

Publikasjoner fra  
DET NORSKE INSTITUTT FOR KOSMISK FYSIKK  
Nr. 43

GURO GJELLESTAD and HELGE DALSEIDE

THE MAGNETIC STATION AT DOMBÅS  
( $\varphi = 62^{\circ} 04'.4$  N,  $\lambda = 9^{\circ} 07'.0$  E Gr.)

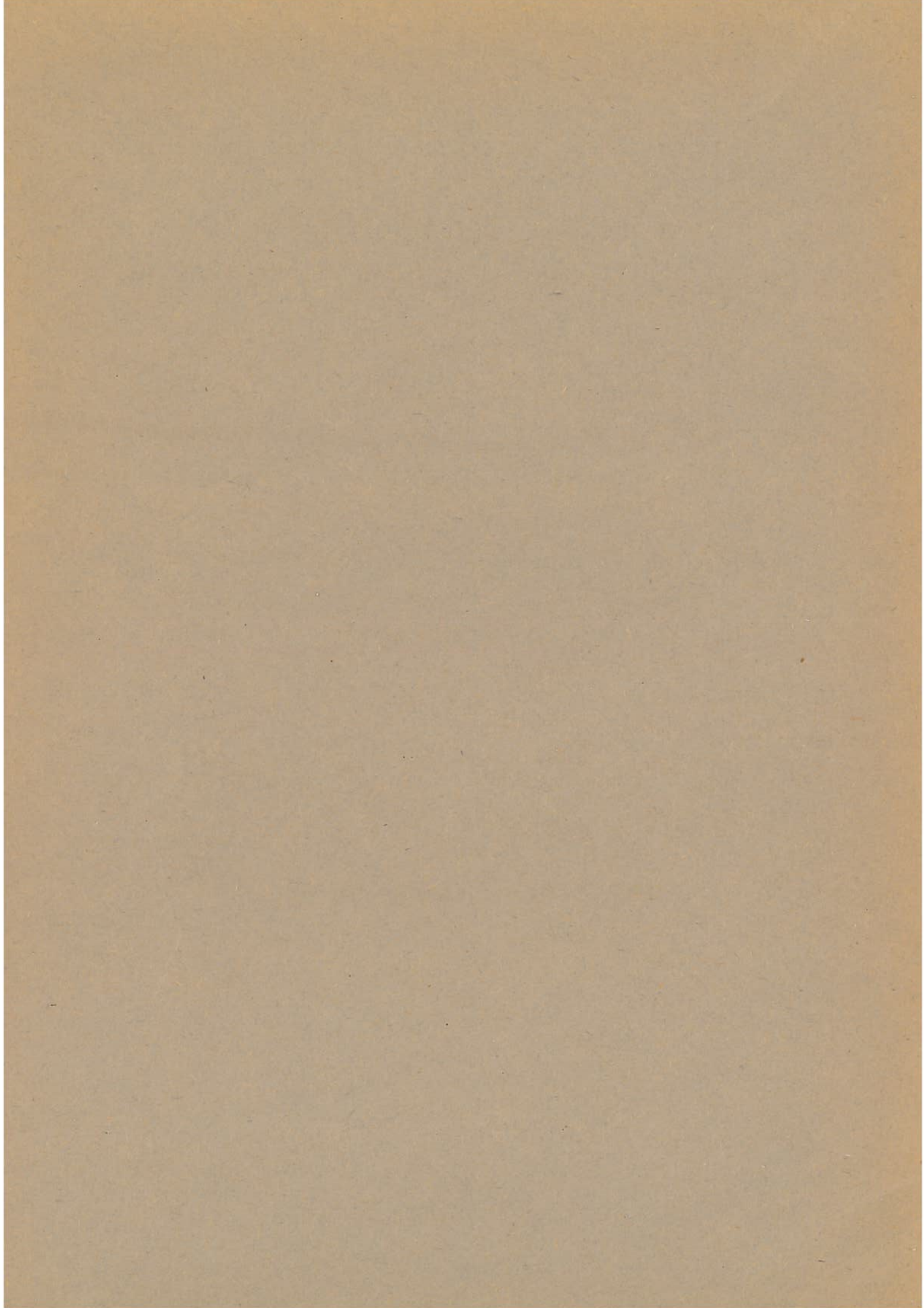
OBSERVATIONS 1954

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MAGNETISK BYRÅ  
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1958

A.S JOHN GRIEGS BOKTRYKKERI, BERGEN



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## INTRODUCTORY REMARKS

We refer to No. 39 of this series, Chap. I, in which has been given general information on instruments and installations at the new station, evaluation of the performance of the instruments and accuracy of observations and other information of more general character for the period 1951—56.

At *Dombås* the late Mr. *Per Einbu* supervised the instruments and made magnetic measurements, while Mr. *J. Froshaug* made some absolute observations in October. Scalings of the magnetograms for hourly mean values were undertaken by Mr. *Per Einbu*. In charge of reductions of recordings and observations and arrangement of the results for publication was author I.

No scale value determinations were made in 1954, and the scale values determined in 1951 were retained. They are given in *Table 1*. In *Table 1* the scale value  $9.59 \gamma/\text{mm}$  (for *D*) is equivalent to 2.38 minutes of arc per mm.

*Absolute measurements* were in 1954 undertaken at irregular intervals, and not as frequently as in the preceding two years, due to various circumstances (the resident observer's illness, meteorological conditions, engagement of some instruments in field work, etc.). No absolute measurements were made in December in any element; in January and March no absolute observations were made for Declination, and in July no absolute measurements for Vertical Intensity. With the exceptions mentioned, absolute measurements were made in each element at least once a month, and some months 2—5 observations were made, each observation usually consisting of series of measurements. Instruments used for absolute measurements were in 1954 *Elliott 38* and *QHM 78* for *Declination*, *QHM 15* and *78* for *Horizontal Intensity* and *BMZ 16* for *Vertical Intensity*. — In *Tables 2—4* are given adopted base line values, while the diagram in *Figure 1* gives both observed and adopted base line values. Each point in the diagram represents means of 1—9 series of measurements. The adopted base line values have, in accordance with usual procedure, been established by a graphical method. Some personal



TABLE 1  
ADOPTED SCALE VALUES 1954

D $\gamma/\text{mm}$	H $\gamma/\text{mm}$	Z $\gamma/\text{mm}$
9.59	8.97	7.59

judgement has been employed, and less weight has been given to observations made under difficult circumstances. In the diagram large dots represent points of greater weight than the average, while open circles represent points of less weight. — The large increase in the  $Z$  baseline values was discussed in No. 39 of this series (refer to Chap. I, § 7), and is probably to a large extent due to changing magnetic moment of the recording magnet, while the irregularities in the curve may be partly due to incomplete knowledge of the instrumental coefficients of the semi-absolute instrument BMZ 16 (refer to No. 39, Chap. I, § 6), partly due to possible disturbance of BMZ 16 in connection with field work.

*Temperature corrections* are negligible. *Possible mis-orientation* of the variometers and *possible shrinking* of the photographic paper are not known.

In the following are given Tables of *absolute hourly mean values* in three elements,  $D$ ,  $H$ , and  $Z$ , and *daily* and *hourly means* for all days and for the 5 international quiet and disturbed days. In a separate Table are given *monthly* and *annual means* for all days and for the 5 international quiet and disturbed days. Scalings of magnetograms for hourly mean values have been centered around half-hours, and Universal Time (GMT) has been used consistently in the Tables. Calculations and printing of magnetic tables have been performed on punched-card IBM machines in co-operation with the Geophysical Institute of the University of Bergen.

*Magnetisk Byrå* and the magnetic station at *Dombås* co-operate with the international central institute at *De Bill* regarding  $K$ -indices and  $C$ -data for activity, sudden commencements, solar flare effects, etc., and for those data we refer to the IAGA Bulletin No. 12i.

