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FOR THE YEAR 1917.

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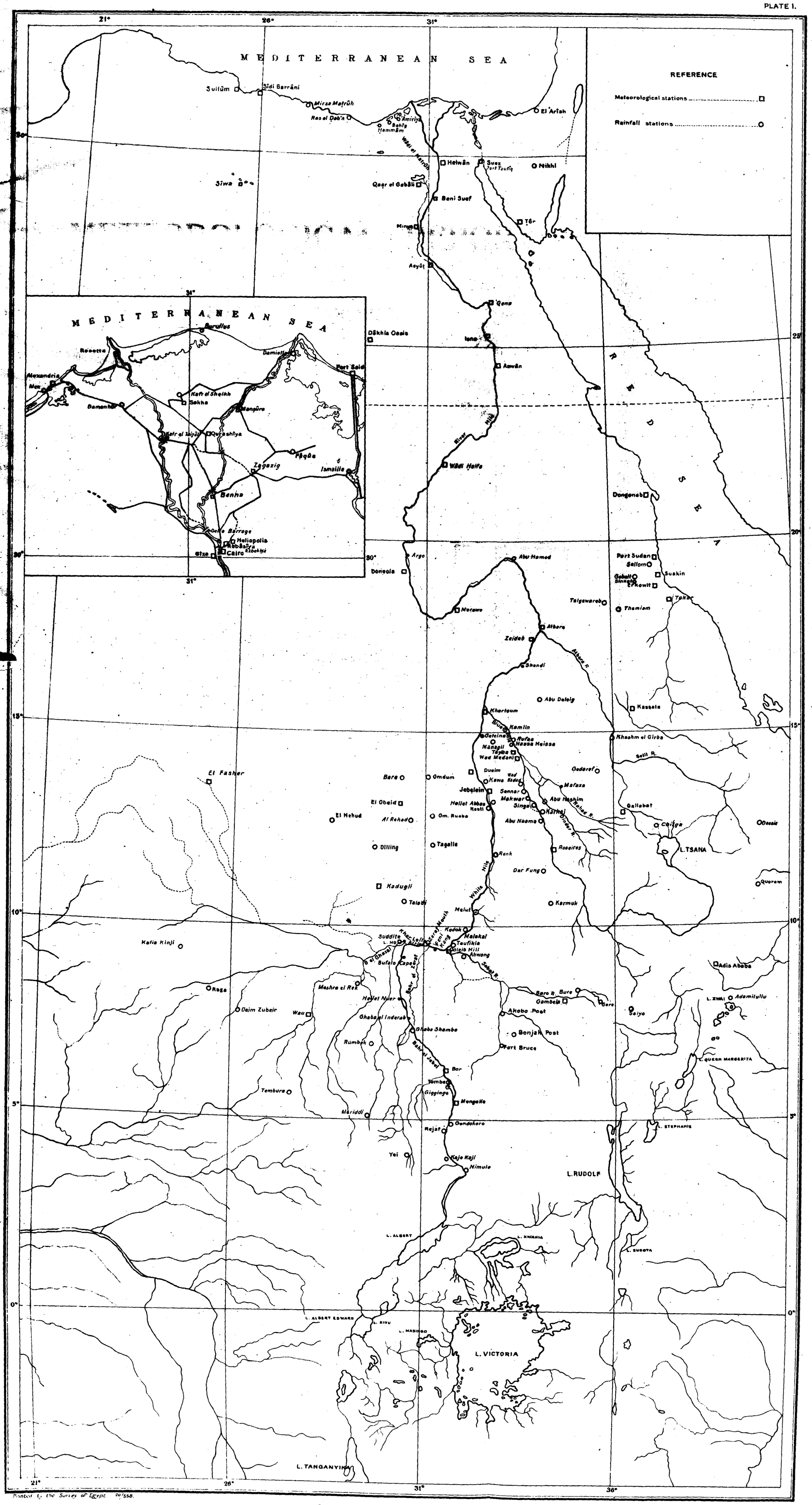
MAP SHOWING METEOROLOGICAL AND RAINFALL STATIONS

PLATE I.



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CONTENTS

	PAGE.
INTRODUCTION AND EXPLANATION OF THE TABLES.	v
THE WEATHER OF EGYPT DURING 1917	IX
DIFFERENCES FROM NORMAL BY DISTRICTS ...	X

Helwân Observatory:—

Standard Pressure	3
Temperature	6
Relative Humidity	9
Vapour Pressure...	11
Wind Velocity and Direction	13
Clouds	16
Actinometric Observations	19
Duration of Sunshine	20
Rainfall	21
Evaporation...	22
Miscellaneous Phenomena	23
Climatological Factors	24
Terrestrial Magnetism	25

Monthly Bulletins:—

Alexandria (Kom el Nadûra)	34
Khartoum (Gordon College)	40

Monthly Summaries:—

Candia and Damietta...	48-49
Port Said and Alexandria (Kom el Nadûra)	50-51
Sakha and Mansûra	52-53
Qurashiya and Zagazig	54-55
Benha and Heliopolis...	56-57
Abbâsiya and Cairo (Ezbekiya)	58-59

PAGE.

Monthly Summaries (*continued*):—

Giza and Suez	60-61
Helwân and Qasr el Gebali	62-63
Beni Suef and Tor	64-65
Minya and Asyût	66-67
Qena and Aswân	68-69
Wadi Halfa and Dongonab	70-71
Port Sudan and Dongola...	72-73
Suakin and Gebeit	74-75
Erkowit and Merowe	76-77
Tokar and Atbara	78-79
Zeidab and Khartoum (Research Farm) ...	80-81
Khartoum (Gordon College) and Kassala ...	82-83
Tayiba and Wad Medani	84-85
Dueim and El Obeid	86-87
Singa and Gallabat	88-89
Roseires and Kadugli	90-91
Malakal and Doleib Hill...	92-93
Kafia Kingi and Gambela	94-95
Wau and Mongalla	96-97
Harrar	98

Yearly Summary 100-101

Duration of Sunshine:—

Alexandria and Port Said	102
Qurashiya, and Khartoum	103

Rainfall Tables for Stations in:—

Lower Egypt	106-107
The Sudan	108-117
Abyssinia	118

Meteorological Report for the Year 1917.

ERRATA.

Page 63.—**Helwan.**

CLOUDS:—

March, 8h. ... ... for "4·2" read "3.5."
" Mean... ... ... for "3·8" read "3·5."
Year, 8h. ... ... for "2·7" read "2·6."

EVAPORATION:—

September ... ... for "6·-7" read "6·67."

Page 101.—**Helwan.**

CLOUDS, 8h. ... ... for "2·7" read "2·6."

INTRODUCTION AND EXPLANATION OF THE TABLES 1917.

The procedure adopted in the 1915 and 1916 Annual Reports of omitting for the sake of economy a considerable amount of detailed information, namely the bulletins of second and third order stations. except those of Alexandria and Khartoum, is followed in this report. Although not printed the full observations from each station are available for anyone who wishes to consult them, and copies will be sent to anyone desirous of investigating any point more fully than can be done from the data here published.

PART I. HELWAN OBSERVATORY.

The first part of the report contains the observations made under the supervision of Mr. H. Knox-Shaw at Helwân Observatory, which is the first order station for Egypt. They are presented in the same manner as in former years.

The instruments used at the Observatory for recording the various meteorological elements have been as follows :—

PRESSURE.—A Sprüng-Fuess barograph standardised by comparison with a Fuess station barometer which has itself been compared with a normal barometer. A Richard large scale aneroid barograph has been used on the few occasions of failure of the Sprüng-Fuess.

TEMPERATURE AND HUMIDITY.—Callendar recorders with open-wound platinum thermometers standardised by comparison with mercury thermometers ; as auxiliary recorders Richard thermograph and hygrograph.

WIND.—A Kew pattern 9-inch cup anemograph, the height of the cups being twenty metres above ground level. The factor 2·2 is used in the reduction.

DURATION OF SUNSHINE.—A Campbell-Stokes Sunshine recorder. As is usual with these instruments, even on a perfectly clear day there is a considerable interval both after sunrise and before sunset when the sun's rays are not powerful enough to burn the card. The recorded percentage of possible hours of sunshine is thus always less than the actual.

EVAPORATION.—A Wild evaporimeter in a double-louvred screen. Experiments have been made (*see* "Evaporation in Egypt and the Sudan," Survey Department Paper No. 15, by B.F.E. Keeling) connecting such measures of evaporation with the evaporation from open surfaces of water under various conditions.

EXPOSURE OF INSTRUMENTS.—The standard instruments are exposed in double-louvred screens of the Egyptian pattern, similar to those used in the second and third order stations in Egypt, except that the latter are rather smaller and in most cases single-louvred. Comparisons made in the past have shown that the temperatures recorded in these screens agree very closely with those given by the Assmann ventilated psychrometer, and further comparisons are being carried out.

TERRESTRIAL MAGNETISM.—A set of Watson magnetographs standardised by absolute observations with an Elliott magnetometer and a Dover dip circle. Several comparisons have been made between the Helwân standard, as determined by these two instruments, and those of Kew and the Carnegie Institution of Washington. For an account of these *see* "Magnetic Survey of Egypt and the Sudan," Survey Department Paper No. 33, by H.E. Hurst.

ATMOSPHERIC ELECTRICITY.—Observations were discontinued from the beginning of 1915. The electrograph had been running for eight years.

GENERAL.—Those mean-for-the-day values of Temperature, Relative Humidity and Vapour Pressure which are marked with an asterisk are taken from eye readings (second order means) with systematic corrections applied to reduce them to first order means.

All the times in this part of the report are Helwân local time, which is two hours and five minutes fast on Greenwich mean time.

Normal values for Helwân Observatory will be found in the Annual Meteorological Report for 1910, Part I. New normals, based on observations extending over 17 years, will be published shortly.

PART II. SECOND AND THIRD ORDER AND RAINFALL STATIONS.

The observations contained in this part of the report were taken under the supervision of Mr. H. Knox-Shaw in the place of Mr. H.E. Hurst who was engaged in work connected with the war.

MONTHLY BULLETINS in the form agreed on by the International Meteorological Committee in 1879 are given for Alexandria and Khartoum, the observations taken at the other stations being published in the form of *Monthly Summaries* only. A *Yearly Summary* is also given including observations from the Cyprus stations, which by arrangement with the British Meteorological Office are reduced in this office for publication in the Cyprus blue-book. The report also contains tables of the duration of sunshine for those stations equipped with sunshine recorders, and *Rainfall Tables* for a number of stations in Lower Egypt, the Sudan and Abyssinia.

The stations for which monthly Summaries are published are given in the following table, and their positions are shown on the maps printed as a frontispiece :—

STATIONS.	Order of Station.	Year of Commencement.	Latitude.		Longitude.		Altitude.	OBSERVATIONS MADE OR SUPPLIED BY
			°	′	°	′	m.	
Candia	II	1908	35	20	25	8	27·1	Prof. N. Nysterakis.
Damietta	III	1907	31	25	31	49	2·2	M. Félix Radisse, Directeur du Service des Eaux.
Port Said	II	1886	31	16	32	19	3·5	Port Officer.
Alexandria (Kôm el Nadûra) ...	II	1871	31	12	29	53	32	Officer of Ports and Lighthouses Administration.
Sakha	III	1907	31	7	30	57	6	Engineer, Domains Administration.
Mansûra	III	1914	31	3	31	23	7	Headmaster, Farm School.
Qurashiya	II	1907	30	51	31	7	7·6	Engineer, Domains Administration.
Zagazig	II	1913	30	35	31	30	11·2	L'Ingénieur en chef de la Municipalité.
Benha	III	1912	30	28	31	11	13·5	Messrs. E. Mallison and Co.
Heliopolis	III	1908	30	6	31	19	41	Clerk of the Heliopolis Oasis Co., Ltd.
Abbasiya	II	1867	30	5	31	17	29·9	Physical Department Staff.
Cairo (Ezbekiya)	III	1909	30	3	31	15	22	Physical Department Staff.
Giza	II	1902	30	2	31	13	27·8	Survey Department Staff.
Suez	II	1886	29	56	32	33	3·4	Official, Suez Canal Company.
Helwân	I	1904	29	52	31	20	115·6	Observatory Staff.
Qasr el Gebali	II	1907	29	20	30	38	7·6	Engineer, Domains Administration.
Beni Suef...	III	1901	29	4	31	6	28·4	Irrigation Department Staff.
Tôr	II	1905	28	14	33	37	1·9	Official, Quarantine Station.
Minya	III	1907	28	6	30	46	43	Mudiriya Staff.
Asyût	II	1900	27	11	31	13	55·4	Asyût Barrage Staff.
Qena	III	1913	26	10	32	43	73	Qena Mudiriya Staff.
Aswân	II	1900	24	2	32	53	99·6	Aswân Reservoir Staff.
Wadi Halfa	II	1900	21	55	31	19	128·3	Medical Officer, Egyptian Army.
Dongonab	III	1908	21	6	37	8	5	Clerk of the Marine Biologist.
Port Sudan	II	1905	19	37	37	13	5·5	Civil Medical Officer.
Dongola	III	1911	19	8	30	28	236	Medical Officer, Civil Hospital.
Suakin	III	1900	19	7	37	20	4·5	Medical Officer, Egyptian Army.
Gebeit	III	1916	18	56	36	51	800	General Manager, Sudan Government Railways, Atbara.
Erkowit	III	1908	18	50	37	6	1093·5	Mamur of Erkowit.
Merowe	II	1905	18	29	31	50	255·1	Medical Officer, Egyptian Army.
Tokar	III	1913	18	25	37	40	18	Supt. of Agriculture, Red Sea Province.
Atbara	II	1902	17	40	33	58	354·5	Medical Officer, Egyptian Army.
Zeidab	III	1913	17	23	33	55	365	Manager of Sudan Plantations Syndicate.
Khartoum (Research Farm) ...	III	1913	15	40	32	34	390	The Principal, Central Research Farm, Khartoum North.
Khartoum (Gordon College) ...	I	1908	15	37	32	33	390	Gordon College Staff.
Kassala	II	1900	15	28	36	24	507·8	Medical Officer, Egyptian Army.
Tayiba	III	1913	14	29	33	23	410	Inspector, Gezira Agricultural Station
Wad Medani	II	1900	14	24	33	31	407·6	Medical Officer, Egyptian Army.
Dueim	II	1902	14	0	32	20	383·3	Civil Medical Officer.
El Obeid	II	1901	13	11	30	14	568·9	Medical Officer, Egyptian Army.
Singa	III	1912	13	9	33	57	436·3	Agriculture and Forests Department Staff.
Gallabat	II	1905	12	48	36	10	762·5	Medical Officer, Egyptian Army.
Roseires	II	1904	11	51	34	23	466·9	" " " "
Kadugli	III	1910	11	2	29	45	503	Mamûr and Clerk of Markaz.
Malakal	II	1915	9	35	31	37	393·6	Medical Officer, Egyptian Army.
Doleib Hill	III	1903	9	18	31	38	† 391	American Mission Staff.
Kafia Kingi	III	1910	9	17	24	30	596	Mamûr of Kafia Kingi.
Gambela	III	1908	8	15	34	35	410	Supt., Gambela Customs.
Wau	II	1902	7	42	28	3	* 440	Medical Officer, Egyptian Army.
Mongalla	II	1903	5	11	31	47	† 439	" " "
Harrar	III	1908	9	42	42	30	1856	J. Gerolimato, Esq., C.M.G.

