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B. TRUMPY and K. F. WASSERFALL

RESULTS FROM  
THE MAGNETIC STATION AT DOMBÅS  
1942—45

( $\varphi = 62^{\circ} 04'.7$  N,  $\lambda = 9^{\circ} 05'.8$  E. Gr.)

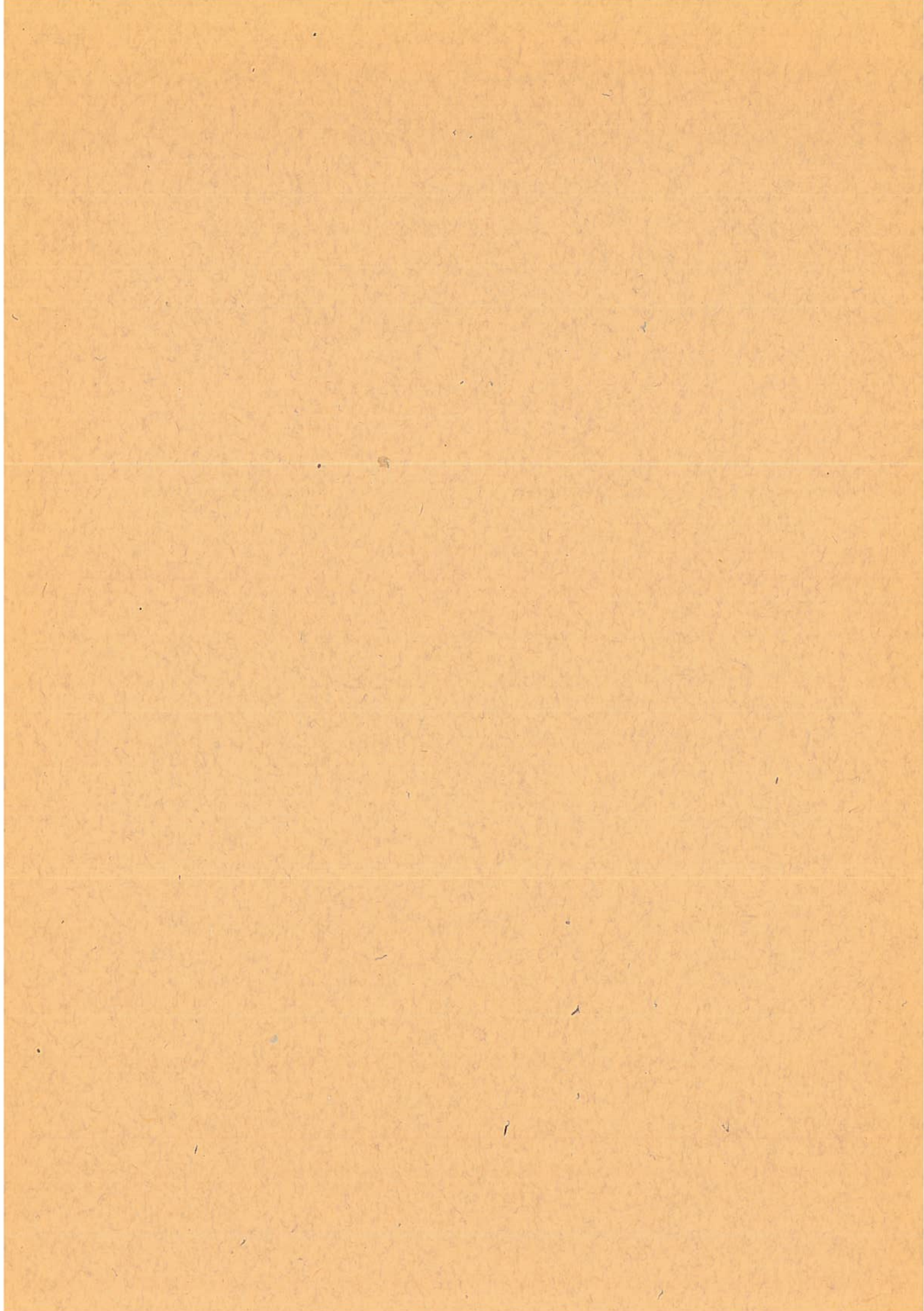
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INTRODUCTION.

In the present paper we give the results from the magnetic station at Dombås for the years 1942—1945. Circumstances during and after the war have prevented us from getting these year books published at an earlier date.

Dombås Observatory commenced operation in 1916 and the material collected between 1916—1945 has been worked out at *Det Magnetiske Byrå* in Bergen. Results for the interval between 1916—1933 were published in Nr. 9, those for 1934—36, 1937—38, 1939 and 1940—1945 in Nr. 13, Nr. 18, Nr. 20 and Nr. 23 of the present series of publications, respectively. In Nr. 10 and Nr. 16, of the same series, we have dealt with certain sides of magnetic variation at Dombås, and finally data, collected at Dombås, have been utilized in a series of papers, published in other magnetic publications according to a list printed on the cover of the year-book for 1940—1941.

Referring to what has been stated in the introduction of the preceding year-books, only monthly hour means for storminess, 7-day normals for quiet diurnal variation, and daily data for positive and negative storminess, besides the sum of these two quantities, were printed for the years 1916—1938. For 1939 and the last 6 months of 1938 we have also printed tables giving hourly values for D, H and V. In the year-book for 1940—41 hour tables for D and H have been given, while such tables for V are omitted, because it proved not possible to produce a sufficient reliable reduction by aid of the absolute observations for inclination at our disposal.

In the present paper we have left out hour tables for D, H, and V, and only printed tables corresponding to those used in the year-books for 1934—38. The reason is here the same as mentioned above for V — that we do not possess sufficiently reliable absolute observations. It may in this connection be remarked that the hour-tables printed in the year-books for 1938—41 ought to be treated only as approximations in regard to the variation from day to day (year to year), while the diurnal variation may be con-

sidered reliable, as long as the figures are taken relatively. Regarding the tables of the present paper we refer to page 11\*, where their contents are explained.

The leading principles for the method employed and the results we refer to the first publication, Nr. 9.



Sigurd Einbu.  
1866—1946.

Until 1946, when he died, Sigurd Einbu was in charge of the station, where the conditions are the same as before. Amanuensis Wasserfall is now, as before, responsible for the working out of the material.

The well-known Astronomer Sigurd Einbu was born in Lesja 1866. He has published several papers on astronomy and astrophysics and written numerous popular articles for the press.

When it was decided to establish a magnetic station in southern Norway, Einbu was asked if it could be built on his farm at Dombås. The station started in 1916, and Einbu has taken care of it until he died in May 1946. He has thus been in charge of Dombås Observatory about 30 years.

*The Scale Values and the Temperature Coefficients of the Variometers.*

Deflection experiments were, as before, taken once in the month. In Table I we give the results calculated by aid of the observed data, and in Table II we state the values adopted for the final reduction.

TABLE I.

Year	Date	$\epsilon_d$	$\omega_d$	$\epsilon_h$	$\epsilon_v$	Year	Date	$\epsilon_d$	$\omega_d$	$\epsilon_h$	$\epsilon_v$
1942	Jan. 16	7.1	1.76	5.8	6.1	1943	Jan. 7	7.0	1.74	5.3	—
»	Febr. 10	7.1	1.76	5.8	6.7	»	Febr. 1	7.0	1.74	5.7	6.2
»	March 5	7.1	1.76	5.9	7.0	»	» 15	7.1	1.76	5.3	6.2
»	April 10	7.1	1.76	5.7	6.1	»	» 28	7.1	1.76	5.5	3.5
»	May 8	7.1	1.76	5.8	7.2	»	May 1	7.1	1.76	5.8	3.6
»	June 7	6.9	1.71	6.1	6.4	»	June 6	7.0	1.71	5.6	3.8
»	July 2	6.9	1.71	5.7	6.5	»	July 7	7.1	1.76	5.3	3.6
»	August 3	6.9	1.71	5.8	6.8	»	August 4	7.0	1.71	5.9	3.6
»	Oct. 12	6.9	1.71	5.7	7.8	»	Sept. 5	7.0	1.71	5.8	3.6
						»	Oct. 7	7.0	1.71	5.7	3.6
						»	Dec. 1	7.1	1.76	5.9	3.8
Year	Date	$\epsilon_d$	$\omega_d$	$\epsilon_h$	$\epsilon_v$	Year	Date	$\epsilon_d$	$\omega_d$	$\epsilon_h$	$\epsilon_v$
1944	Jan. 1	7.1	1.71	5.7	3.5	1945	Jan. 3	7.0	1.71	5.8	3.9
»	Febr. 1	7.0	1.71	—	3.9	»	Febr. 1	7.0	1.71	5.7	4.0
»	March 1	7.1	1.76	5.8	3.6	»	March 1	7.1	1.76	5.6	3.5
»	April 1	7.1	1.76	6.0	3.5	»	May 1	7.1	1.76	5.8	3.4
»	May 3	7.1	1.76	5.8	3.4	»	July 3	7.1	1.76	5.7	—
»	June 1	7.1	1.76	5.9	3.6	»	Aug. 8	7.1	1.76	5.9	4.3
»	July 1	7.1	1.76	5.9	3.6	»	Sept. 2	7.0	1.71	5.8	—
»	Aug. 11	7.0	1.71	6.0	4.0	»	» 6	7.0	1.71	5.8	3.8
»	Sept. 3	7.0	1.71	5.9	3.9	»	Oct. 5	7.1	1.76	5.6	3.6
»	Oct. 2	7.0	1.71	5.6	4.1	»	Dec. 2	7.1	1.76	5.6	3.6
»	Nov. 3	7.0	1.71	5.9	4.0						
»	Dec. 2	7.0	1.76	5.8	3.9						

TABLE II.

From			To			$\omega_d$	$\epsilon_d$	$\epsilon_h$	$\epsilon_v$	$\tau_h$	$\tau_v$
Year	Date		Year	Date							
1942	Jan.	1	1942	May	8	1.76	7.1	5.8	6.7	5.38	5.96
»	May	8	1943	Febr.	28	1.71	7.0	5.8	6.7	»	»
1943	Febr.	28	»	Dec.	31	1.74	7.0	5.6	3.6	»	»
1944	Jan.	1	»	Dec.	1	1.73	7.0	5.8	3.8	»	»
»	Dec.	1	»	Jan.	1	1.74	7.1	5.8	3.8	»	»

ABSOLUTE OBSERVATIONS.

Regular observations of D and H were made from 4–10 times a month. Absolute observations of inclination, however, have not been taken, as the results for the preceding years show that the values found by the instruments in use at the station did not give the true state of the element in question. As mentioned in Nr. 9 little stress was laid on the knowledge of the absolute values, as it was not originally intended to reduce the registered material to absolute value. For our purpose it was, therefore, sufficient to have the necessary data for H to be used for the calculation of the scale values of the register instruments, and the exactness of such observations did not need to extend more than about 50y.

In the present paper, where tables for absolute hour-values for the three elements D, H, and V are omitted, tables giving baseline values for the reduction of the register readings are also left out. However, it would all the same be of great interest if it was possible by aid of the material at hand to work out a general table giving approximate annual means for D, H, and V at least for the interval 1931–1947.

As seen in the preceding year-books, there were now and then taken control observations with good instruments. The results of these observations were compared with corresponding values taken from the year-books of Rude Skov Observatory, and they showed that the differences were of such a quality that it could be decided whether the secular variation for both stations was parallel — or if it was not — whether we were justified in accepting a linear relation, either increasing, or decreasing.

In the three tables III, IV, and V we have stated results both for the ordinary station observations and for the above mentioned control observations. Under the heading »Numb. of obs.« we have tabulated the number of observations taken. Under the heading *Inst.* we have entered symbols for the instrument used, where Bam. and Ell. stand for Bamberg Declinometer and Elliott Magnetometer No. 38. Q. H. M. means instruments of the *La Cour* type, used for declination and horizontal intensity, while B. M. Z. stands for *La Cour's* for vertical intensity. The needles used for observations of inclination are those belonging to Dover Circle No. 10. Under the heading *Observer* we have used the following symbols:

- O. A. K. . . . . . Prof. Krogness
- S. E. . . . . . Sigurd Einbu
- P. E. . . . . . Per Einbu
- E. B. . . . . . Barlinghaug
- E. K. . . . . . E. Kjær
- R. K. . . . . . R. Kjær
- B. T. . . . . . Prof. Trumphy

TABELL III.

*Absolute Observations for Declination.*

Year	Month	Ordinary Observations				Control Observations			
		$D_w$	Numb. of obs.	Inst.	Observer	$D_w$	Numb. of obs.	Inst.	Observer
1931	July	° ' /				8° 43'.5	4	Tesdorff	O. A. K.
1936	»	7 51.0	9	Tesdorff	S. E.			No.2179	
1938	Oct.	7 26.9	33	«	«				
1939	May	7 14.3	45	Bam. + Ell.	«				
1939	Aug.					7° 20'.5	8	Tesdorff	E. B.
1940	July	7 10.7	37	Bamberg	«			No.2179	
1941	»	6 56.0	46	«	«				
1941	»					6° 56'.0	2	Q.H.M.76	E. K.
1942	»	6 46.0	42	«	«				
1943	Aug.	6 40.0	30	«	«				
1944	July	6 27.9	39	«	«				
1945	»	6 23.0	33	«	«				
1946	»	6 14.2	37	Bam. + Ell.	P. E.				
1947	»	6 10.9	26	«	«				
						6 07.8	8	Q.H.M.76	R. K.

\*) Comparative observations by Prof. Krogness and Mr. Fl. Soule of the Carnegie Institution.

TABELL IV.

*Absolute Observations for Horizontal Intensity.*

Year	Month	Ordinary Observations				Control Observations			
		H c. g. s.	Numb. of obs.	Inst.	Observer	H c. g. s.	Numb. of obs.	Inst.	Observer
1931	July					0.14103	3	Tesdorff	O.A.K.
1936	»					0.13985	2	Tesdorff	B.T.
1938	»	0.13944	15	Elliott 38	S. E.				
1939	»	0.13917	49	«	«				
1939	Aug					0.13901	2	Q.H.M.63	E.B.
1939	Nov.					0.13904	2	Q.H.M.15	P. E.
1940	July	0.13880	37	Q. H. M. 15	P E + S.				
1941	»	0.13876	38	«	S. E.				
1941	Nov.					0.13916	2	Q.H.M.15	E. K.
1942	July	0.13864	37	«	«				
1943	»	0.13850	32	«	«				
1944	»	0.13842	32	«	«				
1945	»	0.13818	27	«	P.E. + S.				
1946	June	0.13826	15	«	P. E.				
1947	Oct.					0.13809	8	Q.H.M.76	R. K.

\*) Comparative observations by Prof. Krogness and Mr. Fl. Soule of the Carnegie Institution.

TABELL V.

