	190	180	180	180	170	170	170	168	13
29	160	150	140	130	120	120	130	140	160	180	200	210	215	210	200	200	190	190	190	190	170	170	170	170	171	15
30	150	140	130	130	120	120	130	140	170	200	230	270	290	260	250	220	220	240	220	200	200	160	170	170	189	17
M	96	109	93	105	107	123	131	138	153	176	198	227	242	235	236	223	212	215	221	202	169	126	115	131	166	48
GM	160	160	140	140	135	135	135	140	150	170	200	210	225	220	210	200	190	190	180	170	170	170	170	170	170	170

MAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	180	170	170	170	140	140	135	150	180	200	210	230	260	360	270	300	380	300	360	290	200	150	220	-520	194	169
2	-570	-470	-680	-210	60	60	80	110	130	470	220	230	230	210	200	200	180	170	170	170	190	170	160	170	70	135
3	170	170	150	130	110	110	120	140	170	190	230	240	240	240	220	200	200	200	200	190	190	190	180	180	182	20
4	140	140	130	120	110	110	110	140	160	170	210	220	210	210	200	180	180	170	170	180	170	140	140	140	159	12
5	150	140	120	110	90	90	90	120	140	170	200	210	210	210	200	200	190	190	190	190	190	170	170	170	163	15
6	190	160	140	120	110	120	130	140	170	200	210	235	235	235	200	200	190	190	190	190	190	180	180	180	179	19
7	190	140	140	130	110	90	90	110	160	200	220	240	250	230	200	190	170	180	180	190	190	170	170	160	171	20
8	150	140	140	110	110	110	120	110	150	160	190	220	235	210	200	180	180	190	190	190	180	180	170	160	165	17
9	140	140	120	105	105	105	120	140	170	200	200	200	200	190	170	170	180	180	180	180	180	180	180	159	12	159
10	140	120	120	110	110	110	105	105	130	150	170	210	260	235	200	200	315	450	270	315	30	-110	90	-20	159	103
11	-300	-90	-110	30	50	80	150	170	170	200	230	240	240	240	220	230	260	290	260	230	210	120	-30	139	107	
12	-60	-90	-150	20	120	120	150	190	180	210	230	240	240	240	220	230	260	290	260	230	210	120	-30	139	107	
13	110	50	50	10	60	80	150	140	160	190	220	235	210	200	180	180	190	190	190	180	180	170	160	140	96	140
14	140	140	160	160	160	140	120	140	150	180	200	230	210	210	200	200	190	180	170	170	170	140	140	159	35	159
15	140	140	120	110	110	110	100	110	130	170	200	225	230	200	200	190	190	190	210	160	-20	-140	80	-50	130	41
16	60	120	60	110	100	120	100	270	180	210	240	250	290	320	230	230	210	200	180	170	170	170	170	160	156	17
17	140	140	120	100	100	80	90	100	120	210	230	230	210	210	200	200	200	210	230	150	-150	-150	-330	119	116	
18	-240	-330	10	110	110	110	120	140	190	20	230	250	250	240	230	200	220	220	230	200	160	160	20	123	77	109
19	20	-30	-120	-200	-270	150	170	20	20	270	260	260	270	320	300	290	250	230	230	180	200	-30	-30	123	109	
21	-90	30	110	110	80	70	80	90	110	140	160	180	190	200	220	200	210	250	210	240	180	170	10	30	159	84
22	-60	-60	20	70	80	90	110	160	200	210	230	230	240	200	210	190	180	190	210	170	140	120	130	143	44	144
23	130	110	100	100	110	120	120	130	170	210	230	230	220	220	210	210	220									

Tromsö.

Declination, Storminess (+ W). Unit Gamma.

Gr. M. T.

APRIL 1935

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	PS	NS	AS		
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-5	-7	-5	-8	0	0	-1	0	25	25	
2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
3	0	0	0	0	0	0	0	0	0	0	0	10	3	0	0	0	0	0	0	0	0	0	0	0	0	1	13	0	13
4	0	-2	-16	-8	0	-7	-7	-7	0	0	0	8	7	9	10	-2	3	0	8	-7	-3	-20	-34	-5	-3	45	116	163	
5	-5	-2	-3	-10	-6	-2	-2	-4	2	2	3	2	0	0	5	0	3	0	2	2	-3	-27	-10	-2	21	81	73	94	
6	-13	-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	22	22	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	-8	-7	-3	-1	0	21	21	
8	-15	-10	-16	-8	-10	7	5	0	0	2	10	12	16	17	20	3	18	8	8	8	5	7	-7	-30	2	145	96	241	
9	-5	0	-30	-33	-125	-5	-25	-17	-35	-13	0	10	18	22	55	88	45	13	0	0	0	0	0	0	-2	251	288	559	
10	0	0	0	0	0	0	0	0	0	4	5	-5	20	47	60	83	28	73	108	60	-8	-5	-37	-20	17	466	75	561	
11	-55	-102	-88	-58	-30	-15	7	5	5	-6	-55	5	15	37	56	3	35	53	98	25	42	-28	-7	45	-1	430	444	874	
12	-123	-42	-53	-63	-25	-35	3	5	-12	-8	3	5	17	-13	-35	35	-15	23	23	30	-38	-78	-37	-70	-21	144	647	791	
13	-65	-72	-123	32	-5	15	20	11	10	7	15	-2	13	17	5	25	20	-2	8	18	2	-8	-47	-47	-7	211	371	582	
14	-38	-40	-13	-10	-13	-13	-10	-4	0	0	-2	5	0	-3	-5	0	-5	-7	-2	2	-40	-40	-9	-10	-11	7	264	271	
15	-20	-24	-25	-28	-17	-3	0	3	7	0	-5	0	-3	-5	-5	-9	-5	0	3	0	0	-5	-4	-2	-6	13	160	173	
16	0	-4	-3	-5	-2	-13	10	11	8	2	6	-2	-5	-8	-2	3	26	35	20	5	12	-3	-47	0	2	136	94	230	
17	-128	-67	-63	-43	-13	5	5	2	0	0	-2	-2	0	5	5	5	23	28	25	7	0	-7	-5	-9	-9	114	330	444	
18	-5	-7	-13	-20	20	-3	-5	-5	0	-5	15	5	6	0	-2	8	8	9	5	32	-56	-42	-53	-4	109	216	325		
19	-50	-14	-6	0	3	0	-3	-2	2	2	3	15	3	7	3	0	10	8	0	3	2	-28	-40	-40	-5	61	183	244	
20	-23	-12	-3	-3	-3	-3	-3	0	10	14	10	10	0	0	0	0	0	0	0	0	-3	0	0	0	-1	44	58	102	
21	-13	-17	-20	-20	-12	0	2	3	5	2	0	8	5	0	0	-2	-3	0	6	10	-35	-26	-20	-16	-6	41	186	227	
22	0	0	0	-10	-12	-13	-8	-4	5	4	10	0	0	0	0	0	13	18	13	10	-8	-23	-7	-2	-1	73	87	160	
23	0	0	0	0	0	-5	-3	0	5	5	10	18	20	2	-5	-9	-10	-7	-2	8	-53	-88	-112	-35	-11	68	329	597	
24	-38	-42	-16	-18	-15	-13	-8	-2	0	-3	0	0	0	0	0	0	0	0	0	12	-33	-37	-35	-10	12	260	272	272	
25	-15	-14	-18	-53	-17	-13	-5	0	3	4	0	5	7	5	5	0	0	0	0	0	0	0	0	0	-4	29	135	164	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-33	-32	-17	-3	0	82	82	
27	-15	-22	-13	-10	-7	-7	-7	-7	-5	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-4	0	96	96	
28	-5	-9	-5	-10	-7	-7	-7	-2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	3	50	53	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	5	10	13	20	20	15	12	6	8	18	10	8	10	-6	0	0	6	155	6	161	
M	-21	-17	-18	-12	-10	-4	-1	0	1	1	1	5	5	5	6	8	6	9	11	7	-2	-16	-19	-12	-3	87	157	244	
MPS	0	0	0	1	1	1	2	1	2	2	3	5	6	6	8	8	7	9	11	7	4	0	0	2					
MNS	21	17	18	13	11	5	3	2	2	1	2	0	0	1	2	1	1	1	0	0	7	17	19	14					

MAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	PS	NS	AS		
1	0	0	0	0	0	0	0	0	0	10	16	10	7	18	50	85	35	63	40	60	37	8	-10	18	-226	7	397	236	633
2	-238	-205	-270	-112	-12	-20	-15	-8	-3	3	12	10	3	12	10	0	3	0	-2	-2	-2	2	2	2	-36	40	896	958	
3	10	10	5	0	-2	-2	0	2	10	15	12	10	10	0	0	0	0	0	0	0	0	0	0	0	4	94	4	98	
4	0	0	-3	-2	-5	-2	-2	8	6	8	4	0	0	0	0	0	0	0	0	0	-6	-12	-10	-5	-1	28	49	77	
5	2	0	-5	-7	-10	-10	-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	2	47	49	
6	15	5	0	-2	-2	0	2	5	10	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	49	4	53	
7	14	0	0	-2	-10	-10	-5	7	13	12	12	12	6	3	-3	-4	0	0	0	0	0	0	0	0	8	78	34	112	
8	2	0	3	7	0	-2	0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	12	32	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
10	-3	0	0	0	0	0	0	0	0	0	2	15	8	3	3	43	90	30	45	-50	-95	-25	-58	0	239	231	470		
11	-148	-78	-80	-32	-25	-15	10	12	13	15	15	12	10	10	15	7	13	25	35	25	18	10	-15	-63	-9	242	456	698	
12	-68	-78	-95	-37	0	10	20	15	8	10	10	10	10	15	35	32	8	8	5	8	0	-105	-35	-8	250	416	645		
13	-10	-28	-30	-40	-20	-15	13	2	8	6	10	12	10	10	13	13	10	0	0	0	0	-7	-8	-2	120	150	280		
14	-3	0	7	10	12	8	0	2	5	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	3	67	3	70	
15	0	0	0	0	0	0	0	0	0	6	7	7	-2	3	-3	0	2	10	0	-65	-105	-30	-68	-10	42	273	315		
16	-28	-8	-25	-7	-7	0	-8	47	15	18	20	15	27	35	13	13	8	8	3	0	-2	-5	3	-13	5	295	103	328	
17	-18	-10	-7	-4	-7	-12	-12	-8	2	10	10	10	8	0	0	0	0	0	0	0	0	0	0	0	-2	40	78	118	
18	0	-3	-5	-10	-8	-12	-10	-11	-5	18	18	10	0	0	0	0	0	0	7	15	-10	-110	-105	-163	-16	68	452	520	
19	-128	-158	-43	-4	-5	-6	-5	-3	3	10	5	10	12	12	15	10	6	12	12	18	8	-7	-2	-48	-11	133	408	541	
20	-43	-58	-85	-110	-130	10	-18	-38	-40	38	25	17	20	35	35	32	20	15	15	0	0	-5	-65	-63	-14	285	632	917	
21	-78	-38	-10	-7	-15	-17	-12	-13	-7	-7	-8	-8	-8	-5	7	3	8	22	10	20	0	-5	-53	-43	-11	70	354	404	
22	-68	-68	-40	-19	-15	-10	-2	10	15	15	10	7	8	10	3	5	0	0	3	10	-5	-15	-15	-10	-7	96	287	363	
23	-6	-13	-13	-10	-5	0	0	0	10	18	15	10	2	5	5	10	22	18	15	13	0	-17	-23	2	145	87	832		
24	-18	-8	-13	-7	-2	-2	0	7	13	15	12	10	8	0	0	0	0	0	0	0	0	-5	-13	0	65	68	133		
25	-10	-18	-25	-20	-18	-15	-15	-17	-7	-7	-8	0	5	5	-5	-4	0	5	2	2	-2	0	2	-7	21	189	210		
26	2	-3	-17	-14	-10	-5	2	5	5	8	18	17	10	10	20	7	6	6	10	10	-10	-10	0	0	3	138	69	207	
27	0	0	0	-4	-8	-8	0	-3	5	8	20	10	8	10	10	3	3	2	8	8	0	-18	-13	-13	1	95	67	162	
28	10	-15	-15	-7	-5	-13	-10																						

Tromsø.

Declination. D = 3° W + Tabular Quantities expressed in Tenths of Minutes.

Gr. M. T.

JULY 1935

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	170	160	160	90	90	90	110	110	140	180	230	270	290	260	260	250	200	190	190	190	160	170	170	170	180	30
2	70	20	-30	-50	50	110	90	110	110	140	200	230	250	240	200	220	220	220	200	210	190	180	120	110	143	42
3	60	70	75	60	50	60	70	105	135	180	210	235	250	225	210	190	200	190	200	210	200	200	200	150	156	22
4	160	140	80	80	70	50	60	110	140	150	200	230	270	230	210	200	190	200	200	210	190	190	150	162	28	
5	155	110	100	80	75	75	100	110	135	170	190	200	200	225	235	235	220	200	190	190	190	170	140	161	16	
6	140	130	105	90	80	70	75	80	105	120	140	190	210	225	225	200	180	170	170	180	200	160	135	130	146	15
7	135	120	120	105	100	90	100	130	135	165	210	250	255	235	235	200	200	200	225	225	210	0	-90	158	84	60
8	20	60	20	50	30	60	60	-110	-60	140	50	60	120	150	440	350	260	350	270	290	250	160	140	140	133	60
9	170	150	140	80	30	50	50	80	120	180	210	260	270	270	230	210	230	210	200	190	190	170	150	140	166	39
10	-60	-80	30	50	50	60	50	80	130	140	190	200	200	190	180	170	170	190	200	200	210	140	120	80	120	52
11	90	100	90	90	75	70	60	80	80	105	225	305	270	240	260	240	180	200	200	200	200	180	160	140	160	33
12	120	110	80	50	40	50	90	140	170	180	240	230	230	200	200	180	200	220	210	170	140	130	151	25	25	
13	130	130	110	90	80	80	80	90	90	110	150	190	200	210	210	180	170	170	200	150	190	160	150	148	23	23
14	140	40	40	50	80	80	70	60	140	200	210	210	210	230	240	270	270	230	230	240	210	80	140	0	158	46
15	40	80	80	80	80	100	90	170	180	230	260	290	260	300	310	300	240	230	200	190	160	140	130	176	44	44
16	80	75	50	50	75	80	105	75	135	155	170	200	235	235	210	210	150	170	170	170	170	160	150	143	22	22
17	130	105	80	75	70	70	80	135	170	200	210	225	240	240	210	190	180	170	200	170	150	135	158	20	20	
18	90	50	20	40	60	60	60	90	110	140	180	210	210	210	210	180	170	160	160	170	180	150	140	140	135	25
19	140	160	60	60	90	120	120	140	160	200	260	290	290	300	300	300	230	220	230	230	190	180	150	60	187	42
20	30	75	75	80	70	70	75	80	105	135	210	220	225	235	235	200	180	190	180	160	150	140	135	144	26	26
21	140	140	130	110	100	75	80	120	140	160	200	255	250	235	210	210	190	190	220	225	210	170	150	110	168	23
22	90	120	120	120	110	180	160	50	100	200	230	240	250	220	190	200	300	320	270	250	210	240	210	-420	165	154
23	-270	-90	80	20	100	90	90	120	110	130	180	210	210	230	240	230	200	200	190	180	200	170	120	131	110	110
24	30	60	110	120	140	140	120	130	110	110	180	200	230	270	230	260	250	230	240	170	200	170	-110	-90	146	117
25	-270	-380	-60	80	-270	-250	80	10	80	140	50	30	50	200	210	330	390	390	330	260	150	140	170	-20	77	171
26	-20	0	0	110	110	110	110	110	110	130	150	170	170	200	200	200	180	170	160	170	190	140	60	20	20	20
27	80	90	90	80	80	80	110	90	110	120	140	140	160	190	200	180	180	190	180	170	170	170	120	130	137	26
28	80	110	110	100	90	110	160	170	210	210	220	230	210	210	180	190	200	210	120	110	130	90	159	28	28	
29	40	30	30	60	80	100	105	105	135	140	150	160	180	180	170	170	160	170	180	190	180	170	150	134	45	45
31	140	120	90	80	80	90	105	120	150	190	200	215	215	210	190	200	200	215	260	250	225	190	160	120	167	25
M	68	67	73	73	66	74	91	92	122	156	184	211	221	226	226	224	211	210	208	205	192	174	156	83	150	49
GM	135	130	105	90	75	75	90	105	130	150	170	200	200	200	200	190	180	180	180	180	170	150	135	150	150	150