The altitudes given are those of the station barometer found in most cases by levelling.

* Barometric altitude.

† Altitude from spirit levelling with extrapolation for short distances by the slope of the river.

The following **symbols and conventions** have been employed :—

φ = latitude, in all cases N.
λ = longitude, in all cases E. of Greenwich.
H = height of the barometer cistern above mean sea-level.
h = approximate height of the station above mean sea-level, used almost exclusively for rainfall stations.
h_t = height of the thermometers above ground.
h_r = height of the rim of the rain-gauge above ground.
C_h = mean reduction of the barometric reading to sea-level, for the month.
● = rain.
✱ = snow.
▲ = hail.
= gale.
< = lightning (without thunder).
⊤ = thunder (without lightning).
= thunderstorm (thunder and lightning together).
= fog.
∞ = dust haze.
= dust storm.
= dew.
= hoar frost.
= rainbow.
V = unusual transparency of the atmosphere.
⊕ = solar halo.
= solar corona.
= lunar halo.
= lunar corona.

Intensity is expressed by attaching exponents 0 or 2 to the symbols.

For the designation of time in the remarks :—

m = morning, from 0^h to 8^h.
a = morning, between the first and second daily observations, *i.e.*, from 8^h to 14^h.
p = afternoon, between the second and third daily observations, *i.e.*, from 14^h to 20^h.
n = night, from 20^h to 24^h.

Figures based on incomplete information have been printed in italics. The extreme readings are indicated by **heavy type.**

The **observations** are taken at 8^h, 14^h and 20^h Egyptian standard time, which is two hours fast on Greenwich mean time. The maximum temperature is read at 20^h at second order stations ; at third order stations it is read at 8^h and entered as for the previous day. The minimum temperature is read at 8^h and entered as for the same day. The rainfall and the evaporation are recorded at 8^h and entered as for the previous day. All observations have been corrected for instrumental errors.

As in 1916 it was practically impossible to carry out any inspectional work owing to the depletion in staff due to the war.

The **diurnal means** are derived from the observations as follows :—

At Stations observing	Temperature.	Relative Humidity.	Pressure, Vapour Pressure, Cloudiness, and Wind Force.
Thrice daily.	$(8^h + 14^h + 20^h + \text{min.})/4$	$(8^h + 20^h)/2$	$(8^h + 14^h + 20^h)/3$
Twice "	$(8^h + 20^h)/2$	"	$(8^h + 20^h)/2$
Once "	(Max. + Min.)/2	8^h	—

The corrections to the means so derived to reduce them to true daily means have been published as follows :—for Abbâsîya in the Introduction to the Annual Meteorological Report for 1905, Part II, for Helwân in that of the Report for 1910, Part I, and for Khartoum in that of the Report for 1911, Part II.

Normal values for the various stations will be found in the Annual Meteorological Report for 1907, Part II. In many cases these are based on only a very few years of observation. It is intended to publish shortly values based on more extended series of observations.

PRESSURE.—The barometric readings have been reduced to 0°C and mean gravity, *i.e.* the published figures are standard pressure, as in Part I of this report. The mean reduction to mean sea-level for the month or for the year is given at the top of the tables for the various stations.

HUMIDITY.—In computing humidities, Jelinek's Psychrometertafeln (Leipzig 1911) have been used, but no correction for wind velocity has been applied. It is not uncommon, especially in the Sudan, for the relative humidities obtained to fall below 10 or even 5 per cent, on which occasions an extension of the tables based on the same formula is employed. It has even happened on various occasions that the value of the relative humidity deduced from the formula which was used in constructing Jelinek's tables and corrected for wind force, has been negative. In these cases the value has been taken as zero. In this connection it may be mentioned that a Report on Psychrometer Formulæ based on observations in Egypt aud the Sudan, by Mr. E.B.H. Wade, has been published as Physical Department Paper No. 2.

WIND.—The wind force is given throughout the report in terms of numbers on the Beaufort Scale irrespective of whether the wind has been estimated or measured by an anemometer, except in the monthly bulletins of Helwân and Alexandria where the actual velocity is given. Where the wind force is estimated, the values in many cases appear to be higher than may be expected on comparison with the values for stations similarly situated, where the force is obtained by conversion of anemometer readings. There is probably a general tendency on the part of observers to over-estimate wind force, and of anemometers to record too low, chiefly owing to the difficulty of obtaining good exposures for them. The following table gives the adopted conversion from this scale to kilometres per hour and miles per hour :—

Scale 0-10.	Kilometres per hour.	Miles per hour.
0	0- 2	0- 1
1	2- 7	1- 4
2	7-14	4- 9
3	14-21	9-13
4	21-29	13-18
5	29-38	18-24
6	38-47	24-29
7	47-57	29-35
8	57-69	35-43
9	69-82	43-51
10	82-96	51-60

At the following stations the wind recorded is that measured by anemometers, which, except for Alexandria, were of the Robinson Cup pattern. At the other stations the wind was estimated.

List of Stations equipped with anemometers during 1917.

Candia	Qurashîya	Helwân	Wadi Halfa	Malakal
Alexandria	Gîza	Tor	Dongonab	Mongalla.

The observations at Alexandria are from a Dines Pressure Tube anemometer which is known to have been recording too low.

EVAPORATION.—The evaporation is measured in a screen with either a Wild or a Piche evaporimeter. The particular instrument employed is mentioned in the case of each station. The figures given are those actually measured by the instrument at the station. The factors to convert from one instrument to the other and to the evaporation from a surface of open water depend on the particular type of screen in use.

An account of some experiments on this point is given in "Evaporation in Egypt and the Sudan," by B.F.E. Keeling, Survey Department Paper No. 15 (1909). Further experiments are being carried out, as evaporation is a very important element in Egypt. An approximate factor for conversion from evaporation measured with a Wild evaporimeter to that measured with a Piche is 1.4.

SUNSHINE.—The duration of sunshine was measured at Alexandria, Port Said, Qurashîya and Khartoum by means of Campbell-Stokes sunshine recorders and the results are given in separate tables.

EXPOSURE OF INSTRUMENTS.—The thermometers and evaporimeters are exposed in louvred screens, full descriptions of which are given in "Instructions for Meteorological Observers in Egypt and the Sudan." The type in use in Egypt is louvred on three sides but open to the north except for wire gauze; in the Sudan type there are louvres on all four sides. The type in use at most of the Egyptian stations differs from the standard screen at Helwân Observatory in being slightly smaller and in being single-louvred instead of double-louvred. A few of the Egyptian stations have double-louvred screens. Comparisons in the past with an Assmann ventilated psychrometer have shown that the temperatures in all these screens differ but very slightly from those given by the psychrometer. The type of screen seems however to have a larger effect on the evaporation recorded and further experiments are being carried out to determine how large this is.

E.W. BLISS,
Acting Director, Meteorological Service.

November, 1921.

THE WEATHER OF EGYPT DURING 1917.

JANUARY.—For the first week there was unsettled weather with heavy rain, caused by the presence of a depression which remained stationary over the eastern Mediterranean; the temperature during this period was about normal. The rest of the month was of a more settled character, as most depressions which appeared in the Mediterranean did not approach near enough to have much effect on the weather of Egypt. During this period the temperature was considerably above normal. The rain which fell during the first week was much in excess of the normal for the whole month. Pressure was well below normal.

FEBRUARY.—The hot weather of January continued during the first ten days of this month; for the remainder of the month the temperature was about normal, The passage of depressions caused some disturbances in the weather, especially on the 11th, when lightning, strong winds, and heavy rain occurred. The weather during the month, however, was more settled than is usually the case. Temperature, rainfall and humidity were all above normal, while the pressure was below normal.

MARCH.—The temperature during March was almost continuously above normal; there were four very hot days. On the 28th a maximum temperature of 38·5°C was recorded at Helwân. This is 14° above normal and the highest reading observed during March since 1904. The effect of depressions on Egypt was otherwise not much marked. Rainfall and pressure were above normal on the coast, and slightly below inland.

APRIL.—As in the first three months of the year the temperature was much above normal. On the 24th and 25th, when Egypt was under the influence of a depression, temperatures were extremely high, reaching 43°C in Cairo and 44°C at Helwân, being 14° and 15° respectively above normal, and the highest on record. After the passage of this depression there was a great and rapid change in the weather, and by 28th the temperature had fallen to 6° below normal. The rainfall was practically negligible. Pressure was above normal.

MAY.—This month produced a break in the abnormally hot weather which had prevailed since the beginning of the year. Conditions were mainly anticyclonic with pressure above normal, while for nearly the whole of the month the temperature was exceptionally low. A small but deep depression visited Egypt on the 19th, arriving from the southwest, not from the Mediterranean as usual. It gave rise to a violent dust storm. For the month temperature and humidity were both below normal; pressure was above normal; there was no rain.

JUNE.—For the first half of the month the pressure was high and the weather cool. There was a period of very hot weather for three days in the middle of the month, the temperature in Cairo on the 16th reaching 43°C. Subsequently the weather was about normal. The month was of a settled character; pressure was on the whole above normal, and temperature below. The humidity was well above normal.

JULY.—The pressure was slightly below normal. For the first half of the month the weather was cool; the next week was warmer than usual, but no exceptionally hot days were experienced, and the weather was settled throughout. For the month the temperature was below normal and the humidity above normal.

AUGUST.—The weather of the month was of the usual settled nature. The temperature was a little above the normal, especially during the nights, except for the first week. The pressure was below normal and the humidity above.

SEPTEMBER.—During the first fortnight the temperature was above normal, while for the second fortnight it was below. On the whole month it was below normal, Settled weather persisted during the month. Pressure and humidity were both slightly below normal.

OCTOBER.—The temperature was below normal and the pressure above throughout the month, and the weather settled, except for the last week, when the passage of a depression along the Mediterranean caused strong winds and light rain in the Delta, and brought higher temperatures. For the month pressure was above normal, temperature below, and humidity about normal.

NOVEMBER.—For the first three weeks the temperature was continuously well above normal and several hot days were experienced. Subsequently the temperature was below normal. For practically three quarters of the month Egypt was affected to some extent by depressions over the Central or Eastern Mediterranean, and to these the higher temperatures were due. The temperature for the whole month was distinctly above normal; the pressure was about normal. The humidity was slightly above normal but the rainfall was below.

DECEMBER.—At the beginning and end of the month the temperature was above normal, but in the middle of the month a very cold spell was experienced, the temperature in Cairo and Minya falling to 2°C. The weather was much disturbed by depressions crossing the Mediterranean and bringing heavy showers of rain. Temperature, pressure and humidity were all below normal. The rainfall was normal on the coast and slightly in excess inland.

THE YEAR.—The barometric pressure on the Mediterranean coast was above normal for the period of five months, March to July, and was above normal for the year as a whole. Throughout the remainder of Egypt and the Sudan the pressure for the year was below normal. In Upper Egypt and North Sudan the pressure for the first four months of the year was continuously below normal: in Central Sudan it was below normal throughout the year, and in South Sudan it was above normal until May and below normal for the rest of the year. Throughout Egypt the mean temperature until the end of April was above normal. For the whole year there was very little departure from the normal in Egypt and the Sudan, except in Central Sudan where the temperature was below normal throughout the year, except in July. The rainfall was above normal in Egypt, below normal in North and Central Sudan and in the Red Sea area, and above normal in South Sudan.

Differences from Normal by Districts.

1917.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	PRESSURE IN MILLIMETRES (8h).												
1. Mediterranean Coast ...	−1·75	−0·05	+0·55	+1·15	+1·00	+0·80	+0·05	−0·35	0·00	+0·90	+0·75	−0·25	+0·23
2. Middle Egypt ...	−2·63	−0·90	−0·60	+0·30	+0·50	+0·33	−0·80	−0·87	−0·60	+0·40	−0·27	−1·20	−0·53
3. Upper Egypt...	−1·53	−1·17	−0·67	−0·67	+0·67	0·00	−0·97	−0·83	−0·37	+0·70	−1·13	−1·07	−0·59
4. North Sudan...	−0·42	−0·82	−1·32	−0·68	+0·35	−0·25	−1·82	−0·65	+0·08	+0·08	−0·72	−1·22	−0·62
5. Red Sea ...	−0·80	−0·40	−0·50	−0·60	0·00	−0·60	−2·10	−0·60	−1·00	0·00	+0·60	−1·00	−0·58
6. Central Sudan ...	−0·90	−0·90	−1·50	−0·40	0·00	−0·77	−1·97	−1·23	−0·60	−0·57	−0·90	−1·53	−0·94
7. South Sudan ...	+0·37	+0·13	+0·10	+0·87	+0·50	−0·23	−0·83	−0·53	−0·07	−0·07	−1·03	−1·30	−0·17
	TEMPERATURE (MAXIMUM + MINIMUM) /2 IN DEGREES CENTIGRADE.												
1. Mediterranean Coast ...	+1·2	+0·7	+0·9	+1·0	−1·2	−0·1	−0·4	+0·4	−0·4	−0·6	+1·5	−0·6	+0·2
2. Middle Egypt ...	+1·0	+0·3	+1·4	+0·7	−2·0	−0·8	−0·5	+0·2	−0·9	−0·9	+1·7	−0·7	0·0
3. Upper Egypt...	+0·9	+0·3	+1·3	+1·1	−2·4	−1·7	−0·8	−0·2	−1·4	−1·9	+2·7	−1·1	−0·2
4. North Sudan...	−0·3	+0·1	+0·8	+0·4	−1·7	−1·0	+1·2	+0·8	−1·1	−0·8	+1·3	+0·2	0·0
5. Red Sea ...	−0·1	+0·2	+0·4	+1·5	−0·3	−0·3	−1·0	−0·2	+1·0	−0·7	+0·6	0·0	+0·1
6. Central Sudan ...	−1·2	−0·4	−0·2	−1·0	−2·7	−1·3	+0·3	−0·3	−1·6	−1·8	−0·6	−0·7	−1·0
7. South Sudan...	−1·2	−1·2	−0·8	0·0	+0·5	+0·1	−0·2	−0·4	−1·1	−0·5	+0·4	−0·4	−0·4
	RAINFALL IN MILLIMETRES.												Total
1. Mediterranean Coast ...	+31	+ 7	+ 7	− 2	+ 2	0	0	0	0	+ 2	−10	+26	+ 61
2. Middle Egypt ...	+23	+ 2	+ 3	− 5	− 2	0	0	0	0	− 1	+ 1	+ 3	+ 24
3. Upper Egypt...	—	—	—	—	—	—	—	—	—	—	—	—	—
4. North Sudan...	0	0	0	0	− 5	+26	−43	−24	− 7	− 5	0	0	− 54
5. Red Sea ...	−13	− 3	− 2	+11	− 3	+ 9	− 9	− 6	− 1	+ 6	−50	−18	− 90
6. Central Sudan ...	0	0	− 0	+ 4	+14	+18	−24	0	+17	−14	− 3	0	− 33
7. South Sudan...	+ 1	+ 2	− 8	+18	+ 4	+22	−31	+ 2	+79	+30	−12	− 2	+ 99

In the above table, the districts are represented by the following stations :—

DISTRICT.	STATIONS.
1. Mediterranean Coast ...	Alexandria, Port Said.
2. Middle Egypt ...	Qurashiya, Helwân, Gîza.
3. Upper Egypt ...	Asyût, Aswân, Wadi Halfa.
4. North Sudan ...	Merowe, Atbara, Khartoum, Kassala.
5. Red Sea ...	Port Sudan.
6. Central Sudan ...	Wad Medani, El Obeid, Roseires.
7. South Sudan ...	Wau, Mongalla, Malakal.