*Absolute Observations for Vertical Intensity.*

Year	Month	Ordinary Observation				Control Observation			
		V	Numb. of obs.	Inst.	Observer	V	Numb. of obs.	Inst. Needles	Observer
1931	July	—	—	—	—	0.47061	12	26and27	O.A.K.
1941	Nov.	—	—	—	—	0.47347	6	B.M.Z. 16	E. K.
1947	Oct.	—	—	—	—	0.47482	6	«	«

Inclination measured with Tesdorff 2179. Needles are given corrections of  $-5'.0$  and  $-4'.0$



As above mentioned, there was in July 1931 made a series of observations at Dombås by Prof. KROGNES in co-operation with Mr. FLOYD M. SOULE of the Carnegie Institution of Washington. The two stations A and B were occupied and the instruments

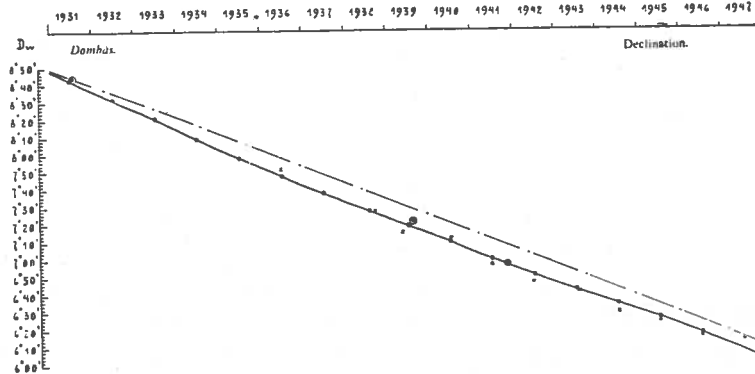


Fig. 2. Curve for annual data for D, 1931—1947. 9'.5 per year.  
 ● . . . Adopted mean yearly values. × . . . Mean results of ordinary station observations. ⊙ . . . Control observation.

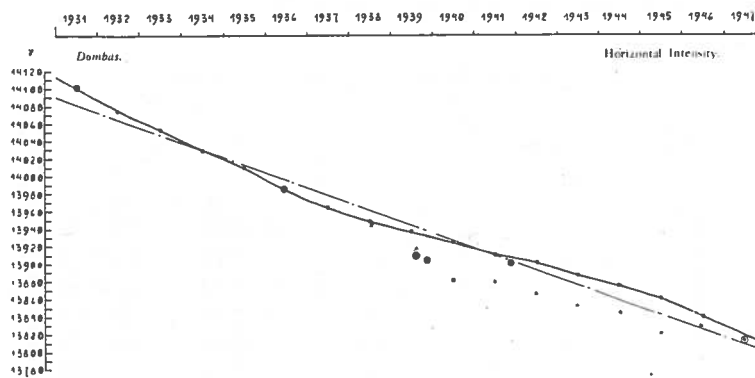


Fig. 3. Curve for annual data for H, 1931—1947. 11.4  $\gamma$  per year.  
 ● . . . Adopted mean yearly values. × . . . Mean results of ordinary station observations. ⊙ . . . Control observation.

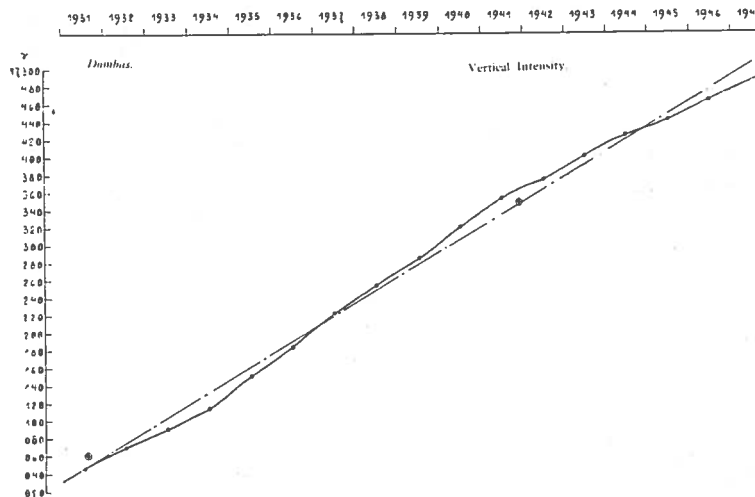


Fig. 4. Curve for annual data for V, 1931—1947. 16.9  $\gamma$  per year.  
 ● . . . Adopted mean yearly values. ⊙ . . . Control observation.

used were: Tesdorff No. 2179 and the Dover Circle No. 10. The resulting mean value, entered in Table V, originates from 6 forenoon and 6 afternoon observations with the two needles 26 and 27, giving:  $I = 73^{\circ} 24'.1$  and  $I = 73^{\circ} 23'.5$ , respectively. According to Mr. Soule the station difference equals to  $+0'.6$ , which is more or less negligible, while the instrument difference amounts to  $(9'.7:2)$ . A mean correction of  $-5'.0$  and  $-4'.0$ , respectively for the two needles 26 and 27, thus seems to be reasonable. In 1939 the two above mentioned needles were controlled at Tromsø Observatory and later on at Rude Skov, also these time resulting in  $(9'.0:2)$  as mean correction for the two needles. Using  $H = 0.14103$  and  $I = 73^{\circ} 19'.0$  we get the value  $V = 0.47061$  for 1931, which corresponds to the value entered in Table V.

Assuming that the variation of the elements from year to year proceeds more or less parallel at Dombås and at Rude Skov, we have taken out the differences of corresponding values for D, H, and V at these two stations and the control observations tabulated in the tables III—V, and we have found that a linear relation of increasing (decreasing) progress gives fairly acceptable results, the exactness of which we may judge by a look at the three plottings in Fig. 1, Fig. 2, and Fig. 3, respectively for D, H and V. According to this we may assume the figures tabulated in Table VI as fairly good approximations for the year-to-year variation that has actually taken place at Dombås Observatory during the interval 1931—1947.

TABLE VI.

*Approximate Magnetic Data for Dombås.*

Year	D.	I.	H.	V.
1931 . . . . .	$8^{\circ} 42'.3$	$73^{\circ} 18'.8$	C. G. S.	C. G. S.
1932 . . . . .	31'.3	21'.2	0.14074	0.47071
1933 . . . . .	20'.1	23'.0	0.14053	0.47090
1934 . . . . .	9'.1	24'.8	0.14033	0.47114
1935 . . . . .	$7^{\circ} 57'.1$	27'.2	0.14009	0.47151
1936 . . . . .	47'.3	29'.4	0.13985	0.47183
1937 . . . . .	37'.0	31'.7	0.13963	0.47221
1938 . . . . .	27'.5	33'.3	0.13948	0.47253
1939 . . . . .	18'.1	34'.7	0.13936	0.47283
1940 . . . . .	8'.7	36'.2	0.13924	0.47319
1941 . . . . .	$6^{\circ} 59'.2$	37'.8	0.13909	0.47352
1942 . . . . .	49'.9	38'.9	0.13900	0.47372
1943 . . . . .	41'.2	40'.5	0.13883	0.47399
1944 . . . . .	32'.9	41'.6	0.13873	0.47423
1945 . . . . .	24'.6	42'.9	0.13858	0.47440
1946 . . . . .	15'.3	44'.9	0.13836	0.47463
1947 . . . . .	6'.8	46'.7	0.13815	0.47485

These graphs show that both the control observations and the station values for D lie fairly well distributed about the line for variation drawn through the accepted yearly mean data taken from Table VI — except for the fact that observations taken between 1940 and 1945 with Bamberg alone seem to be 4—5 minutes too low. Regarding the station observations for H there seems to be no doubt that between 1939 and 1945 they ought to have a correction of about  $+30 \gamma$ , whereas we have not been able to make any use at all of the station observations for V. The data tabulated in Table VII are founded on the control observations for 1947. It will from these tables be seen that the monthly means in the year-book for 1939 vary in such a way that it cannot be

TABLE VII

*Declination.*

Date	D	Time	d.	B <sub>d</sub>
		h. m.		
8/10	6 05.3	12 21	2 44.0	3 21.3
-	6 04.1	12 33	2 45.0	3 19.1
-	6 10.4	14 13	2 51.0	3 19.4
-	6 10.1	14 25	2 52.0	5 18.1
9/10	6 08.8	10 32	2 46.0	3 22.8
-	6 07.4	10 45	2 44.0	3 23.4
-	6 07.4	11 13	2 47.0	3 20.4
-	6 08.5	11 25	2 46.5	3 22.0

$M = 3^{\circ} 20'.8$

*Horizontal Intensity.*

Date	H.	Time	h.	B <sub>h</sub>
	C. G. S.	h. m.	$\gamma$	C. G. S.
8/10	0.13774	12 19	84	0.13690
-	774	12 32	86	688
-	804	14 12	116	688
-	820	14 24	130	690
9/10	796	10 31	101	695
-	785	10 44	90	695
-	784	11 12	91	693
-	790	11 24	94	696

$M = 0.13692$

*Vertical Intensity.*

Date	V.	Time	v.	B <sub>v</sub>
	C. G. S.	h. m.	$\gamma$	C. G. S.
9/10	0.47481	9 55	479	0.47002
-	477	58	479	0.46998
-	484	46	478	0.47006
-	484	49	478	0.47006
-	484	52	479	0.47005
-	485	10 01	484	0.47001

$M = 0.47004$

accepted for calculation of a reliable yearly mean. Among the control observations we have chosen to base the curve only on the observation taken by Prof. Krogness and Mr. Soule in 1931 and on the two observations taken in 1941 and 1947 with La Cour's instrument B. M. Z. No. 16. The secular variation curves for D, H, and V, 1931—1947, is thus principally dependent on the correctness of the control observation at the beginning and the end of the curves.

According to what is said above we are probably entitled to consider the *corrected values* for 1931 as more or less reliable. As a test for the reliability of the values for 1947, we may add *Table VII*, where we have tabulated detailed base-line values for said series

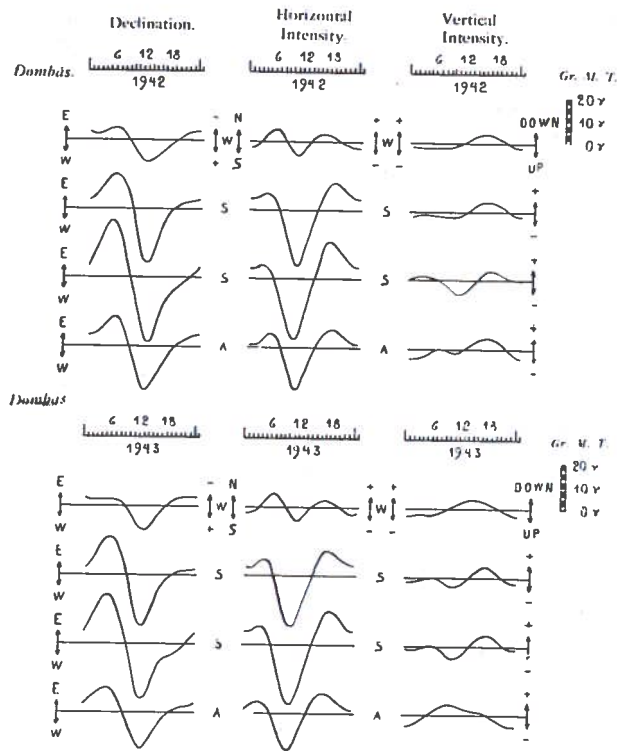


Fig. 5. Mean quiet diurnal variation for the four seasons of the year, 1942 and 1943.

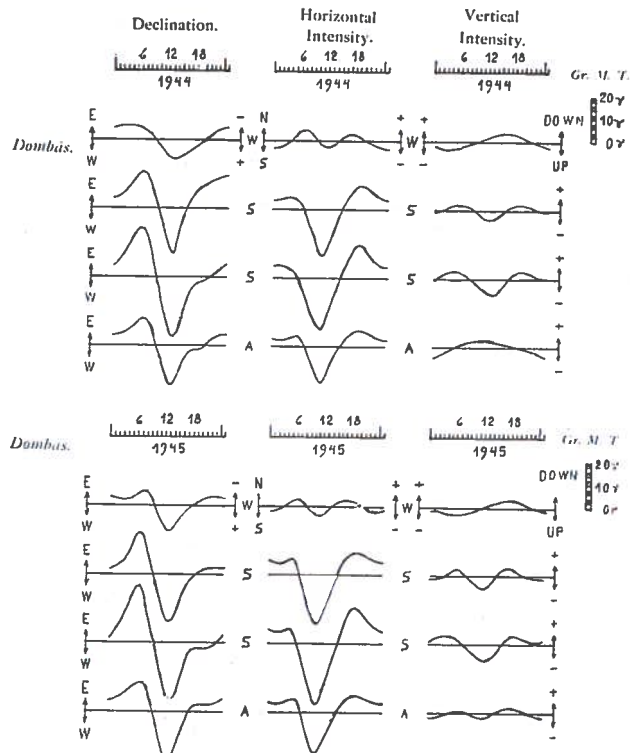


Fig. 6. Mean quiet diurnal variation for the four seasons of the year, 1944 and 1945.

of observations. Judged by the results given here it seems that also these points may be taken as sufficiently reliable.

Besides the resulting tables and graphs given p. p. 00 we will in this place add the two graphs in Fig. 4 and in Fig. 5, stating seasonal data for Winter (W), Spring (S), Summer (S) and Autumn (A) of the quiet diurnal variation for D, H, and V during the four years 1942—1945.

### EXPLANATIONS TO THE TABLES AND GRAPHS.

In the tables for the 7-day normals for quiet diurnal variation, p.p. 3—8, we have in the 6 last columns to the right tabulated minimum, maximum, and amplitude of the diurnal double wave.

Positive data for D means perturbations towards the west, negative towards the east. Positive data for H means perturbations towards the North, negative towards the South. Positive data for V means perturbations downwards, negative upwards. What is said above applies of course also to the tables for monthly mean figures for quiet diurnal variation, p.p. 9—10, and for the tables giving hourly data for Storminess, p.p. 11—58.

Tables for the Three-Hour Range, Index K, are read directly from the magnetograms. These data represent the range taken as the sum for the largest momentary positive and negative perturbation within the three-hour interval in relation to a curve drawn on the magnetograms — representing the quiet progress of the element in question. The curves for D, H, and V are examined, but only the figure giving the largest range, within the three-hour interval is tabulated. By aid of an individual key for each magnetic Observatory, graduated from 0—9 according to the one given below, we get the figures tabulated in our paper.

Figures, under the heading R, in the Storminess tables, stand for daily range, taken directly from the magnetic records, for D, H, and V. They are all of them expressed in  $\gamma$ .