AUGUST

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	60	-10	-30	80	100	80	130	170	200	200	210	290	270	210	210	200	230	230	200	200	190	150	140	161	51	
2	130	110	90	80	70	70	80	130	150	200	240	240	250	200	200	180	170	180	190	170	170	130	150	153	25	
3	140	120	110	110	80	75	75	90	110	135	170	200	215	215	200	180	180	170	170	180	160	150	150	149	15	
4	180	120	100	75	75	80	90	140	150	170	190	210	200	200	190	170	180	180	210	215	190	140	120	155	19	
5	110	110	80	80	70	60	80	110	130	160	200	230	240	230	200	200	190	170	200	240	80	180	120	40	146	35
6	50	120	100	80	80	80	100	110	140	160	190	200	200	230	210	200	220	230	240	220	250	80	80	30	150	35
7	-30	0	-10	50	60	80	80	100	130	170	200	200	200	180	170	170	160	170	180	170	140	140	140	127	33	
8	130	135	100	75	70	80	75	120	140	170	200	200	170	170	170	160	170	180	180	180	170	105	90	144	20	
9	110	70	90	60	60	80	80	140	150	170	190	210	230	220	200	190	170	170	190	200	180	160	140	150	160	25
10	40	80	20	50	80	90	110	120	140	160	200	220	210	190	170	180	190	200	200	170	140	70	50	135	36	
11	100	90	90	90	90	90	60	90	120	135	180	190	200	200	180	170	170	150	160	170	150	140	130	139	15	
12	150	130	90	80	90	90	100	140	160	190	190	190	180	170	170	170	170	180	190	140	150	120	105	143	17	
13	100	90	90	105	105	100	110	110	140	180	200	225	235	215	200	170	170	160	170	180	170	150	50	90	146	28
14	75	80	80	90	80	105	130	130	140	170	200	210	200	200	170	170	170	170	170	170	170	160	140	130	146	16
15	120	90	80	70	50	80	90	110	140	170	190	200	210	210	230	200	170	180	180	170	180	160	110	145	22	22
16	110	110	100	90	60	80	80	140	150	170	190	210	240	230	220	190	170	200	220	240	90	90	110	110	150	36
17	120	120	105	80	60	75	100	130	135	170	200	210	215	215	200	170	150	140	140	140	140	150	150	120	142	19
18	130	110	110	90	75	75	90	105	135	160	180	210	235	200	180	170	170	170	170	170	170	140	130	130	146	17
19	120	110	100	80	80	80	80	80	120	170	200	260	270	260	250	210	200	200	225	225	180	210	-110	-90	146	81
20	-60	-80	-50	30	110	90	170	120	200	240	230	230	190	230	200	180	160	200	250	230	150	80	60	50	134	87
21	-240	-180	-60	-80	60	100	140	150	180	200	210	200	250	250	200	200	180	170	220	210	200	180	110	-20	115	84
22	-120	-60	80	80	80	90	90	120	150	180	230	260	210	230	220	230	220	260	180	230	150	70	120	90	141	90
23	120	-120	-10	50	80	90	100	100	80	170	200	200	170	180	160	140	140	170	70	80	80	90	111	80	111	80
24	-10	-20	10	50	60	80	110	130	130																	

Tromsø.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

JULY 1935

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	PS	NS	AS		
1	13	10	17	0	5	5	5	3	5	10	20	25	27	20	18	3	2	2	3	2	2	5	10	-10	232	0	232		
2	-23	-37	-43	-38	-10	13	0	3	-5	-3	8	13	14	12	-3	7	10	12	5	10	5	-10	-7	-3	117	179	296		
3	-25	-20	-10	0	-2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	-5	-3	2	62	64	
4	8	5	-7	-2	-3	-7	-10	0	2	0	11	13	22	10	2	3	0	5	8	8	12	7	3	5	4	124	29	153	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	10	17
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	-40	-42	-30	-15	-15	-5	-10	-70	-53	-6	-50	-45	-28	-18	77	50	23	50	30	37	17	-3	-5	0	-6	284	434	718	
9	10	8	13	-2	-15	-10	-12	-10	-3	10	13	20	22	22	7	5	13	10	5	3	5	3	0	0	5	169	52	221	
10	-65	-67	-27	-12	-7	-5	-12	-7	0	-2	6	3	0	-5	-8	-7	4	2	8	5	12	-10	-10	-18	-10	56	266	302	
11	-15	-10	-5	0	-2	-10	-7	-15	-15	18	37	22	12	20	15	-5	0	0	0	0	0	0	0	0	0	2	124	84	206
12	-5	-7	-10	-15	-13	-12	-5	2	5	3	15	10	7	-3	0	-2	8	8	13	12	3	-5	-3	0	0	86	93	179	
13	-3	0	3	0	3	0	-5	-13	-15	-7	-3	-3	2	2	-5	-4	-2	5	5	2	8	2	5	1	1	37	65	102	
14	0	-30	-23	-15	3	3	-8	-15	2	15	13	5	2	10	12	25	28	15	15	20	12	15	-5	-45	2	198	141	359	
15	-33	-14	-7	-5	3	2	-5	12	10	18	20	27	20	32	37	38	20	15	5	4	-3	-2	-3	8	8	266	72	359	
16	-17	-17	-18	-15	0	3	5	-10	2	-5	0	7	7	2	2	-5	-12	0	0	0	0	0	0	0	-3	31	94	125	
17	2	0	0	0	0	0	0	10	12	15	13	10	12	12	5	0	0	0	0	0	0	0	0	0	0	4	101	0	101
18	-15	-27	-30	-18	-5	2	-3	-5	-5	0	0	0	0	0	0	0	0	0	0	5	5	-5	-3	0	-5	10	121	151	
19	0	10	-15	-10	5	15	10	10	9	15	28	32	27	32	32	35	16	13	15	4	5	0	0	-25	12	328	50	378	
20	-35	-17	-10	0	0	0	0	0	0	0	13	8	7	10	10	0	0	0	0	0	0	0	0	0	-1	48	62	110	
21	0	0	0	0	0	0	0	5	5	2	8	20	15	10	2	5	0	3	12	15	12	3	0	-7	5	117	7	124	
22	-15	-2	5	10	10	35	23	-20	-11	17	20	15	14	4	-6	3	38	45	30	22	12	25	20	-135	5	343	239	587	
23	-135	-72	-10	-25	7	5	0	-5	-7	3	5	2	7	12	10	6	8	8	3	2	13	5	-5	-7	2	101	259	360	
24	-35	-22	2	10	20	23	10	7	-8	-15	3	0	7	22	7	22	20	15	20	-5	10	0	-85	-75	-2	195	245	443	
25	-135	-167	-55	-6	-115	-107	-5	-33	-18	-5	-40	-57	-53	-3	2	45	68	70	50	25	-8	-7	5	-50	2	265	863	1128	
26	-50	-42	-35	8	13	13	5	0	-5	-8	-7	-8	-13	0	0	0	0	0	0	0	4	-10	-30	-40	39	168	207	277	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	80	84	
28	-20	-12	-5	-2	0	3	5	-5	-5	-10	-12	-20	-18	-6	0	0	0	0	0	0	-3	0	-10	-3	-5	8	131	139	
29	-20	-7	0	2	5	12	22	23	27	16	10	2	2	-5	2	0	3	3	10	-18	-17	-8	-15	3	159	90	249		
30	-33	-32	-20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-4	0	85	85	
31	0	0	0	0	0	0	0	0	7	12	11	7	4	2	-6	0	3	12	27	22	17	7	2	-5	5	133	11	144	
M	-23	-20	-11	-5	-4	0	0	-4	-2	1	4	5	5	7	7	10	8	10	9	8	5	2	-6	-18	-1	124	137	262	
MPS	1	1	1	1	2	5	3	2	3	5	8	9	9	8	8	10	9	10	9	8	6	4	1	1					
MNS	24	21	12	6	6	6	3	7	5	3	4	4	4	1	1	0	1	0	0	0	1	2	8	19					

AUGUST

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	PS	NS	AS		
1	-18	-55	-43	-2	5	0	12	20	17	8	3	3	18	23	10	13	12	23	20	13	13	12	5	5	5	235	118	353	
2	4	0	-3	-5	-6	-6	-5	-10	-6	-4	3	13	13	16	5	11	5	3	5	7	3	5	-3	7	2	100	46	148	
3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10	
4	12	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	17	13	3	3	3	65	3	68	
5	-3	0	-5	-2	-3	-8	-5	0	-6	-5	0	11	13	8	8	11	8	2	12	25	-30	10	-5	-30	0	108	102	210	
6	23	5	0	-5	-3	0	2	0	0	-4	-3	-2	11	10	11	17	20	25	17	30	-22	-20	-33	3	171	94	265		
7	-48	-35	-35	-15	-3	0	-2	-6	-6	0	0	-2	-7	-2	0	-2	3	5	3	3	-2	3	2	-6	21	165	186		
8	4	10	0	-5	-6	0	-5	2	0	-2	0	0	-9	-5	-5	3	0	0	0	0	8	-10	-13	-1	27	60	87		
9	0	-12	-3	-10	-8	-3	-2	7	2	-2	-3	3	-8	8	5	3	3	8	13	5	2	0	0	-26	0	74	69	163	
10	-26	-10	-28	-12	0	2	5	2	0	-5	0	6	3	-5	-2	0	5	8	10	13	3	-5	-22	-28	-4	57	143	200	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	8	0	0	0	1	18	0	18	
12	10	7	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	7	-7	0	-5	-8	0	27	20	47	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-30	-13	-2	2	43	45	
14	-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	13	13	
15	2	-5	-5	-8	-10	0	0	0	0	-2	-3	0	3	3	16	10	3	0	5	5	5	5	-20	-8	0	56	61	117	
16	-3	0	0	0	-8	-3	-2	7	2	-2	-3	3	13	8	12	6	3	10	17	25	-25	-20	0	0	2	106	66	172	
17	0	0	0	-3	-8	-3	2	0	-3	0	0	3	5	5	0	0	0	0	0	0	0	0	-5	-3	0	29	20	49	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	28	7	35
19	2	3	0	-5	-3	-3	-5	-10	-8	-2	0	20	23	18	22	13	12	12	20	20	5	20	-80	-73	0	190	109	379	
20	-58	-60	-48	-20	7	2	25	2	17	23	12	8	-5	8	5	3	-3	10	27	23	-5	-22	-25	-28	-4	172	274	446	
21	-118	-95	-53	-55	-8	4	15	12	-8	11	5	0	15	15	8	11	5	3	17	15	10	-10	-48	-10	156	395	551		
22	-76	-55	-5	-5	0	0	0	2	2	3	10	18	3	11	12	18	17	30	5	20	-5	-28	-5	-13	-2	163	194	347	
23	-2	-7	-38	-15	-3	2	2	-6	-23	-2	3	-2	-9	-7	-8	-5	-10	-10	0	3	-32	-25	-20	-13	-12	12	301	313	
24	-40	-40	-30	-15	-8	3	5	4	-6	-9	-7	-7	-5	-7	-3	-9	-7	2	7	10	0	-30	-15	5	-9	33	241	274	
25	-18	-60	-123	-65	-33	-16	-5	2	12	5	-10	-7	-4	-4	-5	-7	-5	-3	-3	0	-3	-2	-7	-3	-15	19	383	402	
26	0	0	0	0	0	0	0	0	0	0	0	0	-2	-7	0	5	-20	0	3	5	7	3	5	-1	25	38	63		
27	7	7	5	2	0	-5	-7	-6	-6	-4	-7	-9	-15	-2	-2	5</													

Tromsø. Declination. D = 3° W + Tabular Quantities expressed in Tenths of Minutes.

Gr. M. T.

Table for October 1935 showing hourly mean values for days 1 to 31. Columns include Day, hours 1-24, M, and R.

Table for November showing hourly mean values for days 1 to 30. Columns include Day, hours 1-24, M, and R.

Table for December showing hourly mean values for days 1 to 31. Columns include Day, hours 1-24, M, and R.

Tromsø.

Declination, Storminess (+ W). Unit Gamma.

Gr. M. T.

OCTOBER 1935

HOURLY MEAN VALUES

Table for October 1935 showing hourly mean values for declination and storminess. Columns include Day (1-31), M, PS, NS, AS, and numerical values for each hour.

NOVEMBER

Table for November 1935 showing hourly mean values for declination and storminess. Columns include Day (1-30), M, PS, NS, AS, and numerical values for each hour.

DECEMBER

Table for December 1935 showing hourly mean values for declination and storminess. Columns include Day (1-31), M, PS, NS, AS, and numerical values for each hour.

Tromsø. Horizontal Intensity. H = 11400 + Tabular Quantities expressed in Gamma.

Gr. M. T.

JANUARY 1955
HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R		
1	85	-15	27	50	38	35	32	32	32	20	25	42	35	40	38	30	32	45	72	10	-60	-30	5	-2	22	265	
2	-7	-5	-45	-50	20	42	38	38	30	20	42	35	47	45	42	60	55	60	72	-23	55	38	32	22	28	260	
3	10	-32	-23	32	35	38	35	32	28	30	35	25	30	42	57	42	35										
4																											
5	12	30	20	23	42	40	35	35	28	32	30	28	32	38	40	42	42	35	32	30	50	5	22	20	31	70	
6	25	28	30	38	35	32	32	32	32	30	30	30	32	35	35	32	32	32	32	32	32	32	38	28	32	75	
7	28	30	35	38	40	42	45	40	38	38	35	35	38	35	38	38	40	38	45	50	32	28	28	25	37	80	
8	28	32	38	38	42	45	48	48	45	40	40	40	40	38	35	30	28	30	35	40	40	20	-40	5	33	170	
9	-30	30	40	45	48	48	45	45	42	40	38	35	38	38	40	32	30	35	32	30	35	45	45	40	36	110	
10	38	32	32	30	38	40	38	38	38	35	32	35	38	32	32	40	42	55	87	90	80	30	-70	-20	36	260	
11	-5	-210	20	38	38	35	32	32	35	38	38	40	38	70	90	58	38	35	32	32	57	33	28	30	20	440	
12	-10	28	32	30	32	30	30	28	30	32	32	32	38	35	38	35	40	42	38	10	-85	-320	-210	1	540		
13	42	47	38	35	38	38	38	40	38	38	38	35	35	30	35	38	40	38	62	50	45	60	25	28	40	190	
14	30	30	28	22	30	35	32	35	38	38	35	38	38	38	38	38	38	38	38	38	35	35	40	-5	-290	20	460
15	-40	23	30	45	45	40	32	38	38	40	30	30	40	48	48	70	110	77	92	60	40	2	12	-25	39	385	
16	15	38	42	42	42	42	42	40	38	35	32	32	32	38	35	35	42	45	52	50	75	5	-130	31	595		
17	-100	-320	-510	52	55	40	38	2	12	10	70	125	65	200	103	170	100	57	30	15	32	-40	-310	-380	-12	780	
18	-360	-25	-112	-70	30	38	45	42	40	35	35	40	50	38	52	50	60	55	65	-18	2	15	-105	2	515		
19	-120	10	38	42	38	38	35	38	40	32	30	35	60	38	45	55	38	38	70	55	70	85	92	95	41	370	
20	-10	18	-90	22	38	35	35	38	40	32	30	28	30	32	30	35	32	38	35	48	50	-10	25	25	25	250	
21	22	18	25	28	32	28	25	25	40	40	22	40	25	38	40	38	35	42	60	-20	-50	10	-155	-50	15	350	
22	-135	-140	-50	23	48	25	2	35	40	42	42	38	40	42	48	60	35	42	55	48	-30	-260	-260	-255	-19	455	
23	-250	-230	10	52	30	-5	32	35	27	50	20	68	65	105	80	140	50	72	80	20	-32	-270	-20	38	4	635	
24	18	-25	-5	20	32	35	30	32	43	43	25	32	38	40	42	132	130	130	10	-23	10	-85	-315	-90	12	875	
25	7	-135	-55	30	32	35	32	30	40	50	32	40	30	45	45	70	75	70	57	90	20	37	-120	-115	11	335	
26	-190	-110	-55	25	40	40	32	30	40	38	33	38	40	40	45	68	42	30	35	38	40	48	-80	22	14	360	
27	32	30	30	30	32	35	38	38	35	35	30	35	35	42	52	52	67	75	-180	-330	-300	-375	-200	-25	720		
28	-180	-260	-370	-260	-220	-225	-30	-5	30	70	40	42	42	42	40	40	40	42	45	42	40	30	25	38	605		
29	25	-2	12	32	30	32	30	28	25	22	25	28	30	30	30	32	32	32	32	28	28	28	28	28	27	75	
30	-100	-40	-45	20	43	38	32	38	18	33	40	20	20	25	22	28	25	28	30	25	22	28	28	28	17	140	
31	30	30	32	35	35	35	35	30	10	10	7	35	70	80	40	30	32	30	28	23	12	-2	25	0	29	260	
M	-38	-37	-20	17	27	27	30	34	34	35	33	38	42	51	46	56	48	48	50	22	11	-15	-54	-47	18	360	
QM	30	30	32	32	32	33	33	33	33	33	33	35	35	35	35	33	33	33	33	32	30	30	30	30	33	33	