These are essentially the same as in 1916.

For rainfall, the stations are much more numerous, all the rainfall stations which have been open since 1912 being included. They consist of 22 in Egypt and 66 in the Sudan.

HELWAN OBSERVATORY.

STANDARD PRESSURE.

(In millimetres).

1917.

The pressures published are Standard Pressures, *i.e.* they have been reduced to 0°C. and mean gravity, the correction which has been applied for reduction to mean gravity being — 1·00 m.m.

The height of the barometer above sea-level is 115·6 metres, and the following are the mean corrections for each month to be applied to reduce to pressures at sea-level.

Month.	Altitude Correction.
	m.m.
January	+ 10·34
February	+ 10·31
March	+ 10·16
April	+ 10·04
May	+ 10·00
June	+ 9·86
July	+ 9·77
August	+ 9·74
September	+ 9·90
October	+ 10·02
November	+ 10·08
December	+ 10·34

STANDARD PRESSURE.

MEAN OF DAY.

700 mm. +

1917.

DAYS OF MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	50·77	50·41	50·97	48·02	52·90	50·72	47·09	45·87	46·46	51·36	50·37	54·41
2	48·32	50·12	50·26	46·26	52·22	50·37	47·52	44·77	48·63	51·00	48·62	52·43
3	51·04	53·01	51·45	49·22	51·12	49·29	48·17	44·63	48·80	50·78	48·65	51·01
4	49·55	53·17	46·30	50·61	50·53	48·65	46·64	45·68	47·44	51·42	50·19	49·83
5	52·37	52·18	51·44	50·79	50·10	48·60	44·70	45·99	47·22	51·65	52·33	52·38
6	56·06	52·32	55·66	50·25	49·98	48·96	44·99	45·15	48·91	51·73	52·82	53·33
7	55·10	51·14	54·36	50·73	51·15	48·88	45·81	44·50	48·97	52·28	53·26	54·73
8	53·78	51·00	52·17	51·78	49·99	48·33	46·90	44·15	46·77	52·10	53·02	54·27
9	52·16	52·55	47·70	51·00	48·99	48·15	47·90	44·98	45·68	51·33	52·49	54·59
10	55·29	50·27	46·97	49·86	48·50	47·88	47·00	45·89	47·26	51·68	50·29	56·82
11	55·65	46·72	47·82	50·75	48·77	47·66	45·72	45·28	47·92	51·43	49·75	55·80
12	53·34	48·63	51·84	51·22	47·97	47·71	45·67	45·59	47·56	49·70	52·36	53·64
13	52·63	53·53	52·14	50·59	47·70	47·60	45·54	45·65	47·58	50·12	53·49	52·37
14	51·60	52·65	49·45	49·92	47·08	47·36	46·80	45·29	48·68	53·00	53·20	52·68
15	51·65	48·77	51·93	49·94	47·22	47·82	47·38	45·23	47·61	54·17	51·18	52·51
16	50·25	51·97	54·86	50·52	48·72	48·69	46·98	45·59	46·79	53·31	48·93	52·88
17	48·32	55·78	54·42	49·05	49·08	49·74	46·21	46·20	48·38	51·75	50·11	51·64
18	47·84	55·21	53·73	48·63	48·30	49·01	45·15	45·65	50·28	51·50	50·14	49·59
19	50·28	53·05	50·78	50·29	43·20	48·63	44·35	44·67	50·55	51·94	49·03	50·90
20	51·37	52·78	48·09	50·64	49·70	49·67	44·16	45·35	50·44	52·41	49·70	52·79
21	50·96	49·33	51·09	50·63	49·04	49·95	45·13	46·29	50·87	53·11	51·86	53·50
22	50·96	51·11	53·32	50·60	46·61	48·36	45·39	46·93	50·57	52·50	54·92	50·13
23	53·77	52·84	53·43	48·90	48·42	47·50	44·93	46·61	49·48	51·06	56·32	50·58
24	54·21	51·89	50·53	46·93	48·56	48·77	44·48	46·78	48·05	51·60	53·85	51·48
25	53·00	52·38	48·72	46·37	49·51	49·39	43·88	47·38	47·52	52·03	53·79	52·20
26	52·34	52·42	48·11	46·90	50·01	47·62	43·95	46·60	48·48	48·45	54·28	52·96
27	52·27	52·11	48·49	49·43	51·92	45·49	44·48	45·79	49·95	47·71	54·37	53·71
28	51·63	52·02	47·70	51·94	54·07	46·60	45·51	46·70	53·07	48·81	55·42	53·28
29	45·98	—	49·12	53·80	53·02	47·88	45·34	48·12	53·00	50·54	56·48	52·86
30	45·02	—	50·13	54·15	50·61	48·27	45·62	46·67	51·83	52·54	55·24	51·45
31	49·19	—	50·02	—	50·41	—	47·04	45·26	—	52·72	—	49·44
Mean	51·51	51·76	50·74	49·99	49·53	48·45	45·82	45·78	48·82	51·47	52·22	52·59

STANDARD PRESSURE.

(In millimetres.)

DEVIATION FROM MONTHLY MEANS FOR EVERY HOUR

1917.

Month	Hours of Observations.																								Mean of Month
	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Mdnt.	
January ...	+0·04	+0·08	+0·04	—0·06	—0·16	—0·06	+0·20	+0·52	+0·89	+1·02	+0·68	+0·03	—0·54	—0·72	—0·74	—0·68	—0·59	—0·38	—0·15	+0·02	+0·11	+0·17	+0·16	+0·05	51·51
February ...	+0·08	—0·04	—0·16	—0·16	—0·16	—0·02	+0·25	+0·58	+0·83	+0·91	+0·74	+0·33	—0·22	—0·61	—0·77	—0·80	—0·75	—0·55	—0·35	+0·04	+0·21	+0·24	+0·26	+0·17	51·76
March ...	+0·27	+0·01	—0·15	—0·27	—0·21	+0·06	+0·39	+0·71	+0·88	+0·90	+0·70	+0·32	—0·14	—0·57	—0·86	—0·96	—0·88	—0·66	—0·42	—0·09	+0·16	+0·28	+0·35	+0·27	50·74
April... ...	+0·19	—0·13	—0·28	—0·26	—0·14	+0·07	+0·40	+0·61	+0·73	+0·73	+0·52	+0·23	—0·12	—0·49	—0·76	—0·90	—0·86	—0·73	—0·42	—0·02	+0·24	+0·48	+0·53	+0·43	49·99
May	+0·22	+0·06	—0·07	—0·09	+0·02	+0·24	+0·53	+0·68	+0·80	+0·72	+0·52	+0·24	—0·07	—0·49	—0·75	—0·91	—1·04	—0·91	—0·65	—0·28	+0·10	+0·38	+0·43	+0·32	49·53
June	+0·24	+0·10	+0·09	+0·08	+0·13	+0·29	+0·48	+0·70	+0·71	+0·64	+0·47	+0·20	—0·12	—0·51	—0·74	—0·94	—1·01	—0·92	—0·65	—0·28	+0·09	+0·35	+0·39	+0·30	48·45
July	+0·28	+0·17	+0·10	+0·16	+0·22	+0·36	+0·56	+0·65	+0·62	+0·54	+0·33	+0·05	—0·26	—0·60	—0·85	—1·04	—1·07	—0·91	—0·61	—0·23	+0·17	+0·44	+0·49	+0·42	45·82
August ...	+0·22	+0·10	+0·04	+0·05	+0·10	+0·28	+0·48	+0·69	+0·74	+0·74	+0·55	+0·22	—0·16	—0·56	—0·75	—0·88	—0·99	—0·90	—0·66	—0·28	+0·12	+0·29	+0 34	+0·27	45·78
September .	+0·19	+0·10	+0·01	—0·03	0·00	+0·04	+0·19	+0·59	+0·65	+0·66	+0·52	+0·20	—0·18	—0·70	—0·79	—0·87	—0·87	—0·78	—0·49	+0·09	+0·28	+0·41	+0·45	+0·45	48·82
October ...	+0·23	+0·11	+0·04	—0·01	—0·01	+0·08	+0·29	+0·70	+0·82	+0·79	+0·54	+0·07	—0·40	—0·75	—0·82	—0·87	—0·83	—0·68	—0·35	+0·03	+0·19	+0·29	+0·33	+0·27	51·47
November .	0·00	—0·10	—0·16	—0·22	—0·23	+0·01	+0·20	+0·52	+0·74	+0·71	+0·41	—0·02	—0·46	—0·66	—0·77	—0·69	—0·55	—0·31	—0·01	+0·23	+0·29	+0·36	+0·37	+0·22	52·22
December...	+0·08	+0·02	0·00	—0·12	—0·17	—0·01	+0·29	+0·55	+0·84	+0·95	+0·67	+0·15	—0·39	—0·70	—0·84	—0·75	—0·59	—0·36	—0·17	—0·02	+0·09	+0·14	+0·19	+0·07	52·59
Mean	+0·17	+0·04	—0·04	—0·08	—0·05	+0·11	+0·35	+0·63	+0·77	+0·78	+0·55	+0·17	—0·25	—0·61	—0·79	—0·86	—0·84	—0·67	—0·41	—0·07	+0·17	+0·32	+0·36	+0·27	49·89

TEMPERATURE (°C).

Mean of Day.

1917.

DAYS OF MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	13·08	16·70	14·03	23·59	17·58	24·50	27·82	27·61	28·41	22·26	22·30	18·06
2	11·53	14·96	14·91	20·45	18·98	24·93	27·77	28·05	27·71	23·35	23·95	19·22
3	11·75	13·89	15·42	18·75	19·27	25·37	28·20	27·72	26·09	24·06	25·40	18·28
4	11·57	15·02	20·67	18·22	19·94	25·76	26·57	28·43	25·60	23·60	23·67	18·35
5	12·67	17·06	16·84	18·28	20·40	25·82	26·60	27·92	26·16	22·84	22·78	16·09
6	12·16	17·83	14·90	19·04	20·61	25·73	27·62	28·05	25·59	22·72	23·12	13·92
7	12·96	19·17	15·50	20·62	21·58	25·01	27·75	28·50	25·08	23·54	22·06	10·87
8	11·94	18·92	18·76	19·39	21·95	24·99	27·55	28·80	25·36	24·44	21·04	10·11
9	13·41	16·32	19·70	19·37	23·49	26·54	26·31	28·50	26·93	22·95	22·68	10·80
10	13·74	14·12	15·58	22·85	24·15	25·63	26·23	27·31	26·21	22·20	24·23	12·08
11	13·82	14·09	13·41	22·50	23·51	26·32	26·90	26·90	24·86	22·38	25·15	12·66
12	13·64	12·06	14·08	20·34	23·66	24·22	27·71	27·67	24·18	23·10	25·65	13·73
13	15·67	12·94	15·82	21·02	23·32	24·31	27·54	27·80	23·84	24·65	24·95	12·75
14	16·72	14·73	17·23	24·81	23·88	25·75	26·07	28·92	24·30	21·24	22·15	13·27
15	16·10	15·61	16·28	23·07	23·37	28·98	25·69	28·74	25·16	23·25	23·59	12·59
16	16·10	12·76	18·35	23·12	23·28	34·19	27·04	30·00	23·88	21·61	24·80	13·31
17	14·12	12·80	20·46	26·10	23·30	29·35	27·58	30·38	22·22	20·90	22·18	17·26
18	15·69	12·60	18·14	23·53	26·92	25·83	27·72	30·21	23·45	21·68	22·45	15·70
19	14·95	12·58	19·67	20·23	30·41	24·45	28·09	29·31	24·27	22·15	20·34	11·97
20	14·15	13·54	18·43	21·02	22·48	23·76	27·82	27·78	24·87	22·80	15·35	14·53
21	13·05	16·28	18·34	19·76	24·92	23·76	28·40	27·79	25·28	22·45	15·08	13·85
22	11·72	14·46	19·03	19·26	29·60	24·87	29·36	26·38	24·37	21·93	16·14	13·82
23	11·43	15·68	17·61	24·35	25·49	26·63	29·20	27·12	24·70	22·75	16·39	12·60
24	12·81	16·60	20·16	31·82	23·37	26·74	29·46	28·23	24·09	23·25	17·67	12·10
25	14·81	16·59	23·41	34·89	22·31	27·38	28·47	26·97	23·88	21·88	16·30	11·60
26	14·71	14·18	24·12	23·41	22·64	28·19	27·10	27·00	24·13	20·74	16·41	12·09
27	14·45	12·92	23·19	20·42	21·79	26·26	27·16	27·10	23·99	19·02	18·91	13·65
28	14·32	12·62	28·92	18·31	21·32	25·95	27·05	27·47	23·85	19·40	19·75	15·93
29	18·72	—	25·90	17·19	20·75	26·58	26·54	27·29	22·13	21·12	19·24	16·69
30	16·66	—	22·86	17·09	21·62	28·19	27·42	27·32	21·59	21·43	18·88	17·53
31	14·52	—	21·20	—	22·53	—	26·51	28·25	—	21·54	—	17·80
Mean	13·97	14·89	18·84	21·76	22·85	26·20	27·46	28·05	24·74	22·39	21·09	14·30

TEMPERATURE (°C).

DEVIATION FROM MONTHLY MEANS FOR EVERY HOUR.

1917.