Finally we have, under the headings M, PS, NS and, AS, the diurnal mean, and the diurnal sum for positive and negative data of storminess, besides Absolute Storminess,  $AS = (PS + NS)$ .

The tables for Index K will be found p.p. 59—62. Daily data for the Three-Hour Range, converted into Index K by aid of the key, given in Table VIII, together with some details, are sent to the Carnegie Institution of Washington as early as possible every months where such data are collected from about 50 co-operating observatories and used for the calculation of an international Index K figure.

Table VIII. Lower limit of Range for the three-hour range at Dombås observatory.

Index K	0	1	2	3	4	5	6	7	8	9
Range	0 - 8	8 - 15	15 - 30	30 - 60	60 - 105	105 - 180	180 - 300	300 - 500	500 - 750	< 750

When, from various reasons, records are missing, interpolated values, marked with a black point have been inserted in order to get a better expression for daily, monthly and annual means.

In the yearbook for 1940—41 this interpolation has usually been based on the Dombås material at hand. In the present paper, however, we have had opportunity to use data for Lerwick Observatory (Shetland) for this purpose.

Comparison between corresponding data for Index K at Lerwick and Dombås has shown, that the values are, in most cases, synonymous — in cases where an individual figure differs, it amounts very rarely to more than 1 unit.

It may in this connection be remarked that interpolated K — data, tabulated in the yearbook 1940—41, have now been revised.

The so-called, Magnetic Character Numbers, Ch, tabulated in our tables for the D-storminess, are also sent to the Carnegie Institution, where, in the same way as said for Index K, a world-wide tabulation for Ch. is worked out. Regarding the way in which such data for Ch are extracted from the Dombås records we refer to No. 10 of the present series of publications.

The Graphs, p.p. Figs. 1—10, are drawn in the same way as in the preceding year-books, with the exception that the graph for Absolute Storminess, AS, for D and H has been drawn according to an enlarged scale.

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Fig. 10. Dayly Values for Absolute Storminess for $D$ and $H$ for 1945 .....	» 71

Dombås.

Declination. Quiet Values (+W). Unit Gamma.

Gr. M. T.

1942	Declination. Quiet Values (+W). Unit Gamma.																							DAY EXTREME			NIGHT EXTREME			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	AMP	MIN	MAX	AMP	
	JAN 27-3 4-11 12-18 19-26	-5 -5 -5 -5	-4 -4 -4 -4	-3 -3 -3 -3	-3 -3 -3 -3	-4 -4 -4 -4	-5 -5 -5 -5	-6 -6 -6 -6	-4 -4 -4 -4	0 0 0 0	3 3 3 3	7 7 7 7	10 10 10 10	11 11 11 11	11 11 11 11	10 10 10 10	8 8 8 8	6 6 6 6	4 4 4 4	1 1 1 1	-2 -2 -2 -2	-4 -4 -4 -4	-5 -5 -5 -5	-6 -6 -6 -6	-6 -6 -6 -6	-3 -3 -3 -3	-6 -6 -6 -6	-4 -4 -4 -4	13 13 13 13	17 17 17 17
ANNUAL MEAN	-4.8	-5.6	-7.6	-10.0	-12.4	-14.4	-14.4	-11.4	-6.6	0.4	7.9	15.5	19.3	18.9	15.7	11.1	5.5	4.5	2.2	0.2	-1.1	-2.3	-3.3	-4.0	-12.3	19.8	35.5	-12.3	19.8	35.5

Dombås.

Horizontal Intensity. Quiet Values (+N). Unit Gamma.

Gr. M. T.

1942	Horizontal Intensity. Quiet Values (+N). Unit Gamma.																							DAY EXTREME			NIGHT EXTREME			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MIN	MAX	AMP	MIN	MAX	AMP	
	JAN 27-3 4-11 12-18 19-26	-5 -5 -5 -5	-4 -4 -4 -4	-3 -3 -3 -3	-2 -2 -2 -2	0 0 0 0	3 3 3 3	5 5 5 5	6 6 6 6	4 4 4 4	0 0 0 0	-2 -2 -2 -2	-3 -3 -3 -3	-2 -2 -2 -2	-1 -1 -1 -1	3 3 3 3	4 4 4 4	4 4 4 4	2 2 2 2	0 0 0 0	-1 -1 -1 -1	-2 -2 -2 -2	-3 -3 -3 -3	-4 -4 -4 -4	-3 -3 -3 -3	-3 -3 -3 -3	-4 -4 -4 -4	6 6 6 6	11 11 11 11	11 11 11 11
ANNUAL MEAN	2.2	2.5	3.4	5.0	5.4	4.6	1.6	-3.5	-9.4	-15.5	-18.2	-16.3	-11.5	-5.9	-1.1	3.2	6.4	8.5	9.3	8.5	6.8	5.2	3.8	2.6	1.9	6.4	4.4	-18.5	9.9	26.5

















Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for January 1942 with columns for Day (1-31), Declination (1-23), Storminess (M, PS, NS, AS, CH, R), and Unit Gamma (MPS, MNS).

Dombås.

FEBRUARY 1942

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for February 1942 with columns for Day (1-28), Declination (1-23), Storminess (M, PS, NS, AS, CH, R), and Unit Gamma (MPS, MNS).

Dombås.

MARCH 1942

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for March 1942 with columns for Day (1-31), Declination (1-23), Storminess (M, PS, NS, AS, CH, R), and Unit Gamma (MPS, MNS).



Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, CH, R. Rows for APRIL 1942 (days 1-30) and summary rows (M, MPS, MNS).

Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, CH, R. Rows for MAY 1942 (days 1-31) and summary rows (M, MPS, MNS).

Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, CH, R. Rows for JUNE 1942 (days 1-30) and summary rows (M, MPS, MNS).



Dombás. OCTOBER 1942

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with 25 columns (DAY 1-25) and 10 rows (M, PS, NS, AS, CH, R). Contains numerical data for October 1942.

Dombás. NOVEMBER 1942

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with 25 columns (DAY 1-25) and 10 rows (M, PS, NS, AS, CH, R). Contains numerical data for November 1942.

Dombás. DECEMBER 1942

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with 25 columns (DAY 1-25) and 10 rows (M, PS, NS, AS, CH, R). Contains numerical data for December 1942.

Dombås

JANUARY 1942

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows of data. Includes sub-headers for M, PS, NS, AS, R and M, PS, NS, AS, R. Values range from -15 to 31.

Dombås

FEBRUARY 1942

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows of data. Includes sub-headers for M, PS, NS, AS, R and M, PS, NS, AS, R. Values range from -15 to 25.

Dombås

MARCH 1942

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows of data. Includes sub-headers for M, PS, NS, AS, R and M, PS, NS, AS, R. Values range from -32 to 35.

1)ombds.

APRIL 1942

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (M, PS, NS, AS, R, MNS, MNS). Contains magnetic data for April 1942.

Dombás.

MAY 1942

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (M, PS, NS, AS, R, MNS, MNS). Contains magnetic data for May 1942.

Dombás.

JUNE 1942

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (M, PS, NS, AS, R, MNS, MNS). Contains magnetic data for June 1942.

Dombås.

JULY 1942

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

Gr. M. T.

Table with columns for DAY (1-31), 24 numbered columns (1-24), M, PS, NB, AS, R. Contains numerical data for July 1942.

Dombås.

AUGUST 1942

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

Gr. M. T.

Table with columns for DAY (1-31), 24 numbered columns (1-24), M, PS, NB, AS, R. Contains numerical data for August 1942.

Dombås.

SEPTEMBER 1942

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

Gr. M. T.

Table with columns for DAY (1-30), 24 numbered columns (1-24), M, PS, NB, AS, R. Contains numerical data for September 1942.

Dombás.

OCTOBER 1942

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 5 columns (M, PS, NS, AS, R). Contains numerical data for October 1942.

Dombás.

NOVEMBER 1942

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 5 columns (M, PS, NS, AS, R). Contains numerical data for November 1942.

Dombás.

DECEMBER 1942

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 5 columns (M, PS, NS, AS, R). Contains numerical data for December 1942.

Dombås.

JANUARY 1942

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 10 rows (MPS, MNS, and various data points). Contains numerical data for January 1942.

Dombås.

FEBRUARY 1942

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 10 rows (MPS, MNS, and various data points). Contains numerical data for February 1942.

Dombås.

MARCH 1942

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 10 rows (MPS, MNS, and various data points). Contains numerical data for March 1942.



Dombás.

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

Gr. M. T.

Table for April 1942 showing magnetic data for Dombás. Columns include DAY, 24 columns of intensity/storminess values, and summary columns M, PS, NS, AS, R.

Dombás.

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

Gr. M. T.

Table for May 1942 showing magnetic data for Dombás. Columns include DAY, 24 columns of intensity/storminess values, and summary columns M, PS, NS, AS, R.

Dombás.

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

Gr. M. T.

Table for June 1942 showing magnetic data for Dombás. Columns include DAY, 24 columns of intensity/storminess values, and summary columns M, PS, NS, AS, R.

Dombås. JULY 1942

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

Gr. M. T.

Table with columns DAY, 1-23, M, PS, NS, AS, R. Contains numerical data for July 1942.

Dombås. AUGUST 1942

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

Gr. M. T.

Table with columns DAY, 1-23, M, PS, NS, AS, R. Contains numerical data for August 1942.

Dombås. SEPTEMBER 1942

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

Gr. M. T.

Table with columns DAY, 1-23, M, PS, NS, AS, R. Contains numerical data for September 1942.

\*) INTERPOLATED

Dombás  
OCTOBER 1942

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Contains magnetic data for October 1942.

4) INTERPOLATED

Dombás  
NOVEMBER 1942

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Contains magnetic data for November 1942.

Dombás  
DECEMBER 1942

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Contains magnetic data for December 1942.

Dombås. JANUARY 1943

Table with columns: DAY, Declination, Storminess (+ W), Unit Gamma, Gr. M. T. (M, PS, NS, AS, R, CH). Rows 1-31.

Dombås. FEBRUARY 1943

Table with columns: DAY, Declination, Storminess (+ W), Unit Gamma, Gr. M. T. (M, PS, NS, AS, R, CH). Rows 1-28.

Dombås. MARCH 1943

Table with columns: DAY, Declination, Storminess (+ W), Unit Gamma, Gr. M. T. (M, PS, NS, AS, R, CH). Rows 1-31.

Dombás.

APRIL 1942

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows for days 1-30 and summary rows M, MPS, MNS.

Dombás.

MAY 1943

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows for days 1-31 and summary rows M, MPS, MNS.

Dombás.

JUNE 1943

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows for days 1-30 and summary rows M, MPS, MNS.

Dombås.

JULY 1943

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows include daily data for July 1943 and summary rows for MPS and MNS.

Dombås.

AUGUST 1943

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows include daily data for August 1943 and summary rows for MPS and MNS.

Dombås.

SEPTEMBER 1943

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows include daily data for September 1943 and summary rows for MPS and MNS.



Dombås.

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (M, PS, NS, AS, R). Data includes numerical values for intensity and storminess, and summary statistics for M, PS, NS, AS, R.

Dombås.

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (M, PS, NS, AS, R). Data includes numerical values for intensity and storminess, and summary statistics for M, PS, NS, AS, R.

Dombås.

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (M, PS, NS, AS, R). Data includes numerical values for intensity and storminess, and summary statistics for M, PS, NS, AS, R.



Dombás.

APRIL 1943

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 4 rows (M, UPS, MNS, and a final row). Contains numerical data for magnetic intensity and storminess.

Dombás.

MAY 1943

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 4 rows (M, UPS, MNS, and a final row). Contains numerical data for magnetic intensity and storminess.

Dombás.

JUNI 1943

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 4 rows (M, UPS, MNS, and a final row). Contains numerical data for magnetic intensity and storminess.

Dombås.

JULY 1943

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Contains numerical data for July 1943.

Dombås.

AUGUST 1943

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Contains numerical data for August 1943.

Dombås.

SEPTEMBER 1943

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

Gr. M. T.

Table with columns for DAY (1-30), 1-23, M, PS, NS, AS, R. Contains numerical data for September 1943.

Dombás.

OCTOBER 1943

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

Gr. M. T.

Table with columns for DAY (1-31), M, PS, NS, AS, R. Contains magnetic data for October 1943. Includes a note: 'Owing to the war situation we run short of register paper in October 1943. New supply was, however, procured, so that the records are missing only for the rest of this month and for November.'

\*) INTERPOLATED

Dombás.

NOVEMBER 1943

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

Gr. M. T.

Table with columns for DAY (1-31), M, PS, NS, AS, R. Contains magnetic data for November 1943. Includes a note: 'Owing to the war situation we run short of register paper in October 1943. New supply was, however, procured, so that the records are missing only for the rest of that month and for November.'

Dombás.

DECEMBER 1943

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

Gr. M. T.

Table with columns for DAY (1-31), M, PS, NS, AS, R. Contains magnetic data for December 1943.

Dombås

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Data for January 1943.

\*) INTERPOLATED

Dombås

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

Gr. M. T.

Table with columns for DAY (1-28), 1-23, M, PS, NS, AS, R. Data for February 1943.

Dombås

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Data for March 1943.

Dombás.

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

Gr. M. T.

APRIL 1943

Table with 24 columns (DAY 1-24) and 5 rows (M, PS, NS, AS, R) containing magnetic data for April 1943.

Dombás.

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

Gr. M. T.

MAY 1943

Table with 24 columns (DAY 1-24) and 5 rows (M, PS, NS, AS, R) containing magnetic data for May 1943.

Dombás.

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

Gr. M. T.

JUNE 1943

Table with 24 columns (DAY 1-24) and 5 rows (M, PS, NS, AS, R) containing magnetic data for June 1943.

Dombås  
JULY 1943

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (MPS, MNS, NS, AS, R). Contains numerical data for July 1943.

Dombås  
AUGUST 1943

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (MPS, MNS, NS, AS, R). Contains numerical data for August 1943.

Dombås  
SEPTEMBER 1943

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (MPS, MNS, NS, AS, R). Contains numerical data for September 1943.

Dombás.

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

Gr. M. T.

Table for October 1943 with columns for Day (1-31), Vertical Intensity (1-25), Storminess (M, PS, NS), and Gr. M. T. (AB, R). Includes a note about missing data for October 17th.

Dombás.

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

Gr. M. T.

Table for November 1943 with columns for Day (1-30), Vertical Intensity (1-25), Storminess (M, PS, NS), and Gr. M. T. (AB, R). Includes a note about missing data for October 17th.

Dombás.

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

Gr. M. T.

Table for December 1943 with columns for Day (1-31), Vertical Intensity (1-25), Storminess (M, PS, NS), and Gr. M. T. (AB, R).

Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for January 1944 with columns for Day (1-31), Declination (1-23), Storminess (+ W), Unit Gamma, and Gr. M. T. (M, PS, NS, AS, R, CH).