#### MONTHLY AND ANNUAL MEANS

1954	All days			Quiet days			Disturbed days		
	D	H	Z	D	H	Z	D	H	Z
Jan ....	5° 09'.4 W	13899 $\gamma$	47544 $\gamma$	5° 09'.9 W	13902 $\gamma$	47544 $\gamma$	5° 08'.0 W	13893 $\gamma$	47546 $\gamma$
Feb ....	08.5	897	548	09.1	901	550	07.1	887	543
Mar ....	07.8	896	551	08.2	901	553	07.0	887	542
Apr ....	07.5	895	555	08.6	906	560	04.9	872	536
May ....	07.6	909	558	07.5	911	561	07.7	904	556
Jun ....	07.9	915	552	08.0	913	553	08.2	915	554
Jul ....	07.5	912	553	07.4	913	556	08.1	912	552
Aug ....	06.5	905	553	07.2	907	557	05.9	902	547
Sep ....	05.2	898	555	05.4	900	561	04.1	890	547
Oct ....	04.4	893	560	05.4	902	561	03.5	879	541
Nov ....	04.4	902	568	04.9	907	565	03.9	891	566
Dec ....	04.6	908	570	04.6	910	568	04.5	904	568
Mean	5° 06'.8 W	13902 $\gamma$	47556 $\gamma$	5° 07'.2 W	13906 $\gamma$	47557 $\gamma$	5° 06'.1 W	13895 $\gamma$	47550 $\gamma$

TABLE 2  
ADOPTED BASE LINE VALUES  
DECLINATION 1954

Interval starting	Interval starting
Jan 1 5°00'.2	Jun 8 5°01'.5
Feb 1 00.4	Aug 20 01.3
Mar 1 00.7	Sep 28 01.0
Apr 1 01.0	Nov 5 5°00'.8
Jun 1 5°01'.2	

TABLE 3  
ADOPTED BASE LINE VALUES  
HORIZONTAL INTENSITY 1954

Interval starting	Interval starting
Jan 1 13650 γ	Sep 13 13644 γ
Mar 25 649	29 643
Apr 8 648	Oct 10 642
Jun 1 647	18 641
Jul 11 646	26 13640 γ
Aug 1 13645 γ	

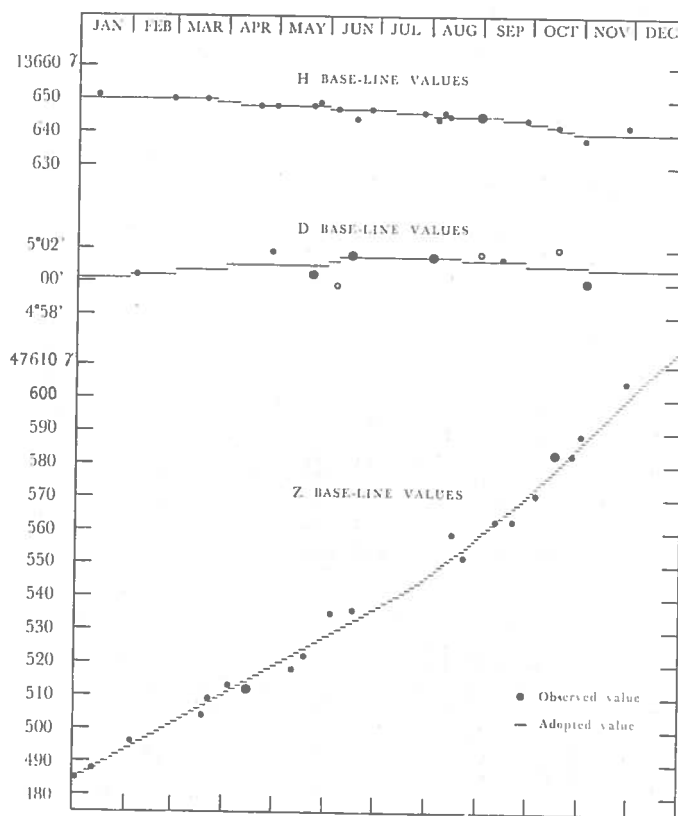


Fig. 1. Observed and adopted base-line values 1954.

TABLE 4. ADOPTED BASE LINE VALUES VERTICAL INTENSITY 1954

Interval starting	Interval starting	Interval starting	Interval starting	Interval starting	Interval starting
Jan 1 47485 γ	Mar 19 47507 γ	Jun 4 47529 γ	Aug 12 47551 γ	Oct 4 47573 γ	Nov 18 47595 γ
4 486	22 508	7 530	15 552	6 574	20 596
8 487	26 509	11 531	18 553	8 575	22 597
11 488	29 510	14 532	21 554	11 576	24 598
15 489	Apr 2 511	18 533	24 555	13 577	26 599
18 490	5 512	21 534	26 556	15 578	28 600
22 491	9 513	25 535	28 557	17 579	30 601
25 492	12 514	28 536	30 558	19 580	Dec 2 602
29 493	16 515	Jul 2 537	Sep 1 559	21 581	4 603
Feb 1 494	19 516	5 538	3 560	23 582	6 604
5 495	23 517	9 539	6 561	25 583	8 605
8 496	26 518	12 540	8 562	27 584	10 606
12 497	30 519	16 541	11 563	29 585	12 607
15 498	May 3 520	19 542	13 564	31 586	15 608
19 499	7 521	22 543	16 565	Nov 2 587	17 609
22 500	10 522	25 544	18 566	4 588	19 610
26 501	14 523	28 545	21 567	6 589	21 611
Mar 1 502	17 524	31 546	23 568	8 590	24 612
5 503	21 525	Aug 2 547	26 569	10 591	26 613
8 504	24 526	5 548	28 570	12 592	28 614
12 505	28 527	7 549	30 571	14 593	30 47615 γ
15 47506 γ	31 47528 γ	10 47550 γ	Oct 2 47572 γ	16 47594 γ	

Dombås

Declination. D = 4° W + Tabular Values expressed in Tenths of Minutes.

Table for January 1954 showing hourly mean values for declination D = 4° W. Columns include Day, Hour (1-23), and Mean. Rows are grouped by day (1-31) and include sub-rows for specific times (e.g., 0 1, 0 2, etc.).

Table for February 1954 showing hourly mean values for declination D = 4° W. Columns include Day, Hour (1-23), and Mean. Rows are grouped by day (1-28) and include sub-rows for specific times (e.g., 0 5, 0 6, etc.).

Table for March 1954 showing hourly mean values for declination D = 4° W. Columns include Day, Hour (1-23), and Mean. Rows are grouped by day (1-31) and include sub-rows for specific times (e.g., 0 1, 0 2, etc.).



Dombás

Declination. D = 4° W + Tabular Values expressed in Tenths of Minutes.

APRIL 1954

HOURLY MEAN VALUES.

GMT

Table for April 1954 showing hourly mean values for Dombás. Columns include Day, Hour (1-23), and Mean. Rows are grouped by day (0-30) and month (M, MQ, MD).

MAY

Table for May showing hourly mean values for Dombás. Columns include Day, Hour (1-23), and Mean. Rows are grouped by day (0-31) and month (M, MQ, MD).

JUNE

Table for June showing hourly mean values for Dombás. Columns include Day, Hour (1-23), and Mean. Rows are grouped by day (1-30) and month (M, MQ, MD).

Dombås

Declination, D = 4° W + Tabular Values expressed in Tenths of Minutes.

Table for July 1954 showing hourly mean values for declination. Columns include DAY, 1-23, and MEAN. Rows include D, Q, 0, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, M, MQ, MD.

Table for August showing hourly mean values for declination. Columns include DAY, 1-23, and MEAN. Rows include D, Q, 0, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, M, MQ, MD.

Table for September showing hourly mean values for declination. Columns include DAY, 1-23, and MEAN. Rows include D, Q, 0, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, M, MQ, MD.

Dombås

Declination. D = 4° W + Tabular Values expressed in Tenths of Minutes.

OCTOBER 1954

HOURLY MEAN VALUES

GMT

Table for October 1954 showing hourly mean values for Dombås. Columns include Day, Hour (1-24), and Mean. Rows are labeled with day numbers (D 1-31) and month initials (M, MQ, MD).

NOVEMBER

Table for November 1954 showing hourly mean values for Dombås. Columns include Day, Hour (1-24), and Mean. Rows are labeled with day numbers (D 1-31) and month initials (M, MQ, MD).

DECEMBER

Table for December 1954 showing hourly mean values for Dombås. Columns include Day, Hour (1-24), and Mean. Rows are labeled with day numbers (D 1-31) and month initials (M, MQ, MD).



Dombás

Horizontal Intensity. H = 13000  $\gamma$  + Tabular Values.

JANUARY 1954

HOURLY MEAN VALUES.