Month	Hours of Observations.																								Mean of Month
	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Mdnt.	
January ...	−1·94	−2·55	−2·71	−3·11	−3·23	−3·72	−4·06	−3·31	−1·78	−0·21	+1·61	+3·14	+4·25	+4·76	+4·79	+4·10	+3·16	+2·01	+1·19	+0·60	+0·02	−0·55	−1·06	−1·45	13·97
February ...	−2·29	−2·75	−3·16	−3·69	−3·97	−4·17	−4·48	−3·59	−1·67	+0·19	+2·11	+3·63	+4·40	+4·84	+5·03	+4·86	+4·11	+2·74	+1·52	+0·53	−0·09	−0·88	−1·29	−1·87	14·89
March ...	−2·94	−3·68	−4·45	−4·51	−4·87	−5·59	−5·41	−3·70	−1·51	+0·73	+2·78	+4·11	+5·33	+5·91	+6·30	+5·85	+4·91	+3·50	+1·87	+0·73	−0·25	−1·17	−1·91	−2·08	18·84
April... ...	−3·58	−4·13	−4·87	−5·06	−5·73	−5·73	−4·90	−3·23	−0·82	+1·27	+3·02	+4·56	+5·73	+6·17	+6·46	+6·15	+5·38	+4·04	+2·24	+0·80	−0·55	−1·62	−2·56	−3·06	21·76
May	−4·12	−4·82	−5·44	−5·67	−5·91	−5·78	−4·20	−2·24	+0·08	+1·85	+3·28	+4·35	+5·17	+5·65	+5·95	+5·85	+5·47	+4·55	+3·05	+1·30	−0·46	−1·78	−2·70	−3·40	22·85
June	−3·71	−4·52	−5·24	−6·17	−6·49	−6·27	−5·35	−3·82	−1·79	+0·37	+2·38	+3·82	+5·13	+5·81	+6·43	+6·50	+6·06	+5·21	+3·66	+2·05	+0·68	−0·63	−1·54	−2·58	26·20
July	−3·71	−4·52	−5·22	−5·64	−6·14	−6·06	−5·37	−4·03	−2·09	−0·21	+2·03	+3·69	+5·16	+5·94	+6·41	+6·48	+5·95	+5·18	+3·80	+2·35	+0·88	−0·50	−1·59	−2·78	27·46
August ...	−3·84	−4·67	−5·26	−5·68	−6·23	−6·43	−5·53	−4·17	−2·47	−0·05	+2·23	+3·77	+5·23	+6·04	+6·62	+6·62	+6·17	+5·29	+3·86	+2·43	+0·94	−0·52	−1·67	−2·70	28·05
September..	−3·31	−3·81	−4·26	−4·65	−5·03	−5·21	−4·49	−2·46	−0·92	+0·80	+2·49	+3·80	+4·85	+5·42	+5·70	+5·48	+4·69	+3·62	+2·40	+1·11	−0·04	−1·26	−2·11	−2·82	24·74
October ...	−3·21	−3·68	−3·97	−4·28	−4·45	−4·82	−4·13	−2·10	−0·39	+1·43	+2·91	+4·06	+4·91	+5·30	+5·43	+4·97	+4·07	+2·83	+1·74	+0·59	−0·58	−1·51	−2·24	−2·76	22·39
November..	−2·44	−3·02	−3·18	−3·37	−3·61	−3·86	−3·68	−2·21	−0·23	+1·29	+2·85	+3·81	+4·52	+4·73	+4·67	+4·23	+3·04	+1·75	+0·78	−0·08	−0·69	−1·31	−1·78	−2·32	21·09
December...	−1·85	−2·20	−2·45	−2·96	−3·45	−3·58	−3·79	−2·64	−1·20	+0·31	+1·46	+2·86	+3·83	+4·33	+4·43	+3·90	+3·85	+1·87	+1·12	+0·55	−0·08	−0·65	−1·09	−1·64	14·30
Mean	−3·08	−3·70	−4·19	−4·57	−4·93	−5·10	−4·62	−3·13	−1·23	+0·65	+2·43	+3·80	+4·87	+5·41	+5·68	+5·41	+4·65	+3·55	+2·27	+1·08	−0·02	−1·03	−1·80	−2·46	21·38

MAXIMUM AND MINIMUM TEMPERATURE (°C.).

1917.

DAYS OF MONTH	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
1	18·3	8·2	23·2	9·5	19·7	6·4	35·1	16·6	23·9	10·9	33·1	17·1
2	16·5	10·5	19·8	10·4	20·0	9·5	25·5	16·5	25·9	11·7	33·4	18·5
3	16·4	8·5	20·7	8·9	21·8	9·1	24·0	14·8	26·5	12·7	33·5	17·3
4	17·2	8·7	20·7	9·1	28·9	12·3	24·4	14·0	27·8	13·6	33·2	18·1
5	17·4	9·2	24·6	11·1	22·7	15·5	24·6	13·2	28·4	12·1	33·3	17·0
6	18·5	7·9	26·6	9·9	20·8	8·9	26·5	11·7	28·5	13·2	33·5	18·2
7	19·4	9·4	27·2	9·7	21·5	10·0	28·5	13·2	29·4	15·2	33·1	18·1
8	18·5	6·2	27·7	13·9	28·8	11·2	26·5	14·2	29·3	15·1	32·8	19·0
9	21·8	8·3	21·5	12·6	27·5	10·9	29·7	12·2	31·5	15·9	34·5	18·8
10	18·6	10·3	18·5	9·5	22·3	11·2	35·5	11·4	32·8	15·0	33·1	18·0
11	18·9	8·4	20·7	11·6	18·2	10·6	30·4	13·4	29·5	15·9	34·1	18·5
12	18·9	7·9	17·5	8·9	19·9	9·2	28·5	14·3	30·0	16·0	31·0	18·7
13	19·0	11·6	19·0	7·7	22·9	8·2	29·1	11·9	30·5	16·0	31·3	17·6
14	20·7	13·1	20·7	10·6	22·9	10·9	32·7	14·8	33·4	16·8	33·4	18·7
15	21·0	11·9	22·4	11·9	21·9	11·2	30·4	15·7	30·0	18·7	37·2	21·0
16	20·4	13·3	18·5	10·2	25·3	12·2	32·5	13·2	30·5	16·4	42·8	25·1
17	20·7	7·2	18·6	8·4	29·2	12·1	36·5	19·2	30·6	15·9	37·8	22·6
18	23·0	10·1	17·7	8·6	26·9	13·0	32·7	18·3	35·5	19·1	33·5	20·6
19	19·8	9·2	17·6	7·1	27·6	13·4	27·8	15·3	38·0	25·2	31·3	19·3
20	19·5	9·6	19·7	7·7	29·5	9·2	29·0	13·9	30·5	17·7	30·2	18·7
21	19·2	9·2	23·0	9·2	25·0	12·5	25·6	15·8	32·5	15·7	30·6	18·0
22	17·2	6·9	21·8	8·4	26·0	13·5	28·0	11·4	38·9	18·9	31·9	19·8
23	17·0	7·9	22·9	9·9	24·2	13·7	32·7	16·0	31·6	20·3	33·5	19·5
24	19·4	7·3	22·9	10·7	29·3	13·3	39·0	23·3	29·9	18·0	33·9	19·2
25	21·0	8·9	21·7	12·2	30·3	15·1	43·8	31·6	28·4	16·8	34·9	20·6
26	20·5	10·2	19·2	9·6	35·6	13·1	34·8	20·0	29·5	16·6	36·1	19·8
27	20·2	9·3	17·4	8·1	33·5	10·4	26·4	16·3	28·6	16·7	34·6	20·9
28	21·0	9·2	17·0	8·7	38·5	20·4	22·9	14·8	28·5	15·1	32·5	20·4
29	26·8	10·0	—	—	35·1	22·1	23·0	12·2	27·9	15·5	32·7	20·1
30	22·8	12·9	—	—	31·0	16·0	23·2	11·2	29·3	16·0	33·9	20·3
31	21·0	9·5	—	—	29·2	15·8	—	—	30·8	15·9	—	—
Mean	19·72	9·38	21·03	9·79	26·32	12·29	29·64	15·35	30·27	16·06	33·69	19·32
Extreme for month	26·8	6·2	27·7	7·1	38·5	6·4	43·8	11·2	38·9	10·9	42·8	17·0

DAYS OF MONTH	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
1	34·3	20·8	35·7	21·0	36·6	20·5	28·0	18·4	29·5	18·2	24·6	12·7
2	33·9	20·4	35·3	20·9	34·6	23·0	29·8	17·9	30·7	17·7	27·0	14·8
3	34·6	19·7	35·3	21·4	31·8	21·4	30·8	19·4	33·6	19·7	27·3	10·4
4	33·6	19·4	35·8	20·8	31·0	19·2	29·7	18·8	30·5	18·5	25·1	12·6
5	33·6	20·8	34·4	22·3	32·4	19·9	29·0	17·3	29·0	17·0	21·2	12·1
6	33·8	21·9	36·7	20·4	31·6	20·2	29·0	16·5	29·3	19·9	19·5	9·4
7	34·6	20·5	37·1	21·9	31·7	21·3	29·0	16·9	27·9	19·5	15·3	7·1
8	34·4	20·7	37·1	21·7	31·9	21·2	31·5	17·4	27·3	17·1	14·1	5·8
9	32·9	19·9	37·4	20·9	34·6	22·0	27·7	19·9	29·6	18·7	17·8	4·7
10	32·4	20·5	33·9	22·8	32·7	21·6	27·5	16·8	30·7	18·2	16·8	6·5
11	34·4	20·9	33·1	21·8	31·9	19·3	28·7	16·5	32·8	19·2	16·6	8·7
12	36·1	20·8	34·4	22·0	30·8	19·7	30·0	18·0	30·9	21·4	18·4	9·7
13	34·5	21·2	35·1	21·5	30·0	18·0	30·9	20·4	30·6	21·7	17·9	7·3
14	35·1	22·2	37·1	22·9	31·2	18·2	30·6	19·6	29·1	17·9	19·0	8·1
15	32·8	20·7	36·1	22·2	32·5	19·2	29·7	19·8	30·6	18·1	19·1	6·1
16	33·8	21·8	37·8	21·4	30·0	19·8	27·3	17·7	30·7	18·5	18·3	7·6
17	35·4	20·9	38·8	22·0	28·4	18·9	25·5	16·6	28·7	19·6	22·0	8·4
18	36·0	19·7	37·4	22·3	29·9	17·5	28·9	14·9	27·0	19·9	21·5	15·1
19	36·0	20·2	36·8	22·8	29·9	19·4	29·5	16·9	25·8	19·2	16·2	7·6
20	36·8	20·6	35·1	22·5	31·5	19·1	29·9	18·0	20·0	15·0	10·3	10·8
21	36·8	22·0	34·8	22·0	32·8	19·8	29·9	17·6	20·8	9·2	19·2	9·3
22	37·8	22·0	33·3	20·2	31·2	17·1	28·7	17·2	22·6	11·1	19·5	9·0
23	37·2	21·7	35·1	21·3	31·5	20·2	32·6	17·3	22·0	10·5	18·5	7·7
24	37·8	21·7	35·6	23·3	30·0	19·2	32·3	16·7	22·8	12·7	18·3	7·9
25	37·2	22·5	34·1	21·5	30·0	18·9	28·8	17·2	21·0	11·0	17·6	6·8
26	34·8	21·3	34·3	21·9	30·9	19·1	28·1	16·1	21·6	11·9	18·0	7·6
27	34·9	20·4	33·7	20·5	32·0	17·3	24·5	15·6	24·7	15·2	19·4	7·4
28	35·7	22·2	34·6	21·3	30·3	18·9	24·9	14·8	24·7	16·3	22·3	8·8
29	33·6	20·0	34·5	20·5	27·3	18·9	27·2	17·5	24·0	16·5	22·8	8·8
30	34·6	20·9	34·8	21·8	28·5	17·1	26·7	17·6	24·2	15·3	23·6	12·4
31	34·1	19·0	36·1	21·1	—	—	27·8	17·4	—	—	23·6	12·2
Mean	34·59	20·88	35·53	21·64	31·32	19·53	28·85	17·51	27·09	16·82	19·99	9·14
Extreme for month	37·8	19·0	38·8	20·2	36·6	17·1	32·6	14·8	33·6	9·2	27·3	4·7

RELATIVE HUMIDITY.

Mean of Day.

1917.

DAYS OF MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	65	33	47	44	55	45	39	52	49	57	65	68
2	78	27	36	66	49	46	40	48	59	57	48	57
3	74	34	36	65	49	44	41	49	58	56	32	36
4	83	54	25	54	43	44	49	45	57	59	57	44
5	77	51	53	54	49	43	52	50	50	61	56	73
6	70	51	57	54	49	48	46	52	53	58	58	56
7	57	36	60	40	46	51	47	55	70	55	67	70
8	62	41	43	60	43	57	48	51	67	53	71	71
9	62	63	32	52	36	48	56	52	65	65	53	66
10	75	71	55	36	23	43	59	60	60	57	45	57
11	69	74	55	41	32	42	53	63	61	54	38	47
12	62	75	57	52	45	48	51	60	65	59	46	54
13	60	61	49	39	51	45	52	60	66	66	42	61
14	74	51	36	22	46	45	55	56	57	61	60	50
15	72	52	42	34	42	27	58	53	56	64	52	46
16	64	84	35	35	41	18	53	47	68	63	37	53
17	67	64	26	31	40	48	47	44	56	65	60	37
18	46	53	44	54	29	49	47	43	47	60	73	70
19	57	51	35	56	23	52	47	46	50	70	83	78
20	57	47	44	38	49	58	57	57	54	67	43	70
21	37	34	44	42	24	58	55	56	54	65	33	70
22	66	48	42	38	21	56	46	64	59	64	39	59
23	72	53	58	24	35	49	49	65	60	58	41	45
24	55	52	50	13	49	46	54	52	64	50	59	58
25	39	51	28	14	52	44	60	52	62	58	67	61
26	41	58	32	55	44	42	54	58	62	47	61	55
27	47	58	47	51	45	57	58	59	60	60	53	48
28	49	64	19	45	47	53	61	53	63	65	63	35
29	21	—	34	49	52	54	54	54	58	79	62	35
30	32	—	58	51	55	41	49	61	63	72	65	51
31	46	—	50	—	53	—	53	53	—	65	—	48
Mean	59	53	43	44	42	47	51	54	59	61	55	56

RELATIVE HUMIDITY.

DEVIATION FROM MONTHLY MEANS FOR EVERY HOUR.

1917.

Month	Hours of Observations.																							Mean of Month.
	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Mdnt.	
January ...	+ 9	+11	+10	+10	+11	+12	+13	+11	+ 9	+ 4	− 2	− 9	−14	−16	−19	−16	−11	− 8	− 4	− 4	− 1	+ 2	+ 5	+ 6	59
February ...	+ 9	+11	+13	+15	+15	+14	+16	+16	+10	+ 2	− 5	−11	−16	−18	−19	−19	−19	−14	− 7	− 3	− 1	+ 4	+ 6	+ 8	53
March ...	+ 7	+10	+15	+15	+15	+18	+19	+15	+10	+ 2	− 8	−12	−17	−20	−21	−20	−18	−14	− 9	− 5	− 2	+ 3	+ 6	+ 6	43
April... ...	+11	+12	+16	+16	+22	+22	+23	+16	+ 5	− 4	−10	−15	−19	−21	−22	−21	−19	−17	−12	− 7	− 2	+ 2	+ 7	+ 8	44
May	+18	+20	+22	+22	+23	+26	+22	+12	+ 1	− 7	−12	−16	−18	−20	−22	−23	−23	−21	−17	− 8	− 1	+ 6	+11	+15	42
June	+12	+18	+23	+29	+31	+32	+31	+22	+10	− 3	−11	−17	−21	−23	−25	−25	−25	−23	−20	−15	−11	− 5	+ 1	+ 7	47
July	+16	+21	+26	+29	+32	+32	+29	+22	+12	+ 1	−11	−18	−23	−26	−27	−27	−25	−24	−21	−16	− 9	− 1	+ 4	+10	51
August ...	+20	+25	+28	+29	+33	+35	+31	+23	+15	+ 1	−12	−20	−27	−31	−32	−32	−30	−27	−23	−17	− 9	− 1	+ 6	+12	54
September .	+18	+21	+23	+25	+25	+27	+26	+15	+ 8	− 3	−11	−19	−23	−25	−28	−27	−25	−22	−16	−10	− 3	+ 5	+10	+15	59
October ...	+19	+21	+21	+22	+22	+25	+23	+15	+ 6	− 5	−15	−21	−24	−26	−27	−26	−23	−19	−14	− 8	0	+ 6	+12	+15	61
November .	+11	+10	+11	+ 9	+ 9	+11	+10	+ 9	+ 7	− 2	− 9	−13	−15	−17	−16	−16	−14	− 7	− 2	+ 1	+ 5	+ 8	+ 9	+10	55
December...	+ 5	+ 6	+ 7	+ 9	+12	+12	+13	+10	+ 7	+ 4	− 1	−6	−11	−14	−17	−17	−12	− 9	− 6	− 5	0	+ 1	+ 3	+ 5	56
Mean	+13	+16	+18	+19	+21	+22	+21	+16	+ 8	− 1	− 9	−15	−19	−21	−23	−22	−20	−17	−13	− 8	− 3	+ 2	+ 7	+10	52

VAPOUR PRESSURE.