FEBRUARY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	30	28	20	32	30	25	25	13	18	20	50	105	170	280	285	270	235	102	5	-47	-150	-275	-240	-300	30	680
2	-370	-480	-420	-460	-450	-80	-2	5	50	72	48	97	170	180	150	195	200	125	5	50	45	10	-40	-45	-39	955
3	20	32	27	27	30	33	33	10	15	35	210	275	52	10	22	65	55	30	18	-12	-32	-90	-40	36	500	
4	-20	-5	8	18	30	30	30	28	25	20	23	28	28	33	28	25	28	52	65	45	23	7	5	24	110	
5	10	2	20	28	32	32	30	25	23	25	23	35	42	45	40	38	28	25	25	27	-10	-170	-72	14	340	
6	-32	-10	15	28	35	35	30	23	20	15	8	8	8	25	30	35	32	38	38	35	35	27	-7	-5	19	90
7	35	40	40	42	45	48	45	40	38	35	35	38	42	58	72	80	48	40	35	30	45	-100	-195	30	28	340
8	-65	30	48	42	42	38	35	30	28	30	30	30	42	48	45	92	58	35	32	35	25	12	-30	-80	26	335
9	-50	-2	10	48	60	55	48	42	38	32	45	48	48	32	35	40	38	45	62	70	-53	32	15	18	32	245
10	18	18	32	35	32	32	32	35	32	25	30	35	40	38	92	170	123	65	50	40	30	18	-7	44	220	
11	22	30	30	28	28	28	30	28	25	28	28	28	28	28	30	30	33	33	35	42	35	32	-5	29	165	
12	-100	-130	-10	32	38	32	35	38	38	28	28	35	37	22	25	60	55	75	95	80	43	38	30	-2	26	345
13	-10	-20	-2	35	35	40	35	38	25	30	50	85	90	75	132	170	100	120	65	-165	-310	-460	-230	-590	-31	1095
14	-465	-580	-255	-190	-5	85	60	30	65	97	150	120	175	210	87	110	85	55	50	-40	-100	-53	2	-60	-15	1070
15	-215	-35	10	10	20	22	10	30	28	40	30	30	30	32	48	77	70	115	125	15	35	2	-15	10	22	485
16	20	20	35	30	32	36	35	22	30	22	28	30	35	97	122	95	80	-140	65	-10	-10	-145	-195	15	505	
17	-310	-190	10	30	20	45	42	38	30	30	25	17	28	38	30	38	38	40	35	25	-20	-102	-12	-110	-8	505
18	-50	-70	-160	-40	32	42	42	30	28	20	25	38	32	30	40	45	53	53	32	-125	-215	-45	-65	-140	-15	450
19	15	22	22	20	32	38	38	40	40	45	53	53	32	30	38	35	43	77	45	32	32	28	30	38	130	
20	30	30	32	32	30	28	35	38	38	30	20	25	30	57	95	92	77	-10	-160	-140	-123	-180	-215	-3	410	
21	-120	-155	-60	58	45	35	35	40	30	23	40	52	50	62	52	70	102	72	127	50	-115	-280	-140	-45	1	640
22	-180	-150	-45	-5	-17	50	40	38	32	30	25	25	28	33	35	35	32	33	35	-2	5	32	30	25	7	305
23	10	5	5	30	38	28	20	38	30	25	25	38	45	45	37	30	45	48	42	-5	-22	-27	-280	-155	4	370
24	-55	-30	35	40	35	32	30	28	18	18	20	50	90	160	190	190	250	127	-40	-25	-180	-180	-90	-85	26	545
25	-57	-230	-210	-70	-65	-20	10	22	30	25	55	42	60	80	48	20	30	38	38	38	50	55	42	30	3	435
26	3	-50	-85	-57	-8	17	15	28	22	10	30	62	122	190	165	235	80	87	53	55	15	-90	-70	-60	32	460
27	-42	25	30	27	25	23	28	25	25	25	25	23	30	32	32	27	25	28	28	30	30	27	25	25	24	125
28	28	28	28	28	28	30	30	28	25	20	15	20	22	35	4											

Tromsø.

Horizontal Intensity. Storminess (+ N). Unit Gamma.

Gr. M. T.

JANUARY 1935

HOURLY MEAN VALUES

Table for January 1935 showing magnetic observations. Columns include DAY (1-31), 24 hours of intensity/storminess values, and summary statistics (M, PS, NS, AS, CH). Summary values: M -68, PS 67, NS 52, AS 15, CH -77.

FEBRUARY

Table for February 1935 showing magnetic observations. Columns include DAY (1-28), 24 hours of intensity/storminess values, and summary statistics (M, PS, NS, AS, CH). Summary values: M -96, PS 95, NS 58, AS 37, CH -22.

MARCH

Table for March 1935 showing magnetic observations. Columns include DAY (1-31), 24 hours of intensity/storminess values, and summary statistics (M, PS, NS, AS, CH). Summary values: M -136, PS 95, NS 44, AS 29, CH -11.

Tromsø.

Horizontal Intensity. H = 11400 + Tabular Quantities expressed in Gamma.

Gr. M. T.

APRIL 1935

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R
1	30	30	30	30	28	25	18	8	0	2	5	10	16	20	35	38	40	50	40	33	33	30	28	25	55
2	28	28	28	28	30	28	23	18	8	-5	-8	-3	7	15	18	23	32	35	35	35	33	30	30	28	50
3	32	32	32	35	35	32	25	10	-2	-8	-10	10	18	28	40	38	35	38	38	38	35	33	33	25	55
4	22	-13	-27	18	30	30	25	22	2	-8	-8	-5	8	28	45	48	52	67	55	45	12	-85	-120	-25	9
5	12	30	30	28	28	30	23	12	5	-8	-8	2	22	48	58	52	33	30	35	35	30	-65	-65	18	185
6	-7	28	38	40	38	30	25	15	5	-2	-2	0	7	18	20	25	30	35	35	38	38	35	33	33	75
7	33	33	33	33	33	30	28	25	10	-2	-8	-2	0	10	20	35	38	35	38	38	15	8	-2	-2	20
8	-7	20	25	32	35	30	28	28	13	5	3	-10	25	72	95	50	65	35	38	40	38	22	-30	-112	23
9	30	32	-200	-475	-335	-180	-80	-20	-32	18	70	125	177	340	220	190	125	65	35	20	8	10	18	20	8
10	20	28	30	32	30	27	20	15	0	32	75	-5	150	170	255	265	130	135	-40	-15	-90	-95	-72	-32	44
11	-95	-200	-150	-150	-10	-25	-10	15	40	45	170	235	225	100	320	185	120	-30	-210	-160	-110	-320	-480	-400	-37
12	-200	-10	-130	-40	-10	-100	80	20	25	38	50	60	80	155	130	120	180	60	40	360	-210	-190	-260	-365	-5
13	-240	-420	-330	-130	-40	-8	-10	-5	10	10	50	60	105	130	170	165	85	-20	-150	-20	-40	-340	-390	-150	-63
14	-95	-70	22	38	20	25	35	15	10	15	25	58	75	68	55	80	60	50	40	10	-100	-97	3	-25	
15	-12	-2	-20	-35	12	12	18	10	5	8	15	15	10	22	28	25	35	38	42	38	35	30	30	16	130
16	30	28	30	30	30	20	-5	-8	8	2	8	-10	8	18	35	105	200	145	110	95	30	-60	-162	-400	12
17	-240	-50	-120	-60	10	42	35	18	15	15	-5	-2	0	12	32	90	160	115	105	40	15	5	8	10	500
18	8	10	-15	-50	-110	20	40	30	20	-8	18	30	-5	2	18	30	60	85	68	32	-110	-190	-92	-102	-9
19	-190	-70	20	35	32	30	28	22	13	8	5	20	10	50	62	85	78	78	42	35	-100	-120	-105	-140	-3
20	-265	-90	30	38	35	30	25	15	8	12	10	-10	8	20	22	35	33	33	38	40	22	2	-2	5	245
21	-30	-65	-25	10	12	7	12	0	2	-8	-2	2	12	12	35	48	48	52	50	50	-25	-18	-10	10	7
22	20	25	20	28	25	18	8	0	-10	-10	-8	10	15	35	48	65	97	102	80	50	-50	-80	-2	-5	20
23	17	30	35	35	38	32	28	18	8	0	-2	5	62	20	-2	15	25	30	32	40	-60	-240	-300	-150	-12
24	-165	60	-10	38	50	38	22	8	-2	-2	5	15	28	22	35	40	48	50	48	42	12	-92	-55	-48	3
25	10	25	0	-70	-10	28	18	12	8	-2	-5	12	27	38	30	28	32	35	35	30	28	28	30	30	17
26	30	32	32	30	20	18	10	10	8	-2	2	15	38	40	38	50	40	40	28	-100	-100	-30	12	200	
27	-22	20	30	35	30	22	18	10	5	-2	-2	-2	12	20	28	32	35	38	38	35	35	32	25	25	19
28	20	22	22	20	20	20	18	10	5	0	2	12	18	22	27	32	38	42	45	40	38	35	32	24	55
29	32	30	30	30	25	15	8	5	5	8	10	13	18	22	25	28	32	35	38	38	35	35	35	30	34
30	30	30	35	35	32	30	25	12	8	-5	2	18	25	42	40	68	100	70	50	50	30	30	25	34	145
M	-39	-19	-16	-11	6	12	18	12	7	5	15	22	39	53	65	68	69	53	30	40	-10	-54	-63	-57	10
CM	30	30	30	30	28	23	18	13	10	10	10	13	18	22	27	32	35	35	35	35	33	32	30	25	330

MAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R
1	32	40	40	38	33	28	22	10	-2	-8	-5	-3	25	120	320	295	330	165	125	40	-50	-25	-100	-720	31
2	-570	-375	-275	-130	-10	45	28	12	0	15	32	23	37	38	38	50	45	52	40	40	37	35	35	28	-30
3	38	35	38	32	28	20	15	12	8	10	25	52	62	60	37	25	33	50	35	26	18	12	15	30	80
4	25	28	25	20	20	15	10	0	-5	-2	0	15	18	19	18	23	38	32	30	28	18	-10	-25	-12	13
5	-10	13	30	25	22	18	13	8	-2	-2	8	10	10	22	25	27	30	40	30	32	30	30	30	20	55
6	22	25	30	32	30	25	15	8	2	0	-8	5	5	15	30	40	32	30	35	35	32	32	32	32	22
7	32	38	40	40	35	28	20	10	0	-2	2	12	8	17	38	40	50	48	45	40	35	33	30	28	65
8	30	28	25	28	28	23	12	10	0	-8	-15	-10	5	18	20	28	30	38	35	33	28	18	18	20	60
9	30	30	30	30	28	23	18	8	-2	-10	-10	2	10	18	20	28	35	45	45	42	38	30	25	27	70
10	28	30	28	28	25	25	20	15	8	2	2	10	32	15	32	58	135	172	140	78	-140	-240	-75	-110	13
11	-295	-110	-85	5	2	30	20	10	8	15	20	28	10	25	50	35	52	75	30	-50	25	-20	-95	-200	-17
12	-140	-210	-180	-135	-72	-35	30	28	15	0	-2	18	45	85	168	110	42	25	28	22	-17	-590	-285	-60	-38
13	25	0	-70	-60	-10	-10	18	30	25	22	20	5	12	28	38	33	40	38	30	28	30	28	5	-5	13
14	-30	-18	-28	-15	20	28	28	18	8	2	8	18	20	22	40	36	40	36	28	23	18	15	22	28	15
15	30	28	25	22	22	18	18	8	5	18	20	25	28	18	28	25	32	42	48	58	25	-20	-25	-60	18
16	-100	-130	2	30	28	0	-48	-58	-22	20	35	75	38	110	112	98	40	35	28	30	28	28	15	-35	15
17	-80	0	32	38	30	25	17	8	0	-5	5	12	20	18	30	38	38	32	32	35	35	32	28	25	19
18	28	28	28	25	28	22	15	8	0	-2	-2	8	20	28	35	40	48	65	72	10	-120	-265	-240	-250	-15
19	-335	-330	-40	52	45	30	18	8	5	10	8	8	15	28	57	63	48	75	110	70	23	-50	-45	-155	-12
20	-90	-110	-190	-185	-410	-140	-5	-70	-58	0	10	42	85	100	205	110	50	45	48	40	-10	-50	-190	-260	43
21	-140	-25	45	48	35	22	13	8	5	2	-2	-5	7	18	65	65	65	102	80	15	-40	-50	-210	-310	-8
22	-240	-185	-25	20	12	20	40	30	20	35	30	50	75	45	42	23	18	25	42	5	-25	5	23	4	385
23	22	-3	10	22	20	18	12	12	5	-10	2	10	20	32	28	35	55	82	80	40	32	10	-10	12	22
24	0	12	22	25	25	22	20	15	10	8	10	18	25	32	48	52	50	50	42	40	32	20	12	8	25
25	5	-35	-5	30	25	18	10	-2	-10	-18	-12	-8	15	35	45	40	42	40	38	35	35	25	22	15	190
26	22	12	28	30	28	20	12	8	2	0	20	55	87	160	150	92	62	50	60	60	-10	-60	0	27	38
27	35	38	35	35	30	20	18	18	8	2	10	0	30	70	90	58	42	48	55	58	32	-10	5	12	31
28	20	28	18	20	25	28	20	12	2	2	5	25	25	35	38	38	52	50	50	42	38	30	33	27	45
29	32	35	35	30	27	18	12	12	15	5	15	10	12	28	30	45	32	42	65	75	62	35	27	27	30
30	30	27	27	25	30	28	20	12	2	-5	2	45	90	150	152	123	90	60	60	50	-25	-53	-7	-100	35
31	-3	32	38	32	7	-10	20	28	12	2	-2	10	15	38	62	60	65	83	130	30	23</				

Tromsø.

Horizontal Intensity. Storminess (+ N). Unit Gamma.

Gr. M. T.

APRIL 1935

HOURLY MEAN VALUES

Table for April 1935 showing hourly mean values for magnetic intensity and storminess. Columns include Day (1-30), M, PS, NS, AS, CH, and MHS.

MAY

Table for May 1935 showing hourly mean values for magnetic intensity and storminess. Columns include Day (1-31), M, PS, NS, AS, CH, and MHS.

JUNE

Table for June 1935 showing hourly mean values for magnetic intensity and storminess. Columns include Day (1-30), M, PS, NS, AS, CH, and MHS.

Tromsø.

Horizontal Intensity. H = 11400 + Tabular Quantities expressed in Gamma.

Gr. M. T.

JULY 1935

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R		
1	18	25	10	8	18	18	10	2	-10	-13	8	27	30	62	60	50	42	33	33	30	32	32	28	-12	23	135	
2	-110	-90	-55	-8	0	5	18	2	-3	-8	5	15	62	90	87	90	78	65	58	50	18	-8	-25	-18	13	265	
3	-45	2	18	30	30	23	15	-2	-8	-15	-5	10	22	30	42	48	57	52	48	38	40	35	25	-25	19	110	
4	5	20	32	30	27	22	10	-3	-15	-10	5	-5	15	20	28	50	42	58	50	45	35	22	15	-10	20	75	
5	8	23	23	23	18	13	8	2	-10	-20	-18	-10	-8	38	50	65	58	58	50	40	30	23	20	27	21	100	
6	42	42	38	35	33	27	17	5	-3	-10	-7	-5	7	22	30	35	38	38	38	35	43	40	27	30	25	75	
7	32	32	30	25	17	17	15	8	0	0	-5	15	35	45	57	60	58	65	52	45	28	-120	-225	-120	7	395	
8	25	55	40	48	40	18	-15	-60	-10	170	265	375	445	360	235	162	75	20	65	28	-50	-15	20	114	570		
9	45	45	40	38	25	10	10	-5	-5	-2	20	45	68	123	62	100	60	20	15	10	2	-10	-90	-250	16	515	
10	-200	-105	-5	30	30	23	15	-7	-10	-5	-10	-5	12	20	32	45	40	42	45	40	-10	-2	-30	-32	-2	305	
11	15	32	23	27	18	18	10	-5	-7	10	-15	30	-15	5	90	152	145	80	30	27	25	22	16	22	32	200	
12	25	22	-2	7	0	10	2	-2	-5	5	10	25	10	32	18	35	35	47	47	45	25	-5	15	25	17	100	
13	27	20	15	15	12	2	0	0	-2	-5	7	-2	12	25	45	42	25	22	30	32	38	10	23	-5	16	85	
14	-90	-32	5	20	20	8	-2	-7	-2	2	-15	12	30	30	82	105	50	35	28	28	25	-12	-48	-210	3	420	
15	-25	18	27	15	20	12	8	10	-7	10	5	30	100	100	170	183	100	70	50	33	15	8	10	7	40	340	
16	-42	-40	-5	10	12	10	12	10	2	25	8	18	27	48	33	40	75	110	62	30	25	25	22	17	22	190	
17	8	22	17	17	15	8	0	-2	0	-3	-5	8	35	43	50	40	38	38	38	45	38	30	25	8	21	65	
18	-52	-8	15	28	20	15	12	12	5	-5	-5	10	15	25	43	33	33	35	35	38	30	32	32	18	130		
19	32	15	-95	-80	-3	-18	8	18	18	35	35	68	85	110	132	135	92	58	48	40	15	-2	-5	-57	29	370	
20	-65	-48	-2	18	18	20	10	0	-8	-3	23	12	25	15	18	18	35	32	38	35	32	28	32	37	13	135	
21	33	33	28	28	28	25	18	15	8	5	2	-5	8	15	38	65	65	62	68	80	10	-40	-12	-17	23	160	
22	10	43	35	48	42	5	35	30	-20	-10	8	5	40	60	105	110	160	105	75	60	40	32	-310	-580	5	795	
23	-275	-100	50	-5	20	28	38	25	23	18	-2	10	55	132	110	120	52	40	35	27	30	15	-5	-10	18	660	
24	-80	-10	15	27	30	48	40	38	30	42	12	80	120	290	180	145	130	90	120	-2	-80	-185	-330	-240	21	1170	
25	-285	-500	-30	-80	-340	-260	-20	-20	10	42	120	230	200	290	240	220	170	105	5	-10	-80	-75	-25	-10	-4	485	
26	-135	-220	-50	30	28	28	20	12	5	8	8	10	27	25	32	58	43	28	28	30	5	-140	-165	-95	21	155	
27	-5	28	25	13	15	18	12	15	18	25	12	15	30	58	35	20	35	47	55	47	32	-30	-5	-23	21	155	
28	-65	20	28	15	2	-30	-38	-30	-25	-10	-10	-15	2	60	65	70	55	45	45	50	-70	-85	-18	-50	13	155	
29	-83	-90	-30	18	25	20	32	20	18	15	8	12	15	20	38	32	35	38	38	32	25	20	20	20	20	13	155
30	23	17	20	18	15	18	18	8	5	2	13	-5	-15	22	30	70	87	82	82	55	32	28	25	-30	26	200	
31	-40	-24	9	15	8	5	11	3	0	10	16	33	48	77	79	83	70	56	45	37	16	-12	-33	-52	19	295	
M	30	30	28	25	25	22	17	12	7	5	10	15	20	25	30	35	35	35	35	35	32	28	28	28	25	25	
GM	5	20	28	25	22	17	12	7	5	10	15	20	25	30	35	35	35	35	35	35	32	28	28	28	25	25	