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MEAN
1	895	900	909	903	900	906	910	914	908	897	896	897	901	906	906	908	907	906	909	908	901	909	896	894	894	894	897	898	898	899	904	
2	897	898	912	904	901	901	901	908	910	903	897	897	897	896	901	899	896	890	897	898	896	896	896	895	898	894	897	898	898	899	894	
3	893	886	888	890	890	898	901	903	893	890	890	899	898	900	901	900	901	901	901	901	901	901	898	898	898	899	899	899	899	899	899	
4	895	885	896	896	896	896	899	900	900	900	900	901	905	909	908	904	900	907	902	901	901	914	955	908	886	894	897	898	898	898	894	
5	898	897	897	898	901	901	903	901	900	900	898	896	893	898	902	898	896	900	898	896	897	898	898	894	894	894	897	898	898	898	896	
6	891	890	891	891	891	899	904	900	900	900	898	896	893	898	902	898	896	900	898	896	897	898	898	894	894	894	897	898	898	898	897	
7	897	894	895	896	901	905	910	905	904	902	901	901	903	905	901	900	900	900	899	894	894	898	898	894	898	894	898	898	898	898	898	
8	893	894	898	902	906	906	908	902	891	884	890	891	894	896	903	898	898	902	900	901	904	906	903	906	900	900	900	900	900	900	901	
9	901	888	893	901	905	903	905	903	901	900	899	898	901	900	896	904	902	900	901	900	903	908	903	901	900	901	901	901	901	901	901	
10	898	900	902	903	901	899	902	900	908	908	900	901	901	896	904	902	900	901	900	903	908	909	909	900	900	900	900	900	900	900	902	
11	900	898	902	901	904	904	904	910	913	908	900	903	901	901	903	901	903	895	894	898	898	898	909	900	900	902	899	899	899	899	902	
12	896	899	898	901	908	915	913	911	910	911	901	893	892	893	901	883	881	886	880	883	896	898	898	896	893	897	893	893	893	893	893	
13	883	898	897	883	893	903	893	903	908	901	890	890	898	899	898	898	901	901	902	901	898	893	893	893	893	893	893	893	893	893	893	
14	900	900	898	901	903	906	908	908	906	903	903	900	906	906	906	903	901	903	905	888	891	893	901	905	895	902	902	902	902	902	902	
15	893	897	900	901	903	909	910	900	898	911	904	898	898	899	903	901	900	900	898	893	901	898	895	893	896	897	898	898	898	898	901	
16	893	894	903	903	909	908	906	903	905	903	903	901	891	900	906	906	908	908	888	895	893	896	896	897	898	898	898	898	898	898	901	
17	900	898	900	903	903	903	903	904	905	904	902	898	892	897	903	900	900	885	883	895	895	902	905	903	903	899	899	899	899	899	899	
18	897	893	896	898	905	910	905	902	907	907	906	905	910	896	898	896	900	906	900	905	901	895	901	895	898	893	893	893	893	893	893	
19	848	848	876	896	900	906	900	898	888	883	888	898	903	902	902	901	898	910	905	905	905	905	905	905	905	905	905	905	905	905	893	
20	865	883	873	888	890	893	893	890	894	890	893	888	900	895	902	896	897	898	896	912	903	895	896	897	897	897	897	897	897	897	893	
21	858	856	896	893	891	895	907	908	898	900	895	891	885	893	898	895	900	895	898	896	898	903	883	908	893	900	900	900	900	900	893	
22	895	895	891	902	900	903	905	898	895	892	898	900	903	908	898	902	900	903	906	905	895	898	908	902	900	893	893	893	893	893	900	
23	898	890	895	895	901	901	903	888	875	893	893	885	897	895	900	901	890	892	893	898	898	895	900	895	895	895	895	895	895	895	895	
24	890	890	893	896	900	906	903	900	901	901	898	893	893	895	900	898	898	900	903	904	902	901	901	901	901	901	901	901	901	901	900	
25	900	898	896	897	898	900	903	903	900	900	896	896	899	900	905	908	898	898	890	898	902	900	900	903	900	900	900	900	900	900	900	
26	900	900	900	900	905	907	903	906	901	896	894	895	896	900	902	905	901	900	897	901	901	901	903	903	900	901	901	901	901	901	901	
27	900	900	903	903	903	908	907	900	901	898	897	900	902	900	901	898	891	896	906	908	908	908	905	901	902	902	902	902	902	902	902	
28	900	900	900	901	908	903	907	907	911	911	903	902	902	901	904	904	910	910	908	908	903	903	903	904	904	904	904	904	904	904	905	
29	901	900	903	903	903	909	912	910	906	903	898	900	904	909	908	907	901	903	905	906	908	910	911	907	907	907	907	907	907	907	907	
30	901	900	903	903	903	906	903	903	904	906	904	900	896	896	900	900	906	902	900	903	901	901	901	901	901	901	901	901	901	901	901	
31	900	898	896	898	892	910	918	913	911	901	895	893	895	898	901	905	893	898	902	900	905	880	896	893	900	900	900	900	900	900	900	
M	893	893	896	898	901	904	905	903	902	900	898	896	899	900	902	900	899	899	899	899	898	903	898	897	897	897	897	897	897	897	897	
MQ	899	899	900	901	903	904	904	905	904	904	901	898	899	900	901	904	904	903	903	902	904	904	904	903	902	902	902	902	902	902	902	
MD	873	875	887	893	897	899	901	898	893	894	892	890	894	897	901	894	896	897	905	897	888	906	879	884	893	893	893	893	893	893	893	

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	24	25	26	27	28	29	30	MEAN
1	898	891	891	889	898	889	885	893	894	893	895	886	890	888	901	912	930	960	914	880	880	901	888	869	896	889	889	889	889	889	
2	880	874	852	859	885	894	890	890	897	894	887	882	890	910	892	898	900	895	898	899	899	900	900	900	868	889	889	889	889	889	
3	870	870	878	891	900	901	908	911	890	873	888	886	888	888	903	893	895	903	911	908	890	893	911	910	894	898	898	898	898	898	
4	891	890	890	897	891	907	900	898	902	895	894	894	900	900	900	898	904	906	900	890	881	890	909	900	902	898	898	898	898	898	
5	901	896	898	898	899	902	903	902	901	898	892	891	896	900	898	904	906	900	890	881	890	909	900	902	898	898	898	898	898	898	
6	900	898	895	896	895	902	908	908	900	896	895	895	898	901	902	903	905	906	906	906	906	902	900	898	901	898	898	898	898	901	
7	900	900	900	900	903	903	911	912	908	903	901	900	903	910	913	913	913	913	910	898	908	902	907	905	905	905	905	905	905	905	
8	900	896	892	896	898	903	905	907	905	898	898	895	896	891	898	903	907	908	910	908	908	908	908	908	908	908	908	908	908	908	
9	901	901	901	907	908	913	908	906	906	908	906	907	904	904	900	895	904	904	900	903	903	903	904	904	904	904	904	904	904	904	
10	902	902	898	895	901	907	905	895	905	904	896	904	902	893	904	897	896	896	903	917	903	904	904	911	904	904	904	904	904		



Dombás

Horizontal Intensity. H = 13000  $\gamma$  + Tabular Values.

APRIL 1954

HOURLY MEAN VALUES.

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
0 1	910	907	907	908	910	905	898	898	891	884	875	874	883	895	904	911	911	907	905	911	914	898	921	903	901
2	903	906	907	908	912	905	902	894	885	876	868	881	890	910	930	932	910	915	917	913	893	860	841	898	896
3	903	905	902	906	896	894	890	894	876	866	858	880	890	905	933	933	933	933	924	920	912	883	882	890	899
4	906	904	904	906	898	893	898	903	888	874	870	873	880	885	893	902	912	912	915	920	913	921	900	902	899
5	908	901	908	910	898	912	913	901	876	877	870	875	881	892	893	901	906	915	918	918	916	916	916	916	902
6	912	907	910	911	913	920	920	910	896	886	870	869	883	888	900	915	914	918	923	920	918	915	915	909	906
7	903	902	908	912	918	918	912	902	898	892	888	886	888	890	908	916	920	930	934	932	918	920	920	913	910
8	913	913	913	911	912	912	908	900	891	886	879	873	874	879	891	907	913	915	927	931	903	887	860	841	898
9	899	862	891	907	910	916	913	907	892	886	866	869	889	895	899	899	902	905	924	917	913	911	922	912	902
10	907	905	901	896	911	911	910	897	866	864	863	876	877	894	907	913	925	920	907	910	912	912	915	892	902
011	877	905	909	905	908	913	909	902	897	893	890	887	894	903	904	913	924	932	954	949	814	822	627	297	864
012	627	227	417	457	637	867	877	875	902	898	876	897	893	889	897	905	896	922	916	916	930	802	857	862	802
13	855	882	862	887	894	893	893	890	886	879	873	882	889	899	914	912	925	922	909	909	909	922	906	894	897
14	897	884	859	859	835	885	897	899	890	869	877	876	870	904	914	910	899	906	912	913	915	913	913	894	892
015	865	869	893	897	899	889	889	884	885	880	877	899	892	890	934	911	897	912	930	857	884	889	900	902	893
16	899	897	900	901	902	899	897	880	879	877	877	877	891	897	891	900	903	912	923	916	912	900	901	902	897
17	903	902	903	901	899	896	895	893	885	880	877	881	878	891	904	908	907	929	921	911	917	917	916	921	901
18	909	890	904	911	904	907	894	892	886	877	876	859	883	907	908	902	905	925	923	921	892	907	905	914	900
19	911	907	900	900	903	901	902	902	891	872	871	878	885	884	903	907	924	924	930	924	915	915	917	908	903
020	910	910	892	861	877	886	889	887	879	873	876	871	888	897	893	911	917	938	930	897	899	903	903	899	895
21	893	900	903	901	894	889	870	877	893	883	873	882	851	884	888	904	914	938	927	914	913	918	911	904	897
22	904	887	863	893	900	893	898	900	893	881	881	878	878	895	909	908	918	918	917	917	918	918	917	918	900
023	909	900	890	897	917	919	917	899	888	880	879	870	863	892	897	907	912	943	956	932	923	923	901	899	905
24	903	901	864	878	909	907	903	897	889	871	863	871	879	889	900	924	904	916	929	949	916	908	897	888	898
025	908	900	907	903	898	901	899	891	889	888	881	888	891	903	914	911	911	921	927	929	935	911	918	915	906
26	912	885	871	873	909	911	899	896	887	884	878	881	886	904	909	927	902	917	927	933	935	915	884	765	895
27	732	815	787	907	907	902	875	854	859	881	881	881	891	897	894	904	917	927	927	941	919	911	907	905	883
028	889	907	905	909	904	911	903	898	897	887	882	883	889	897	909	914	919	921	926	927	927	927	922	919	907
29	914	918	914	912	907	902	905	899	889	881	881	885	897	899	907	903	917	918	927	931	922	919	919	916	908
30	917	915	911	901	901	912	905	899	885	891	882	887	871	897	891	909	907	921	922	922	914	909	909	912	903
M	887	874	877	884	893	902	899	894	887	881	877	880	884	896	905	908	911	920	924	920	911	901	894	877	895
MQ	905	907	908	909	907	905	903	898	892	886	881	883	890	897	908	911	916	919	924	926	923	915	920	913	906
MD	858	762	801	803	848	893	896	889	890	884	880	885	886	894	905	909	909	929	937	910	890	868	838	772	872