(In millimetres.)

MEAN OF DAY.

1917.

DAYS OF MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	7·11	4·46	5·27	8·82	7·58	8·97	10·08	12·30	12·62	11·03	12·35	10·19
2	7·83	3·15	4·48	11·68	7·15	9·38	10·45	12·45	15·28	11·29	9·88	8·75
3	7·44	4·00	4·42	10·22	7·27	9·19	11·08	12·38	13·96	11·76	7·79	5·49
4	8·38	6·55	4·18	8·10	6·45	9·57	11·71	11·50	13·31	11·96	11·74	6·92
5	8·26	6·85	7·38	8·08	7·73	9·57	12·53	12·73	11·92	11·72	10·86	9·80
6	7·23	6·90	6·94	7·98	7·84	10·48	12·11	13·23	12·52	11·16	11·97	6·38
7	6·13	5·87	7·62	6·48	7·67	11·03	11·78	14·16	15·77	11·33	12·88	6·69
8	6·31	6·28	6·05	9·20	7·41	12·64	12·30	13·06	15·41	11·18	12·52	6·42
9	6·87	8·32	4·88	7·44	6·54	10·87	13·33	13·21	16·11	13·07	10·08	6·26
10	8·55	8·36	6·85	5·73	4·72	9·42	14·27	15·13	14·25	10·92	9·84	5·70
11	8·02	8·66	6·18	7·21	6·48	9·54	12·76	15·53	13·20	10·35	8·75	5·09
12	7·05	7·72	6·48	8·20	8·92	10·13	12·96	15·23	13·95	11·87	11·15	6·14
13	7·88	6·55	6·20	6·33	9·90	9·03	12·94	15·45	14·06	14·48	9·59	6·60
14	10.35	6·26	4·98	4·97	9·08	9·89	12·82	15·02	12·07	13·18	11·40	5·42
15	9·60	6·48	5·50	6·33	8·46	7·22	13·48	13·82	12·28	12·99	10·79	4·80
16	8·48	9·12	5·31	5·99	8·10	6·46	13·02	13·06	14·51	11·67	8·45	5·97
17	7·86	6·89	3·90	7·08	7·78	13·74	11·56	12·85	10·95	11·54	12·00	5·20
18	6·05	5·53	6·52	10·78	7·22	11·19	11·19	12·00	9·38	10·98	14·63	9·21
19	7·14	5·35	4·99	9·47	6·08	10·86	11·55	13·56	10·91	13·02	14·78	8·17
20	6·79	5·16	6·20	6·10	9·20	11·69	14·18	14·59	12·25	12·92	5·53	8·42
21	4·07	4·35	6·59	6·94	5·13	11·93	14·11	14·13	11·66	12·24	4·43	8·18
22	6·69	5·67	6·51	5·68	6·01	12·12	12·52	15·24	12·48	11·75	5·43	6·84
23	7·00	6·82	8·36	5·33	7·81	11·59	12·94	16·44	12·94	10·89	5·48	4·82
24	5·86	6·91	8·13	4·42	9·98	10·58	14·35	13·13	13·51	9·57	8·58	5·89
25	4·65	6·94	5·95	5·45	9·95	10·59	15·89	13·06	12·52	10·58	9·05	6·01
26	5·12	6·79	6·30	11·56	8·40	10·72	12·94	13·88	12·83	8·22	8·13	5·80
27	5·62	6·26	7·94	9·04	8·43	13·30	14·40	14·26	12·37	9·82	8·46	5·49
28	5·87	6·83	5·39	6·78	8·09	12·51	15·24	12·81	12·91	10·68	10·68	4·87
29	3·17	—	7·71	6·80	8·83	13·38	12·80	13·26	11·21	14·22	10·18	4·82
30	4·42	—	11·25	6·92	9·76	11·13	11·86	15·28	11·51	12·95	10·22	7·44
31	5·56	—	8·31	—	9·45	—	11·95	13·34	—	11·77	—	7·11
Mean	6·82	6·39	6·35	7·50	7·85	10·62	12·74	13·74	12·95	11·65	10·10	6·61

VAPOUR PRESSURE.

(In millimetres.)

DEVIATION FROM MONTHLY MEANS FOR EVERY HOUR.

1917.

Month	Hours of Observations.																							Mean of Month
	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Mdnt.	
January ...	+0·24	+0·19	+0·01	−0·13	−0·22	−0·24	−0·29	−0·24	+0·32	+0·46	+0·48	+0·27	−0·04	−0·15	−0·55	−0·33	−0·12	−0·09	+0·06	−0·10	0·00	+0·05	+0·18	+0·19	6·82
February ...	+0·27	+0·25	+0·26	+0·27	+0·15	−0·04	+0·02	+0·44	+0·67	+0·55	+0·33	+0·03	−0·46	−0·64	−0·86	−0·80	−0·90	−0·58	−0·04	+0·04	+0·12	+0·34	+0·35	+0·30	6·39
March ...	0·00	+0·20	+0·53	+0·44	+0·30	+0·45	+0·62	+0·98	+1·28	+0·99	+0·12	−0·14	−0·77	−1·17	−1·22	−1·28	−1·10	−0·65	−0·28	−0·12	+0·07	+0·31	+0·27	+0·11	6·35
April	+0·43	+0·37	+0·56	+0·50	+1·03	+0·92	+1·63	+1·80	+1·34	+0·48	−0·13	−0·59	−1·08	−1·46	−1·76	−1·49	−1·32	−1·30	−0·65	−0·22	+0·01	+0·17	+0·46	+0·34	7·50
May	+1·56	+1·44	+1·35	+1·08	+1·10	+1·66	+1·99	+1·46	+0·78	+0·02	−0·61	−1·00	−1·42	−1·77	−2·21	−2·41	−2·44	−2·25	−1·70	−0·41	+0·20	+0·88	+1·26	+1·50	7·85
June	+1·19	+1·64	+2·09	+2·42	+2·52	+2·88	+3·38	+3·02	+2·04	+0·46	−0·64	−1·27	−1·98	−2.31	−2·63	−2·70	−2·63	−2·59	−2·40	−1·75	−1·11	−0·45	+0·13	+0·77	10·62
July	+1·69	+2·06	+2·58	+2·74	+2·77	+2·99	+3·03	+2·72	+2·24	+1·15	−0·55	−1·76	−2·77	−3·11	−3·32	−3·21	−2·86	−2·88	−2·70	−1·96	−0·70	+0·20	+0·60	+1·17	12·74
August ...	+2·81	+3·05	+3·04	+2·86	+3·13	+3·16	+3·38	+3·19	+2·96	+1·24	−0·43	−2·08	−3·55	−4·42	−4·88	−4·71	−4·10	−3·50	−2·84	−1·79	−0·44	+0·67	+1·37	+1·99	13·74
September..	+1·75	+1·70	+1·81	+1·70	+1·49	+1·64	+2·03	+1·87	+1·61	+0·66	−0·28	−1·55	−2·01	−2·31	−2·84	−2·96	−2·70	−2·47	−1·50	−0·87	+0·07	+0·78	+1·18	+1·43	12·95
October ...	+1·54	+1·56	+1·29	+1·22	+1·07	+1·18	+1·44	+1·75	+1·56	+0·61	−0·68	−1·46	−1·86	−2·00	−2·21	−2·20	−2·06	−1·74	−1·35	−0·77	+0·03	+0·61	+1·11	+1·32	11·65
November..	+0·47	+0·14	+0·12	−0·27	−0·39	−0·30	−0·36	+0·24	+1·17	+0·56	+0·08	−0·16	−0·39	−0·97	−0·60	−0·83	−1·01	−0·28	+0·17	+0·18	+0·57	+0·74	+0·75	+0·48	10·10
December...	−0·14	−0·17	−0·22	−0·12	0·00	−0·08	−0·12	+0·13	+0·48	+0·76	+0·67	+0·63	+0·20	−0·10	−0·51	−0·59	−0·35	−0·19	−0·10	−0·19	+0·03	−0·07	+0·03	0·00	6·61
Mean	+0·99	+1·04	+1·12	+1·06	+1·08	+1·19	+1·40	+1·45	+1·37	+0·66	−0·13	−0·75	−1·34	−1·69	−1·96	−1·96	−1·80	−1·54	−1·11	−0·66	−0·10	+0·36	+0·64	+0·80	9·44

WIND.—Resultant Direction and Velocity for every day.

In degrees E of N and kilometres per hour.

1917.

DAYS OF MONTH	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.
1	208	19·0	175	13·7	115	3·1	34	27·1	352	12·5	38	31·3	7	18·0	345	13·3	344	9·1	12	15·5	45	36·7	8	16·7
2	245	12·8	242	10·8	250	7·6	341	15·9	3	18·7	23	23·6	356	19·2	332	12·5	347	14·2	11	20·0	30	5·9	48	21·7
3	240	7·2	216	2·4	138	5·7	12	22·7	14	15·4	3	21·9	348	17·3	341	11·4	347	15·8	11	22·5	136	2·4	21	3·1
4	221	12·0	41	13·3	177	16·2	8	20·0	14	19·8	3	13·7	342	16·8	7	8·2	348	12·4	12	19·8	355	12·1	0	6·5
5	320	4·7	48	20·1	341	19·9	0	19·0	0	15·7	1	16·3	352	17·0	339	13·2	341	10·0	16	16·0	27	16·0	347	13·4
6	34	8·4	43	16·7	346	11·8	9	14·2	8	14·5	355	15·2	349	14·6	339	13·8	353	15·1	10	11·6	43	35·6	298	9·2
7	43	14·3	41	2·3	28	14·8	345	9·1	39	21·1	339	15·6	1	18·0	4	17·2	354	20·6	11	12·0	29	25·0	328	10·3
8	34	5·6	7	6·2	23	12·6	357	15·8	41	27·0	341	15·1	357	17·0	359	18·6	356	20·0	358	7·5	43	32·0	317	4·3
9	190	2·6	15	15·7	198	9·1	44	21·8	31	20·1	353	10·7	350	15·8	331	12·5	0	21·6	342	11·6	56	37·0	53	1·6
10	268	3·7	330	2·5	278	17·9	22	10·1	28	15·6	337	17·3	351	17·8	341	12·1	348	16·2	10	8·9	47	8·5	32	15·9
11	18	8·4	177	6·8	277	18·5	10	15·1	358	15·0	336	17·1	358	17·3	344	14·1	353	13·4	27	19·2	39	5·9	51	23·5
12	161	8·5	283	2·0	309	10·3	15	17·9	358	11·7	333	16·2	359	21·3	346	12·8	332	12·5	38	23·3	20	8·7	35	21·7
13	50	6·5	178	2·3	163	4·8	44	16·8	358	11·2	352	18·9	354	20·0	350	13·3	339	12·9	31	20·7	53	22·9	28	13·8
14	16	11·5	178	8·1	225	16·2	18	7·4	33	15·5	8	16·4	0	26·2	357	20·1	8	14·9	9	14·5	48	23·7	46	22·4
15	44	27·5	202	10·2	244	11·7	12	16·0	335	8·3	48	30·1	354	23·7	352	14·4	15	19·2	20	21·0	30	12·8	34	2·8
16	45	32·4	327	4·3	153	4·7	30	14·5	52	4·2	52	17·5	0	24·6	1	14·6	330	17·2	4	17·1	147	6·1	357	5·6
17	124	3·4	17	12·1	38	17·9	10	5·7	18	12·6	344	21·9	2	21·0	3	12·6	348	22·8	342	12·7	13	8·7	71	20·1
18	110	2·6	36	17·8	40	27·7	16	21·5	70	18·4	356	26·4	3	19·3	354	13·0	3	23·0	25	15·0	15	13·6	133	9·1
19	16	6·2	18	13·4	43	30·1	3	24·8	183	28·3	356	23·9	348	15·8	342	11·8	20	27·3	16	21·2	3	15·9	182	10·6
20	301	7·5	46	18·1	315	6·1	21	11·6	322	11·7	344	19·7	347	17·1	345	14·5	12	21·1	27	21·3	311	9·8	332	4·7
21	228	13·0	177	13·0	6	10·2	332	12·5	18	7·4	323	18·6	352	13·6	332	13·1	15	18·4	28	22·6	164	7·6	144	4·0
22	254	13·1	230	13·1	45	25·8	37	16·6	353	5·1	323	19·0	358	21·4	332	13·5	0	15·1	27	17·1	153	6·5	168	13·2
23	265	3·5	36	3·9	40	31·4	96	10·4	2	15·3	345	16·7	355	18·3	332	15·0	358	16·6	52	14·7	25	11·1	221	21·3
24	42	11·5	24	9·9	42	33·0	153	20·6	348	12·6	0	16·6	354	17·2	355	15·4	348	14·1	16	5·6	36	19·1	217	22·9
25	113	6·9	37	20·7	43	32·1	109	4·5	0	11·1	4	16·8	338	17·3	352	17·1	340	12·0	350	5·7	332	9·0	200	8·2
26	178	8·7	17	18·3	32	14·1	350	22·9	341	4·4	349	14·2	319	19·6	352	18·5	339	12·2	231	7·8	27	10·7	163	11·1
27	269	2·8	330	9·4	6	13·8	4	29·3	354	3·8	323	18·4	317	14·1	341	14·0	354	6·3	225	1·8	51	34·5	133	9·9
28	136	2·9	352	12·9	125	1·7	4	21·0	26	18·5	320	18·4	337	17·2	321	13·7	9	15·1	311	4·8	42	35·7	134	7·6
29	168	21·9	—	—	352	9·5	346	16·2	8	26·7	329	14·2	342	12·7	335	12·1	15	22·9	322	10·2	39	25·7	106	2·5
30	219	16·7	—	—	24	24·1	340	16·4	1	24·6	3	19·0	354	15·9	338	15·2	355	18·6	8	13·8	30	23·3	46	11·1
31	200	11·9	—	—	38	35·6	—	—	28	23·5	—	—	335	13·2	340	13·1	—	—	42	20·2	—	—	182	3·6
Mean	135	0·5	28	4·7	23	8·8	14	14·1	15	12·4	356	17·3	351	17·6	346	13·7	357	15·9	16	13·4	38	15·4	52	3·6

WIND.—Resultant Direction and Velocity for every hour.

In degrees E of N and kilometres per hour.

1917.