AUGUST

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	-50	-215	-40	30	28	20	15	-2	-2	7	20	38	45	142	140	75	48	85	90	70	40	5	15	50	26	420
2	35	32	28	22	17	10	5	-5	-10	-15	-22	12	40	95	100	78	40	27	30	25	18	-5	-2	8	23	300
3	10	5	10	20	28	23	20	12	3	0	-7	2	15	42	60	70	58	33	28	30	25	27	5	12	22	90
4	20	27	25	27	23	20	13	3	-5	-3	-2	8	15	25	25	30	38	42	38	48	48	15	-15	-2	19	95
5	-5	-12	-2	15	22	20	10	-3	-12	-15	-12	5	12	18	12	20	27	25	35	60	30	28	-25	-43	9	170
6	-35	25	32	25	20	12	8	2	-2	-8	10	2	12	50	145	150	70	48	55	48	-30	-180	-140	-130	7	400
7	-240	-55	20	20	27	12	10	2	-2	-27	-25	3	20	32	35	43	42	42	35	30	23	20	12	3	2	365
8	2	5	15	20	20	18	12	2	-2	-8	-5	5	20	53	32	20	27	38	32	25	13	-45	-13	13	150	
9	2	20	30	20	22	10	18	8	0	-3	-8	10	5	15	18	20	25	32	48	60	48	30	-2	-30	17	170
10	-25	10	-2	30	20	20	18	8	-3	2	2	8	5	5	12	22	38	57	80	55	30	8	-65	-50	12	250
11	23	30	30	27	18	12	5	2	2	-2	5	13	25	23	23	28	45	48	48	38	30	23	23	25	23	65
12	25	23	22	22	20	17	13	8	-3	-5	-5	-3	8	18	18	20	28	33	38	38	32	15	10	8	17	80
13	15	18	22	22	15	15	7	3	-2	-5	-7	-5	8	30	30	22	20	23	30	38	38	-50	-70	-65	6	220
14	-2	20	28	25	23	18	10	3	-2	-2	10	22	25	28	28	30	32	30	38	35	30	25	20	20	21	110
15	15	13	18	18	18	15	10	7	-3	-5	2	25	30	40	50	57	33	28	28	40	35	20	18	15	22	90
16	15	20	8	18	15	13	10	5	-2	-5	3	22	30	50	65	83	65	62	62	65	-100	-30	20	25	22	360
17	25	22	7	12	18	10	8	0	-8	-8	2	12	25	22	20	22	20	22	20	30	30	28	20	18	16	50
18	20	28	28	25	22	15	8	2	-3	-10	-7	15	25	30	28	28	35	42	52	45	30	25	18	18	22	475
19	23	28	32	28	30	25	20	13	-2	-12	0	27	-5	130	160	130	97	105	100	60	20	-65	-310	-255	16	600
20	-260	-190	-135	-10	30	10	10	8	-15	-25	10	25	23	80	30	50	75	112	87	48	-105	-130	-195	-190	-27	465
21	-320	-235	-65	-130	-25	15	12	10	15	20	105	125	110	85	18	78	85	87	42	32	20	13	-180	-435	-24	655
22	-375	-60	30	30	28	25	15	8	2	-18	33	42	140	130	97	97	135	32	15	-110	-330	-105	-20	-150	-13	720
23	-220	-260	-75	10	10	35	12	10	12	15	5	45	37	32	35	53	43	25	40	40	-45	-65	-65	-80	-14	480
24	-185	-100	-55	17	30	23	13	8	3	-10	-8	0	35	75	60	35	58	60	58	30	-30	-155	-40	-12	-4	315
25	-120	-320	-280	-190	-120	-50	-10	8	-5	-12	5	5	10	32	60	72	53	32	23	20	18	15	18	22	-30	455
26	20	20	23	23	18	13	3	0	-3	-3	5	2	8	8	30	35	38	60	80	30	25	15	15	18	20	160
27	18	18	20	18	18	13	8	-3	-8	-5	-10	20	20	40	47	23	32	35	50	-5	40	10	-30	16	335	
28	-110	10	25	22	27	18	2	5	-5	2	0	12	20	20	65	52	115	112	-30</							

Tromsø.
JULY 1935

Horizontal Intensity. Storminess (+N). Unit Gamma.

Gr. M. T.

HOURLY MEAN VALUES

Table for July 1935 showing magnetic observations. Columns: DAY (1-31), 1-25, M, PS, NS, AS, CH. Rows include hourly data and monthly means (MPS, MNS).

AUGUST

Table for August 1935 showing magnetic observations. Columns: DAY (1-31), 1-25, M, PS, NS, AS, CH. Rows include hourly data and monthly means (MPS, MNS).

SEPTEMBER

Table for September 1935 showing magnetic observations. Columns: DAY (1-30), 1-25, M, PS, NS, AS, CH. Rows include hourly data and monthly means (MPS, MNS).

Tromsø.

Horizontal Intensity. H = 11400 + Tabular Quantities expressed in Gamma.

Gr. M. T.

OCTOBER 1955

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	-2	-10	5	12	7	-12	-10	-30	12	-8	5	-25	2	-5	5	15	20	25	32	35	20	-30	25	30	5	200
2	5	15	12	15	15	15	15	5	-5	-5	-7	-5	2	7	7	15	22	40	35	30	25	-180	-250	-7	420	
3	-10	12	12	10	8	8	10	10	5	2	-8	-8	-5	-5	2	7	12	15	15	23	30	25	17	2	160	
4	-15	2	15	15	15	15	13	8	0	-5	-5	-10	-7	10	20	20	32	25	35	20	-65	2	7	5	190	
5	-2	-25	-7	12	15	15	12	5	-5	-12	-12	-8	0	-2	10	18	23	23	20	20	18	15	12	15	7	125
6	13	15	15	15	15	12	8	0	-5	-10	-10	-8	0	5	10	12	15	18	22	22	22	25	22	-5	10	90
7	-210	-50	20	20	18	18	15	8	-2	5	28	90	45	30	25	25	15	20	32	32	-120	-50	-8	1	390	
8	15	15	15	15	15	12	5	-2	-8	-12	-8	2	30	35	25	25	27	0	15	10	-40	-160	-60	-1	300	
9	-30	-40	-10	15	10	10	8	0	-5	-8	5	-10	2	10	17	10	22	20	20	17	10	-7	8	-5	3	130
10	-15	-15	-45	-110	-25	8	8	3	-5	-10	-8	-3	10	30	55	90	95	-30	-160	40	12	-120	-120	20	-12	560
11	10	5	12	12	20	15	10	2	-5	-5	-5	3	28	65	150	230	220	-100	-310	-40	-120	-110	-100	-170	-7	850
12	-220	-230	5	25	25	22	20	12	5	-2	-5	-2	0	8	17	15	18	18	18	18	15	20	20	-8	505	
13	10	-5	-35	25	20	20	18	5	-2	-8	-8	-10	-10	-2	5	8	12	20	20	22	15	15	15	20	5	115
14	20	20	20	15	-20	-10	5	-7	2	-3	10	7	5	2	12	28	25	23	10	-75	-240	-42	-5	-2	355	
15	-10	-175	-255	-40	-15	-15	16	12	10	5	15	63	48	20	145	85	45	70	-40	-250	-385	-240	-80	-65	-43	680
16	-40	23	-2	-30	-60	20	-10	-15	-15	-8	10	8	15	65	85	77	75	20	-15	-55	-18	-5	-5	-23	4	300
17	-100	-20	-3	3	25	8	-5	8	-5	-13	-3	32	50	40	115	120	145	100	-80	-130	-240	-235	-300	-210	-28	565
18	170	-400	-120	5	8	-5	-5	30	-12	-6	20	5	0	5	8	10	25	45	0	0	10	-25	-30	-20	-28	540
19	-155	-20	8	10	15	12	12	8	-5	-5	-5	-10	15	10	8	12	20	10	-125	-50	-90	-125	-850	-29	445	
20	-125	-45	10	20	18	10	25	15	8	20	50	210	390	280	110	20	60	-65	-100	-100	-410	-390	-90	-80	-6	1175
21	-80	-25	-5	-5	0	-5	-5	48	18	10	70	160	110	140	80	80	60	-110	-270	-220	-290	-140	-545	-260	-49	1115
22	-30	10	-170	-10	-65	10	63	5	-10	10	50	80	97	42	35	85	100	50	38	-70	-300	-115	-90	-40	-9	615
23	-2	-30	-65	-55	20	23	23	10	8	-10	3	5	8	8	8	10	10	10	15	-10	-15	5	-15	-1	130	
24	-60	-35	0	17	20	18	-8	-55	-50	35	100	200	97	175	50	30	130	60	-8	-18	-12	-15	3	-25	27	680
25	-25	-90	-60	-10	-10	-8	2	-5	-10	-18	-20	-10	-3	-2	2	10	8	18	23	25	-120	-140	-150	-450	-43	720
26	-120	-38	-10	12	12	10	8	0	-8	-5	-5	-5	0	2	8	8	10	10	8	5	5	-43	-30	-7	345	
27	-10	-45	-50	-85	15	18	18	-10	-8	2	-3	23	80	225	250	248	160	-110	-45	-70	-90	-80	-340	-250	-4	830
28	-105	-300	-180	-45	-10	18	15	20	20	15	-2	18	23	75	63	60	140	-50	20	20	-75	-80	-120	-73	-24	595
29	-10	-15	-45	-45	3	5	10	8	10	-5	25	45	50	100	105	40	95	58	-25	23	10	0	-25	-58	15	280
30	-80	-125	-150	-55	-12	-35	-80	30	97	118	112	190	245	260	245	170	40	-60	-15	-60	-13	-30	-45	-20	30	530
31	-8	-8	-25	-20	-17	-45	-60	-10	20	50	68	160	210	185	230	100	25	-2	-10	-2	-5	-2	-185	-210	18	645
M	-50	-53	-35	-7	2	6	5	5	2	4	14	38	48	58	61	53	55	6	-24	-24	-66	-69	-87	-82	-6	470
QM	15	15	15	15	15	15	10	5	0	-5	-8	-8	-3	0	5	12	15	18	18	18	18	17	17	17	10	

NOVEMBER

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	-18	0	-8	-5	-5	-8	-8	-2	5	-3	-12	8	8	10	30	35	10	18	15	7	10	2	-50	-30	0	135
2	-115	-70	-10	5	23	30	18	15	10	2	8	5	12	8	12	20	35	60	50	-25	-180	-380	-155	-190	-34	705
3	-250	-145	-90	-15	15	20	30	38	15	8	3	8	12	18	33	75	45	20	10	-125	-80	-110	-115	-24	515	
4	-20	10	10	8	10	12	17	17	8	-2	-3	5	2	2	5	8	10	10	10	15	15	8	10	7	65	
5	0	-10	-35	12	15	18	15	8	-2	-5	18	18	50	40	150	100	30	-340	-140	-260	-100	-420	-590	-59	1005	
6	-255	-60	-140	-170	-90	10	-30	20	-20	15	35	30	10	10	8	12	10	10	10	8	5	0	0	3	-24	455
7	5	8	8	10	10	13	12	7	-2	0	2	0	10	0	18	80	90	115	40	18	-30	-5	3	10	14	235
8	-40	-5	-15	10	20	15	2	-3	-8	-12	0	10	0	18	80	90	115	40	18	-30	-5	3	10	14	235	
9	10	10	10	12	12	10	8	2	2	5	-3	-3	0	2	8	10	12	17	15	23	25	-65	-170	-15	-2	295
10	30	30	15	12	10	10	8	3	0	-2	-2	0	3	8	8	10	10	20	25	25	22	18	15	15	12	55
11	15	15	12	12	12	12	10	10	8	15	18	3	5	8	13	45	60	35	-20	-80	-115	-225	-320	-18	565	
12	-150	-120	5	-30	-65	-30	30	20	10	25	20	50	90	50	160	70	-20	50	-10	-10	-75	-110	-125	-440	-27	825
13	-400	-175	30	10	23	50	70	35	20	35	15	25	27	30	125	190	70	-50	-90	-45	-70	-230	-420	-180	-38	845
14	-105	18	0	10	20	10	-15	50	-10	12	-5	0	36	60	105	180	100	35	-20	-280	-240	-135	-120	-40	-14	675
15	-30	-82	-40	10	5	8	10	22	10	2	2	2	2	2	5	8	5	5	5	5	5	5	5	5	-1	160
16	5	5	8	8	8	10	8	8	8	-3	-3	-5	5	25	32	70	92	90	95	90	40	8	-30	-12	23	240
17	-40	0	2	5	15	20	12	10	12	15	15	12	15	5	8	10	32	85	40	15	8	8	8	8	13	190
18	5	0	3	0	8	10	10	5	3	3	0	-2	5	10	20	42	115	50	10	35	20	20	-150	-240	-1	570
19	-60	-62	-55	-20	30	20	15	-5	-5	35	23	35	108	82	28	50	18	40	20	5	-15	-110	-130	-30	1	365
20	20	20	8	5	10	10	5	10	0	-8	-5	10	70	100	130	155	60	20	15	0	-32	-160	-70	0	16	515
21	0	-8	0	8	-5	8	-2	5	8	2	8	20	28	25	32	30	25	8	2	2	2	2	3	5	9	90
22	5	5	5	5	8	8	8	8	5	2	0	3	10	18	22	25	30	23	15	15	-18	-28	-200	-1	385	
23	0	10	15	18	20	18	12	10	10	10	8	10	20	15	12	28	30	13	8	2	2	5	5	8	12	215
24	8	10	10	10	12	10	5	12	10	12	10	10	13	10	12	12	15	20	70	50	42	20	30	8	18	160
25	-65	10	15	12	12	10	10	10	10	12	10	8	13	20	25	25	23	35	27	18	18	10	15	5	12	170
26	-2	7	-2	15	18	15	12	10	8	5	3	3	5	10	10	10	10	10	10	20	3	10	8	-13	8	135
27	0	-2	10	10	10	10	10	15	10	12	8	12	12	10	18	32	105	55	-50	-230	30	25	0	7	5	540
28	-12	-9	-8	0	3	5	10	5	5	5	10	8	10	23	32	38	73	-20	-5	-55	-80	-15	0	2	185	
29	5	-3	-8	12	28	25	28	25	22	28	20	25	23	12	18	25	19	20	28	-50	-270	15	48	5	500	

Tromsø.

Horizontal Intensity, Storminess (+ N). Unit Gamma.

Gr. M. T.

OCTOBER 1935

HOURLY MEAN VALUES

Table for October 1935 showing magnetic observations. Columns include DAY (1-31), 24 hourly values (1-24), M, PS, NS, AS, and CH. Data includes values like -17, -25, -10, etc., and summary values at the bottom.

NOVEMBER

Table for November 1935 showing magnetic observations. Columns include DAY (1-30), 24 hourly values (1-24), M, PS, NS, AS, and CH. Data includes values like -26, -8, -18, etc., and summary values at the bottom.

DECEMBER

Table for December 1935 showing magnetic observations. Columns include DAY (1-31), 24 hourly values (1-24), M, PS, NS, AS, and CH. Data includes values like 50, 40, -25, etc., and summary values at the bottom.