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	MEAN	
0 1	900	892	903	908	909	909	908	900	889	884	885	888	893	896	900	906	910	915	918	918	918	917	914	916	904
2	912	911	905	909	898	890	918	901	889	881	878	888	896	898	908	911	918	921	925	928	920	920	918	916	906
3	910	912	910	908	900	904	899	897	888	879	883	892	900	911	912	914	916	917	924	922	923	928	929	928	909
0 4	928	924	919	916	916	907	903	898	895	889	884	886	901	916	918	917	908	948	942	928	920	901	858	906	910
5	907	906	912	912	909	907	899	889	890	888	891	885	894	903	905	906	920	920	924	928	928	918	919	916	907
6	902	898	909	908	899	904	900	897	901	889	876	875	884	893	899	908	918	924	923	923	921	918	917	918	904
0 7	917	916	917	915	915	914	909	904	895	884	878	881	891	901	903	911	918	929	934	928	928	924	923	920	911
8	918	909	909	906	909	909	908	898	886	882	882	895	888	893	918	930	918	914	936	936	941	902	883	858	905
0 9	811	863	868	904	888	901	896	878	876	862	858	866	888	895	898	909	913	932	940	928	913	900	912	914	892
10	913	911	904	903	906	910	898	893	886	880	878	881	893	903	910	915	920	923	936	935	918	917	919	911	907
011	917	864	889	910	904	904	890	894	880	860	871	877	891	898	903	910	918	928	936	930	925	921	914	895	901
12	908	906	913	917	917	918	918	903	893	885	872	876	885	902	914	926	932	942	945	926	920	918	916	908	911
13	919	912	912	910	910	911	909	907	892	884	883	880	893	891	882	905	914	936	936	941	923	916	917	918	907
14	894	888	895	909	915	911	898	898	896	885	876	880	891	900	906	910	911	922	928	928	922	914	915	916	905
15	914	914	915	918	908	907	905	901	895	891	885	898	900	915	926	925	920	918	923	925	925	918	915	912	913
16	897	902	894	909	900	888	896	898	888	882															

Dombås

Horizontal Intensity. H = 13000  $\gamma$  + Tabular Values.

JULY 1954

HOURLY MEAN VALUES.

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
0 1	914	911	918	924	925	889	889	900	898	882	875	890	897	913	927	931	939	934	931	929	929	922	918	916	913
0 2	914	915	914	916	913	904	898	888	879	878	876	880	900	907	919	928	937	944	938	938	923	924	917	918	911
0 3	917	915	921	922	920	915	906	898	893	888	884	890	895	887	908	924	933	935	937	933	923	929	929	925	913
0 4	915	915	915	917	914	907	901	898	892	885	883	882	884	896	915	922	948	946	954	941	935	927	925	927	914
6	924	924	925	930	930	930	922	903	891	892	898	898	899	915	921	920	927	942	956	947	918	919	920	924	920
7	918	907	917	932	921	916	907	897	890	883	868	878	897	907	912	914	918	929	935	933	928	924	920	913	911
8	916	917	916	917	916	910	906	898	888	878	874	870	868	890	912	918	919	938	946	930	923	920	916	916	908
9	914	917	901	915	921	919	915	904	898	888	888	891	898	904	910	916	921	925	928	935	937	926	928	923	914
10	923	920	920	924	917	918	914	905	889	883	879	887	898	899	917	928	928	930	937	931	928	924	924	924	914
11	917	922	923	927	924	911	899	897	892	889	894	894	905	909	915	922	924	930	933	937	938	939	937	932	917
12	920	914	914	915	915	920	925	918	906	894	884	879	885	901	947	961	928	929	939	937	932	928	922	908	918
13	919	917	920	920	922	919	916	905	891	880	881	886	887	897	917	920	934	935	935	936	922	924	924	929	914
14	927	917	915	894	906	899	915	916	907	894	880	882	886	911	927	930	951	930	934	937	933	927	921	917	915
15	917	918	917	914	912	906	892	880	885	887	887	865	899	931	913	906	911	917	923	926	927	924	920	918	908
16	917	916	910	914	913	910	907	900	892	881	883	894	887	900	901	915	923	917	931	950	923	900	907	915	909
17	909	908	909	904	899	911	901	893	894	893	893	888	897	900	910	917	927	931	930	928	922	923	921	913	909
18	889	932	910	880	912	911	907	897	882	881	883	887	892	907	915	924	937	927	925	927	927	925	920	927	909
19	909	915	920	920	921	921	914	905	897	887	882	881	887	908	917	929	932	939	959	944	937	917	919	917	916
20	915	904	909	915	914	898	897	891	880	881	887	887	894	895	904	904	927	927	927	929	926	917	918	917	907
21	916	913	913	913	915	921	917	909	897	885	880	886	891	907	916	924	907	937	929	935	936	927	926	917	913
22	912	912	919	922	920	917	910	896	887	886	891	897	903	907	901	902	909	916	929	930	928	921	917	917	910
23	917	915	914	914	915	913	907	899	890	882	886	879	893	902	915	915	913	913	923	927	923	922	924	924	909
24	917	897	914	921	916	901	899	906	902	887	883	885	897	910	910	910	916	929	933	930	922	920	915	916	910
25	913	919	917	917	917	910	902	886	882	881	887	867	887	902	924	918	923	927	925	930	924	918	919	930	909
26	909	899	912	910	904	902	897	892	887	885	887	890	881	897	911	933	924	933	918	917	922	925	927	923	908
27	922	917	889	894	902	907	906	900	897	887	883	897	890	915	912	917	927	931	931	933	926	920	909	907	916
28	917	920	925	925	897	906	907	894	886	885	877	880	890	922	957	949	931	945	924	915	915	925	917	910	913
29	908	865	874	901	910	897	888	887	887	887	891	887	915	912	927	928	927	920	937	927	917	918	917	918	906
30	919	925	918	919	915	910	905	897	893	891	887	907	906	924	936	939	931	925	919	921	924	926	927	932	917
31	924	916	916	914	910	910	910	889	876	877	884	908	900	908	918	913	916	919	923	923	928	921	904	913	908
M	916	913	914	915	915	910	906	898	891	885	884	886	894	906	918	922	926	930	933	932	927	923	920	920	912
MQ	917	916	915	919	918	913	907	898	889	884	882	888	898	901	913	923	928	933	935	933	929	927	923	922	913
MD	919	917	913	911	909	902	904	899	894	886	880	883	894	913	929	929	934	933	927	929	925	922	917	916	912