HOURS OF DAY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		YEAR	
	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir. E of N	Vel.	Dir E of N	Vel.
1	78	4·4	44	7·6	47	13·9	35	12·2	37	17·1	10	15·7	356	14·0	354	9·7	10	13·0	32	14·2	49	19·2	60	7·5	30	11·5
2	81	3·9	44	6·1	50	10·7	37	13·2	36	15·3	9	13·4	358	13·8	355	8·1	13	11·5	29	12·2	49	17·2	58	6·8	30	10·2
3	100	3·3	50	6·4	50	10·1	36	11·4	36	12·2	6	11·6	358	13·4	358	7·4	10	9·7	30	10·6	41	15·7	68	4·1	29	8·9
4	108	3·6	49	4·5	52	10·2	24	9·6	35	11·0	3	10·6	359	12·6	356	7·7	12	9·0	25	11·1	42	16·7	72	5·0	28	8·4
5	106	4·0	56	4·8	52	10·3	24	10·9	35	10·2	339	10·7	358	10·8	357	7·7	8	9·1	34	9·4	46	13·5	82	5·8	30	7·9
6	106	4·7	74	3·8	56	6·4	28	10·5	38	8·2	4	9·8	358	11·0	354	7·5	6	9·1	36	8·0	55	13·4	74	5·9	32	7·1
7	126	4·6	79	3·3	60	6·0	23	9·6	37	8·2	355	11·5	356	12·0	349	8·3	6	9·1	30	7·6	51	14·2	93	5·9	29	6·9
8	139	4·5	101	3·2	72	4·6	18	11·4	23	8·5	352	12·4	353	14·5	335	10·1	357	11·6	27	8·3	52	13·2	98	6·3	21	7·0
9	144	4·6	97	3·5	51	5·0	7	11·6	15	7·9	348	14·2	348	14·6	322	11·1	348	14·7	15	9·9	48	13·8	130	3·4	8	7·4
10	163	5·0	128	3·1	12	4·1	0	10·0	5	6·3	353	14·1	342	13·9	334	9·9	353	13·4	20	9·8	42	12·3	108	2·1	4	6·7
11	182	5·2	122	2·4	355	4·0	1	12·3	353	6·7	350	16·1	346	17·7	320	11·9	349	16·1	14	9·4	37	12·0	101	1·6	357	7·9
12	214	6·2	246	1·3	332	5·8	348	12·6	349	7·9	355	17·5	350	18·8	320	15·4	342	17·9	3	12·9	24	13·4	80	0·9	347	9·4
13	244	8·0	274	2·8	322	7·3	348	12·0	334	9·3	350	18·5	344	19·5	325	17·1	345	19·2	350	13·5	22	13·7	229	0·3	340	10·4
14	257	10·3	303	5·5	320	9·6	348	14·4	332	10·0	348	20·3	344	19·9	330	17·5	340	19·9	352	16·6	18	14·1	313	2·9	358	12·2
15	276	8·7	312	4·6	320	11·4	348	15·2	327	11·9	345	22·2	342	21·9	327	19·0	343	21·3	353	17·3	21	14·9	333	3·2	339	13·4
16	294	7·1	323	0·2	337	12·1	353	17·4	330	14·1	344	22·9	343	22·5	332	18·3	342	21·8	353	17·9	20	15·7	323	4·8	342	14·5
17	292	6·1	333	7·2	350	11·9	355	19·3	339	14·2	344	23·9	341	23·1	340	20·1	347	21·8	353	17·4	24	15·7	336	6·2	346	15·0
18	322	3·0	354	7·3	2	11·1	359	20·1	348	15·6	349	24·1	346	23·1	343	19·4	350	19·9	350	16·5	23	14·2	347	4·3	353	14·7
19	354	4·6	11	9·5	13	13·1	8	20·8	355	16·8	351	24·4	354	23·1	353	20·3	359	21·2	1	17·1	32	16·1	22	4·3	2	15·6
20	31	4·5	16	0·9	18	15·6	21	22·5	17	21·4	354	24·7	358	25·4	359	23·4	1	21·9	16	19·4	41	20·3	32	5·8	12	17·3
21	55	4·8	23	12·2	36	16·9	29	23·7	31	26·7	5	23·1	357	24·0	3	24·8	6	23·3	33	20·8	45	19·8	44	7·3	21	18·2
22	66	4·9	37	12·8	36	16·0	33	22·1	29	25·6	6	22·5	358	22·5	13	21·0	8	21·9	35	20·9	41	19·7	48	7·1	24	16·3
23	73	4·1	42	12·2	36	17·6	33	17·2	34	22·9	12	19·6	2	18·1	9	16·9	13	17·9	36	19·5	42	18·7	51	6·2	27	15·4
24	60	4·5	47	11·2	38	15·5	32	13·9	37	19·7	8	17·3	359	16·3	5	12·0	13	15·6	33	17·2	38	18·3	65	7·0	28	13·4
Mean	135	0·5	28	4·7	23	8·8	14	14·1	15	12·4	356	17·3	351	17·6	346	13·7	356	15·9	16	13·4	38	15·4	52	3·6	9	13·8

WIND VELOCITY.

(Kilometres per hour.)

MEAN OF DAY.

1917.

DAYS OF MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	22·0	15·5	8·6	28·9	14·3	32·6	18·7	14·4	11·4	16·4	36·8	18·1
2	20·5	16·2	16·9	18·7	19·0	25·4	19·5	13·8	15·1	21·2	7·6	23·3
3	12·6	8·2	9·6	25·4	16·9	22·2	18·2	15·7	17·0	23·2	7·1	5·1
4	19·0	14·0	21·6	20·8	21·6	19·2	17·9	12·5	13·7	21·2	12·9	10·6
5	8·8	21·6	21·8	19·0	17·6	16·6	17·8	14·5	12·5	17·8	17·2	15·1
6	9·1	17·9	12·6	15·2	16·5	16·2	15·3	15·4	15·7	13·3	35 7	11·4
7	17·1	6·3	16·0	10·4	22·0	16·7	18·1	18·3	20·8	13·4	27·1	12·9
8	6·8	12·0	17·7	18·5	27·3	16·2	17·2	19·4	20·6	8·8	32·3	5·7
9	11·5	16·8	18·0	22·2	21·4	17·4	16·6	13·7	22·0	12·5	40·7	10·0
10	7·9	5·7	19·9	14·6	17·3	18·5	18·4	13·8	17·1	11·8	13·3	16·9
11	9·1	14·7	22·0	16·7	18·1	18·4	17·6	15·3	13·9	20·6	8·3	24·0
12	10·1	12·6	15·2	19·0	14·5	17·6	21·3	14·0	13·8	24·3	12·0	22·7
13	13·0	6·0	9·9	17·6	15·5	19·3	20·6	14·2	13·9	22·1	24·7	15·0
14	16·3	11·7	23·5	11·5	19·4	18·0	26·2	20·6	15·8	15·8	24·8	22·6
15	27·8	20·5	16·3	17·6	18·5	30·4	24·5	17·4	20·7	22·6	18·9	5·5
16	32·5	7·6	9·6	15·2	15·0	21·0	24·6	18·2	18·4	17·4	7·9	7·5
17	7·8	14·2	18·5	14·2	19·4	23·2	21·2	16·8	24·2	13·7	11·6	21·8
18	7·4	18·5	28·2	24·5	25·7	26·5	19·8	15·2	24·0	16·0	16·4	13·7
19	7·0	14·5	30·3	26·0	46·0	24·1	16·5	13·1	29·5	23·0	19·6	10·9
20	9·1	18·2	13·7	15·5	13·6	20·8	17·8	15·5	22·5	23·4	11·5	9·4
21	19·8	19·2	12·4	16·9	11·5	19·5	15·3	14·1	19·5	24·2	9·5	5·3
22	16·6	16·4	25·9	17·4	16·2	20·0	21·6	14·7	15·1	18·9	8·0	16·4
23	8·6	9·6	31·7	15·8	20·0	17·9	18·9	16·0	16·7	17·0	12·1	23·7
24	12·9	13·1	33·2	23·6	16·9	16·6	17·9	17·1	15·0	7·2	19·8	24·6
25	9·8	21·5	32·7	19·5	15·4	19·0	18·7	18·2	12·8	8·2	10·1	14·9
26	11·5	19·4	16·1	28·2	13·2	15·3	19·8	19·3	13·3	14·8	11·7	13·0
27	7·0	11·5	16·5	31·2	9·2	19·0	14·6	15·3	10·2	6·6	35·5	12·2
28	6·5	15·6	9·7	22·8	19·8	18·8	18·2	14·8	17·5	6·0	36·4	9·1
29	23·9	—	14·5	19·0	27·9	15·1	13·7	13·1	24·5	11·9	26·3	7·2
30	19·8	—	26·7	17·7	24·7	19·8	16·4	16·4	19·2	15·1	24·5	12·0
31	13·0	—	37·0	—	25·1	—	14·2	14·5	—	20·5	—	8·8
Mean	13·7	14·3	19·6	19·5	19·3	20·0	18·6	15·7	17·5	16·4	19·3	13·9

WIND VELOCITY.

(In kilometres per hour.)

DEVIATION FROM MONTHLY MEANS FOR EVERY HOUR.

1917.

Month	Hours of Observations.																								Mean of Month
	1	2	3	4	5	6	7	8	9	10	11	Noon	13	14	15	16	17	18	19	20	21	22	23	Mdnt.	
January ...	−2·0	−2·8	−4·2	−3·4	−2·6	−2·4	−2·8	−3·1	−2·7	−2·0	−0·5	+2·6	+4·8	+6·3	+6·6	+4·4	+2·2	−0·5	−0·1	+1·2	+1·7	+0·9	−0·1	−1·7	13·7
February ...	−0·2	−2·3	−3·1	−4·0	−3·4	−4·9	−5·7	−5·8	−4·5	−3·9	−0·7	+0·7	+1·9	+2·5	+2·3	+2·2	+4·0	+1·4	+2·2	+5·0	+5·2	+4·6	+2·9	+2·5	14·3
March... ...	−0·6	−3·1	−3·7	−4·1	−4·1	−7·3	−7·1	−7·1	−4·7	−5·1	+1·2	+2·9	+3·9	+4·6	+5·6	+5·9	+5·0	+2·7	+2·8	+2·4	+3·1	+2·4	+2·7	+0·7	19·6
April	−1·6	+1·8	−3·8	−5·3	−3·7	−4·5	−5·6	−4·5	−3·2	−5·1	−0·8	−0·4	−0·4	+1·1	+1·1	+2·1	+3·6	+4·0	+4·0	+6·6	+8·4	+6·5	+2·2	0·0	19·5
May	+0·7	−0·9	−3·4	−4·6	−5·9	−7·9	−8·2	−6·0	−4·0	−4·3	−3·6	−1·2	−0·5	+0·1	+0·4	+1·4	+1·3	+2·3	+3·5	+9·0	+11·6	+10·1	+7·4	+3·7	19·3
June	−1·7	−4·8	−6·8	−7·7	−8·2	−9·1	−7·1	−5·5	−2·9	−2·7	+0·1	+1·1	+1·3	+3·1	+4·4	+5·1	+6·3	+7·0	+7·6	+7·9	+6·9	+4·9	+2·1	−0·2	20·0
July	−3·7	−4·4	−4·8	−5·7	−7·7	−7·4	−6·2	−3·5	−3·0	−3·4	+0·3	+1·4	+2·5	+2·9	+4·7	+5·5	+6·0	+5·9	+5·1	+7·1	+6·1	+4·3	+0·3	−2·0	18·6
August ...	−4·3	−6·4	−7·1	−7·0	−7·2	−7·6	−6·6	−4·8	−3·9	−4·6	−2·2	+1·5	+2·9	+4·1	+4·6	+4·1	+5·7	+5·0	+5·1	+8·3	+10·6	+6·8	+3·1	−1·2	15·7
September ...	−2·9	−4·9	−7·2	−7·9	−7·8	−7·9	−7·8	−4·7	−1·7	−1·8	+1·1	+2·6	+4·0	+4·6	+5·3	+5·7	+5·5	+3·4	+3·9	+5·1	+6·8	+5·9	+2·3	−0·4	17·5
October ...	−0·5	−2·3	−4·5	−4·0	−4·8	−6·3	−7·3	−6·7	−3·1	−2·9	−1·5	+1·0	+1·7	+3·3	+4·1	+3·8	+3·0	+1·6	+1·8	+5·1	+6·1	+6·0	+4·3	+2·3	16·4
November ...	+3·3	+0·8	−0·7	−0·1	−3·2	−3·3	−2·8	−3·7	−1·6	−1·5	−2·4	−0·4	+0·6	+1·5	+1·3	+1·0	−0·2	−1·5	+0·3	+3·6	+2·6	+3·2	+1·9	+2·5	19·3
December ...	−0·6	−0·8	−2·6	−2·5	−2·4	−2·5	−2·3	−2·3	0·0	−1·6	−0·8	+1·7	+2·8	+4·6	+5·0	+3·3	+0·9	−1·2	−0·4	+0·8	+1·1	+0·8	−1·0	−0·9	13·9
Mean	−1·2	−2·8	−4·3	−4·7	−5·1	−5·9	−5·8	−4·8	−2·9	−3·2	−0·8	+1·1	+2·1	+3·2	+3·8	+3·7	+3·6	+2·5	+3·0	+5·2	+5·9	+4·7	+2·4	+0·5	17·3

CLOUDS (0 – 10 scale.)

1917.

January.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	0 —	9 Cu.	9 Cu.	8 St.	10 Cu.	6·3
2	10 Cu.-Ni.	7 Cu.-Ni.	10 Cu.-Ni.	9 Cu.-Ni.	10 Cu.	10·0
3	7 St.-Cu.	10 Cu.-Ni.	2 Cu.	5 Cu.	10 Cu.	6·3
4	10 Cu.-Ni.	10 Cu.-Ni.	10 Cu.-Ni.	10 Cu.-Ni.	10 Cu.-Ni.	10·0
5	9 Cu.-Ni.	5 St.-Cu.	4 Cu.	1 St.-Cu.	0 —	4·3
6	0 —	0 —	7 Cu.	2 Cu.	0 —	2·3
7	0 —	0 —	0 —	0 —	0 —	0·0
8	0 —	0 —	1 Ci.	4 Ci.	8 Ci.-Cu.	3·0
9	0 —	1 St.	8 St.-Cu.	10 Ni.	10 Ni.	6·0
10	0 —	1 St.	8 Cu.	0 —	0 —	2·7
11	9 Cu.	1 St.-Cu.	5 St.-Cu.	7 St.-Cu.	0 —	4·7
12	4 Ci.	1 Ci.	8 Ci.-St.	5 Ci.-Cu.	2 Ci.-St.	4·7
13	7 Ci.-Cu.	9 Ci.-St.	10 St.-Cu.	10 Cu.-Ni.	10 Cu.-Ni.	9·0
14	7 Cu.-Ni.	8 Cu.	3 Cu.	4 Cu.	2 Cu.	4·0
15	0 —	0 —	1 Ci.	0 —	0 —	0·3
16	0 —	0 —	0 —	0 —	0 —	0·0
17	10 Ci.-St.	6 Ci.-St.	0 —	0 —	0 —	3·3
18	0 —	0 —	0 —	0 —	0 —	0·0
19	0 —	0 —	8 Ci.	9 Ci.-St.	7 Ci.-St.	5·0
20	1 Ci.	0 —	7 Cu.	4 Cu.	2 Cu.	3·3
21	0 —	0 —	0 —	0 —	0 —	0·0
22	1 Ci.-Cu.	10 Ni.	10 Cu.-Ni.	8 Cu.-Ni.	8 Ci.-St.	6·3
23	9 Cu.	8 Cu.	8 Cu.	1 Cu.	0 —	5·7
24	0 —	0 —	0 —	0 —	0 —	0·0
25	0 —	0 —	0 —	0 —	0 —	0·0
26	0 —	3 Ci.	8 Ci.	1 Ci.-Cu.	0 —	2·7
27	7 Cu.	0 —	1 Cu.	0 —	0 —	2·7
28	0 —	0 —	0 —	0 —	0 —	0·0
29	0 —	1 Ci.-St.	2 Ci.-St.	0 —	0 —	0·7
30	10 Ci.-St.	10 Ci.-St.	4 Ci.-St.	9 Alt.-St.	0 —	4·7
31	0 —	0 —	2 Ci.-Cu.	0 —	0 —	0·7
Mean	3·3	3·2	4·4	3·5	2·9	3·5

* Additional observations not used in the daily mean.