Tromsø.

Vertical Intensity. $V = 50200 +$ Tabular Quantities expressed in Gamma.

Gr. M. T.

JANUARY 1935

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R		
1	55	32	20	25	22	35	33	40	60	70	48	48	45	48	48	45	40	40	42	28	-40	-30	-20	3	31	299	
2	10	8	5	-50	-50	10	22	28	35	55	65	52	48	48	52	80	48	45	40	-45	-15	30	30	30	24	177	
3	25	5	0	20	30	30	33	42	45	40	50	70	55	36	42	50	52										
4																											
5	8	12	25	5	15	23	25	28	38	42	48	48	45	50	52	70	58	-40	10	32	40	30	-2	-15	28	129	
6	25	30	30	30	35	40	40	38	38	38	38	38	38	38	40	40	40	40	38	35	35	22	15	22	38	41	
7	25	28	30	30	30	30	30	30	30	30	30	32	32	32	32	37	50	50	35	22	18	20	20	31	61		
8	25	28	30	30	30	30	30	30	30	30	30	30	30	35	43	35	40	40	48	52	38	20	-25	5	30	95	
9	-30	5	22	28	28	30	30	30	30	30	32	32	35	32	30	40	50	57	52	50	55	50	30	28	32	85	
10	32	35	30	30	30	32	32	32	32	32	35	35	32	35	40	55	55	60	62	60	58	48	-2	-35	35	122	
11	15	45	55	5	22	22	28	32	30	30	32	35	45	75	80	40	50	33	35	30	30	23	28	15	35	163	
12	-15	20	28	30	30	30	32	32	35	35	38	38	32	35	40	45	48	38	25	8	-20	25	-90	25	299		
13	-35	30	28	20	15	16	28	38	32	32	32	35	40	45	40	40	48	42	20	40	30	28	-38	30	136		
14	38	38	40	30	30	28	28	30	38	38	35	35	38	40	40	32	32	30	32	38	35	60	-15	33	224		
15	-90	-15	12	30	30	20	25	32	35	38	40	42	63	55	42	42	65	60	55	45	30	5	20	5	29	244	
16	0	30	40	40	35	35	35	35	35	40	40	40	42	40	40	40	40	30	38	55	30	-20	0	31	258		
17	-110	130	20	-90	-20	-5	20	42	58	50	50	60	32	10	70	10	45	60	48	50	45	0	-50	-95	18	414	
18	-140	-15	30	-20	-15	-5	20	25	30	40	45	50	45	70	68	30	52	18	20	30	-70	-5	25	15	14	360	
19	-95	-20	30	30	35	35	28	28	42	45	42	45	65	50	48	50	40	42	65	58	-5	22	30	15	30	231	
20	-10	12	-15	-10	25	20	22	25	28	32	38	38	38	38	38	35	35	38	40	50	25	30	10	35	26	122	
21	32	20	28	28	28	18	8	25	40	35	28	48	45	42	35	38	38	30	-40	-120	20	80	2	25	360		
22	140	-60	-70	-10	30	20	15	12	18	25	42	45	45	45	45	75	80	55	55	58	5	-75	70	200	36	502	
23	70	5	-55	12	-10	-40	-15	8	25	42	40	50	70	78	80	65	75	72	40	10	135	-80	-60	20	27	421	
24	22	30	-15	-10	-2	12	15	25	35	38	48	45	38	45	50	30	2	10	-20	-70	2	-40	120	-50	15	482	
25	-12	28	5	0	25	25	30	32	35	40	45	48	50	45	60	80	78	72	20	-100	-5	35	70	-70	27	319	
26	-35	-20	-35	5	10	25	25	28	35	38	35	38	50	52	55	60	80	45	48	42	48	50	32	-10	28	183	
27	28	30	30	30	30	30	30	28	32	35	38	38	38	35	38	25	-15	5	70	130	170	102	43	401	401		
28	110	225	225	-70	-155	-75	-95	-78	-39	0	28	40	28	25	45	40	48	50	52	30	40	40	52	25	536	536	
29	48	40	25	38	40	40	35	35	40	40	40	40	40	38	38	35	35	35	35	38	40	40	40	40	38	34	482
30	38	35	32	32	32	32	32	38	40	40	55	58	72	82	85	65	52	52	42	40	23	-10	12	26	42	136	
31	10	-28	-20	-20	10	15	25	22	40	87	63	63	50	30	35	35	38	38	35	32	28	28	25	22	28	143	
M	5	25	20	8	13	19	22	26	33	39	41	44	44	45	49	46	47	41	37	25	21	13	26	12	29	244	
QM	28	30	30	30	32	32	32	32	33	35	35	38	38	38	38	35	35	35	35	35	35	33	30	28	33	33	

FEBRUARY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R	
1	22	30	28	15	28	30	28	30	38	65	62	88	85	90	5	-60	-110	-40	-60	65	150	220	260	240	55	659
2	340	220	30	100	-97	-75	-38	0	12	33	50	50	40	88	60	0	-60	-100	-120	-30	65	75	108	60	33	720
3	30	45	50	45	42	38	35	32	42	57	60	-5	-30	80	60	42	55	55	50	10	15	5	0	-10	37	717
4	15	15	28	28	32	35	35	35	38	42	38	48	48	48	48	45	45	42	58	40	35	5	5	35	61	61
5	20	18	22	30	30	30	32	32	35	38	40	42	48	48	65	68	70	55	42	40	35	30	60	-30	37	210
6	-30	-8	12	22	18	8	13	25	32	35	42	45	42	40	40	40	40	45	50	48	40	30	7	-35	25	102
7	0	22	25	22	22	22	30	30	32	32	35	35	35	38	80	80	65	50	45	42	58	70	50	0	38	183
8	15	12	42	35	38	30	32	32	40	40	40	40	45	50	42	42	80	90	58	45	42	-5	-25	-32	35	163
9																										
10	28	28	32	35	30	32	28	35	38	45	45	40	40	40	40	50	40	70	80	65	52	45	30	10	41	75
11	25	30	32	30	32	35	38	38	38	35	35	38	38	35	38	35	32	32	32	38	40	40	28	10	33	95
12	-55	-70	-22	10	28	28	32	40	38	38	38	38	45	50	48	60	52	75	80	80	60	50	35	20	33	163
13	25	40	38	30	-20	35	15	12	25	30	38	70	67	70	-20	55	60	10	-70	10	170	210	-20	38	808	
14	30	60	40	50	-140	20	10	32	50	57	30	25	50	20	80	20	2	-15	10	-20	-50	-10	-2	15	13	693
15	20	12	10	15	32	20	18	25	40	42	38	45	42	42	60	70	60	25	28	75	30	50	25	40	36	238
16	32	35	42	42	40	32	38	40	38	38	40	45	52	70	60	70	50	20	-80	20	35	22	30	50	36	326
17	65	-70	-10	20	30	20	40	42	45	60	52	38	32	48	55	48	48	55	35	30	0	-80	-10	20	26	251
18	-25	12	-25	-60	-20	5	18	25	35	42	60	55	42	42	45	50	68	58	25	-145	-65	0	20	15	12	163
19	10	25	25	22	30	35	35	40	35	35	35	40	35	38	60	50	45	48	40	40	38	30	25	30	35	81
20	32	32	30	30	25	22	18	20	20	28	30	20	32	38	42	80	60	10	-30	-120	-40	30	80	50	22	312
21	80	40	-65	15	25	10	25	28	40	50	100	60	40	75	55	55	-75	20	30	-110	20	-25	22	24	380	
22	50	-52	-35	0	-15	5	30	38	40	42	45	50	40	32	50	42	35	48	10	-15	-2	25	35	28	22	217
23	15	20	10	15	15	20	20	30	35	35	30	35	62	50	55	40	48	60	40	35	10	75	-20	-10	30	278
24	-40	-40	10	25	30	35	35	38	38	38	42	60	80	60	40	10	-50	-70	-60	52	70	140	110	60	30	489
25	80	115	25	-75	-85	-60	-30	0	35	48	58	52	55	60	70	50	35	35	40	42	42	42	42	38	30	326
26	40	30	-35	-65	-50	-20	-20	0	20	38	50	60	60	40	90	50	-10	-50	20	38	25	25	50	55	18	190
27	20	28	38	25	30	32	30	30	30	40	45	45	45	50	50	48	40	40	40	40	30	22	28	30	36	66
28	35	35	35	35	32	32	32	32	35	40	40	40	42	42	45	45	60	58	52	45	40	35	15	-10	37	75
M	31	24	15	18	6	1																				

Tromsø.

Vertical Intensity. Storminess (+ Down). Unit Gamma.

Gr. M. T.

Table for JANUARY 1935 showing hourly mean values for days 1-31. Columns include DAY, 1-23, M, PS, NS, AS. Values range from -118 to 195.

FEBRUARY

Table for FEBRUARY showing hourly mean values for days 1-28. Columns include DAY, 1-23, M, PS, NS, AS. Values range from -12 to 308.

MARCH

Table for MARCH showing hourly mean values for days 1-31. Columns include DAY, 1-23, M, PS, NS, AS. Values range from -83 to 167.

Tromsø.

Vertical Intensity. $V = 50200 +$ Tabular Quantities expressed in Gamma.

Gr. M. T.

APRIL 1935

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R			
1	42	42	43	43	43	43	45	45	45	45	48	48	48	48	50	42	42	45	18	30	28	25	35	41	61			
2	40	40	40	40	42	42	42	42	42	40	40	42	45	48	43	40	40	40	40	38	33	35	40	41	20			
3	40	40	40	40	40	40	40	40	40	38	38	38	38	38	38	38	38	38	38	32	32	32	35	41	34			
4	38	25	0	10	25	30	32	38	38	35	38	42	53	58	85	70	65	50	42	40	38	-80	-35	33	190			
5	0	22	32	35	33	35	40	40	42	45	45	43	45	60	70	80	70	45	38	38	38	38	45	-39	149			
6	-38	10	27	30	32	40	42	45	45	45	40	40	40	40	40	40	40	40	40	40	40	40	38	38	35	95		
7	38	38	40	40	38	38	38	38	40	40	40	42	45	45	42	40	40	40	38	8	-10	-30	-25	31	88			
8	-15	3	12	15	-2	-8	-8	20	35	38	35	40	38	62	92	90	50	55	40	42	45	65	23	18	98			
9	15	23	110	-35	-165	-88	-30	20	52	53	45	55	62	20	30	42	80	62	67	52	52	48	48	48	29	380		
10	35	32	40	40	40	42	42	42	42	30	50	60	15	52	-40	-100	60	-48	3	-60	150	245	165	44	577			
11	220	360	90	-50	-75	-10	-20	70	80	60	25	-45	-12	20	-155	-10	32	-50	-30	-10	80	450	40	-280	32	937		
12	-90	-2	12	-20	-2	10	28	60	62	63	65	65	60	70	52	-10	10	42	72	-35	-20	260	80	38	502			
13	200	95	30	-50	-30	10	10	20	50	55	52	100	82	80	50	27	-25	-70	50	70	110	300	-20	-102	46	567		
14	-40	40	35	48	52	52	52	50	50	55	58	60	80	85	85	70	70	50	30	30	-2	-45	-2	10	41	177		
15	15	20	25	30	12	22	25	35	38	42	55	58	58	55	55	42	48	42	48	50	50	45	50	41	61			
16	50	52	52	52	50	55	50	42	38	40	40	60	50	55	58	52	23	20	60	65	57	80	170	-20	52	475		
17	-110	-20	-20	-32	-20	20	38	40	43	50	45	45	48	50	52	65	85	82	60	40	40	67	42	48	32	258		
18	40	45	38	10	40	-10	40	45	53	45	32	50	70	50	52	55	70	58	50	50	28	80	100	48	251			
19	-20	5	35	45	50	50	50	50	50	50	55	60	72	62	70	65	65	70	68	50	-30	-50	-45	10	37	156		
20	25	-40	10	40	48	50	50	50	50	50	57	45	35	38	45	50	60	55	50	52	48	45	22	15	40	116		
21	18	10	-5	5	12	0	10	32	38	42	40	42	45	55	50	65	75	70	60	52	30	0	2	12	32	95		
22	15	38	40	40	42	42	42	45	45	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
23	42	55	58	52	50	55	50	50	50	52	60	85	95	120	70	65	68	65	48	50	92	50	190	110	70	299		
24	80	5	20	12	38	50	50	55	55	53	52	50	60	60	60	63	50	55	58	50	30	-2	-5	-15	41	251		
25	8	30	32	28	-12	10	35	40	42	45	48	50	48	70	62	60	50	48	48	50	48	45	42	42	40	88		
26	48	50	50	50	50	48	45	45	48	55	62	58	58	63	75	85	65	55	48	50	45	10	-67	-30	44	149		
27	-10	-15	20	35	40	40	43	45	45	45	48	48	48	50	52	52	50	48	48	45	45	43	40	33	39	81		
28	42	45	50	48	48	48	48	50	50	40	40	40	40	42	45	50	57	55	52	50	42	42	47	50	47	20		
29	50	50	50	48	45	43	43	43	43	43	45	45	40	40	42	45	48	48	43	40	40	40	40	40	40	20		
30	36	42	42	42	40	40	40	40	40	42	38	35	42	72	55	68	60	60	62	58	50	45	40	38	47	61		
M	27	38	35	23	20	28	34	43	46	46	46	46	48	50	56	46	50	51	43	45	42	42	55	46	18	41	265	
QM	40	42	43	43	43	43	43	45	45	45	43	43	43	43	43	43	43	42	42	42	40	40	40	40	43			

MAY

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R		
1	40	45	50	50	48	48	48	45	42	40	38	38	42	5	-20	50	-10	40	0	45	112	102	210	70	49	401	
2	200	190	25	-10	20	40	45	45	50	40	35	43	40	50	50	58	55	52	48	42	48	48	40	55	401		
3	38	45	50	57	57	52	50	45	45	45	40	42	82	70	60	55	48	55	62	55	48	40	42	51	75		
4	50	50	55	55	55	52	50	50	50	50	50	48	53	52	50	60	63	60	55	40	12	-10	12	46	75		
5	52	32	52	58	55	50	50	50	50	45	40	42	42	48	52	55	50	52	58	48	48	48	45	46	41		
6	43	40	45	50	50	50	50	48	48	48	52	52	55	65	60	52	50	48	48	48	45	45	45	50	27		
7	42	42	45	48	50	50	48	48	48	45	42	45	50	62	60	70	65	58	58	55	50	50	50	50	51	41	
8	50	50	50	45	45	45	48	48	45	45	48	48	50	65	70	65	55	50	50	50	52	45	48	50	51	34	
9	50	50	50	50	50	48	48	48	50	50	48	42	40	45	50	52	55	50	50	50	50	48	45	45	49	14	
10	50	50	50	45	42	42	42	38	40	40	38	35	30	50	45	55	38	-10	60	52	10	80	97	150	49	401	
11	110	70	-10	-5	25	28	28	38	35	30	40	70	70	50	60	60	48	40	10	0	32	40	80	230	49	401	
12	150	190	50	-70	-100	-30	30	40	55	60	48	45	60	75	80	90	80	65	52	48	42	190	-30	-90	47	611	
13	0	20	5	8	-32	8	0	30	40	45	55	48	40	45	45	45	52	58	60	48	48	48	52	43	34	115	
14	10	22	15	-10	5	25	40	50	56	60	62	62	55	60	57	68	70	60	52	48	42	40	42	50	43	95	
15	50	50	50	50	48	48	48	45	42	38	38	38	40	48	40	48	42	45	45	38	40	12	15	10	40	88	
16	10	-50	-60	-10	30	40	72	40	50	60	90	100	70	75	122	100	70	50	42	42	42	42	38	5	45	231	
17	30	-10	30	45	48	48	48	48	45	35	35	38	40	50	48	48	48	42	42	42	42	45	48	50	41	88	
18	50	50	50	45	45	48	48	45	45	42	42	30	30	38	50	52	52	52	60	50	-40	-10	-10	105	41	285	
19	-105	-130	-120	10	42	48	50	50	50	65	40	40	50	65	80	68	60	58	58	50	30	70	55	31	353		
20	-10	20	-10	-53	170	-45	-20	60	63	62	40	35	50	70	40	55	75	75	65	50	32	20	30	30	38	441	
21	0	-35	12	50	62	60	53	50	48	50	50	50	50	55	52	88	80	60	25	40	55	72	120	-70	45	292	
22	-30	-70	-27	25	12	30	48	50	42	45	50	50	66	80	105	70	65	50	38	38	42	13	20	40	35	231	
23	40	42	25	40	50	50	50	50	53	48	38	35	48	55	55	60	60	60	50	48	45	35	28	46	48	48	
24	30	28	35	40	40	45	48	45	43	43	45	48	55	60	62	62	58	50	50	50	48	43	30	46	54		
25	40	25	16	35	40	40	45	48	48	48	48	48	50	50	45	48	50	65	60	50	40	35	40	25	30	43	68
26	38	35	30	30	33	35	42	48	50	45	42	50	80	92	115	110	95	72	60	60	50	10	25	42	54	122	
27	50	52	52	52	50	48	38	40	45	53	60	60	63	70	100	80	55	45	48	52	52	40	40	54	31	83	
28	45	48	42	38	38	45	42	40	40	40	35	30	35	52	82	60	60	58	48	48	48	48	42	46	54		

Tromsø.