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	MEAN	
1	921	921	917	912	911	916	913	911	897	879	877	898	893	887	901	913	923	931	926	923	920	916	916	912	910
2	909	908	900	876	890	900	897	891	885	880	870	888	883	898	906	907	922	933	932	924	920	920	919	915	903
3	909	910	911	913	912	906	901	892	883	884	876	871	890	899	911	917	924	923	923	926	930	917	919	924	907
4	925	926	923	921	918	914	903	887	881	884	881	884	886	890	902	910	915	921	926	925	926	918	916	913	908
5	911	910	904	904	910	909	904	900	890	882	884	890	896	897	906	905	924	932	933	928	924	919	900	890	906
6	894	886	905	925	933	919	910	895	861	861	870	883	907	883	881	917	927	923	930	937	935	930	910	903	905
7	890	900	901	911	910	905	896	889	880	869	850	867	889	914	912	925	917	937	938	937	924	908	905	905	903
8	895	895	909	910	910	910	903	890	890	886	874	872	885	902	910	914	914	921	922	922	920	918	913	914	904
9	918	914	910	909	908	907	902	897	890	888	890	893	909	910	910	898	916	918	925	932	919	920	910	902	908
10	900	915	917	915	912	906	900	890	887	886	887	890	890	900	910	910	922	920	920	923	925	928	924	918	908
11	900	892	806	909	915	915	913	905	895	882	883	887	887	904	916	918	928	911	916	922	920	916	911	911	903
12	902	895	903	909	910	909	905	895	884	875	880	896	894	914	920	914	915	910	917	922	921	916	913	908	905
13	908	909	911	913	910	902	900	898	891	883	883	890	900	911	910	920	920	910	933	932	929	924	927	925	910
14	920	899	909	914	910	904	899	886	881	890	890	895	906	908	913	923	913	920	929	922	920	916	914	908	908
15	911	906	909	916	917	915	909	894	881	879	881	891	894	907	910	926	932	931	940	927	929	926	916	910	911
16	920	917	920	923	926	913	903	896	880	877	883	884	910	940	907	904	912	921	916	920	920	912	916	921	910
17	913	911	907	906	905	904	896	887	864	854	882	882	890	902	915	912	911	927	917	916	916	917	918	916	909
18	900	902	900	902	898	900	892	890	882	880	888	888	890	907	917	900	910	925	915	926	913	924	913	910	903
19	877	876	911	906	903	910	903	894	877	867	870	880	896	910	912	921	911	923	918	920	920	922	925	922	903
20	903	911	913	916	908	899	893	897	890	881	883	885	895	897	904	911	913	924	925	925	923	918	915	916	906
21	913	914	913	915	913	912	893	886	884	878	867	880	898	906	913	910	914	915	917	930	921	919	920	911	906
22	904	848	833	900	903	857	885	893	891	889	881	884	891	890	901	903	917	914	920	930	926	920			

Dombás

Horizontal Intensity. H = 13000  $\gamma$  + Tabular Values.

OCTOBER 1954

HOURLY MEAN VALUES.

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
D 1	904	888	865	804	801	871	891	855	831	836	864	889	888	892	901	913	964	976	911	898	901	878	890	895	884
D 2	891	871	863	901	898	891	903	895	890	881	878	878	881	887	898	901	901	903	903	908	916	895	901	813	889
D 3	884	767	887	918	911	895	885	871	871	876	881	879	881	893	907	929	931	936	918	911	909	888	766	621	875
D 4	746	646	851	891	901	893	899	891	891	885	881	873	885	898	905	925	899	901	903	906	905	898	904	900	878
D 5	901	900	851	902	898	903	905	903	893	887	886	883	886	891	897	906	901	904	906	913	926	895	911	914	901
6	911	907	910	901	891	893	913	903	884	861	856	869	901	893	921	949	951	951	884	896	901	901	901	900	902
7	896	896	898	891	901	901	901	898	897	888	891	883	875	879	896	915	899	905	884	893	901	904	905	896	896
8	884	891	906	910	901	901	901	893	892	891	891	891	891	875	896	881	893	901	903	904	903	907	894	883	895
9	907	901	901	901	903	898	901	901	895	889	882	882	887	891	894	898	903	906	908	911	911	911	908	902	900
10	902	906	904	895	904	910	908	898	890	884	889	889	896	900	900	902	904	905	902	902	901	903	905	910	902
11	900	909	905	906	910	915	902	902	890	884	886	880	880	887	895	897	901	903	907	906	907	909	909	910	900
12	906	907	906	908	910	909	909	903	895	890	887	890	890	892	900	902	905	909	911	910	911	912	913	912	904
13	910	910	908	908	910	910	909	906	893	884	880	882	890	896	898	904	908	908	910	908	912	914	914	916	904
14	912	906	912	912	912	913	914	910	901	889	874	880	885	890	891	896	906	902	897	900	911	887	900	905	900
15	903	901	907	907	915	919	908	906	896	880	880	888	884	889	890	902	906	910	910	910	911	910	910	905	902
16	902	909	910	911	910	910	910	907	898	894	891	891	893	898	910	899	887	899	909	900	902	899	899	904	902
17	903	896	901	900	905	911	910	906	896	889	885	880	882	893	899	909	904	909	909	909	897	879	854	894	897
18	882	859	889	896	927	916	886	885	889	893	889	855	888	890	902	899	889	909	879	889	894	899	890	892	897
19	897	897	898	879	890	897	897	899	882	882	884	872	888	890	902	899	889	909	888	890	889	889	889	892	894
20	893	879	879	899	910	903	904	865	844	855	862	868	882	889	885	891	889	889	883	884	884	889	885	908	884
21	900	901	900	900	904	908	908	899	891	885	875	883	889	892	899	895	897	899	899	907	899	901	901	900	897
22	901	900	902	904	909	909	903	899	889	882	882	889	896	896	899	895	909	909	902	885	879	848	819	809	888
23	864	878	897	899	919	903	908	908	903	879	871	903	901	895	915	909	901	901	909	819	799	709	674	629	862
24	894	741	824	859	849	839	819	829	849	879	883	899	907	894	924	969	914	949	909	924	799	809	881	891	876
25	871	819	846	843	889	886	909	896	879	885	879	879	881	895	894	896	899	894	897	898	900	898	900	895	885
26	892	888	894	901	903	911	904	892	874	878	882	888	892	896	898	908	892	901	907	891	893	903	895	892	895
27	890	892	898	898	898	899	907	900	901	862	850	873	894	893	898	888	889	898	901	898	898	900	903	898	893
28	888	894	888	896	897	898	899	895	890	880	878	885	890	898	902	898	900	904	900	908	900	910	903	900	896
29	900	900	901	906	910	910	911	911	900	893	890	890	888	900	904	906	908	909	911	915	910	908	900	903	903
30	890	878	888	888	900	907	898	900	898	900	888	888	891	897	888	888	898	900	898	900	880	878	898	902	891
31	893	893	898	901	908	916	902	909	901	892	880	883	886	888	888	896	910	915	889	890	858	859	888	898	893
M	883	875	891	894	899	902	901	895	887	881	880	882	888	896	901	907	911	910	905	899	894	888	885	877	893
MQ	906	905	904	904	908	909	907	903	894	885	884	886	889	894	898	902	905	908	908	908	910	910	911	907	902
MD	841	827	872	875	877	886	878	870	869	872	878	885	889	916	915	931	960	933	919	888	860	841	820	786	879

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	MEAN	
D 1	898	892	878	881	896	892	888	898	898	886	876	878	880	888	909	925	881	891	928	888	858	875	878	890	890
D 2	735	788	878	910	878	868	897	899	892	897	878	883	893	888	896	884	896	895	908	905	908	898	901	865	880
D 3	868	858	881	898	888	878	888	888	878	888	886	878	888	889	896	899	901	904	896	899	918	908	908	895	889
D 4	896	892	898	898	900	898	907	904	899	889	878	878	889	894	899	899	901	904	898	904	907	908	907	903	898
D 5	916	898	894	908	911	908	906	908	888	880	887	888	888	898	898	898	900	900	894	899	901	903	901	902	899
6	903	901	901	908	910	907	898	901	899	891	890	890	896	896	901	903	896	898	931	890	901	891	866	898	899
7	901	897	900	907	909	910	912	907	902	894	892	895	897	900	901	908	910	908	910	908	907	908	905	903	904
8	900	900	909	909	910	911	916	911	900	893	890	890	894	899	905	901	901	898	900	890	896	918	897	901	905
9	905	901	902	901	908	910	915	910	906	900	899	898	902	905	908	903	903	903	905	896	910	910	908	907	905
10	903	903	905	909	911	911	910	909	903	898	893	896	897	900	902	903	903	904	908	910	908	910	909	910	905
11	910	910	910	908	916	918	919	916	909	898	893	897	902	898	901	903	901	901	903	900	910	913	914	911	907
12	911	912	911	903	897	921	923	915	903	900	896	899	899	896	901	905	906	910	906	899	897	901	907	908	905
13	906	901	901	906	908	910	912	913	904	900	895	896	900	903	908	909	909	910	915	911	907	910	915	913	907
14	907	901	900	902	902	916	916	916	908	898	898	897	898	900	901	900	894	893	892	897	901	906	901	900	902
15	908	907	907	907	908	909	910	908	905	902	900	897	899	901	906	909	910	910	910	910	908	906	908	908	906
16	906	908	906	905	908	910	910	909	901	899	898	901	905	910	911	911	912	911	913	915	916	913	911	910	908
17	910	910	910	910	910	911	915	916	919	914	914	913	910	911	913	913	912	915	914	915	911	911	910	909	912
18	909	907	911	913	912	912	911	911	911	910	915	918	919	920	912	910	913	923	924	921	921	918	913	910	914
19	910	900	900	889	918	927	916	914	908	907	898	900	898	901	900	905	896	891	895	888	890	894	886	896	901
20	895	886	893	898	902	911	912	900	882	888	888	903	910	890	889	891	888	895	892	889	889	898	899	895	895
21	896	893	890	901	901	904	908	903	900	895	900	903	901	888	894	897	904	911	910	912	908				



Dombás

Vertical Intensity. Z = 47000 γ + Tabular Values.