February.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	2 Ci.	8 Ci.	7 Ci.	9 Ci.-St.	9 Ci. St.	6·0
2	0 —	0 —	0 —	0 —	0 —	0·0
3	0 —	0 —	2 Ci.-St.	7 Ci.-St.	3 Ci.-St.	1·7
4	0 —	0 —	1 Ci.	1 Ci.	0 —	0·3
5	0 —	0 —	2 Ci.	10 Ci.-St.	10 Ci.-St.	4·0
6	0 —	0 —	2 Ci.	0 —	0 —	0·7
7	7 Ci.-St.	6 Ci.-St,	10 Ci.-St.	10 Ci.-St.	8 Ci.-St.	8·3
8	0 —	0 —	6 Ci.-St.	4 Ci.	2 Ci.	2·7
9	3 Ci.	2 Ci.	6 Ci.	8 Ci.	1 Ci.	3·3
10	10 St.	10 St.	10 St.	10 St.-Cu.	10 St.-Cu.	10·0
11	10 St.-Cu.	0 —	5 St.-Cu.	7 Cu.-Ni.	10 Cu.-Ni.	8·3
12	6 Ci.-Cu.	10 Cu.-Ni.	10 Cu.-Ni.	4 Cu.-Ni.	3 Ni.	6·3
13	0 —	0 —	1 Ci.-Cu.	3 Ci.Cu.	0 —	0·3
14	7 Ci.-St.	7 Ci.-St.	6 Cu.	4 Ni.	3 Ni.	5·3
15	10 Ni.	9 St.-Cu.	10 Cu.	2 Cu.	4 Cu.	8·0
16	9 Cu.	9 Cu.	10 Ni.	9 Cu.-Ni.	9 Cu.-Ni.	9·3
17	0 —	4 Cu.	4 Cu.	5 Cu.	0 —	1·3
18	0 —	2 St.	6 Ci.-St.	3 Ci.	0 —	2·0
19	0 —	0 —	2 Cu.	2 Cu.	0 —	0·7
20	0 —	0 —	0 —	0 —	0 —	0·0
21	0 —	0 —	0 —	6 Ci-Cu.	3 Ci.-Cu.	1·0
22	0 —	0 —	3 Cu.	1 Ci.	0 —	1·0
23	0 —	0 —	7 Cu.	4 Cu.	4 Cu.	3·7
24	1 Ci.	0 —	2 Cu.	1 Ci.	3 Cu.	2·0
25	1 Ci.	0 —	0 —	0 —	0 —	0·3
26	0 —	0 —	1 Ci.	1 Ci.	1 Ci.	0·7
27	0 —	4 Cu.	7 Cu.	5 Cu.	9 Cu.	5·3
28	0 —	7 Cu.	6 Cu.	3 Cu.	0 —	2·0
Mean	2·4	2·8	4·5	4·2	3·3	3·4

March.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	0 —	0 —	0 —	3 St.-Cu.	9 Cu.	3·0
2	0 —	1 Ci.	0 —	0 —	1 Ci.	0·3
3	0 —	2 Ci.	6 Ci.	3 Ci.-St.	4 Ci.	3·3
4	10 St.	10 St.-Cu.	10 St.-Cu.	10 St.-Cu.	10 St.-Cu.	10·0
5	9 Ci.-St.	10 St.-Cu.	8 St.-Cu.	4 Cu.	0 —	5·7
6	0 —	4 St.-Cu.	4 St.-Cu.	7 Cu.	2 Ci.-St.	2·0
7	2 Ci.-St.	2 Ci.-St.	0 —	1 Ci.	0 —	0·7
8	0 —	0 —	0 —	0 —	0 —	0·0
9	0 —	0 —	0 —	0 —	0 —	0·0
10	3 Ci.-St.	7 St.-Cu.	6 St.-Cu.	7 St.-Cu.	7 St.-Cu.	5·3
11	3 Ci.	10 St.-Cu.	10 St.-Cu.	10 Cu.	0 —	4·3
12	8 Ci.-Cu.	8 Cu.	5 Ci.-Cu.	2 Cu.	0 —	4·3
13	0 —	0 —	0 —	0 —	0 —	0·0
14	0 —	0 —	0 —	8 Alt. St.	8 Alt.-St.	2·7
15	4 Ci.-St.	3 Cu.	0 —	0 —	0 —	1·3
16	0 —	0 —	0 —	0 —	0 —	0·0
17	0 —	0 —	1 Ci.	0 —	0 —	0·3
18	7 Ci.	6 Ci.	9 Ci.-St.	9 Ci.-St.	3 Ci.-St.	5·3
19	2 Ci.	1 Ci.	3 Ci.	5 Ci.-St.	0 —	1·7
20	8 Ci.	3 Ci.	6 Ci.	2 Ci.	0 —	4·7
21	4 Ci.	1 Ci.	1 Ci.	0 —	0 —	1·7
22	4 Ci.	5 Ci.	7 Ci.	7 Ci.	3 Ci.	4·7
23	5 Ci.-Cu.	0 —	0 —	0 —	0 —	1·7
24	0 —	0 —	1 Ci.	3 Ci.	3 Ci,	1·3
25	8 Ci.	7 Ci.-St.	8 Ci.-St.	3 Ci.-St.	2 Ci.	6·0
26	0 —	0 —	4 Ci.	9 Ci.	0 —	1·3
27	0 —	0 —	8 Ci.	9 Ci.	7 Ci.	5·0
28	8 Ci.-St.	9 Ci.-St.	8 Ci.-St.	9 Ci.-St.	2 Ci.	6·0
29	8 Ci.	9 Ci.	9 Ci.-St.	8 Ci.-St.	8 Ci.-St.	8·3
30	9 Ci.-St.	7 Ci.-St.	9 Ci.-St.	10 Ci.-St.	10 Ci.-St.	9·3
31	8 Ci.-St.	5 Ci.	8 Ci.-St.	10 St.-Cu.	10 St.-Cu.	8·7
Mean	3·5	3·5	4·2	4·5	2·9	3·5

* Additional observations not used in the daily mean.

April.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	5 Ci.-St.	1 Ci.	2 St.	7 Ci.-St.	7 Ci.-St.	4·7
2	9 Ci.-St.	10 St.-Cu.	10 St.-Cu.	10 St.-Cu.	8 St.Cu.	9·0
3	10 Cu.	2 Cu.	3 Cu.	3 Cu.	0 —	4·3
4	4 Cu.	0 —	0 —	0 —	0 —	1·3
5	2 Ci.	0 —	0 —	0 —	0 —	0·7
6	0 —	0 —	0 —	0 —	0 —	0·0
7	0 —	0 —	0 —	0 —	0 —	0·0
8	2 Ci.	0 —	0 —	0 —	0 —	0·7
9	0 —	0 —	2 Ci.	3 Ci.	0 —	0·7
10	0 —	0 —	0 —	0 —	0 —	0·0
11	0 —	5 Ci.-St.	2 Ci.-St.	0 —	0 —	0·7
12	0 —	0 —	0 —	0 —	0 —	0·0
13	0 —	4 Ci.-St.	4 Ci.-St.	5 Ci.-St.	0 —	1·3
14	0 —	0 —	0 —	0 —	0 —	0·0
15	0 —	0 —	0 —	0 —	0 —	0·0
16	0 —	0 —	0 —	0 —	0 —	0·0
17	0 —	5 Ci.-St.	5 Ci.-St.	6 Ci.-St.	5 Ci.-St.	3·3
18	10 St.-Cu.	7 Ci.-St.	2 Ci.-St.	0 —	0 —	4·0
19	6 St.-Cu.	0 —	0 —	0 —	0 —	2·0
20	0 —	0 —	0 —	0 —	0 —	0·0
21	3 Ci.	0 —	0 —	3 Ci.	0 —	1·0
22	0 —	0 —	0 —	0 —	0 —	0·0
23	4 Ci.	9 Ci.-St.	10 Ci.-St.	10 Ci.-St.	0 —	4·7
24	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10·0
25	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10·0
26	10 Ci.-St.	10 Ci.-St.	9 St.-Cu.	10 St.Cu.	7 St.-Cu.	8·7
27	7 St.-Cu.	4 Ci.-St.	4 Ci.-St.	2 Ci.-St.	8 St.-Cu.	6·3
28	9 Ci.-St,	10 Ci.-St.	6 Ci.-St.	0 —	0 —	5·0
29	0 —	4 St.-Cu.	8 St.-Cu.	6 Cu.-Ni.	0 —	2·7
30	1 Cu.	5 Cu.	5 Cu.	3 Cu.	0 —	2·0
Mean	3·4	3·2	3·1	2·9	1·8	2·8

CLOUDS (0—10 scale).

1917.

May.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	3 Cu.	0 —	0 —	0 —	0 —	1·0
2	0 —	0 —	0 —	0 —	0 —	0·0
3	0 —	0 —	0 —	0 —	0 —	0·0
4	2 Ci.	1 Ci.	0 —	1 Ci.	0 —	0·7
5	0 —	0 —	0 —	0 —	0 —	0·0
6	3 Ci.	2 Ci.	7 Ci.	10 Ci.-St.	8 Ci.-St.	6·0
7	2 Ci.	3 Ci.	2 Ci.	0 —	0 —	1·3
8	0 —	0 —	1 Ci.	1 Ci.	0 —	0·3
9	3 Ci.	0 —	0 —	0 —	0 —	1·0
10	0 —	0 —	0 —	0 —	0 —	0·0
11	0 —	1 Ci.	1 Ci.	0 —	0 —	0·3
12	7 Ci.	6 Ci.-St.	9 Ci.-St.	0 —	0 —	5·3
13	0 —	0 —	4 Cu.	3 Cu.	0 —	1·3
14	1 Ci.	2 Ci.	5 Ci.-St.	3 Ci.-St.	0 —	2.0
15	0 —	5 Cu.	6 Cu.	4 Cu.	2 Cu.	2·7
16	0 —	3 Cu.	0 —	2 Cu.	0 —	0·0
17	0 —	0 —	1 Cu.	0 —	0 —	0·3
18	3 Ci.	7 Ci.-St.	9 Ci.-St.	9 Ci.-St.	7 Ci-St.	6·3
19	10 Cu.	10 Alt.-St.	10 Alt.-St.	10 Alt.-St.	10 Alt.St.	10·0
20	3 Ci.-St.	2 Ci.-St.	4 Ci.-St.	0 —	0 —	2·3
21	1 Ci.	0 —	0 —	0 —	0 —	0·3
22	0 —	0 —	9 Ci.-St.	10 St.-Cu.	10 Cu.	6·3
23	7 St.-Cu.	8 St.-Cu.	6 St.-Cu.	0 —	0 —	4·3
24	0 —	0 —	7 Cu.	7 Cu.	1 Ci.	2·7
25	0 —	3 Cu.	8 Cu.	7 Cu.	3 Cu.	3·7
26	1 St.	4 St.-Cu.	9 St.-Cu.	7 Cu.-Ni.	8 St. Cu.	6·0
27	2 Ci.St.	8 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	9·7
28	1 St.	1 St.	5 Ci.-St.	8 Ci.-St.	5 Ci.-St.	3·7
29	0 —	0 —	0 —	0 —	0 —	0·0
30	7 Cu.	2 Cu.	0 —	0 —	0 —	2·3
31	2 Cu.	0 —	0 —	0 —	0 —	0·7
Mean	2·1	2·2	3·6	3·0	2·1	2·6

* Additional observations not used in the daily mean.

June.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	0 —	0 —	0 —	0 —	0 —	0·0
2	0 —	0 —	0 —	0 —	0 —	0·0
3	0 —	0 —	0 —	0 —	0 —	0·0
4	0 —	0 —	0 —	0 —	0 —	0·0
5	0 —	0 —	0 —	0 —	0 —	0·0
6	0 —	0 —	0 —	0 —	0 —	0·0
7	0 —	0 —	0 —	0 —	0 —	0·0
8	1 Ci.	0 —	0 —	0 —	0 —	0·3
9	0 —	0 —	0 —	0 —	0 —	0·0
10	0 —	0 —	0 —	0 —	0 —	0·0
11	0 —	0 —	0 —	0 —	0 —	0·0
12	1 Ci.	0 —	0 —	0 —	0 —	0·3
13	2 Cu.	0 —	0 —	0 —	0 —	0·7
14	0 —	0 —	0 —	0 —	0 —	0·0
15	0 —	0 —	0 —	0 —	0 —	0·0
16	0 —	0 —	0 —	0 —	0 —	0·0
17	0 —	0 —	2 Ci.	0 —	0 —	0·7
18	2 Ci.	0 —	0 —	0 —	0 —	0·7
19	1 Ci.	0 —	0 —	0 —	0 —	0·3
20	5 Cu.	0 —	0 —	0 —	0 —	1·7
21	7 Cu.	1 Ci.-Cu.	1 Ci.	0 —	0 —	2·7
22	6 Cu.	0 —	0 —	1 Ci.-St.	0 —	2.0
23	3 Cu.	0 —	0 —	2 Ci.-Cu.	0 —	1·0
24	0 —	0 —	0 —	0 —	0 —	0·0
25	0 —	0 —	0 —	0 —	0 —	0·0
26	0 —	0 —	0 —	0 —	0 —	0·0
27	0 —	0 —	0 —	0 —	0 —	0·0
28	8 Cu.	0 —	0 —	0 —	0 —	2·7
29	0 —	0 —	0 —	1 Ci.-St.	0 —	0·0
30	1 Cu.	0 —	0 —	0 —	0 —	0·3
Mean	1·2	0·0	0·1	0·1	0·0	0·4

July.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	0 —	0 —	0 —	0 —	0 —	0·0
2	0 —	0 —	0 —	3 Ci.	2 Ci.	0·7
3	0 —	0 —	0 —	0 —	0 —	0·0
4	0 —	0 —	0 —	0 —	0 —	0·0
5	8 Cu.	0 —	0 —	0 —	0 —	2·7
6	0 —	0 —	0 —	0 —	0 —	0·0
7	1 Cu.	0 —	0 —	0 —	0 —	0·3
8	0 —	0 —	0 —	0 —	0 —	0·0
9	0 —	0 —	0 —	0 —	0 —	0·0
10	2 Cu.	1 Cu.	1 Ci.-St.	0 —	0 —	1·0
11	0 —	0 —	0 —	0 —	0 —	0·0
12	1 Ci.	0 —	0 —	0 —	0 —	0·3
13	0 —	0 —	0 —	0 —	0 —	0·0
14	5 Cu.	0 —	0 —	0 —	0 —	1·7
15	2 St.-Cu.	0 —	0 —	0 —	0 —	0·7
16	0 —	0 —	0 —	0 —	0 —	0·0
17	0 —	0 —	0 —	0 —	0 —	0·0
18	0 —	0 —	0 —	0 —	0 —	0·0
19	0 —	0 —	0 —	0 —	0 —	0·0
20	0 —	0 —	0 —	0 —	0 —	0·0
21	3 Ci.	0 —	0 —	0 —	0 —	1·0
22	0 —	0 —	0 —	0 —	0 —	0·0
23	0 —	0 —	0 —	0 —	0 —	0·0
24	7 Cu.	0 —	0 —	0 —	0 —	2·3
25	0 —	0 —	0 —	0 —	0 —	0·0
26	0 —	0 —	0 —	0 —	0 —	0·0
27	10 Cu.	0 —	0 —	0 —	0 —	3·3
28	4 Ci.-St.	0 —	2 Cu.	7 Cu.	2 Cu.	2·7
29	2 Cu.	0 —	0 —	0 —	0 —	0·7
30	0 —	0 —	2 Cu.	4 Cu.	0 —	0·7
31	0 —	0 —	0 —	0 —	0 —	0·0
Mean	1·5	0·0	0·2	0·5	0·1	0·6

* Additional observations not used in the daily mean.