Vertical Intensity. Storminess (+ Down). Unit Gamma.

Gr. M. T.

APRIL 1935

HOURLY MEAN VALUES

Table for April 1935 showing magnetic observations. Columns include DAY (1-30), 1-25, M, PS, NS, AS. Data values range from -25 to 180.

MAY

Table for May 1935 showing magnetic observations. Columns include DAY (1-31), 1-23, M, PS, NS, AS. Data values range from -55 to 155.

JUNE

Table for June 1935 showing magnetic observations. Columns include DAY (1-30), 1-23, M, PS, NS, AS. Data values range from -24 to 133.

Tromsø.

Vertical Intensity. V = 50200 + Tabular Quantities expressed in Gamma.

Gr. M. T.

JULY 1935

HOURLY MEAN VALUES

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R		
1	48	48	50	42	48	48	45	45	45	50	42	55	75	82	55	55	62	50	48	42	48	48	45	40	51	75	
2	25	-48	-55	-20	10	22	38	48	50	48	45	40	35	70	95	60	65	68	25	32	38	45	32	34	149		
3	22	25	40	48	50	50	50	48	45	50	48	58	52	60	58	53	57	57	68	58	52	48	48	30	50	48	
4	20	33	48	58	58	53	50	50	48	38	58	42	60	58	53	57	57	68	58	52	48	48	40	50	48	41	
5	35	42	62	62	58	50	45	50	58	58	58	52	60	53	50	55	57	55	60	60	52	50	50	48	53	48	
6	48	48	48	48	50	48	45	40	38	38	38	35	30	35	40	40	43	48	48	45	42	25	25	35	41	34	
7	45	48	50	52	52	42	48	48	48	45	43	48	38	50	90	70	80	78	70	55	50	90	130	15	58	58	
8	5	35	42	45	42	42	57	95	100	95	30	-10	20	5	30	90	85	10	80	52	45	78	60	40	49	170	
9	40	50	50	48	52	45	43	45	32	35	30	50	72	90	95	78	48	65	62	58	52	50	80	23	54	217	
10	-10	-35	-25	15	42	50	52	48	40	42	35	38	42	42	45	60	68	65	60	32	18	28	12	10	32	122	
11	25	40	48	48	50	50	55	53	58	75	75	62	75	62	35	70	73	62	60	50	48	50	50	50	55	75	
12	50	50	52	42	40	30	28	25	25	25	28	35	40	42	50	50	58	55	58	15	5	15	42	50	38	81	
13	50	53	53	50	55	48	50	52	48	40	45	75	52	42	60	58	52	42	42	50	10	30	28	48	81	81	
14	25	-10	20	25	38	40	47	47	38	30	35	30	43	52	52	75	78	40	30	38	35	38	38	-45	35	185	
15	25	15	30	42	40	48	48	48	40	32	30	30	42	85	92	60	52	58	55	50	50	45	50	45	50	165	
16	28	20	18	20	25	30	40	50	58	58	50	35	42	45	40	40	60	65	55	45	38	38	40	35	41	81	
17	28	35	42	40	48	48	42	38	38	38	35	30	38	42	52	52	52	52	52	43	40	42	40	42	27	27	
18	10	2	8	28	40	40	38	35	35	35	30	25	30	35	40	50	50	50	45	38	35	20	28	33	61	61	
19	38	35	-10	-110	-65	-20	-25	23	50	55	52	48	65	62	70	65	75	70	50	48	38	30	20	0	28	217	
20	-40	-45	-5	12	40	48	50	48	38	35	38	42	30	38	28	30	30	48	32	40	42	42	40	42	29	102	
21	40	45	50	50	50	50	43	45	43	45	48	50	60	80	75	80	97	80	67	55	35	5	15	18	51	102	
22	28	35	45	38	42	30	20	55	72	50	45	43	45	102	105	62	60	30	35	48	58	63	265	240	67	523	
23	35	0	30	20	42	45	48	45	58	58	55	58	65	85	95	83	85	70	60	60	55	50	48	25	53	407	
24	20	25	30	43	35	35	43	48	70	100	95	75	120	75	105	87	95	90	30	42	25	123	225	-5	68	393	
25	80	60	-100	-50	100	90	5	78	50	68	105	80	120	50	32	30	40	40	80	95	-90	80	160	-240	40	781	
26	-90	35	0	25	50	55	58	60	62	58	58	55	55	55	55	60	72	62	58	58	55	50	20	-40	30	122	
27	-5	50	58	58	50	52	48	50	52	55	73	62	52	55	65	75	65	58	58	62	45	15	18	20	45	109	
28	25	30	52	55	40	35	13	15	25	42	40	40	30	52	100	87	82	80	83	48	35	35	45	38	45	109	
29	30	42	-5	5	30	45	60	55	55	58	58	52	62	60	68	70	63	58	53	50	48	48	50	49	109	109	
30	58	60	58	55	52	52	50	60	45	48	48	58	60	52	60	80	85	75	55	65	58	50	52	50	57	61	61
M	25	27	26	29	42	44	41	48	49	51	48	46	54	58	63	63	65	58	56	50	38	45	60	24	46	428	
QM	48	48	50	50	50	50	47	45	43	43	43	43	45	48	52	52	52	52	52	52	50	50	50	50	49	49	

AUGUST

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	M	R		
1	55	-40	-40	12	38	50	42	55	60	60	60	82	95	100	135	140	100	75	65	53	62	65	50	50	59	217	
2	60	60	60	58	55	55	50	48	50	58	68	72	95	105	120	92	85	70	62	60	50	40	28	25	64	163	
3	40	50	45	40	48	50	50	45	48	55	68	62	70	90	100	83	70	60	53	45	42	35	42	55	95	95	
4	50	58	55	52	52	52	52	50	43	43	50	60	68	70	70	65	65	58	40	45	48	46	45	54	48	48	
5	45	35	20	28	32	38	40	45	48	48	42	35	40	48	50	42	55	53	45	35	-10	25	10	-60	35	149	
6	-48	-5	32	45	45	48	48	48	50	55	58	60	60	55	87	90	85	65	55	50	45	120	0	60	51	326	
7	140	-35	-10	20	45	48	52	50	55	60	60	55	48	55	60	60	58	58	52	50	42	38	40	35	48	272	
8	40	32	43	48	50	55	53	48	50	50	48	48	40	40	65	80	75	62	50	50	48	-10	-5	46	122	46	
9	8	22	40	48	48	25	25	30	40	43	53	45	48	42	48	48	48	48	50	55	55	50	42	-10	40	95	
10	-20	20	20	22	40	40	42	42	40	40	38	40	47	42	48	42	42	48	48	55	50	48	32	50	-18	35	129
11	30	48	50	50	50	50	48	45	40	40	45	40	45	40	50	50	55	65	58	50	48	48	48	48	68	68	
12	50	53	58	53	50	48	48	42	42	45	40	42	42	45	52	52	50	48	42	48	30	45	40	30	46	54	
13	40	48	48	48	48	43	43	40	38	42	45	58	50	42	50	60	55	48	43	40	30	45	-5	-45	40	158	
14	0	45	48	48	48	50	48	50	45	42	40	48	52	52	58	55	55	60	60	55	50	48	48	48	48	48	
15	42	42	48	50	50	50	48	48	42	45	40	33	45	55	50	70	80	70	53	48	50	48	35	38	49	129	
16	40	42	45	45	48	48	45	43	40	42	45	45	45	55	70	92	90	78	72	55	0	-10	40	52	49	163	
17	55	55	55	52	48	50	50	50	52	50	42	40	40	40	45	48	50	50	48	45	45	40	30	28	46	41	
18	35	48	50	52	55	55	50	48	43	45	38	43	53	75	82	58	58	58	65	68	55	50	45	40	53	65	
19	40	50	50	57	55	55	55	52	50	50	40	50	115	120	110	92	80	80	82	110	92	110	50	0	67	204	
20	70	0	-25	-40	18	40	40	55	73	60	72	80	60	100	95	65	100	75	75	62	110	180	150	195	70	326	
21	180	30	-58	5	-5	20	35	60	60	93	95	112	105	140	110	80	100	70	58	58	58	58	65	140	20	69	373
22	-30	-70	0	30	43	50	52	62	80	80	78	110	100	97	80	55	23	42	10	20	-15	30	80	44	326	44	
23	-23	10	-80	-18	35	48	52	55	95	95	75	70	110	70	60	78	58	48	30	15	25	50	60	45	224	50	
24	40	-30	-27	-5	20	32	35	40	50	58	50	52	60	90	100	83	75	75	70	65	68	50	40	62	48	210	
25	125	70	-40	-165	-160	-95	-60	0	48	40	40	40	50	68	85	85	72	65	55	48	50	50	46	24	401	401	
26	48	45	48	50	50	50	48	48	48	45	50	60	58	62	65	60	62	50	52	45	38	45	48	50	51	54	
27	55	55	58	58	50	50	50	45	45	48	45	48	45	50	50	40	30	28	55	10	32	52	100	48	190	190	
28	30	-3	30	42	40	38	32	4																			

Tromsø.

Vertical Intensity. Storminess (+ Down). Unit Gamma.

Gr. M. T.

Table for July 1935 showing hourly mean values for vertical intensity and storminess. Columns include Day (1-31), hours (1-24), and summary statistics (M, PS, NS, AS). Summary values: M -23, PS 176, NS 231, AS 407.

AUGUST

Table for August showing hourly mean values for vertical intensity and storminess. Columns include Day (1-31), hours (1-24), and summary statistics (M, PS, NS, AS). Summary values: M -8, PS 214, NS 217, AS 431.

SEPTEMBER

Table for September showing hourly mean values for vertical intensity and storminess. Columns include Day (1-30), hours (1-24), and summary statistics (M, PS, NS, AS). Summary values: M 27, PS 484, NS 334, AS 818.

Tromsö.

Vertical Intensity. Storminess (+ Down). Unit Gamma.

Gr. M. T.

Table for October 1935 showing hourly mean values for vertical intensity and storminess. Columns include Day (1-31), M, PS, NS, AS, and summary rows for M, PS, NS, AS.

NOVEMBER

Table for November 1935 showing hourly mean values for vertical intensity and storminess. Columns include Day (1-30), M, PS, NS, AS, and summary rows for M, PS, NS, AS.

DECEMBER

Table for December 1935 showing hourly mean values for vertical intensity and storminess. Columns include Day (1-31), M, PS, NS, AS, and summary rows for M, PS, NS, AS.

Resuming Tables.

Diurnal Variation.
QUIET VALUES.

Declination. Unit Gamma. + West.

Tromsø.

1935	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
JANUARY	-3	-1	-1	0	0	0	0	0	0	2	2	2	2	4	4	2	0	-1	-1	-3	-3	-3	-5	
FEBRUARY	-6	-6	-6	-4	-2	-2	-1	1	3	4	6	6	6	6	4	4	4	4	3	1	-1	-4	-6	
MARCH	-3	-3	-6	-6	-8	-8	-6	-3	0	2	5	7	10	10	7	4	2	2	2	-1	-3	-3	-3	
APRIL	-5	-6	-10	-10	-13	-13	-13	-11	-8	0	7	12	17	15	12	9	7	4	4	2	0	0	-1	
MAY	-7	7	-10	-13	-15	-15	-15	-12	-10	-3	5	13	15	15	10	10	7	5	5	5	5	0	-2	
JUNE	-10	-14	-15	-17	-22	-22	-22	-15	-7	3	10	16	16	16	15	13	10	8	8	8	8	5	-2	
JULY	-5	-8	-15	-20	-25	-25	-20	-15	-7	0	7	15	18	18	18	15	12	10	10	10	8	5	0	
AUGUST	-10	-13	-15	-18	-20	-20	-18	-10	0	9	17	19	19	19	12	9	7	7	7	7	2	-3	-5	
SEPTEMBER	-7	-7	-8	-8	-10	-10	-8	-5	0	3	8	10	13	10	7	5	3	3	3	3	0	-2	-5	
OCTOBER	-1	-4	-5	-7	-9	-9	-7	-4	-1	6	9	9	8	6	6	6	6	4	3	1	0	-1	-1	
NOVEMBER	-3	-3	-3	-5	-5	-3	-3	-2	0	2	3	5	7	7	5	3	3	2	0	-2	-3	-3	-3	
DECEMBER	-6	-4	-4	-4	-3	-3	-1	1	2	3	4	4	4	4	4	2	1	-1	-1	-1	-1	-3	-4	
MEAN	-6	-6	-8	-9	-11	-11	-10	-6	-3	2	7	10	11	11	9	7	5	4	4	3	2	0	-2	-4

Horizontal Intensity. Unit Gamma.

JANUARY	-3	-3	-1	-1	-1	0	0	0	0	0	2	2	2	2	2	0	0	0	-1	-3	-3	-3	-3	
FEBRUARY	-1	1	1	1	1	1	1	-1	-2	-4	-4	-2	-1	1	3	3	1	1	1	1	1	-1	-1	
MARCH	2	4	4	4	4	4	1	-3	-6	-8	-8	-8	-6	-4	-1	1	2	2	4	4	4	4	2	
APRIL	5	5	5	5	5	3	-2	-7	-12	-15	-17	-15	-12	-7	-3	2	7	10	10	10	8	7	5	
MAY	4	4	3	1	1	-2	-6	-9	-14	-14	-12	-9	-6	-2	1	3	6	8	9	9	8	6	4	
JUNE	2	2	5	5	2	-1	-5	-8	-11	-11	-8	-5	-5	-3	-1	0	4	9	12	12	9	5	2	
JULY	5	5	3	0	0	-3	-8	-13	-18	-20	-15	-10	-5	0	5	10	10	10	10	10	7	3	3	
AUGUST	8	8	8	8	3	-2	-7	-13	-17	-18	-15	-10	-7	-7	-2	3	5	8	10	10	7	7	7	
SEPTEMBER	2	2	1	-1	-1	-4	-9	-14	-19	-21	-18	-11	-6	-3	-1	1	2	4	9	9	7	4	2	
OCTOBER	5	5	5	5	5	5	0	-5	-10	-15	-18	-18	-13	-10	-5	2	5	8	8	18	8	7	7	
NOVEMBER	1	2	3	3	3	3	3	1	-2	-4	-4	-4	-2	-2	1	3	3	1	1	0	-2	-2	-2	
DECEMBER	-2	-1	-1	-1	-1	1	1	-1	-2	-3	-3	-3	-1	1	1	1	2	3	3	3	2	1	-1	
MEAN	2	3	3	2	2	0	-3	-6	-9	-11	-10	-8	-5	-3	0	3	4	5	6	7	5	4	3	2

Vertical Intensity. Unit Gamma.

JANUARY	-5	-3	-3	-3	-3	-1	-1	-1	0	2	2	5	5	5	5	2	2	2	2	2	2	0	-3	-5
FEBRUARY	-4	-4	-4	-4	-4	-1	-1	-1	-1	1	1	2	2	4	4	4	2	2	2	2	2	1	-1	-3
MARCH	1	-1	-1	-1	-2	-2	-1	-1	1	1	3	3	3	1	1	1	1	1	1	1	-1	-1	-1	
APRIL	-3	-1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	-1	-1	-1	-3	-3	-3	-3	
MAY	-2	0	1	1	1	1	1	-2	-2	-2	-2	-2	-2	-2	0	1	3	3	3	3	1	0	0	
JUNE	-2	-2	-2	-2	-1	1	1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-2	-2	-2	
JULY	-1	-1	1	1	1	1	-2	-4	-6	-6	-6	-6	-4	-1	3	3	3	3	3	1	1	1	1	
AUGUST	3	3	3	3	3	3	1	1	-1	-1	-4	-4	-4	-1	-1	-1	-1	-1	1	1	1	-1	-1	
SEPTEMBER	-3	-1	2	4	4	2	0	0	0	-3	-3	-3	-1	-1	-1	0	0	-1	-1	-1	-1	-3	-3	
OCTOBER	-1	-1	-1	-1	-1	-1	-1	-1	1	1	1	3	3	3	1	1	-1	-1	-1	-1	-2	-4	-4	
NOVEMBER	2	2	0	-1	-1	-3	-3	-3	-3	-3	-3	-3	-3	-1	-1	0	2	2	2	2	2	2	2	
DECEMBER	2	2	2	1	-1	-1	-1	-1	-1	-1	1	2	4	4	4	2	1	-1	-1	-1	-2	-3	-3	
MEAN	-1	-1	0	0	0	0	-1	-1	-1	0	-1	0	0	1	1	1	1	1	1	1	0	-1	-2	-2

Monthly Means.