Dombås.

FEBRUARY 1944

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for February 1944 with columns for Day (1-29), Declination (1-23), Storminess (+ W), Unit Gamma, and Gr. M. T. (M, PS, NS, AS, R, CH).

Dombås.

MARCH 1944

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for March 1944 with columns for Day (1-31), Declination (1-23), Storminess (+ W), Unit Gamma, and Gr. M. T. (M, PS, NS, AS, R, CH).



Dombás

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for April 1944 with columns for Day, Declination (1-23), M, PS, NS, AS, R, CH. Includes summary rows for M, PS, NS, AS, R, CH and M, PS, NS, AS, R, CH.

Dombás

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for May 1944 with columns for Day, Declination (1-23), M, PS, NS, AS, R, CH. Includes summary rows for M, PS, NS, AS, R, CH and M, PS, NS, AS, R, CH.

Dombás

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for June 1944 with columns for Day, Declination (1-23), M, PS, NS, AS, R, CH. Includes summary rows for M, PS, NS, AS, R, CH and M, PS, NS, AS, R, CH.

Dombås. JULY 1944

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 columns (M, P3, NS, AS, R, CH). Rows 1-31 show daily data for July 1944, and summary rows M, MHS, and MNS are at the bottom.

Dombås. AUGUST 1944

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 columns (M, P3, NS, AS, R, CH). Rows 1-31 show daily data for August 1944, and summary rows M, MHS, and MNS are at the bottom.

Dombås. SEPTEMBER 1944

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 columns (M, P3, NS, AS, R, CH). Rows 1-31 show daily data for September 1944, and summary rows M, MHS, and MNS are at the bottom.

Dombás.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for October 1944 with columns for Day (1-31), M, PS, NS, AS, R, CH. Contains numerical data for declination and storminess.

Dombás.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for November 1944 with columns for Day (1-30), M, PS, NS, AS, R, CH. Contains numerical data for declination and storminess.

Dombás.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for December 1944 with columns for Day (1-31), M, PS, NS, AS, R, CH. Contains numerical data for declination and storminess.

Dombås. JANUARY 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 5 columns (M, PS, NS, AS, R). Contains numerical data for January 1944.

Dombås. FEBRUARY 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 5 columns (M, PS, NS, AS, R). Contains numerical data for February 1944.

Dombås. MARCH 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 5 columns (M, PS, NS, AS, R). Contains numerical data for March 1944.

Dombás.

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Rows include data for April 1944 (days 1-30) and summary rows (MPS, MNS).

Dombás.

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Rows include data for May 1944 (days 1-31) and summary rows (MPS, MNS).

Dombás.

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Rows include data for June 1944 (days 1-30) and summary rows (MPS, MNS).

Dombås.

JULY 1944

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

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R, and Gr. M. T. Rows contain numerical data for each day and month.

Dombås.

AUGUST 1944

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

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R, and Gr. M. T. Rows contain numerical data for each day and month.

Dombås.

SEPTEMBER 1944

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

Table with columns for DAY (1-30), 1-23, M, PS, NS, AS, R, and Gr. M. T. Rows contain numerical data for each day and month.

Dombás. OCTOBER 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 5 columns (M, PS, NS, AS, R). Contains magnetic intensity and storminess data for October 1944.

Dombás. NOVEMBER 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 5 columns (M, PS, NS, AS, R). Contains magnetic intensity and storminess data for November 1944.

Dombás. DECEMBER 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 5 columns (M, PS, NS, AS, R). Contains magnetic intensity and storminess data for December 1944.

Dombås. JANUARY 1944

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

Gr. M. T.

Table with columns DAY, 1-23, M, PS, NS, AS, R. Contains data for January 1944.

Dombås.

FEBRUARY 1944

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

Gr. M. T.

Table with columns DAY, 1-23, M, PS, NS, AS, R. Contains data for February 1944.

Dombås.

MARCH 1944

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

Gr. M. T.

Table with columns DAY, 1-23, M, PS, NS, AS, R. Contains data for March 1944.



Dombás.

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

Gr. M. T.

Table for April 1944 showing magnetic data for Dombás. Columns include Day (1-23), M, PS, NS, AS, R. Values range from -14 to 107.

Dombás.

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

Gr. M. T.

Table for May 1944 showing magnetic data for Dombás. Columns include Day (1-23), M, PS, NS, AS, R. Values range from -14 to 107.

Dombás.

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

Gr. M. T.

Table for June 1944 showing magnetic data for Dombás. Columns include Day (1-23), M, PS, NS, AS, R. Values range from -14 to 107.

Dombds. JULY 1944

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 5 columns (M, PS, NS, AS, R). Contains numerical data for July 1944.

Dombds. AUGUST 1944

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 5 columns (M, PS, NS, AS, R). Contains numerical data for August 1944.

Dombds. SEPTEMBER 1944

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

Gr. M. T.

Table with 25 columns (DAY 1-25) and 5 columns (M, PS, NS, AS, R). Contains numerical data for September 1944.

Dombås. OCTOBER 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (MPS, MNS). Contains numerical data for vertical intensity and storminess for October 1944.

Dombås. NOVEMBER 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (MPS, MNS). Contains numerical data for vertical intensity and storminess for November 1944.

Dombås. DECEMBER 1944

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

Gr. M. T.

Table with 24 columns (DAY 1-24) and 10 rows (MPS, MNS). Contains numerical data for vertical intensity and storminess for December 1944.

Dombås.

JANUARY 1945

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows 1-31 for January 1945.

Dombås.

FEBRUARY 1945

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows 1-28 for February 1945.

Dombås.

MARCH 1945

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R, CH. Rows 1-31 for March 1945.

Dombás. Declination. Storminess (+ W). Unit Gamma. Gr. M. T.

Table for APRIL 1945 showing magnetic data for Dombás. Columns include DAY (1-30), declination (1-23), Storminess (+ W), Unit Gamma, and Gr. M. T. (M, PS, NS, AS, R, CH). Summary rows for M, PS, NS, AS, R, CH are provided at the bottom.

Dombás. Declination. Storminess (+ W). Unit Gamma. Gr. M. T.

Table for MAY 1945 showing magnetic data for Dombás. Columns include DAY (1-31), declination (1-23), Storminess (+ W), Unit Gamma, and Gr. M. T. (M, PS, NS, AS, R, CH). Summary rows for M, PS, NS, AS, R, CH are provided at the bottom.

Dombás. Declination. Storminess (+ W). Unit Gamma. Gr. M. T.

Table for JUNE 1945 showing magnetic data for Dombás. Columns include DAY (1-30), declination (1-23), Storminess (+ W), Unit Gamma, and Gr. M. T. (M, PS, NS, AS, R, CH). Summary rows for M, PS, NS, AS, R, CH are provided at the bottom.

Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY (1-31), 1-23, M, PS, NS, AS, R, CH. Rows include data for July 1945 and summary rows M, PS, NS, AS, R, CH.

Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY (1-31), 1-23, M, PS, NS, AS, R, CH. Rows include data for August 1945 and summary rows M, PS, NS, AS, R, CH.

Dombås.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table with columns: DAY (1-31), 1-23, M, PS, NS, AS, R, CH. Rows include data for September 1945 and summary rows M, PS, NS, AS, R, CH.

Dombás.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for October 1945 with columns for Day, Declination (1-25), Storminess (M, PS, NS, AS), and Gr. M. T. (R, CH). Includes summary rows for MPS and MNS.

Dombás.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for November 1945 with columns for Day, Declination (1-25), Storminess (M, PS, NS, AS), and Gr. M. T. (R, CH). Includes summary rows for MPS and MNS.

Dombás.

Declination. Storminess (+ W). Unit Gamma.

Gr. M. T.

Table for December 1945 with columns for Day, Declination (1-25), Storminess (M, PS, NS, AS), and Gr. M. T. (R, CH). Includes summary rows for MPS and MNS, and a note about register paper delay.

Dombds.

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

Gr. M. T.

Table for January 1945 with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Includes data for intensity and storminess.

\* ) = INTERPOLATED

Dombds.

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

Gr. M. T.

Table for February 1945 with columns for DAY (1-28), 1-23, M, PS, NS, AS, R. Includes data for intensity and storminess.

Dombds.

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

Gr. M. T.

Table for March 1945 with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Includes data for intensity and storminess.



Dombás

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

Gr. M. T.

Table for April 1945 showing magnetic data for days 1-30. Columns include day, 25 intensity/storminess values, M, PS, NS, AS, and R.

Dombás

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

Gr. M. T.

Table for May 1945 showing magnetic data for days 1-31. Columns include day, 25 intensity/storminess values, M, PS, NS, AS, and R.

Dombás

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

Gr. M. T.

Table for June 1945 showing magnetic data for days 1-30. Columns include day, 25 intensity/storminess values, M, PS, NS, AS, and R.

Dombås. JULY 1945

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Rows 1-31 for July 1945.

Dombås. AUGUST 1945

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Rows 1-31 for August 1945.

Dombås. SEPTEMBER 1945

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

Gr. M. T.

Table with columns: DAY, 1-23, M, PS, NS, AS, R. Rows 1-30 for September 1945.

Dombás.

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

Gr. M. T.

Table for October 1943 with columns for DAY (1-31), M, PS, NS, AS, R and rows for daily data and summary statistics (MPS, MNS).

Dombás.

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

Gr. M. T.

Table for November 1943 with columns for DAY (1-30), M, PS, NS, AS, R and rows for daily data and summary statistics (MPS, MNS).

Dombás.

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

Gr. M. T.

Table for December 1943 with columns for DAY (1-31), M, PS, NS, AS, R and rows for daily data and summary statistics (MPS, MNS). Includes a note about missing records for days 14-17.

Dombds.

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

Gr. M. T.

Table for January 1945 with columns for DAY (1-31), 25 numbered columns (1-25), M, PS, NS, AS, R. Data includes vertical intensity and storminess values.

Dombds.

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

Gr. M. T.

Table for February 1945 with columns for DAY (1-28), 25 numbered columns (1-25), M, PS, NS, AS, R. Data includes vertical intensity and storminess values.

\* - INTERPOLATED

Dombds.

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

Gr. M. T.

Table for March 1945 with columns for DAY (1-31), 25 numbered columns (1-25), M, PS, NS, AS, R. Data includes vertical intensity and storminess values.

Dombás.

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

Gr. M. T.

APRIL 1945

Table with columns for DAY (1-30), 1-23, M, PS, NS, AS, R. Contains numerical data for April 1945.

Dombás.

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

Gr. M. T.

MAY 1945

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Contains numerical data for May 1945.

Dombás.

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

Gr. M. T.

JUNE 1945

Table with columns for DAY (1-30), 1-23, M, PS, NS, AS, R. Contains numerical data for June 1945.

Dombås.

JULY 1945

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Contains numerical data for July 1945.

Dombås.

AUGUST 1945

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Contains numerical data for August 1945.

\*) = INTERPOLATED

Dombås.

SEPTEMBER 1945

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

Gr. M. T.

Table with columns for DAY (1-30), 1-23, M, PS, NS, AS, R. Contains numerical data for September 1945.

\*) = INTERPOLATED

Dombás. OCTOBER 1945

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Contains magnetic data for October 1945.

Dombás. NOVEMBER 1945

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

Gr. M. T.

Table with columns for DAY (1-30), 1-23, M, PS, NS, AS, R. Contains magnetic data for November 1945.

Dombás. DECEMBER 1945

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

Gr. M. T.

Table with columns for DAY (1-31), 1-23, M, PS, NS, AS, R. Contains magnetic data for December 1945, including a 'RECORDS MISSING' section.

THE THREE HOUR RANGE, INDEX FOR DOWNS 1944

Table for JANUARY, FEBRUARY, and MARCH. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and sub-columns for each month.

Table for APRIL, MAY, and JUNE. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and sub-columns for each month.

Table for JULY, AUGUST, and SEPTEMBER. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and sub-columns for each month.

Table for OCTOBER, NOVEMBER, and DECEMBER. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and sub-columns for each month.

o) = INTERPOLATED ACCORDING TO LERWICK



THE THREE HOUR RANGE, INDEX K FOR DOMBÅS 1943

Table for JANUARY, FEBRUARY, and MARCH. Columns include DAY, time intervals (0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24), SUM, MEAN, and monthly totals.

Table for APRIL, MAY, and JUNE. Columns include DAY, time intervals, SUM, MEAN, and monthly totals.

Table for JULY, AUGUST, and SEPTEMBER. Columns include DAY, time intervals, SUM, MEAN, and monthly totals.

Table for OCTOBER, NOVEMBER, and DECEMBER. Columns include DAY, time intervals, SUM, MEAN, and monthly totals.

-) = INTERPOLATED ACCORDING TO LERWICK

THE THREE HOUR RANGE, INDEX K FOR DUMBAS 1944.

Table with columns for JANUARY, FEBRUARY, and MARCH. Each month section includes a grid of data points for days 1-31, with sub-columns for 3-hour ranges (0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24) and summary rows for SUM and MEAN.

Table with columns for APRIL, MAY, and JUNE. Each month section includes a grid of data points for days 1-31, with sub-columns for 3-hour ranges and summary rows for SUM and MEAN.

Table with columns for JULY, AUGUST, and SEPTEMBER. Each month section includes a grid of data points for days 1-31, with sub-columns for 3-hour ranges and summary rows for SUM and MEAN.

Table with columns for OCTOBER, NOVEMBER, and DECEMBER. Each month section includes a grid of data points for days 1-31, with sub-columns for 3-hour ranges and summary rows for SUM and MEAN.

THE THREE HOUR RANGE, INDEX K FOR DOMBÁS 1945.

Table for JANUARY, FEBRUARY, and MARCH. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and then the same columns for each month. Values are numerical indices.

Table for APRIL, MAY, and JUNE. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and then the same columns for each month. Values are numerical indices.

Table for JULY, AUGUST, and SEPTEMBER. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and then the same columns for each month. Values are numerical indices.

Table for OCTOBER, NOVEMBER, and DECEMBER. Columns include DAY, 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, SUM, MEAN, and then the same columns for each month. Values are numerical indices.