JANUARY 1954

HOURLY MEAN VALUES.

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
0 1	544	524	517	528	535	536	537	535	537	543	544	544	545	545	545	543	542	542	542	543	551	542	541	545	540
0 2	535	510	507	524	530	535	535	538	535	537	538	542	549	566	625	590	565	578	601	605	575	557	547	542	545
0 3	525	522	537	540	546	547	545	545	546	548	546	548	545	551	554	553	552	550	549	548	548	547	545	538	545
0 4	540	544	546	546	546	546	546	546	546	546	546	546	546	546	546	547	547	546	547	547	546	546	546	546	549
0 5	546	544	543	543	543	543	543	543	543	542	542	542	539	542	542	545	552	548	556	553	610	586	519	541	549
6	546	546	546	546	540	532	536	536	542	543	545	546	546	546	547	556	562	550	549	552	546	547	546	542	546
7	539	542	542	540	540	540	540	541	540	541	542	541	538	542	545	548	575	586	591	585	561	542	539	532	549
8	523	497	521	534	537	537	537	538	544	547	547	543	546	547	548	547	547	547	549	557	557	547	547	539	540
9	502	531	537	537	535	537	537	537	539	537	537	539	539	547	547	547	550	549	548	550	547	537	539	527	545
0 10	539	542	541	540	540	542	541	541	541	543	543	539	543	548	547	547	547	553	555	554	557	543	542	541	548
11	541	542	539	539	538	535	534	537	538	539	540	539	539	540	542	542	545	554	558	552	556	558	522	529	542
12	532	528	533	538	538	538	538	538	538	534	539	541	540	544	543	573	585	584	610	610	582	564	553	550	548
13	544	534	522	525	534	537	536	535	541	539	541	542	540	544	545	548	548	548	548	548	554	555	518	515	539
14	531	537	539	541	541	541	538	538	539	538	538	538	538	541	541	541	548	548	568	560	555	543	528	532	542
15	537	530	538	543	543	540	539	537	539	536	539	540	544	546	545	545	545	547	551	553	559	553	548	514	542
16	512	525	537	544	540	540	539	539	539	541	541	542	542	545	544	543	543	546	579	577	555	550	546	542	544
17	541	543	542	542	539	540	540	539	539	539	539	539	540	544	545	546	548	564	569	558	563	549	542	537	545
18	544	543	537	534	536	536	536	535	535	537	537	540	540	550	559	560	566	550	560	550	554	558	500	465	540
0 19	480	440	487	520	533	530	534	535	538	538	541	546	553	555	550	550	563	625	580	620	575	605	550	491	543
0 20	533	546	510	520	537	543	545	548	540	545	545	550	549	553	554	570	600	585	560	530	550	546	539	549	549
0 21	483	510	512	527	527	520	526	531	535	540	545	547	553	558	557	560	557	568	573	552	567	552	503	483	537
0 22	505	526	524	506	511	516	511	541	547	551	551	545	544	550	556	554	570	571	565	574	557	554	551	541	544
0 23	547	541	507	541	524	536	538	545	552	548	550	557	554	554	561	555	567	558	558	561	554	550	544	545	547
0 24	531	527	534	541	543	543	542	543	543	543	543	546	545	544	548	548	549	551	551	544	545	545	542	541	543
0 25	542	542	542	542	542	542	542	542	542	542	542	540	542	546	549	551	562	568	558	557	553	549	545	548	547
0 26	547	532	540	544	540	540	542	542	545	543	545	545	543	543	543	545	552	552	555	557	551	557	552	548	546
0 27	546	540	542	542	540	542	543	541	541	544	542	542	545	549	550	559	564	564	562	568	552	552	550	546	549
0 28	546	543	537	541	537	542	541	541	541	541	540	542	540	542	542	546	545	546	548	546	545	544	542	542	542
0 29	543	538	539	540	539	537	538	536	536	538	539	541	541	542	543	543	553	551	548	546	546	543	543	543	542
0 30	540	535	539	541	543	540	541	540	542	543	543	542	543	543	546	553	549	550	539	563	559	557	544	539	546
0 31	538	543	542	543	540	536	538	537	537	538	540	540	542	544	550	557	590	563	562	558	557	554	535	538	547
M	532	531	532	536	537	538	539	539	541	541	542	543	544	547	550	552	556	560	562	563	557	553	539	532	544
MQ	543	540	541	542	540	540	542	541	541	541	542	543	543	544	545	546	549	550	551	550	551	547	545	544	544
MD	516	509	505	520	530	533	536	539	540	542	544	548	552	557	569	565	567	586	579	580	560	563	538	520	546

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	MEAN	
1	537	543	544	518	481	507	514	532	547	552	554	554	554	565	581	654	664	704	692	607	577	565	510	469	564
2	447	474	464	468	501	519	525	534	538	542	546	554	567	557	591	584	564	568	561	554	550	550	511	438	529
3	414	434	484	524	538	544	544	534	536	538	540	545	567	570	565	561	557	554	554	564	572	553	519	466	533
4	510	516	502	487	504	524	530	535	537	540	540	544	544	548	552	554	558	551	557	549	547	551	546	540	546
0 5	533	542	545	545	545	545	543	544	542	544	545	545	548	549	552	555	555	560	575	574	571	549	539	542	549
0 6	541	541	547	549	546	544	545	544	543	545	545	545	553	554	552	552	551	551	551	551	552	555	557	555	549
0 7	552	548	550	550	549	547	547	547	545	543	541	545	546	545	547	547	545	546	555	580	575	567	558	556	551
0 8	553	550	551	550	550	552	551	550	548	547	546	547	546	552	552	549	548	548	556	542	561	558	556	551	551
0 9	546	546	543	543	543	541	540	541	538	538	537	539	542	545	549	565	559	572	586	579	560	555	549	547	550
10	547	546	544	536	534	533	533	539	540	539	540	539	542	550	552	558	563	576	586	571	563	563	539	546	550
11	535	494	494	526	538	543	545	548	546	546	546	541	545	544	546	548	548	559	601	593	618	561	531	542	547
0 12	537	542	549	550	550	550	550	551	551	550	549	549	550	551	554	553	551	549	551	553	564	563	553	541	550
13	534	545	553	552	550	548	547	547	547	545	551	547	547	553	561	559	554	552	553	554	562	547	533	543	549
14	548	547	547	547	547	547	547	544	543	539	542	546	547	547	555	577	591	579	561	572	617	560	564	534	556
0 15	546	552	553	552	547	516	502	521	531	542	537	556	578	568	589	743	621	578	583	604	565	540	518	522	561
16	523	413	411	488	512	528	535	544	548	549	550	548	553	561	585	635	638	618	618	584	497	524	501	431	537
17	474	491	491	512	534	546	550	551	550	554	564	574	593	584	644	648	598	593	568	570	538	493	495	518	550
18	532	541	544	552	553	548	551	557	557	554	550	566	563	555	564	594	598	638	643	516	557	550	545	548	562
19	552	555	553	553	553	551	541	525	529	539	547	556	559	564	566	581	571	562	563	566	526	523	540	537	551
0 20	512	529	544	550	552	552	549	549	549	547	549	552	551	553	559	565	568	563	556	559	550	545	539	544	549
0 21	546	549	549	539	541	541	539	537	533	548	549	549	545	546	563	602	699	709	679	579	595	557			



Dombás

APRIL 1954

Vertical Intensity, Z = 47000  $\gamma$  + Tabular Values.