DECLINATION.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
DIRECT VALUES. $D - 3^{\circ}W + \dots$	19.0	17.8	15.5	16.6	15.6	15.6	15.0	14.0	12.0	10.5	9.9	10.2	14.3
QUIET VALUES. $D - 3^{\circ}W + \dots$	20.0	19.0	17.0	17.0	17.0	16.0	15.0	14.0	13.5	11.0	10.5	11.0	15.0
RANGE.	41	41	49	33	34	43	34	27	59	52	39	48	41.7
QUIET RANGE.	9	12	18	30	30	39	43	39	23	16	12	10	23.5
STORMINESS, MEAN (UNIT γ).	-5	-5	-6	-3	-3	0	-1	-2	-5	-5	-2	-2	-3.3
DIURNAL SUM PS (UNIT γ).	73	111	117	87	113	198	124	72	176	149	94	127	120
NS	183	232	258	157	190	191	137	116	291	275	160	175	196
AS	255	343	375	244	303	389	262	187	469	424	244	302	316
HORIZONTAL INTENSITY.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
DIRECT VALUES. $H - 11400 + \dots$	18	14	8	10	12	15	19	9	-11	-6	-3	-1	7.0
QUIET VALUES. $H_0 - 11400 + \dots$	33	29	26	25	24	23	25	15	16	10	7	6	19.9
RANGE.	72	88	112	66	66	78	59	58	101	94	77	81	79
QUIET RANGE.	5	7	12	27	23	23	30	28	30	28	7	6	13.9
STORMINESS, MEAN (UNIT γ).	-15	-15	-19	-17	-12	-9	-5	-6	-25	-16	-10	-7	-13.0
DIURNAL SUM PS (UNIT γ).	162	360	394	284	239	436	337	266	482	367	244	318	324
NS	500	720	838	650	523	639	466	422	1066	745	483	478	623
AS	662	1080	1232	934	762	1074	803	688	1548	1112	727	796	952
VERTICAL INTENSITY.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
DIRECT VALUES. $V - 50200 + \dots$	29	31	33	41	46	50	46	49	59	55	61	58	46.5
QUIET VALUES. $V_0 - 50200 + \dots$	33	36	39	43	47	49	49	49	53	59	63	61	48.4
RANGE.	36	40	46	39	26	39	63	26	58	48	36	39	41
QUIET RANGE.	10	8	5	5	5	3	9	7	7	7	5	7	6
STORMINESS, MEAN (UNIT γ).	-4	-5	-6	-2	-1	1	-3	0	8	-4	-2	-4	-1.8
DIURNAL SUM PS (UNIT γ).	168	203	232	222	160	301	176	214	484	261	195	192	234
NS	264	313	370	267	197	274	231	217	334	368	246	285	281
AS	433	516	602	489	357	574	407	431	818	629	441	478	515

Resuming Tables.

Storminess.

Tromsø.

Declination. Unit Gamma. + West.

1935	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
JAN MPS	1	0	0	0	2	2	2	4	4	6	6	7	6	4	3	5	4	4	4	4	2	1	0	2
FEB MPS	2	2	2	1	0	1	3	1	2	3	2	4	6	9	14	10	13	12	10	7	3	2	1	1
MAR MPS	0	0	0	0	0	1	3	3	3	3	5	8	9	13	11	16	16	8	6	7	3	1	0	0
APR MPS	0	0	0	1	1	1	2	1	2	2	3	5	6	6	8	8	7	9	11	7	4	0	0	2
MAY MPS	2	0	0	1	1	1	3	4	6	10	10	8	7	8	9	6	7	10	9	8	2	1	1	0
JUN MPS	1	2	1	1	2	2	2	1	2	3	6	9	15	13	19	19	23	26	19	17	10	6	1	1
JUL MPS	1	1	1	1	2	5	3	2	3	5	8	9	9	8	8	10	9	10	9	8	6	4	1	1
AUG MPS	3	2	1	1	1	1	3	2	2	2	1	3	5	4	4	4	4	6	7	8	4	3	1	1
SEP MPS	2	1	1	1	3	3	4	4	4	6	6	9	10	11	17	15	18	23	15	9	4	6	3	4
OCT MPS	0	1	1	1	2	6	5	7	5	5	7	8	12	16	19	12	11	9	10	6	3	1	1	1
NOV MPS	0	1	1	1	3	4	5	4	4	4	5	6	5	5	6	7	5	8	8	5	4	1	3	0
DEC MPS	2	1	2	2	2	4	4	5	4	4	5	9	9	9	9	7	9	8	9	11	6	3	4	1
MEAN	1	1	1	1	2	3	3	3	3	4	5	7	8	9	11	10	11	11	10	8	4	2	1	1
JAN MNS	23	28	21	13	7	2	3	0	0	0	0	0	0	0	2	2	3	3	5	7	13	12	22	15
FEB MNS	24	26	28	23	15	7	1	4	2	3	1	0	0	0	0	1	4	4	8	9	9	18	19	27
MAR MNS	39	36	23	18	10	5	5	4	4	3	2	1	1	1	0	2	2	3	4	3	9	20	28	37
APR MNS	21	17	18	13	11	5	3	2	2	1	2	0	0	1	2	1	1	1	0	0	7	17	19	14
MAY MNS	28	26	26	16	11	6	4	4	3	0	0	1	0	0	0	0	0	0	0	0	5	13	15	28
JUN MNS	26	38	28	18	7	6	3	5	4	4	2	2	1	0	1	0	0	0	0	0	3	4	12	27
JUL MNS	24	21	12	6	6	5	3	7	5	3	4	4	4	1	1	0	1	0	0	0	1	2	6	19
AUG MNS	15	17	14	8	4	2	1	2	3	2	1	1	1	2	1	2	2	1	2	1	5	7	10	13
SEP MNS	38	41	34	26	13	5	4	3	5	2	1	0	1	1	1	1	1	1	3	7	9	22	31	48
OCT MNS	27	24	20	14	10	9	8	8	8	7	7	10	7	0	1	5	5	4	7	7	16	20	23	27
NOV MNS	25	11	7	7	2	2	2	1	2	1	1	1	1	1	2	5	9	4	7	6	5	10	15	26
DEC MNS	25	23	14	12	4	2	1	1	1	1	1	0	1	0	1	6	2	4	7	4	6	13	16	30
MEAN	26	26	20	15	8	5	3	3	3	2	2	2	1	1	1	2	3	2	4	4	7	13	18	26
JAN MPS - MNS	-22	-28	-21	-12	-5	-1	-1	3	3	6	6	6	6	4	2	3	1	2	-1	-4	-11	-11	-22	-13
FEB MPS - MNS	-22	-24	-26	-22	-14	-6	1	-2	0	0	1	4	6	9	14	9	9	7	2	-2	-5	-17	-18	-26
MAR MPS - MNS	-39	-36	-23	-18	-10	-4	-2	-1	-1	0	3	7	9	13	11	14	14	5	2	4	-6	-19	-28	-36
APR MPS - MNS	-21	-17	-18	-12	-10	-4	-1	0	1	1	1	5	5	6	8	6	9	11	7	-2	-16	-19	-12	
MAY MPS - MNS	-27	-26	-26	-15	-10	-5	-1	0	3	9	10	7	7	8	9	6	7	9	9	8	-3	-13	-15	-28
JUN MPS - MNS	-25	-36	-27	-17	-5	-5	-1	-4	-3	-1	5	7	14	12	19	19	23	26	19	17	7	2	-12	-26
JUL MPS - MNS	-23	-20	-11	-5	-4	0	0	-4	-2	1	4	5	5	7	7	10	8	10	9	8	5	2	-6	-18
AUG MPS - MNS	-12	-15	-13	-8	-2	-1	1	1	-1	0	0	2	3	2	3	2	2	5	5	7	-1	-4	-8	-12
SEP MPS - MNS	-36	-40	-33	-25	-10	-2	0	0	-1	4	5	9	9	11	17	14	17	22	13	2	-5	-15	-28	-45
OCT MPS - MNS	-27	-23	-19	-13	-9	-3	-2	-1	-3	-2	0	-2	5	16	17	8	6	5	3	0	-13	-19	-22	-27
NOV MPS - MNS	-25	-10	-6	-6	1	2	4	3	3	3	4	5	5	4	4	2	-4	4	1	-1	-2	-9	-12	-25
DEC MPS - MNS	-23	-22	-13	-10	-3	2	3	4	3	3	4	9	8	9	8	1	7	3	2	8	-1	-10	-12	-29
MEAN	-25	-25	-20	-14	-7	-2	0	0	0	2	4	5	7	8	10	8	8	9	6	3	-3	-11	-17	-25

Horizontal Intensity. Unit Gamma.

1935	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
JAN MPS	1	1	1	3	5	4	2	3	3	4	2	5	7	15	10	20	14	16	18	9	9	6	3	3
FEB MPS	0	0	1	3	4	7	5	5	5	7	12	24	38	40	38	52	48	34	19	10	4	2	1	0
MAR MPS	0	0	0	1	3	3	3	4	3	6	9	16	30	47	71	60	51	36	26	15	7	2	1	0
APR MPS	0	0	0	1	1	1	4	1	2	4	13	18	28	36	44	42	37	22	12	16	1	0	0	0
MAY MPS	1	2	4	5	3	3	2	2	1	2	4	8	13	26	43	33	27	26	23	10	2	0	0	0
JUN MPS	2	2	2	3	4	2	1	0	1	3	10	14	29	69	70	65	62	53	26	11	3	1	1	1
JUL MPS	1	2	2	3	2	1	2	2	2	11	14	25	34	54	49	49	35	22	13	7	2	1	0	0
AUG MPS	0	0	1	1	3	5	4	3	2	3	7	13	20	37	39	33	31	34	19	15	4	1	0	0
SEP MPS	0	1	0	3	2	5	6	6	10	12	18	35	52	73	74	70	54	32	12	5	2	0	0	1
OCT MPS	0	0	0	1	1	1	4	5	7	11	23	47	51	59	56	42	40	10	3	2	1	1	0	1
NOV MPS	2	2	1	1	4	5	5	6	4	7	6	10	15	17	25	38	32	26	15	11	7	3	2	2
DEC MPS	2	2	2	4	4	6	4	4	4	9	11	18	21	24	33	35	35	37	31	16	7	6	2	1
MEAN	1	1	1	2	3	4	4	3	4	7	11	19	28	41	46	45	39	29	18	11	4	2	1	1
JAN MNS	69	68	53	19	11	10	5	2	2	3	3	2	1	1	1	0	0	1	16	28	52	87	79	
FEB MNS	96	96	60	40	26	7	4	2	2	2	1	2	1	1	1	0	0	12	30	62	83	92	97	
MAR MNS	136	96	44	30	14	7	5	8	4	5	4	2	1	1	0	1	10	4	26	23	71	107	113	125
APR MNS	69	49	46	43	26	16	8	7	8	9	8	6	2	1	1	0	4	17	12	46	87	96	88	
MAY MNS	79	63	38	22	22	11	5	9	8	7	6	4	2	1	0	0	1	1	5	25	58	60	88	
JUN MNS	105	80	57	32	9	6	7	10	13	12	12	8	3	1	0	0	0	0	12	21	47	47	71	88

JUL	MNS	73	56	22	13	19	18	8	11	10	6	8	7	6	2	1	1	0	1	3	4	17	41	57	79
AUG	MNS	82	59	32	17	7	3	1	1	2	6	4	2	1	0	0	0	0	0	2	7	36	40	55	66
SRP	MNS	126	118	72	49	49	29	10	7	3	4	4	4	2	1	0	0	0	2	24	49	85	131	156	138
OCT	MNS	69	68	50	23	14	10	9	6	5	1	1	0	0	0	0	1	1	22	46	46	85	87	104	99
NOV	MNS	59	29	19	11	7	3	4	1	2	1	2	1	0	0	0	0	1	2	19	27	46	70	84	93
DEC	MNS	82	54	26	20	8	2	7	5	5	1	2	1	0	1	0	0	0	1	7	11	33	59	72	80
MEAN		87	70	43	27	18	10	6	6	5	5	5	3	2	1	0	1	1	3	14	21	48	72	87	93
JAN	MPS - MNS	-68	-67	-52	-15	-6	-7	-3	1	0	2	-1	4	6	14	10	19	14	15	17	-6	-19	-45	-84	-77
FEB	MPS - MNS	-96	-95	-58	-37	-22	0	1	3	2	5	11	21	37	40	37	51	48	34	7	-20	-58	-82	-91	-97
MAR	MPS - MNS	-136	-95	-44	-29	-11	-5	-2	-5	-1	0	6	14	29	47	71	59	41	31	0	-8	-64	-105	-112	-125
APR	MPS - MNS	-69	-49	-46	-42	-24	-15	-5	-6	-5	-5	-12	26	35	43	41	37	18	-5	5	-45	-87	-95	-88	
MAY	MPS - MNS	-78	-61	-34	-18	-19	-8	-2	-7	-7	-7	-3	2	10	24	42	33	26	25	22	5	-24	-58	-60	-87
JUN	MPS - MNS	-103	-78	-55	-30	-5	-4	-6	-10	-12	-9	-2	6	26	69	70	65	62	53	14	-10	-44	-45	-70	-86
JUL	MPS - MNS	-72	-54	-19	-11	-17	-17	-6	-9	-7	5	6	18	29	51	49	47	35	21	10	3	-16	-40	-57	-79
AUG	MPS - MNS	-82	-59	-31	-16	-4	2	3	1	0	-3	3	12	19	37	38	33	31	33	17	9	-32	-39	-55	-66
SEP	MPS - MNS	-126	-118	-72	-46	-47	-24	-3	-1	6	8	14	31	50	72	73	70	54	30	-12	-44	-82	-131	-156	-138
OCT	MPS - MNS	-69	-68	-50	-22	-12	-9	-5	0	2	9	23	47	51	58	56	41	40	-12	-42	-44	-84	-86	-104	-99
NOV	MPS - MNS	-57	-27	-18	-10	-3	1	1	5	1	5	4	9	15	16	25	38	31	25	-4	-16	-39	-67	-81	-91
DEC	MPS - MNS	-80	-52	-25	-16	-4	4	-2	-1	-1	8	9	17	21	23	33	35	35	37	25	6	-26	-53	-70	-79
MEAN		-86	-69	-42	-24	-15	-7	-2	-2	-2	2	5	14	27	41	46	44	38	26	4	-10	-44	-70	-86	-93

Vertical Intensity. Unit Gamma.