\*) = INTERPOLATED ACCORDING TO LEWISICK

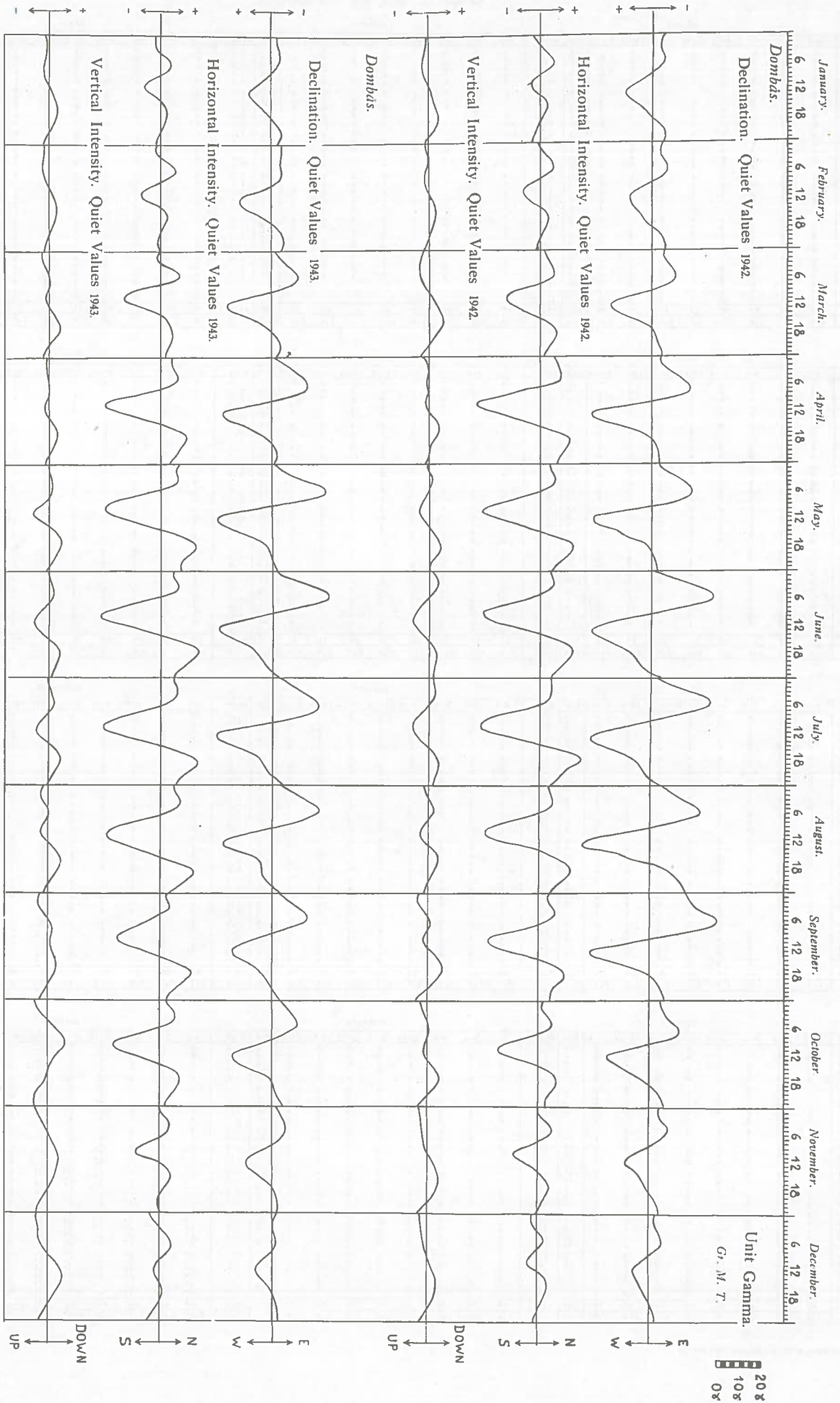


Fig. 1. Mean Monthly Values for Quiet Diurnal Variation for *D*, *H* and *V* for 1942 and 1943.

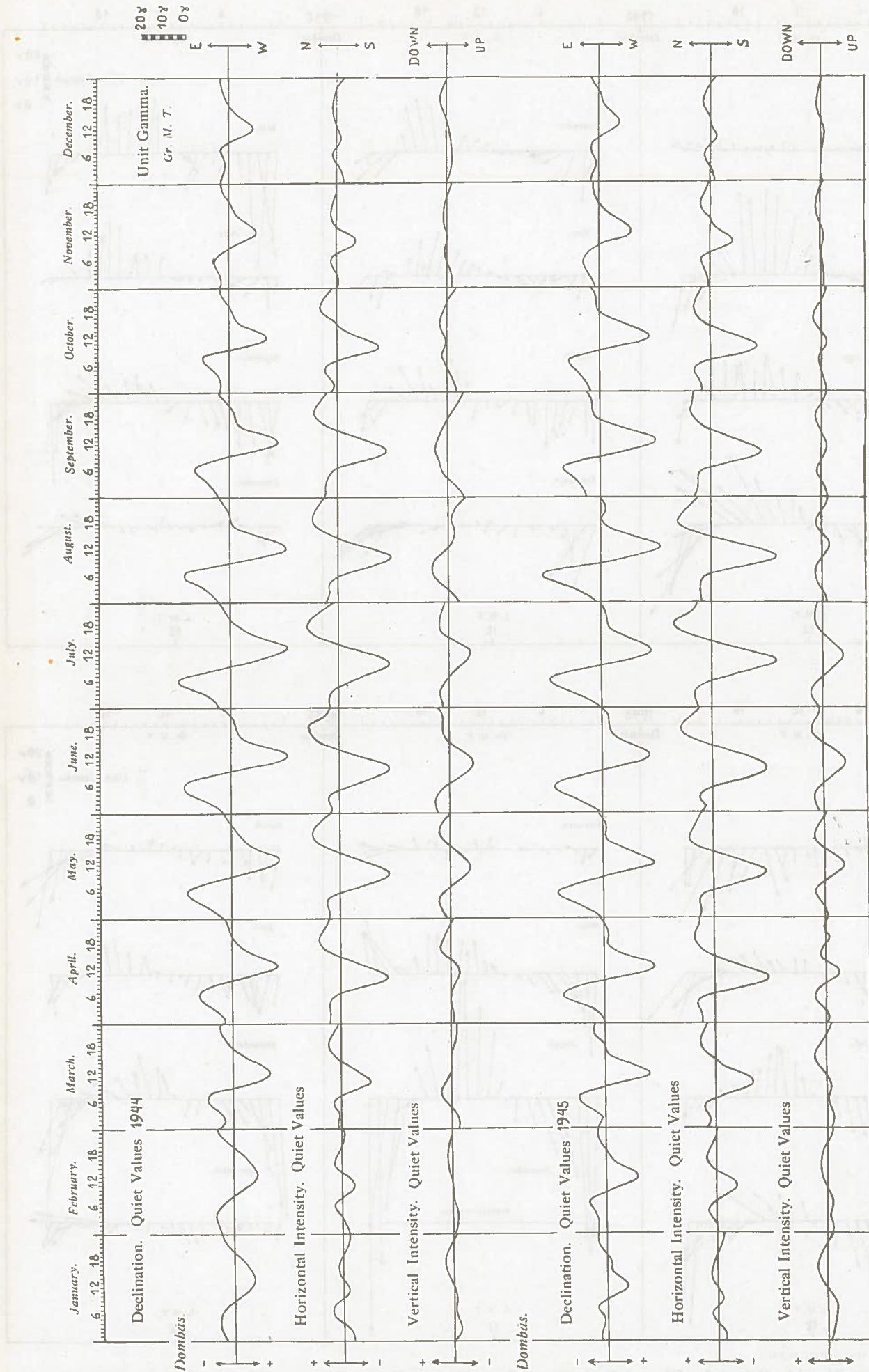


Fig. 2. Mean Monthly Values for Quiet Diurnal Variation for D, H and V for 1944 and 1945.

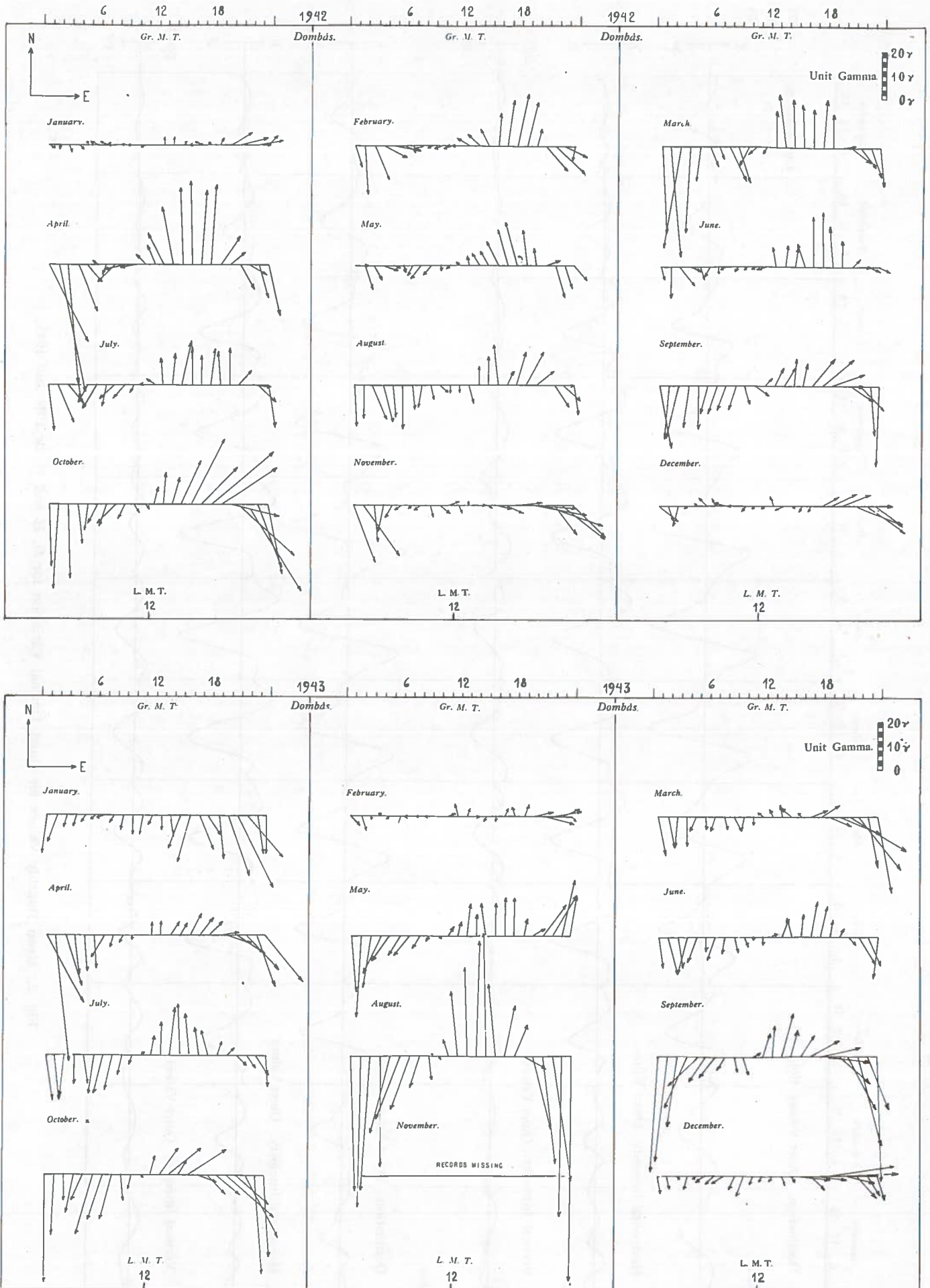


Fig. 3. Mean Monthly Values for Diurnal Variation of Storminess as Vector Diagrams for  $D$  and  $H$  for 1942 and 1943.