HOURLY MEAN VALUES

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN		
Q 1	557	560	560	560	560	560	559	554	555	553	556	554	553	556	561	568	580	590	575	569	567	550	508	533	558	
2	541	551	557	561	559	561	561	561	557	553	557	555	560	561	581	599	586	581	567	566	551	492	411	471	550	
3	493	502	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503	503
4	501	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
5	521	529	542	546	539	538	548	552	560	562	552	553	556	560	562	563	564	566	565	565	564	563	562	562	564	553
6	522	542	552	556	561	562	562	559	559	561	557	557	562	569	571	572	572	571	566	569	568	561	562	542	560	560
7	530	544	552	556	561	562	562	559	559	561	557	557	562	569	571	573	584	592	612	562	576	571	562	553	564	564
8	536	551	557	562	567	568	568	565	565	567	566	566	563	565	563	566	571	571	572	578	511	465	482	473	551	551
9	512	522	531	535	545	553	553	553	554	553	549	547	552	565	580	593	608	605	583	589	573	570	547	538	537	565
10	553	553	557	560	567	568	568	562	562	563	557	561	559	558	562	568	583	633	603	583	573	566	543	534	565	
D11	523	533	549	558	560	563	562	560	557	553	553	554	555	557	562	572	593	599	611	487	485	408	343	293	526	
D12	224	214	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204	204
13	500	532	530	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533
14	563	554	551	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555	555
15	504	478	515	534	550	554	555	563	567	564	558	554	572	584	609	610	601	577	590	554	544	496	535	550	555	
16	555	556	561	566	566	566	569	567	571	570	566	564	564	565	568	570	571	571	575	599	576	550	545	549	566	
17	555	560	565	566	565	564	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566
18	502	512	539	551	561	564	566	565	561	562	559	559	565	563	569	582	598	616	613	562	569	571	566	560	572	
19	560	564	564	562	565	563	567	565	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566
20	551	547	556	562	569	569	549	556	560	562	562	560	570	602	596	577	586	622	600	536	566	567	543	550	563	
21	537	544	560	567	572	567	568	551	553	556	559	566	581	601	577	578	593	596	579	573	570	568	564	556	567	
22	547	541	521	518	549	556	560	562	560	563	560	560	562	566	564	566	568	567	566	566	566	566	566	566	566	566
23	525	516	524	536	549	553	553	550	553	551	553	563	557	570	577	587	597	601	587	587	587	587	587	587	587	587
24	543	550	522	513	543	557	558	563	561	561	557	554	559	567	567	571	581	578	582	582	582	582	582	582	582	582
25	488	527	547	557	558	554	558	564	566	561	557	557	562	567	567	571	575	577	577	577	577	577	577	577	577	577
26	532	536	548	548	506	522	547	554	558	558	558	554	558	568	601	598	588	575	579	587	554	546	499	418	549	
27	538	548	548	531	548	562	564	568	568	568	568	581	584	584	578	578	584	578	579	578	578	578	578	578	578	578
28	537	548	558	564	563	564	564	562	568	568	568	563	563	568	568	574	573	576	574	565	567	568	568	568	568	
29	504	521	548	560	563	561	561	562	564	564	561	561	564	568	568	572	569	568	569	572	572	572	572	572	572	572
30	569	567	569	566	553	543	539	549	552	566	579	583	585	583	579	580	574	581	581	585	583	576	565	558	568	
M	518	525	523	536	548	552	557	559	560	559	560	561	565	571	577	578	582	586	585	571	563	542	527	517	555	
MQ	523	540	553	559	561	560	561	560	560	559	556	556	559	565	567	572	576	581	581	569	567	561	548	546	560	
MD	465	458	421	473	517	536	546	553	558	557	559	560	570	577	580	581	588	598	607	550	555	496	486	465	536	

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
Q 1	559	544	553	567	569	569	569	565	559	558	559	559	562	567	567	569	572	572	572	572	569	569	569	567	565
2	549	539	543	540	543	539	536	542	545	550	556	552	555	559	565	569	569	569	569	569	569	569	569	569	569
3	545	548	553	560	567	565	564	560	560	558	557	556	561	566	569	572	579	580	620	606	583	531	450	524	563
4	558	561	568	570	570	567	562	560	554	551	555	560	566	570	578	576	569	579	580	580	577	575	572	570	570
5	550	560	566	572	572	573	570	566	560	560	567	560	566	575	578	576	569	579	580	580	577	575	572	570	569
6	554	535	539	549	556	558	562	565	567	570	564	560	566	570	571	576	575	570	569	568	568	570	570	568	563
7	569	569	570	571	571	571	570	566	561	560	556	552	555	561	568	571	571	569	568	569	570	569	569	568	566
8	561	551	547	551	556	561	563	564	561	564	553	552	561	561	565	581	616	595	621	585	566	551	535	500	561
9	478	476	486	531	536	561	567	571	571	568	568	566	568	578	599	583	572	568	567	580	586	562	552	554	564
10	572	572	569	568	567	563	562	556	555	555	555	551	558	564	569	569	572	568	567	580	586	562	552	554	564
D11	536	452	472	500	513	525	545	558	558	563	569	566	584	588	582	578	574	578	586	586	569	562	549	512	550
12	532	556	567	572	573	572	571	563	558	557	558	562	566	578	585	582	582	588	582	582	579	573	572	568	570
13	551	538	548	558	565	565	568	565	559	556	558	559	565	579	585	596	571	572	582	590	586	581	566	553	559
14	555	526	516	532	546	550	554	557	557	559	563	563	563	569	572	575	579	577	575	573	573	563	563	563	562
15	563	557	561	564	564	560	563	563	559	557	553	553	553	560	566	581	586	577	573	573	564	566	567	567	

Dombås

Vertical Intensity, Z = 47000 γ + Tabular Values.

JULY 1954

HOURLY MEAN VALUES.

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
0 1	473	494	520	548	543	536	528	536	546	550	556	556	563	569	582	584	579	572	566	560	556	559	556	556	550
0 2	558	560	561	561	561	563	560	560	554	548	550	551	553	565	567	568	570	567	570	568	570	557	556	557	551
0 3	559	559	561	560	561	563	551	549	544	542	542	541	543	551	557	562	562	557	558	560	557	557	555	555	554
0 4	557	557	557	558	558	558	554	553	552	548	546	549	554	558	556	551	552	554	555	556	553	553	554	554	554
0 5	554	553	552	548	548	547	547	542	539	534	535	544	541	547	557	565	567	573	574	573	565	562	558	557	553
6	546	535	538	538	538	548	533	538	545	547	551	548	547	552	555	559	561	566	562	572	568	564	546	542	549
7	525	508	526	547	557	558	558	554	549	549	551	558	562	561	563	561	562	561	559	561	559	564	546	542	549
8	558	557	555	555	557	561	561	558	557	552	552	561	557	555	557	561	561	561	571	578	568	566	555	557	553
9	549	556	555	550	552	559	559	557	552	550	546	546	549	557	558	558	557	554	552	554	557	559	553	552	554
10	552	555	555	550	555	558	552	549	553	550	552	550	551	555	558	561	568	564	558	557	555	555	554	548	555
11	531	536	547	550	550	550	552	552	550	541	537	536	541	549	551	553	555	552	554	552	553	555	553	548	548
12	532	526	539	547	548	548	547	542	546	549	542	538	537	538	548	552	550	550	554	552	553	555	553	548	548
13	510	541	533	556	555	553	555	560	559	552	548	540	543	553	552	554	550	550	558	570	564	556	551	463	550
14	537	530	537	521	507	524	533	541	542	540	542	540	551	552	558	574	600	587	570	567	560	550	555	463	553
15	549	552	554	552	550	550	548	549	550	548	552	554	563	583	596	589	573	564	559	559	558	558	557	553	559
16	555	557	557	559	558	556	555	553	554	554	545	541	552	561	559	556	564	566	561	563	577	550	554	557	557
17	559	562	557	559	517	525	542	545	546	541	545	541	552	556	558	561	561	561	561	561	561	554	552	531	550
18	421	481	519	504	516	535	547	552	549	539	538	539	555	546	552	553	561	567	568	561	560	557	546	527	537
19	525	518	535	549	555	559	556	553	549	549	546	550	555	555	555	561	562	562	562	562	562	568	558	555	554
20	541	532	551	556	558	559	549	549	548	552	552	552	552	555	559	562	562	562	562	562	562	559	553	552	554
21	550	553	553	556	558	555	554	555	553	554	552	550	552	562	572	582	580	568	566	560	560	561	550	540	558
22	551	558	557	557	559	557	556	555	555	555	555	553	552	553	557	560	561	563	561	562	560	559	556	556	557
23	556	556	557	559	559	557	556	555	555	555	555	553	552	552	553	553	554	556	556	559	562	560	555	553	555
24	540	493	523	539	545	540	529	536	543	543	545	547	545	544	553	556	561	563	569	573	566	559	559	559	547
0 25	557	554	549	540	542	540	542	549	547	546	551	560	576	590	584	574	570	564	563	563	562	557	559	541	557
26	534	533	543	553	556	558	557	554	547	546	549	556	568	574	574	571	567	562	564	564	562	556	547	549	556
0 27	554	543	545	548	550	542	550	551	546	546	549	556	562	574	580	580	579	572	560	547	551	554	508	488	547
0 28	513	539	545	545	548	548	553	555	545	542	548	563	584	591	582	605	635	628	585	567	562	542	515	515	557
29	525	505	519	544	555	554	555	553	551	557	558	563	573	581	582	575	575	575	567	564	562	561	562	558	557
30	538	512	523	542	552	553	555	553	555	555	545	547	561	568	574	575	570	565	558	556	557	558	555	539	552
31	526	525	533	538	548	553	550	554	556	555	549	546	552	574	580	578	572	563	562	564	560	553	543	529	553
M	537	537	544	546	548	549	549	550	549	548	547	550	554	561	565	567	570	567	564	563	561	557	551	543	553
MQ	555	557	558	557	557	558	555	554	551	549	547	547	550	557	559	560	562	559	559	559	558	556	554	553	556
MD	527	532	534	532	531	332	538	544	545	545	550	557	567	575	577	583	593	585	569	560	559	551	538	528	552