1955	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
JAN	MPS	10	11	8	1	1	1	0	1	4	8	8	7	7	9	11	12	13	10	7	7	7	5	13	9
FEB	MPS	17	13	2	4	1	0	0	1	3	5	7	9	10	10	15	10	11	11	6	7	10	21	20	12
MAR	MPS	11	18	1	1	1	1	1	3	2	4	5	5	10	16	18	23	21	13	7	14	21	11	15	10
APR	MPS	15	13	4	0	1	1	1	2	3	3	4	8	10	14	12	14	13	12	7	6	10	31	27	12
MAY	MPS	11	10	0	1	5	1	1	1	2	3	4	6	10	13	17	17	12	6	4	1	2	9	12	13
JUN	MPS	35	13	7	1	1	2	1	2	3	4	6	7	9	14	15	16	11	9	5	17	19	23	34	48
JUL	MPS	2	1	1	1	2	2	2	6	8	10	8	7	13	13	16	14	15	9	7	4	1	6	21	6
AUG	MPS	10	1	1	0	0	0	0	1	5	7	8	11	18	22	26	26	22	14	8	5	5	10	6	10
SEP	MPS	42	13	5	0	0	0	0	5	9	13	17	17	21	20	17	21	24	15	14	15	37	60	63	50
OCT	MPS	8	7	1	0	0	1	3	8	11	11	11	10	14	13	13	11	7	9	7	8	24	31	36	18
NOV	MPS	6	1	1	1	1	1	2	5	7	7	12	13	14	16	15	15	10	5	7	8	10	12	16	8
DEC	MPS	7	6	3	1	1	2	3	5	7	8	9	11	13	16	13	12	11	10	9	7	11	9	9	14
MEAN		14	9	3	1	1	1	1	3	5	7	8	9	12	15	16	16	14	10	7	8	13	19	23	18
JAN	MNS	32	16	18	22	18	14	10	8	4	2	0	1	1	2	0	1	1	4	5	17	21	24	17	26
FEB	MNS	17	20	17	18	27	21	14	8	3	1	1	3	3	1	1	9	15	23	24	25	17	18	15	20
MAR	MNS	30	36	27	24	16	13	9	4	2	2	1	1	2	16	12	16	19	21	18	13	15	19	22	30
APR	MNS	26	18	13	21	24	16	10	4	1	1	2	4	3	1	10	7	5	12	4	7	8	14	21	34
MAY	MNS	18	22	23	19	14	12	8	2	1	2	3	3	2	2	3	0	3	3	5	5	9	10	11	15
JUN	MNS	11	24	24	23	19	9	7	4	3	5	7	4	5	11	22	19	12	9	8	7	8	11	13	8
JUL	MNS	25	22	25	21	10	8	8	3	2	2	3	4	4	3	4	2	2	3	4	6	13	11	11	34
AUG	MNS	19	25	29	24	18	13	9	5	2	2	2	2	1	1	0	0	0	3	3	3	10	13	14	19
SEP	MNS	16	26	39	42	40	28	20	5	2	1	1	3	4	9	8	11	9	7	2	6	10	13	13	18
OCT	MNS	26	23	27	23	17	12	7	3	2	1	1	5	14	12	27	30	19	22	24	17	14	12	17	15
NOV	MNS	25	18	12	9	11	8	4	3	1	0	0	0	0	0	2	9	18	24	9	8	14	16	21	29
DEC	MNS	32	23	19	18	16	9	5	5	3	1	0	0	0	0	2	6	11	11	15	14	20	22	28	31
MEAN		23	23	23	22	19	14	9	5	2	2	2	3	3	5	8	9	10	12	10	11	13	15	17	23
JAN	MPS - MNS	-22	-5	-10	-22	-17	-13	-10	-6	0	4	6	6	7	7	11	11	11	6	2	-10	-14	-19	-4	-17
FEB	MPS - MNS	0	-7	-15	-13	-26	-21	-13	-7	0	4	6	7	7	9	14	1	-4	-12	-18	-16	-7	3	5	-9
MAR	MPS - MNS	-19	-19	-26	-23	-15	-13	-8	-1	0	3	4	4	8	0	6	7	2	-8	-11	2	6	-8	-7	-21
APR	MPS - MNS	-14	-5	-9	-20	-23	-15	-9	-2	2	3	4	7	13	2	7	8	0	3	0	2	17	6	-22	
MAY	MPS - MNS	-8	-12	-22	-10	-9	-9	-7	-1	1	0	1	3	8	11	14	17	9	3	-2	-4	-6	-2	0	-3
JUN	MPS - MNS	22	-10	-17	-22	-18	-8	-6	-2	1	-1	-1	2	4	3	-7	-3	-2	-1	-2	10	12	12	21	40
JUL	MPS - MNS	-23	-21	-24	-21	-8	-6	-6	3	6	8	5	3	9	10	12	12	13	6	4	-2	-12	-5	10	-28
AUG	MPS - MNS	-8	-24	-29	-24	-18	-12	-9	-4	3	5	6	9	17	20	26	25	21	11	5	2	-5	-3	-9	-9
SEP	MPS - MNS	27	-12	-34	-42	-40	-28	19	0	7	11	16	14	17	11	9	10	16	8	12	9	27	48	50	33
OCT	MPS - MNS	-18	-17	-26	-23	-17	-11	-4	5	9	9	11	5	0	2	-14	-19	-12	-13	-17	-9	10	20	19	3
NOV	MPS - MNS	-19	-17	-12	-8	-10	-7	-2	2	6	7	11	13	14	16	13	6	-8	-19	-2	0	-4	-6	-5	-21
DEC	MPS - MNS	-25	-17	-16	-16	-14	-7	-2	-1	4	7	9	10	13	16	11	6	0	-1	-6	-7	-9	-13	-19	-16
MEAN		-9	-14	-20	-21	-18	-13	-5	-1	3	5	6	7	9	10	8	8	5	-2	-3	-2	0	4	6	-6

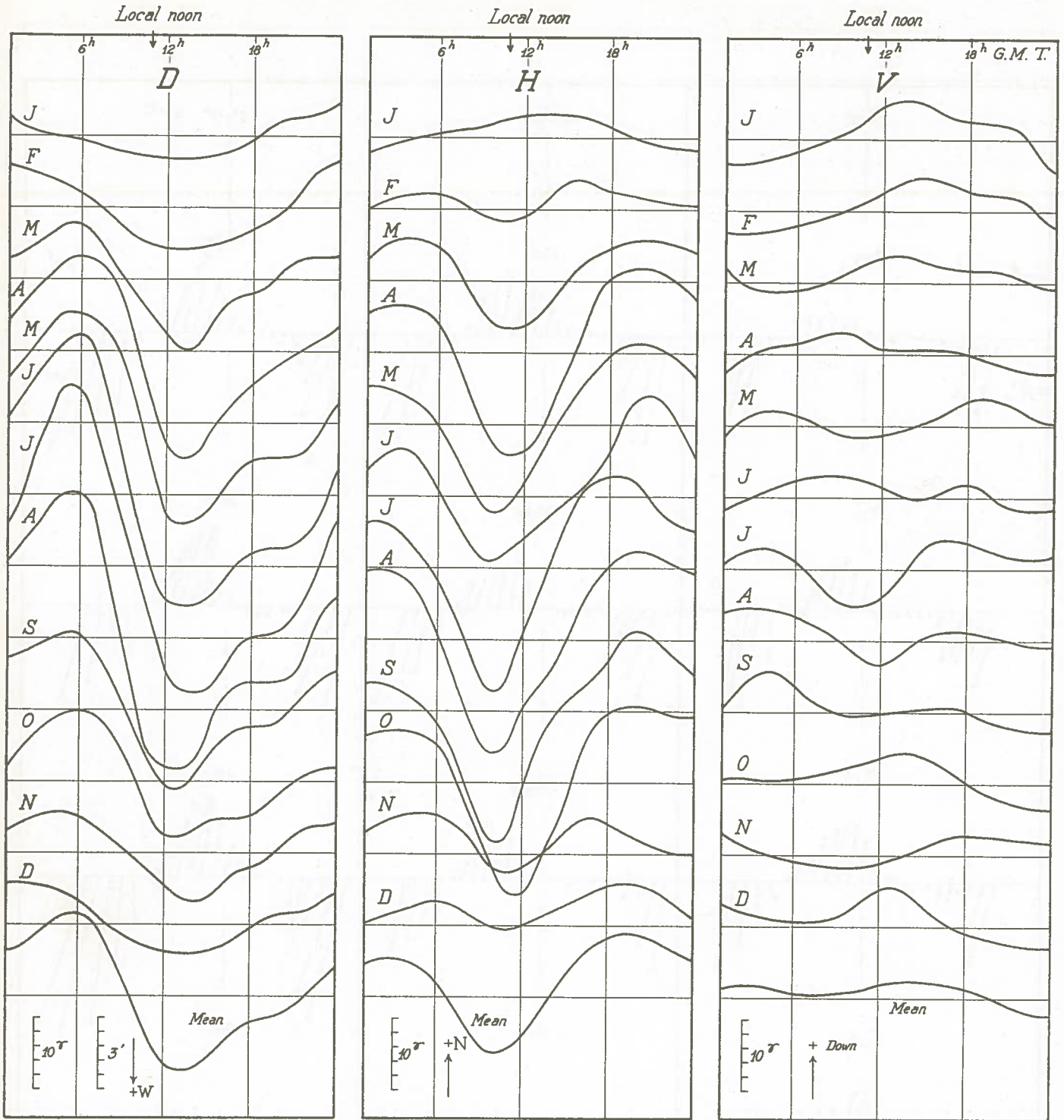


Fig. 1. The quiet Diurnal Variation, smoothed Values.

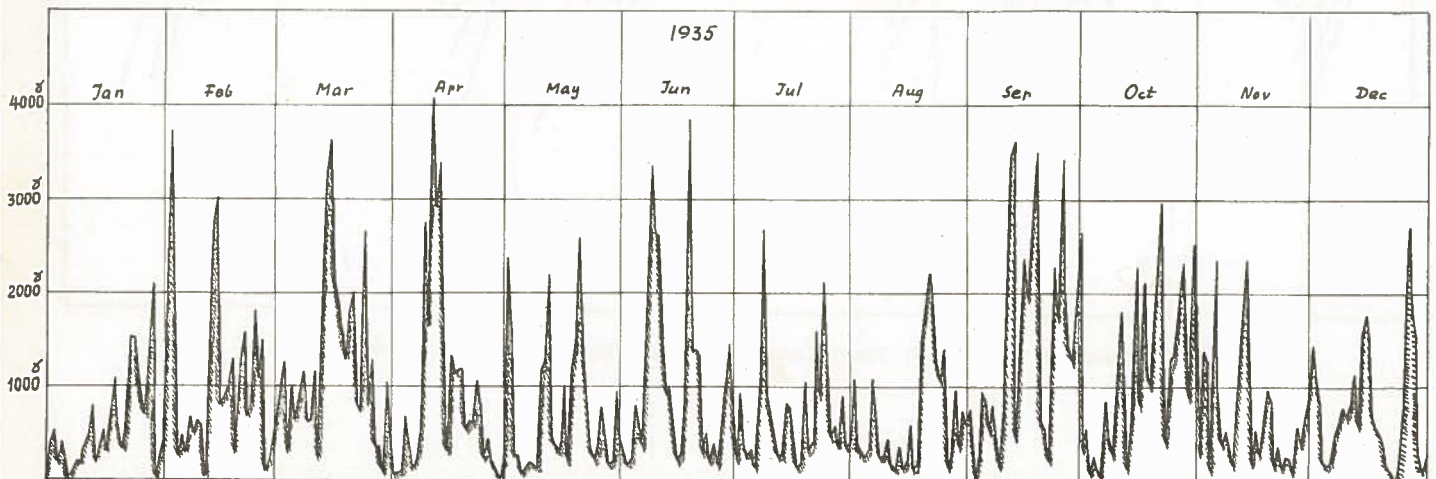


Fig. 2. The Diurnal Sum of the Absolute Storminess of H.

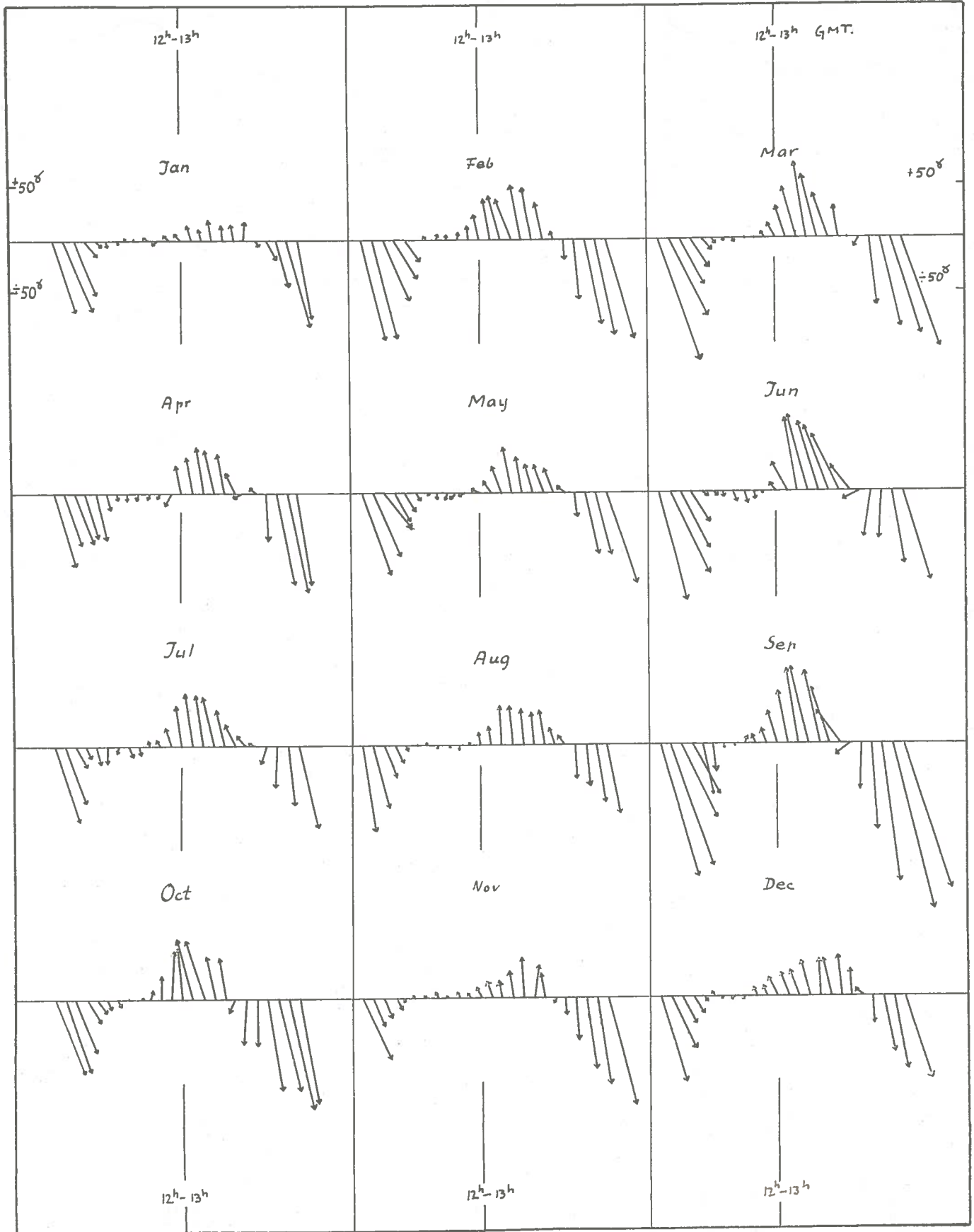


Fig. 3. Diagrams of the Monthly Mean Values (M) of the Storminess in the Horizontal Plane.

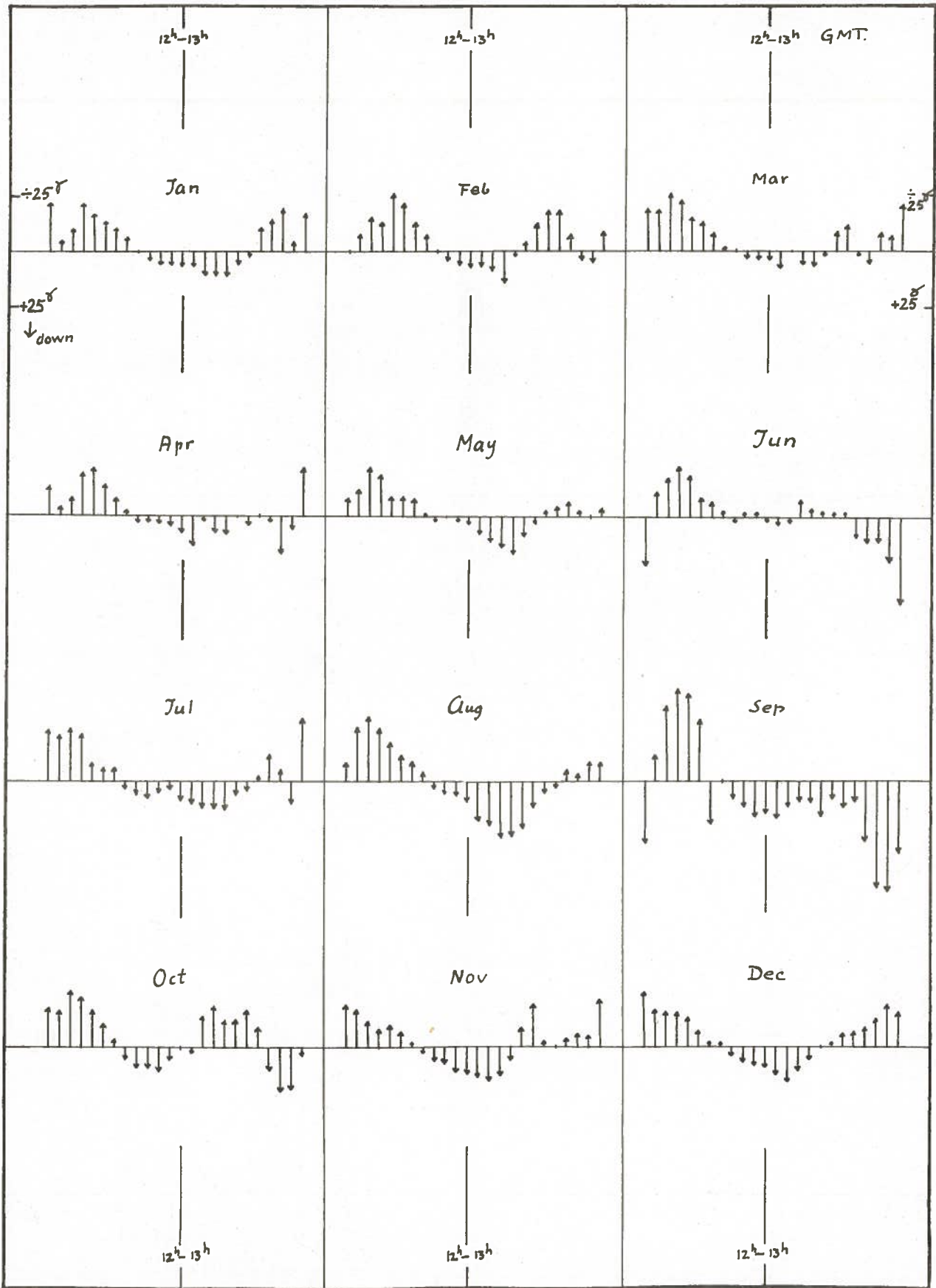


Fig. 4. Diagrams of the Monthly Mean Values (*M*) of the Storminess of the Vertical Intensity.