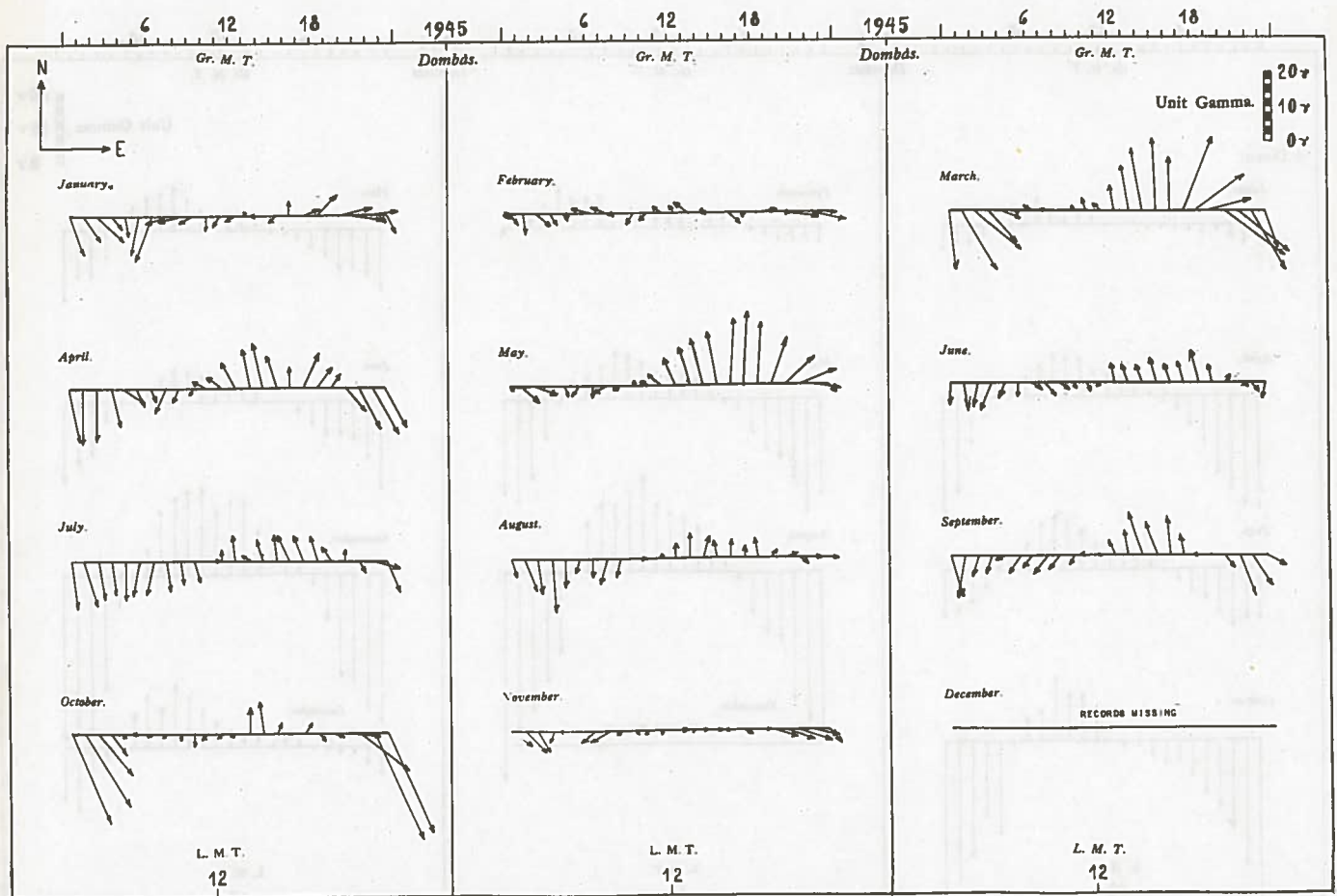
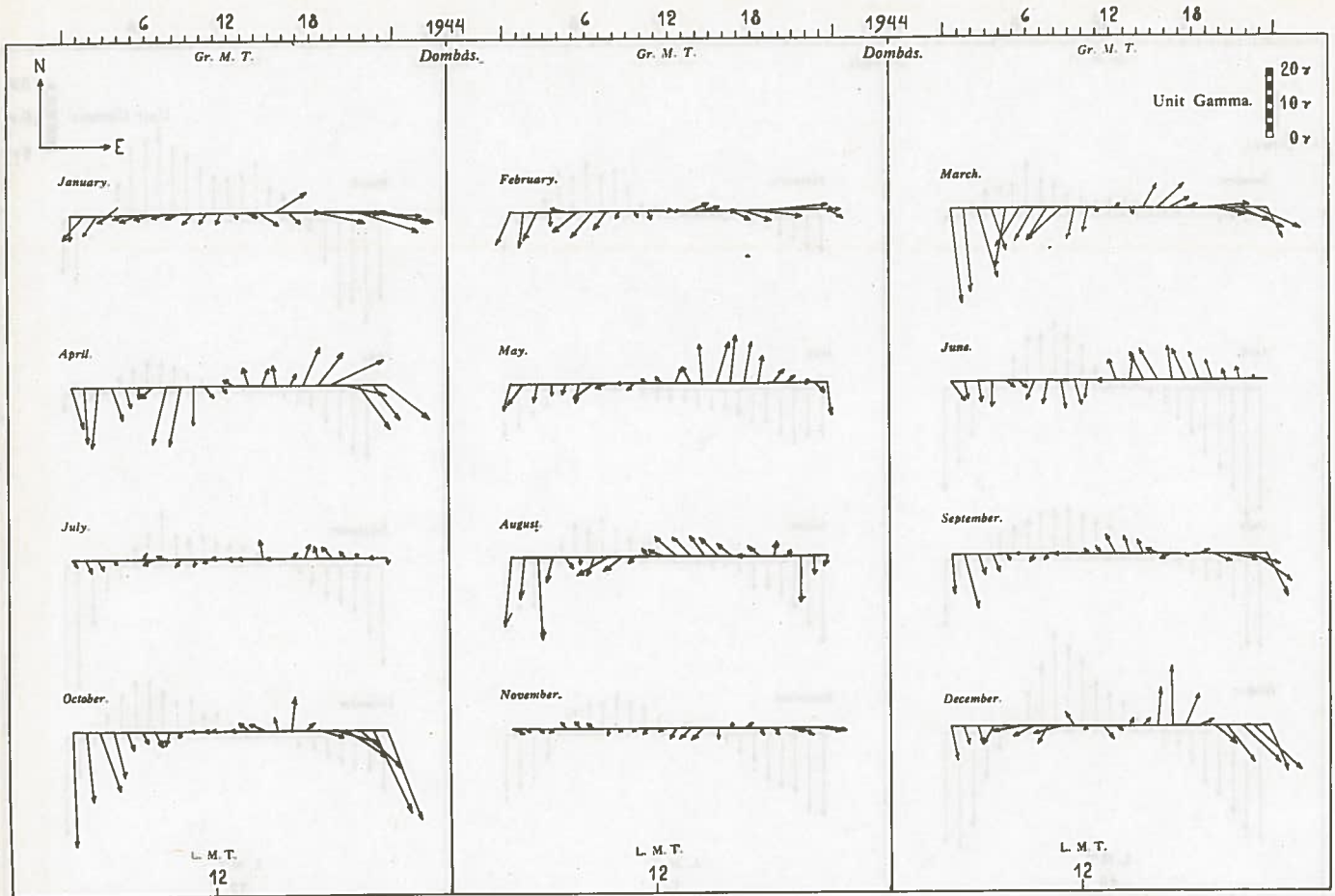


Fig. 4. Mean Monthly Values for Diurnal Variation of Storminess as Vector Diagrams for *D* and *H* for 1944 and 1945.

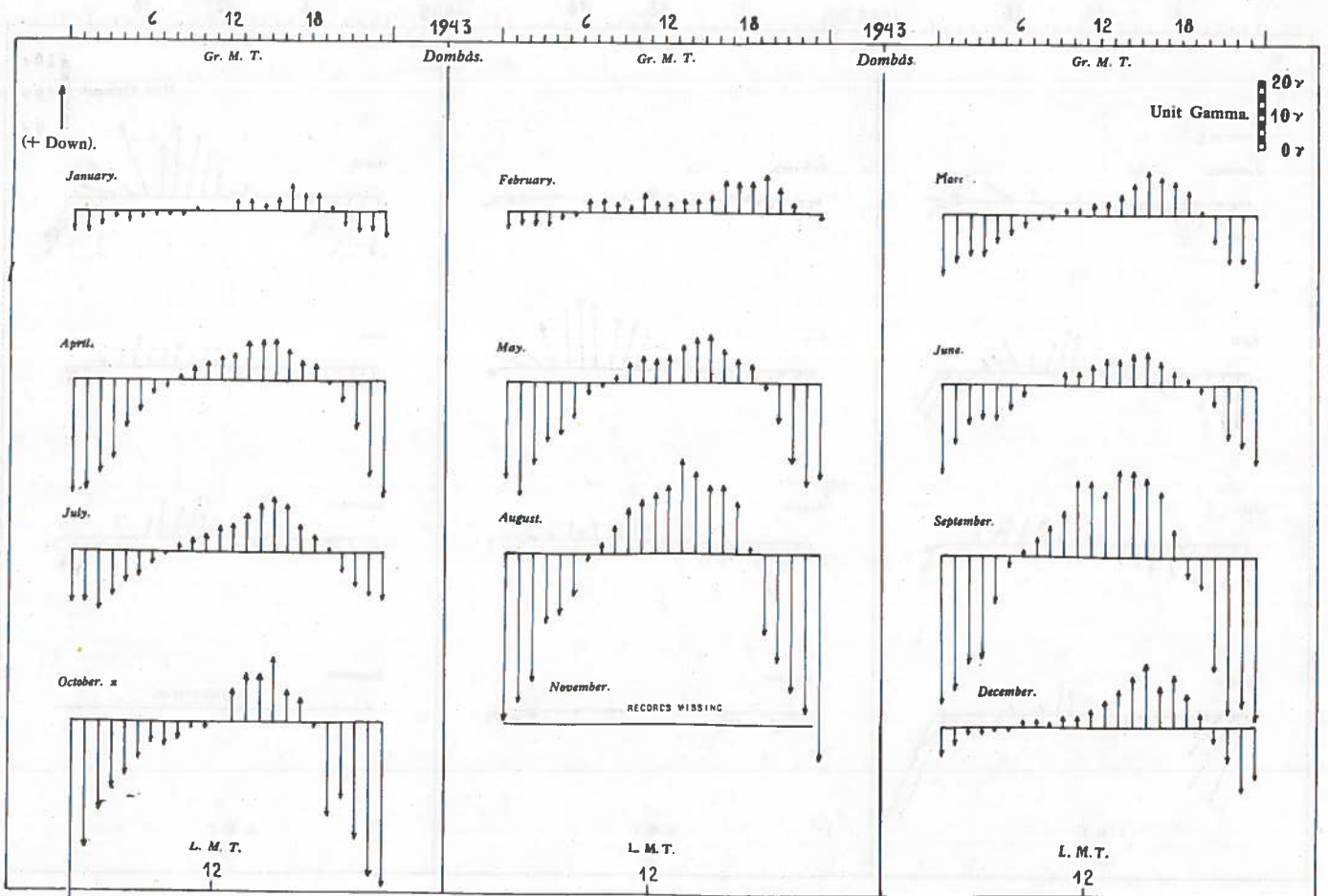
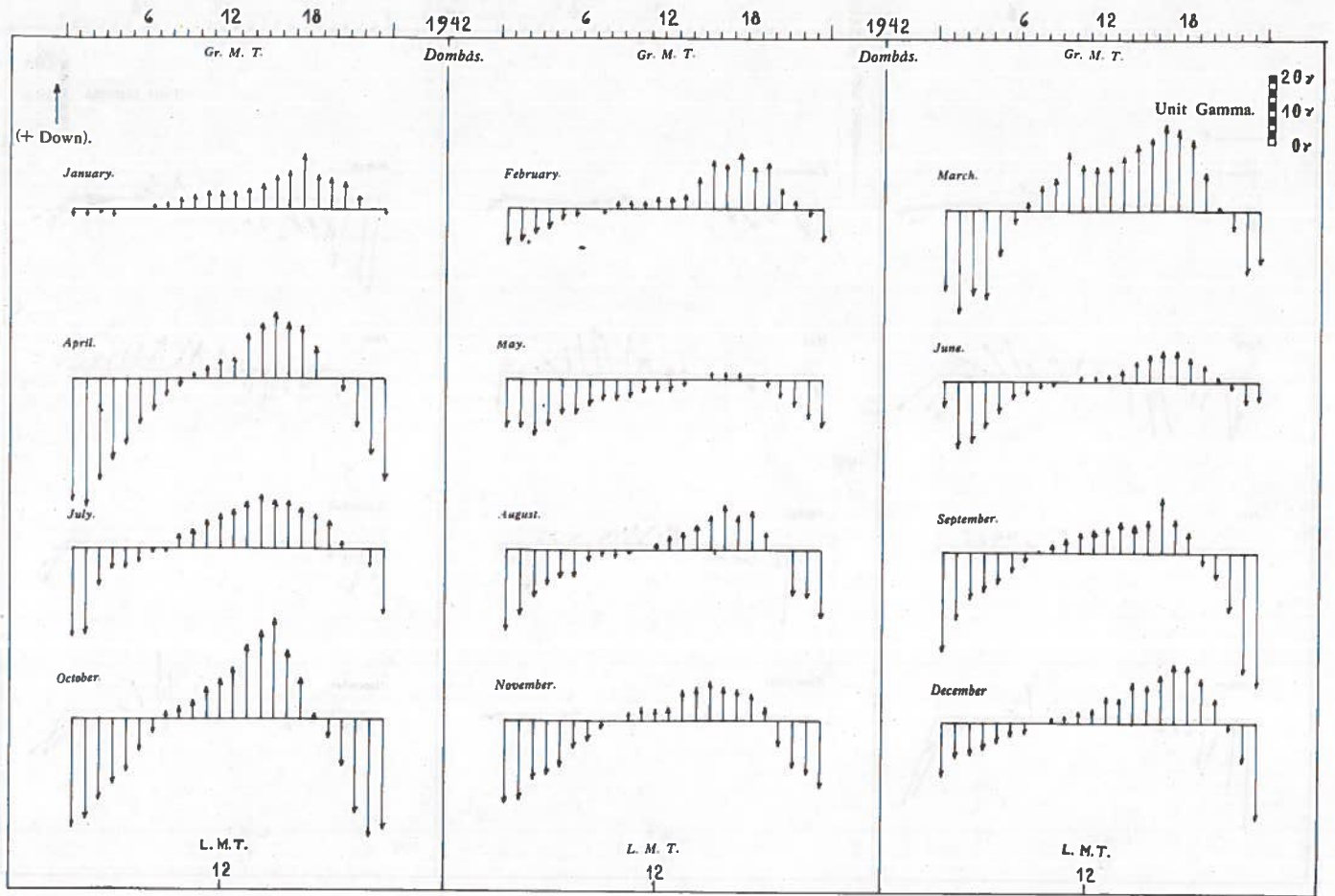


Fig. 5. Mean Monthly Values for Diurnal Variation for Storminess in the Vertical Intensity for 1942 and 1943.

RECORDS: 1774. - 3187. MISSING.