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	MEAN		
1	541	545	549	553	555	556	556	546	543	550	553	556	571	586	588	586	582	576	576	579	566	559	556	553	562	
2	557	558	546	517	509	532	547	556	558	568	557	557	577	560	568	577	583	578	584	577	569	564	557	544	557	
3	541	547	554	558	560	559	560	555	551	548	548	551	557	568	578	582	587	562	562	558	557	562	559	553	555	
4	550	550	550	553	558	558	555	553	548	548	548	548	557	568	578	582	587	562	562	558	557	562	559	553	560	
5	550	558	555	548	548	548	548	554	553	551	551	554	554	560	568	566	564	570	581	588	578	555	558	522	558	
6	510	514	513	504	505	526	541	542	549	551	554	558	572	586	583	583	582	585	589	579	577	504	535	533	549	
7	505	529	550	559	561	562	563	565	565	561	563	568	585	589	609	619	589	582	581	557	536	549	556	547	564	
8	549	544	549	550	556	562	562	558	559	557	558	563	585	589	609	619	589	582	562	561	560	559	559	558	560	
9	556	558	551	550	550	550	552	551	547	548	549	548	557	562	565	565	566	566	562	561	560	559	557	558	560	
10	495	540	550	548	552	552	553	555	557	557	548	548	557	563	570	565	563	566	563	560	555	547	534	494	554	
11	523	518	506	515	521	537	544	549	553	552	548	555	560	560	560	560	564	569	566	562	561	557	557	557	548	
12	548	520	521	536	542	557	551	554	560	558	549	556	551	558	571	574	571	569	564	562	558	556	553	553	553	
13	551	558	561	566	571	574	550	555	560	560	559	557	545	545	554	558	571	573	561	561	554	555	553	546	554	
14	504	487	521	558	551	552	550	555	550	547	545	545	553	565	564	567	571	562	569	571	558	548	533	515	548	
15	506	533	547	550	549	549	549	550	551	547	545	545	548	552	555	563	577	574	568	591	554	549	518	476	548	
16	522	545	555	559	557	557	555	553	554	555	558	575	572	598	609	605	599	585	578	568	564	548	548	547	536	565
17	545	534	560	561	557	552	549	552	555	554	552	548	550	556	563	570	575	579	576	563	560	560	553	548	558	
18	547	547	547	553	553	553	550	550	550	550	550	550	550	570	585	574	573	567	561	560	553	542	533	527	554	
19	516	506	501	501	501	501	503	503	503	500	544	544	550	555	563	567	576	569	575	563	553	553	550	523	551	
20	499	522	538	546	546	547	549	548	547	543	543	546	552	560	570	581	605	585	567	560	556	556	556	555	553	
21	556	554	554	549	537	538	534	538	547	552	564	564	566	562	565	563	564	564	566	561	562	556	553	554	555	
22																										

Dombås

Vertical Intensity. Z = 47000  $\gamma$  + Tabular Values.

OCTOBER 1954

HOURLY MEAN VALUES.

GMT

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	MEAN	
D 1	466	461	421	416	446	479	511	544	562	566	568	579	574	581	579	603	638	606	616	603	581	514	537	555	542
D 2	561	543	540	542	542	553	561	564	565	566	567	567	566	569	569	569	570	569	570	573	569	512	462	407	549
D 3	454	367	422	465	481	505	533	553	559	560	562	561	563	573	562	649	632	639	639	592	577	362	372	224	519
D 4	518	511	518	513	521	521	532	535	539	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540
D 5	545	553	557	557	560	564	567	566	568	568	568	566	565	566	570	573	586	585	574	572	509	519	546	523	560
6	544	561	561	560	551	551	547	554	560	569	574	581	585	641	626	684	684	609	584	594	587	575	555	558	583
7	561	557	561	563	563	564	566	569	568	567	566	572	579	583	604	599	602	607	584	550	579	569	559	544	574
8	535	542	551	556	563	563	565	569	568	567	566	566	578	598	606	613	591	588	595	574	572	563	525	485	567
9	518	543	553	553	553	560	562	562	567	566	565	565	565	565	565	566	566	565	566	566	566	566	563	562	561
Q 10	558	545	557	557	553	553	549	554	566	558	565	565	555	558	562	566	567	567	570	573	564	563	561	558	558
11	553	553	553	550	550	550	552	556	560	561	558	563	564	567	569	571	570	570	567	568	567	566	566	565	561
112	565	565	565	564	563	563	564	565	565	560	558	563	564	565	565	562	563	563	563	563	563	562	563	563	563
Q 13	564	564	564	564	564	564	565	566	565	561	557	558	560	566	570	570	567	567	567	571	567	563	562	545	564
14	535	547	552	553	557	558	560	563	562	562	564	561	564	572	576	578	579	585	597	581	557	544	554	552	563
Q 15	551	557	560	563	563	563	563	561	565	565	564	568	568	565	565	566	564	565	565	565	565	564	562	558	563
16	549	551	558	559	559	561	562	562	562	555	554	557	560	565	575	615	598	611	608	581	576	566	552	552	569
17	553	555	549	550	546	549	556	563	562	562	566	566	569	570	566	569	572	569	572	573	573	549	504	469	556
D 18	517	473	463	458	492	511	523	533	556	566	564	589	585	612	706	667	644	599	576	568	563	563	549	509	558
19	532	554	557	550	552	559	565	565	570	575	576	600	613	593	600	636	614	617	570	580	574	567	547	532	575
20	521	510	527	543	550	558	559	564	570	575	585	593	620	613	592	589	592	594	593	590	578	559	524	526	568
21	531	540	551	560	562	563	564	565	565	566	570	572	575	574	577	579	580	580	578	564	559	565	565	565	565
22	565	565	564	564	564	562	563	561	563	565	565	566	566	571	574	572	574	631	638	594	595	561	496	461	567
Q 23	492	529	542	554	559	569	573	574	564	567	575	590	595	605	573	642	652	615	622	577	539	462	477	322	567
24	272	297	347	402	359	397	462	532	538	564	582	629	621	774	644	665	687	635	687	652	512	502	536	547	530
25	483	448	373	408	487	513	566	572	581	595	604	611	623	615	626	616	585	587	584	572	573	573	568	555	555
26	542	553	563	563	572	565	567	567	570	569	569	568	576	582	579	593	612	616	648	589	581	558	553	559	575
27	566	570	570	570	572	576	577	578	571	569	590	584	577	574	576	664	605	582	581	581	578	572	568	564	582
28	555	551	553	553	559	567	568	574	577	576	576	576	576	581	579	579	578	569	571	570	569	564	560	563	569
29	568	568	568	567	565	565	565	567	568	571	568	575	576	574	579	569	568	567	566	566	566	566	566	566	566
30	510	499	485	455	473	521	552	565	567	564	564	567	569	582	589	595	584	579	582	585	555	526	535	540	548
31	543	550	557	562	566	562	566	567	569	569	570	567	576	596	606	636	663	694	656	630	571	486	516	547	580
M	517	516	522	531	537	546	555	562	564	567	569	574	577	584	590	602	600	594	592	581	566	543	537	519	560
MQ	551	557	560	558	555	557	561	562	562	562	560	561	562	563	565	566	565	565	566	568	565	564	562	557	561
MD	440	425	439	459	467	492	520	547	556	565	570	590	588	609	626	645	651	619	624	592	554	481	494	432	541

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	MEAN	
D 1	554	557	554	546	542	552	561	564	565	570	574	578	583	594	636	672	629	629	686	594	506	558	549	486	577
D 2	417	387	452	507	519	521	550	561	564	567	568	571	592	642	637	592	581	597	595	557	550	535	515	482	544
D 3	467	486	527	537	533	546	551	563	582	577	573	574	578	594	597	624	590	588	589	580	554	555	558	559	562
D 4	558	558	564	567	567	568	569	571	572	573	580	582	576	575	575	577	586	575	575	572	570	568	567	551	571
D 5	525	528	529	533	542	553	560	563	568	575	572	575	581	578	578	579	577	577	586	581	571	568	567	562	564
6	546	543	548	549	552	555	559	564	569	571	570	571	576	586	591	585	591	608	596	576	573	561	548	536	568
7	537	547	559	564	563	566	567	572	572	571	568	568	572	573	573	585	573	571	572	573	571	561	567	556	577
8	563	559	555	560	564	564	564	567	570	567	564	566	570	574	576	579	589	596	613	604	570	562	568	567	572
9	567	566	564	563	561	564	563	564	564	562	561	561	564	566	566	568	573	575	571	571	583	572	567	564	561
Q 10	557	548	554	558	560	561	563	565	565	565	564	562	565	567	567	569	570	570	570	568	569	568	565	562	564
11	562	563	563	561	560	561	561	561	564	564	564	564	570	575	575	578	588	591	601	575	573	567	565	565	570
12	565	552	562	561	559	556	561	563	566	562	564	563	566	576	573	579	588	591	582	595	591	586	575	567	570
13	563	559	562	566	568	567	566	566	566	562	562	562	566	576	573	579	588	591	582	571	570	569	564	560	571
14	538	548	553	560	560	562	563	562	563	564	563	564	565	570	572	577	590	600	608	605	591	576	560	557	568
Q 15	543	538	564	565	566	567	566	567	566																