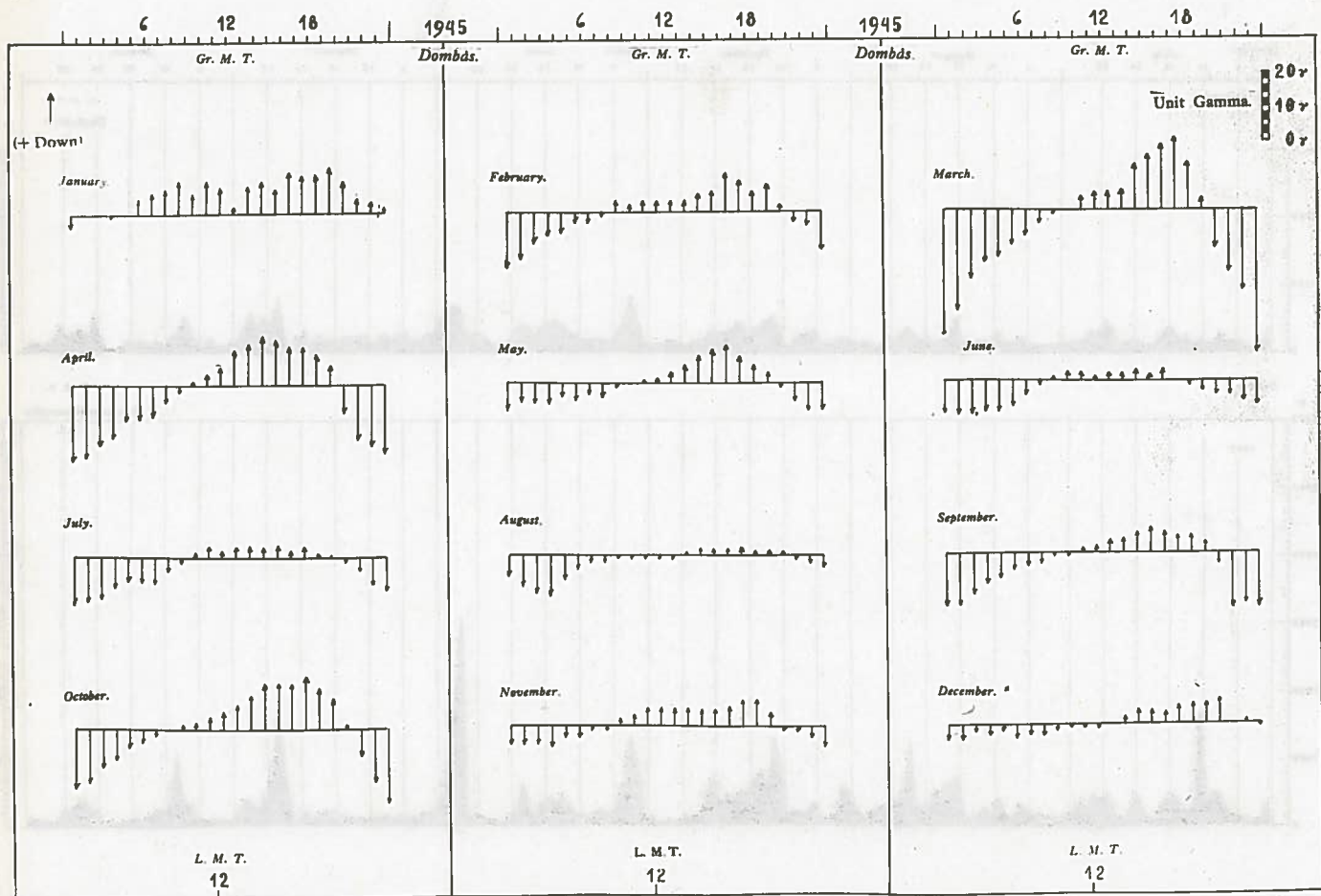
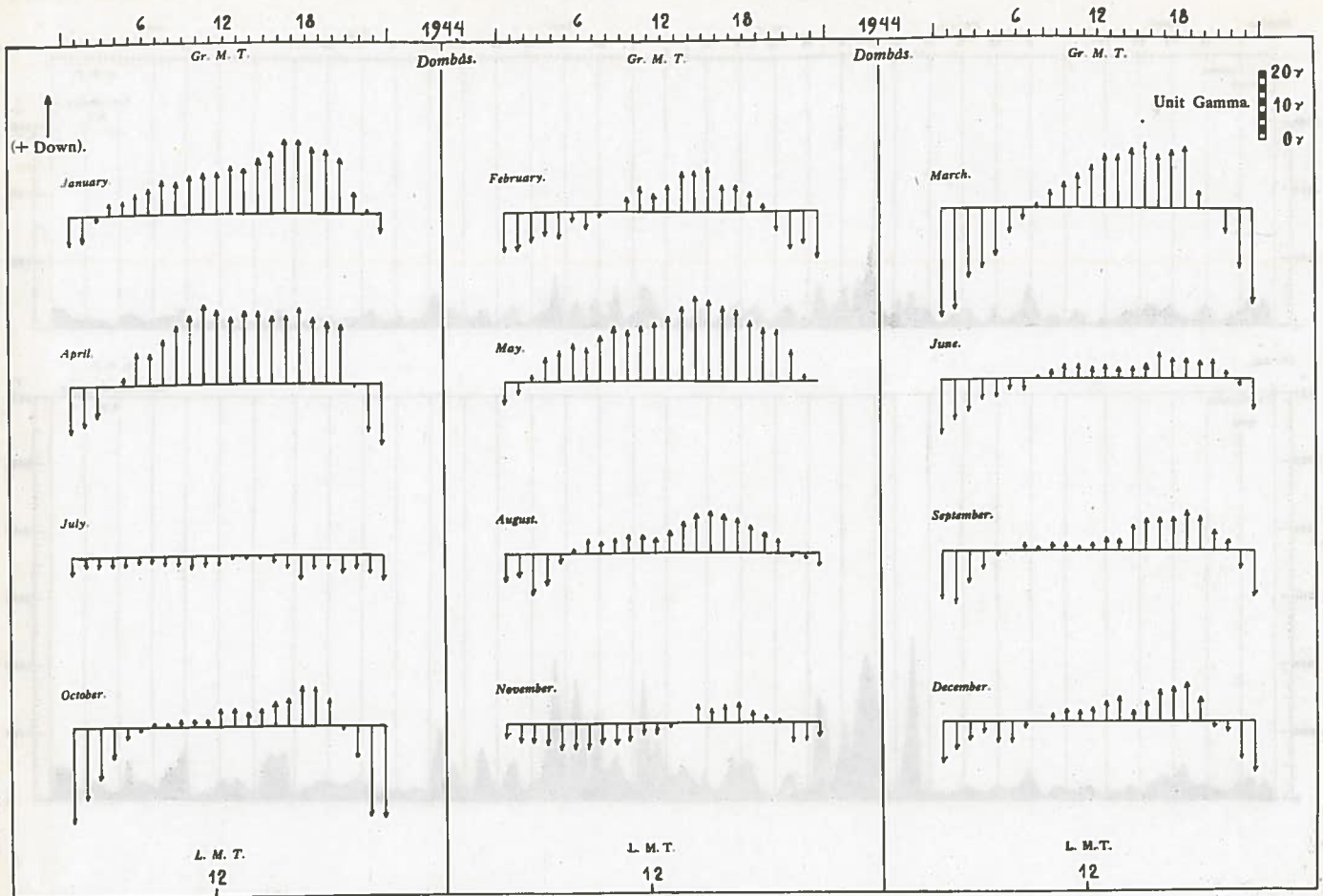
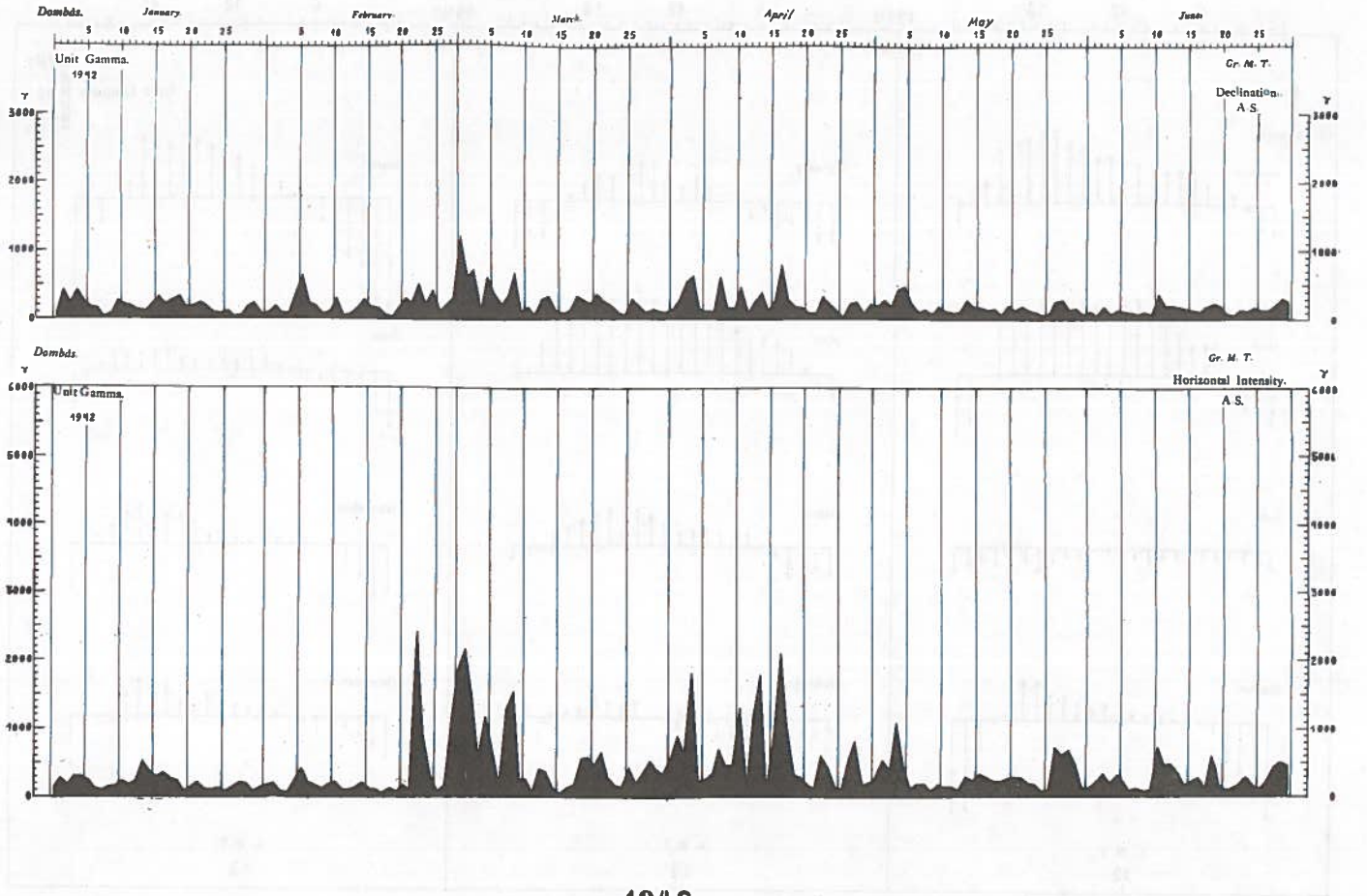


Fig. 6. Mean Monthly Values for Diurnal Variation for Storminess in the Vertical Intensity for 1944 and 1945.



1942

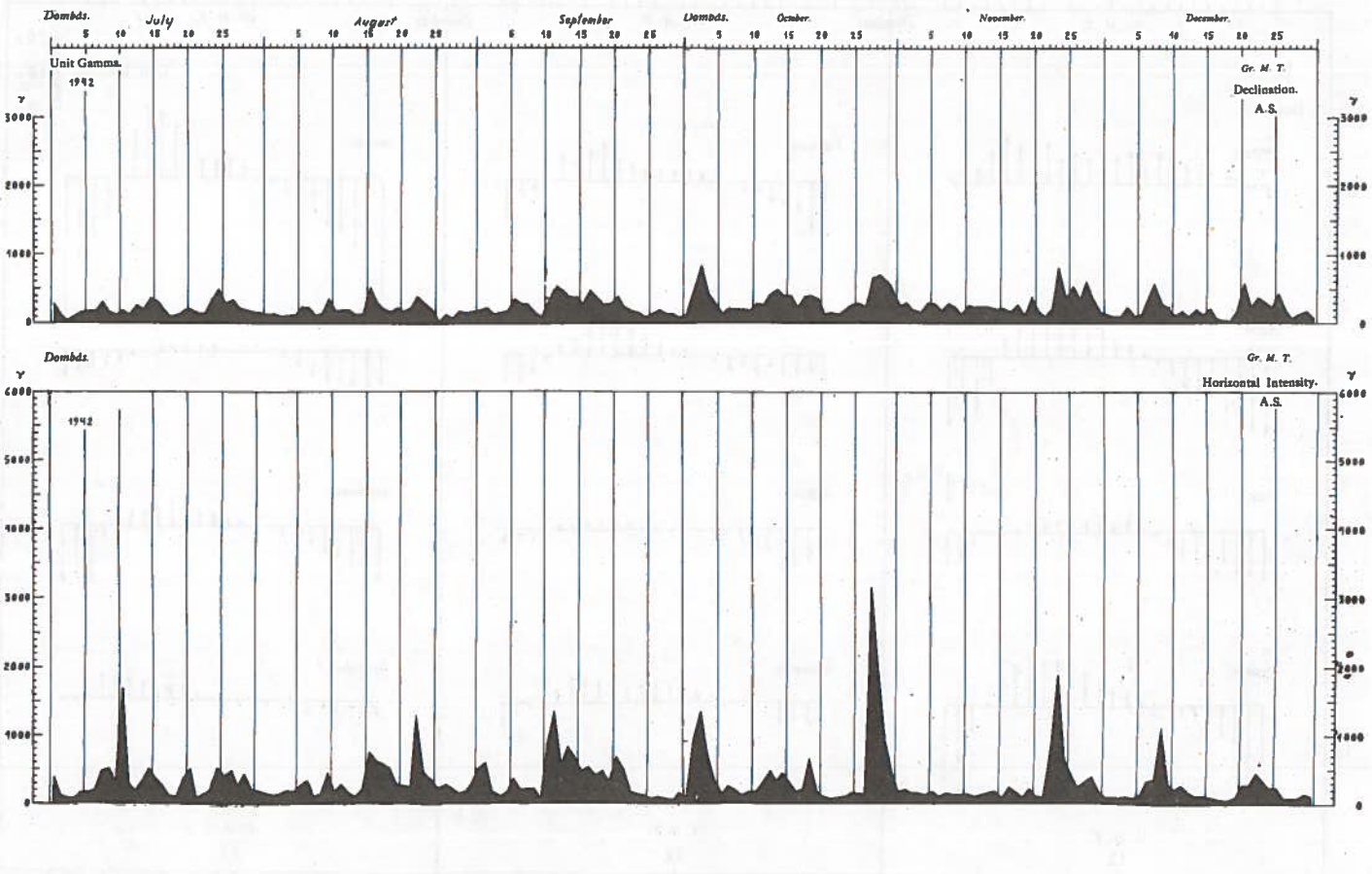
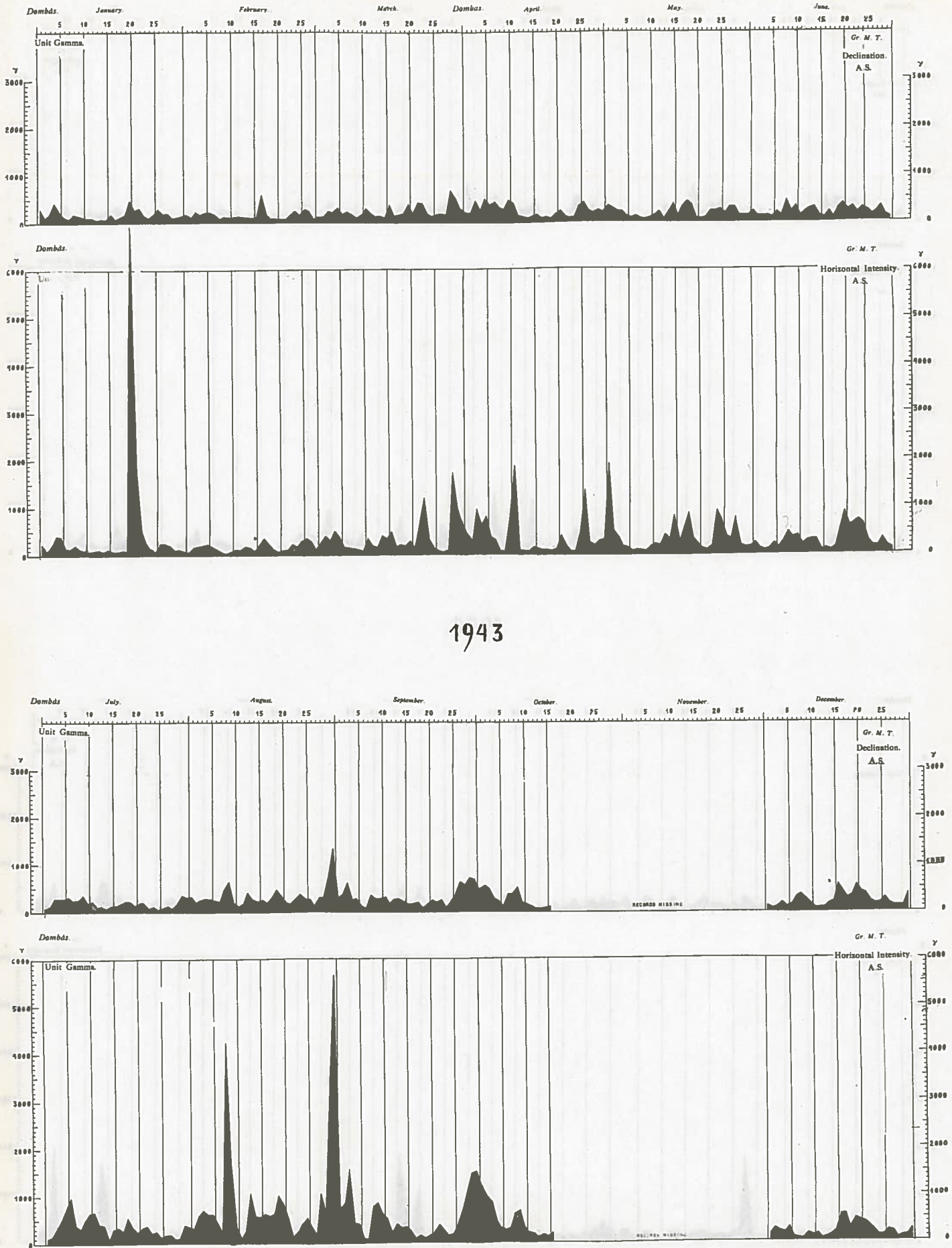
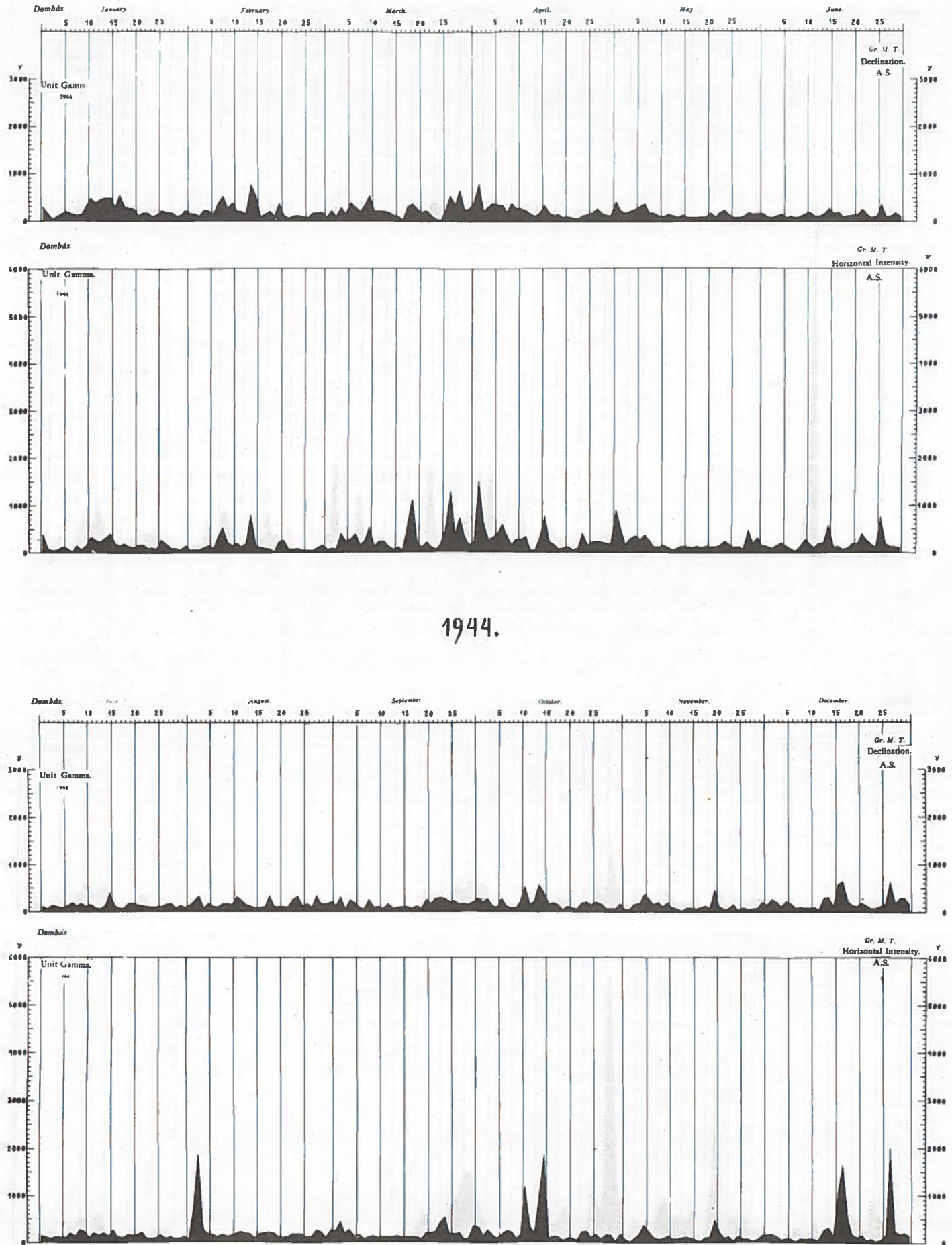


Fig. 7. Daily Values for Absolute Storminess for D and H for 1942.



1943

Fig. 8. Daily Values for Absolute Storminess for *D* and *H* for 1943.



1944.

Fig. 9. Daily Values for Absolute Storminess for *D* and *H* for 1944.

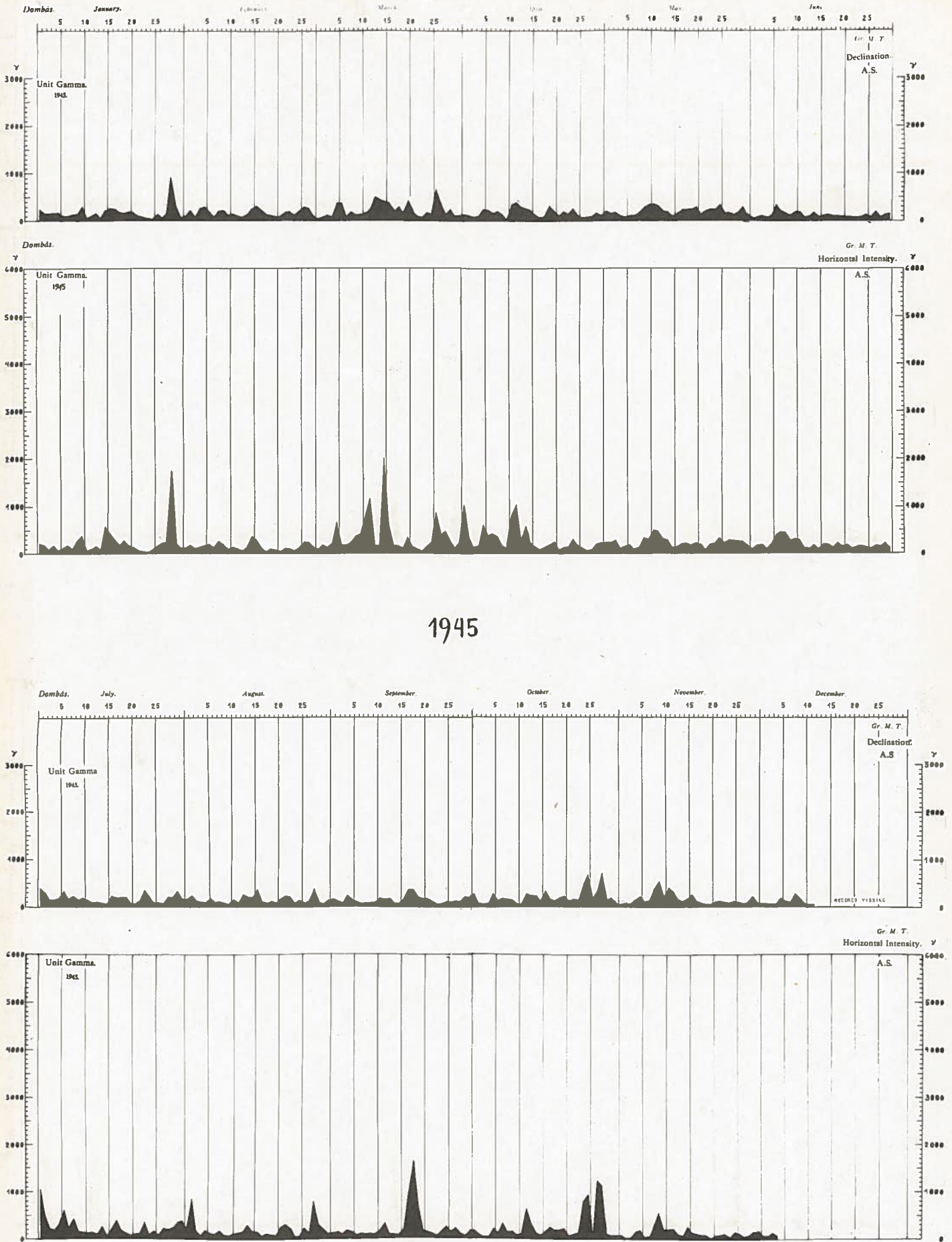
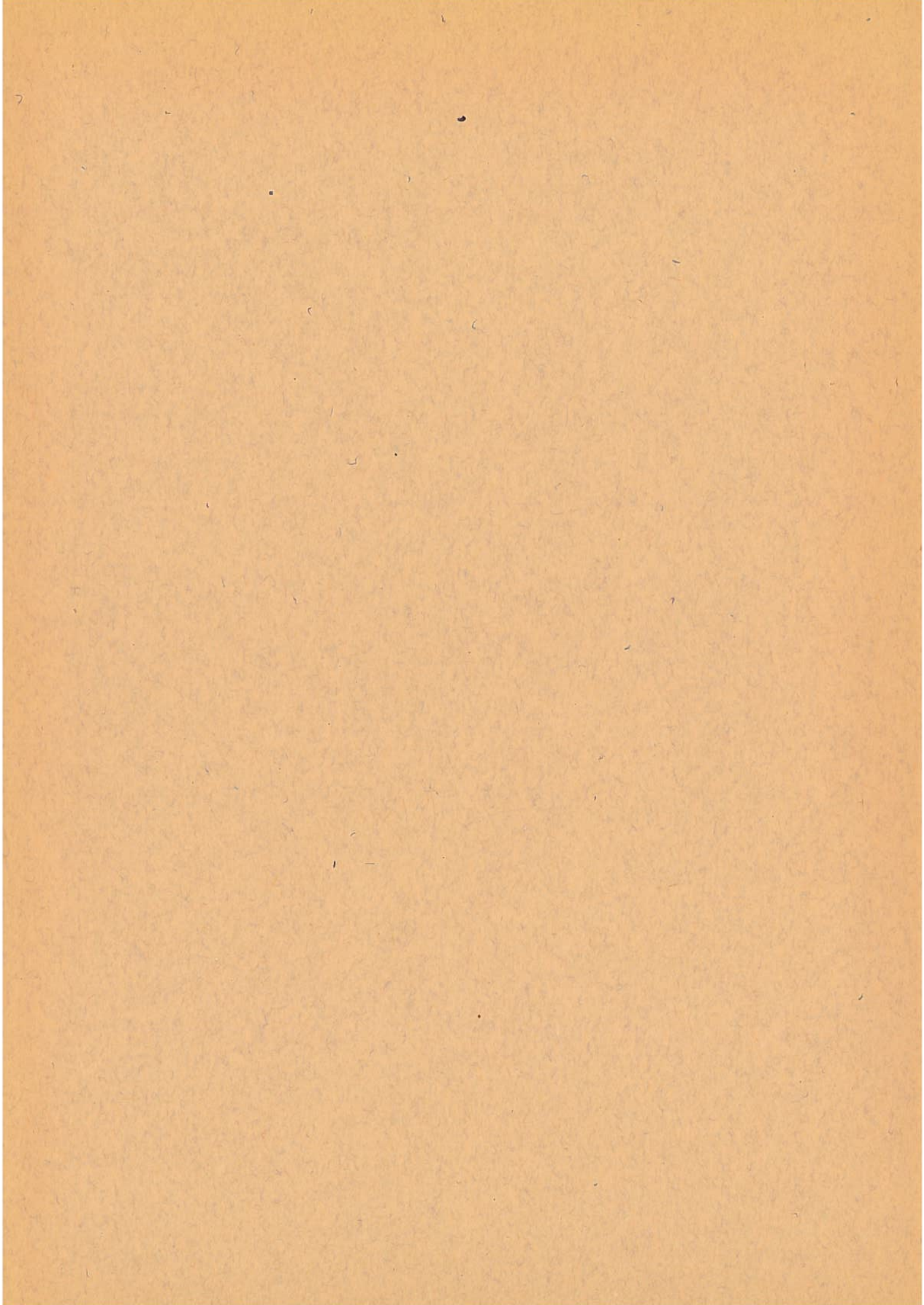


Fig. 10. Daily Values for Absolute Storminess for D and H for 1945.





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10. K. F. WASSERFALL: Some of the Most Characteristic Features of Magnetic Elements. Det Magnetiske Byrå. 1937.
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15. The Auroral Observatory at Tromsø. Results of Magnetic Observations for the Year 1937 by LEIV HARANG and E. TØNSBERG. Bergen 1938.
16. K. F. WASSERFALL: Contribution to the Study of the Variation in Magnetic Elements. Det Magnetiske Byrå. 1939.
17. The Auroral Observatory at Tromsø. Results of Magnetic Observations for the Year 1938 by LEIV HARANG and E. TØNSBERG. Bergen 1939.
18. B. TRUMPY and K. F. WASSERFALL: Results from the Magnetic Station at Dombås 1937 and 1938. Det Magnetiske Byrå 1940.
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20. B. TRUMPY and K. F. WASSERFALL: Results from the Magnetic Station at Dombås 1938. Det Magnetiske Byrå 1941.
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23. B. TRUMPY and K. F. WASSERFALL: Results from the Magnetic Station at Dombås 1940 and 1941. Det Magnetiske Byrå 1944.
24. The Auroral Observatory at Tromsø. Results of Magnetic Observations for the Year 1942 by LEIV HARANG and E. TØNSBERG. Bergen 1944.
25. The Auroral Observatory at Tromsø. Results of Magnetic Observations for the Year 1943 by LEIV HARANG and E. TØNSBERG. Bergen 1946.
26. The Auroral Observatory at Tromsø. Results of Magnetic Observations for the Year 1944 by LEIV HARANG and E. TØNSBERG. Bergen 1947.
27. The Auroral Observatory at Tromsø. Results of Magnetic Observations for the Year 1945 by LEIV HARANG and E. TØNSBERG. Bergen 1948.