August.

Date	Hours of observation 8	11 *	14	17 *	20	Mean
1	0 —	0 —	0 —	0 —	0 —	0·0
2	0 —	0 —	0 —	0 —	0 —	0·0
3	1 Ci.	0 —	0 —	0 —	0 —	0·3
4	0 —	0 —	0 —	0 —	0 —	0·0
5	0 —	0 —	0 —	0 —	0 —	0·0
6	0 —	0 —	0 —	0 —	0 —	0·0
7	0 —	0 —	0 —	0 —	0 —	0·0
8	0 —	0 —	0 —	0 —	0 —	0·0
9	0 —	0 —	0 —	0 —	0 —	0·0
10	2 Cu.	0 —	0 —	0 —	0 —	0·7
11	4 Cu.	1 Ci.	0 —	0 —	0 —	1·3
12	4 Ci.-St.	0 —	0 —	0 —	0 —	1·3
13	4 Cu.	0 —	0 —	0 —	0 —	1·3
14	4 Cu.	0 —	0 —	0 —	0 —	1·3
15	0 —	0 —	0 —	0 —	0 —	0·0
16	0 —	0 —	0 —	0 —	0 —	0·0
17	0 —	0 —	0 —	0 —	0 —	0·0
18	0 —	0 —	0 —	0 —	0 —	0·0
19	0 —	0 —	0 —	0 —	0 —	0·0
20	0 —	0 —	0 —	0 —	0 —	0·0
21	0 —	0 —	0 —	0 —	0 —	0·0
22	0 —	0 —	0 —	0 —	0 —	0·0
23	4 Ci.-St.	0 —	0 —	1 Cu.	0 —	1·3
24	4 Cu.	0 —	0 —	0 —	0 —	1·3
25	4 Cu.	0 —	0 —	0 —	0 —	1·3
26	6 Ci.-St.	0 —	0 —	0 —	0 —	2·0
27	5 Cu.	0 —	0 —	0 —	0 —	1·7
28	0 —	0 —	0 —	0 —	0 —	0·0
29	0 —	0 —	0 —	0 —	0 —	0·0
30	6 Ci.-St.	0 —	0 —	0 —	0 —	2·0
31	5 Ci.-St.	0 —	0 —	0 —	0 —	1·7
Mean	1·7	0·0	0·0	0·0	0·0	0·6

CLOUDS (0—10 scale).

1917.

September.

Date	Hours of Observation 8	11 *	14	17 *	20	Mean
1	0 —	0 —	0 —	0 —	0 —	0·0
2	0 —	0 —	0 —	0 —	0 —	0·0
3	3 Ci.-St.	0 —	0 —	0 —	0 —	1·0
4	3 Ci.-St.	0 —	0 —	0 —	0 —	1·0
5	0 —	0 —	0 —	0 —	0 —	0·0
6	0 —	0 —	0 —	0 —	0 —	0·0
7	7 Ci.-Cu.	2 Ci.-Cu.	2 Ci.-Cu.	3 Cu.	0 —	3·0
8	8 Ci.-Cu.	0 —	1 Cu.	1 Cu.	0 —	3·0
9	3 Ci.-St.	1 Ci.	3 Ci.-St.	1 Ci.-St.	0 —	2·0
10	3 Ci.-St.	2 Ci.-St.	0 —	0 —	0 —	1·0
11	1 Ci.-St.	0 —	0 —	0 —	0 —	0·3
12	2 Ci.-St.	0 —	0 —	0 —	0 —	0·7
13	0 —	0 —	0 —	0 —	0 —	0·0
14	0 —	0 —	0 —	0 —	0 —	0·0
15	0 —	0 —	0 —	0 —	0 —	0·0
16	2 Cu.	4 St.-Cu.	4 Ci.-St.	0 —	0 —	2·0
17	2 Ci.	5 Ci.-St.	7 Ci.-St.	3 Ci.-St.	0 —	3·0
18	0 —	1 Ci.-St.	2 Ci.-St.	0 —	0 —	0·7
19	0 —	0 —	1 Ci.-St.	1 Ci.-St.	0 —	0·3
20	0 —	0 —	0 —	0 —	0 —	0·0
21	0 —	0 —	0 —	0 —	0 —	0·0
22	2 Ci.-St.	0 —	0 —	0 —	0 —	0·7
23	0 —	0 —	0 —	0 —	0 —	0·0
24	3 Ci.-St.	0 —	0 —	0 —	0 —	1·0
25	1 Ci.-St.	0 —	0 —	0 —	0 —	0·3
26	7 Ci.-St.	0 —	0 —	0 —	0 —	2·3
27	1 Ci.-St.	0 —	0 —	0 —	0 —	0·3
28	0 —	0 —	0 —	0 —	0 —	0·0
29	0 —	0 —	0 —	0 —	0 —	0·0
30	0 —	1 Ci.-St.	0 —	0 —	0 —	0·0
Mean	1·6	0·5	0·7	0·3	0·0	0·8

* Additional observations not used in the daily mean.

October.

Date	Hours of Observation 8	11 *	14	17 *	20	Mean
1	7 Ci.-St.	0 —	0 —	0 —	0 —	2·3
2	0 —	0 —	0 —	0 —	0 —	0·0
3	0 —	3 Ci.-St.	0 —	0 —	0 —	0·0
4	3 Ci.-St.	0 —	0 —	0 —	0 —	1·0
5	2 Ci.-St.	0 —	0 —	0 —	0 —	0·7
6	0 —	0 —	0 —	0 —	0 —	0·0
7	0 —	0 —	0 —	0 —	0 —	0·0
8	0 —	0 —	0 —	0 —	0 —	0·0
9	8 St.	1 St.	2 Ci.-St.	2 Ci.-St.	0 —	3·3
10	0 —	3 Cu.	3 Cu.	0 —	0 —	1·0
11	0 —	0 —	0 —	1 Ci.-St.	0 —	0·0
12	0 —	0 —	0 —	0 —	0 —	0·0
13	3 Ci.-St.	0 —	0 —	2 Ci.-St.	0 —	1·0
14	0 —	0 —	0 —	0 —	0 —	0·0
15	7 St.-Cu.	0 —	0 —	0 —	0 —	2·3
16	0 —	0 —	0 —	0 —	0 —	0·0
17	9 St.-Cu.	0 —	0 —	0 —	0 —	3·0
18	0 —	0 —	0 —	0 —	0 —	0·0
19	3 Cu.	2 Cu.	1 Cu.	1 Ci.-St.	0 —	1·3
20	4 Cu.	0 —	0 —	0 —	0 —	1·3
21	0 —	0 —	0 —	0 —	0 —	0·0
22	0 —	2 Ci.-St.	6 Ci.-St.	4 Ci.-St.	2 Ci.-St.	2·7
23	7 Ci.	6 Ci.	1 Ci.	0 —	2 Ci.	3·3
24	2 Ci.	0 —	0 —	0 —	0 —	0·7
25	0 —	0 —	0 —	0 —	0 —	0·0
26	0 —	0 —	1 Ci.-St.	0 —	0 —	0·3
27	4 St.-Cu.	3 St.-Cu.	5 St.-Cu.	5 Cu.-Ni.	10 Cu.-Ni.	6·3
28	0 —	1 St.	9 St.	1 St.	0 —	3·0
29	10 St.	8 St.	3 St.	1 St.	0 —	4·3
30	3 St.-Cu.	1 St.	0 —	0 —	0 —	1·0
31	0 —	0 —	1 St.	3 Ci.-St.	0 —	0·3
Mean	2·3	1·0	1·0	0·6	0·5	1·3

November.

Date	Hours of Observation 8	11 *	14	17 *	20	Mean
1	3 Ci.-St.	3 Ci.	8 Ci.-St.	9 Ci.-St.	9 Ci.-St.	6·7
2	10 Ci.-St.	10 Ci.-St..	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10·0
3	0 —	0 —	0 —	0 —	0 —	0·0
4	3 St.	3 Ci.	3 Ci.	2 Ci.	0 —	2·0
5	0 —	0 —	0 —	0 —	0 —	0·0
6	1 Ci.	1 Ci.	1 Ci.	1 Ci.	0 —	0·7
7	0 —	0 —	0 —	0 —	0 —	0·0
8	0 —	0 —	0 —	0 —	0 —	0·0
9	0 —	0 —	2 Ci.	4 Ci.-St.	0 —	0·7
10	8 Ci.	0 —	1 Ci.	5 Ci.-St.	0 —	3·0
11	3 Ci.-St.	2 Ci.	9 Ci.-St.	8 St.	0 —	4·0
12	3 Ci.-St.	4 Ci.-St.	6 Ci.-St.	3 Ci.	0 —	3·0
13	0 —	0 —	0 —	1 Ci.	0 —	0·0
14	0 —	0 —	1 Ci.	4 Ci.	0 —	0·3
15	0 —	2 Ci.	4 Ci.	1 Ci.	1 Ci.	1·7
16	7 Ci.-St.	9 Ci.-St.	10 St.	10 St.	9 St.	8·7
17	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10 Ci.-St.	10·0
18	5 Ci.-St.	6 St.-Cu.	10 Ci.-St.	8 Ci.-St.	10 Ci.-St.	8·3
19	10 Ci.-St.	9 Ci.-St.	10 St.-Cu.	10 St.-Cu.	10 St.-Cu.	10·0
20	10 Cu.	10 Cu.-Ni.	10 Cu.-Ni.	10 Cu.-Ni.	9 Cu.-Ni.	9·7
21	2 Ci.-St.	2 Ci.-St.	1 Ci.	5 Ci.-St.	10 Ci.-St.	4·3
22	0 —	0 —	0 —	0 —	0 —	0·0
23	1 Ci.	0 —	0 —	0 —	0 —	0·3
24	1 Ci.-Cu.	1 Cu.	1 Cu.	0 —	0 —	0·7
25	0 —	0 —	3 Cu.	1 Cu.	0 —	1·0
26	8 Ci.-St.	5 Ci.-St.	2 Ci.	3 Ci.	3 Ci.	4·3
27	0 —	4 Ci.	8 Ci.	4 Ci.-St.	5 Ci.	4·3
28	0 —	6 Ci.-St.	9 Ci.-St.	8 Ci.-St.	6 Ci.-St.	5·0
29	9 Ci.	9 Ci.	7 Ci.-St.	8 Ci.-St.	4 Ci.-St.	6·7
30	8 Ci.-St.	4 Ci.-St.	3 Ci.-St.	1 St.	0 —	3·7
Mean	3·4	3·3	4·3	4·2	3·2	3·6

* Additional observations not used in the daily mean.

December.

Date	Hours of Observation 8	11 *	14	17 *	20	Mean
1	0 —	1 Ci.	0 —	0 —	2 St.	0·7
2	0 —	0 —	0 —	0 —	0 —	0·0
3	9 Ci.	10 Ci.-St.	7 Ci.-St.	7 Ci.-St.	7 Ci.-St.	7·7
4	8 Ci.-Cu.	7 Ci.-St.	4 Ci.-St.	2 Ci.-St.	0 —	4·0
5	0 —	2 Cu.	7 Cu.-Ni.	2 Cu.	0 —	2·3
6	1 Ci.	0 —	0 —	0 —	3 Cu.	1·3
7	9 St.-Cu.	5 St.-Cu.	8 Cu.-Ni.	7 Cu.-Ni.	1 Cu.	6·0
8	9 Ci.-St.	8 St.-Cu.	6 St.-Cu.	5 Cu.-Ni.	2 Cu.-Ni.	5·7
9	0 —	0 —	2 Cu.	8 Cu.-Ni.	0 —	0·7
10	0 —	2 Cu.	2 Cu.	0 —	0 —	0·7
11	9 Ci.-St.	10 Ci.-St.	10 Ci.-St.	7 Ci.-St.	0 —	6·3
12	0 —	0 —	0 —	0 —	0 —	0·0
13	4 Cu.-Ni.	0 —	9 Ci.-Cu.	3 Cu.-Ni.	1 Cu.	4·7
14	7 Ci.-St.	3 Ci.-St.	8 Ci.-St.	3 St.	0 —	5·0
15	0 —	2 Ci.	2 Ci.	2 Ci.-St.	0 —	0·7
16	2 Ci.	3 Ci.	3 Ci.	10 Ci.-St.	10 Ci.-St.	5·0
17	10 Ci.-St.	7 Ci.-St.	10 St.	10 St.	10 St.	10·0
18	7 St.-Cu.	10 Cu.-Ni.	8 Cu.-Ni.	3 Cu.	0 —	5·0
19	10 St.-Cu.	10 St.-Cu.	9 Cu.-Ni.	5 Cu.	10 Cu.	9·7
20	0 —	9 St.-Cu.	3 Cu.	8 St.-Cu.	5 St.-Cu.	2·7
21	8 St.-Cu.	7 St.-Cu.	6 Cu.	7 Cu.-Ni.	3 Cu.	5·7
22	9 St.-Cu.	8 St.-Cu.	7 Cu.-Ni.	10 Cu.-Ni.	2 St.	6·0
23	0 —	0 —	0 —	0 —	0 —	0·0
24	9 Cu.-Ni.	1 St.	7 St.-Cu.	7 St.-Cu.	10 St.-Cu.	8·7
25	9 St.-Cu.	2 St.	9 Cu.-N	3 St.-Cu.	3 St.-Cu.	7·0
26	0 —	0 —	1 Ci.	0 —	2 Ci.	1·0
27	9 Ci.-St.	5 Ci.-St.	4 Ci.-St.	3 Ci.-St.	7 Ci.-St.	6·7
28	10 St.-Cu.	8 Ci.-St.	3 Ci.-St.	10 Cu.-Ni.	8 St.-Cu.	7·0
29	4 St.-Cu.	9 St.-Cu.	7 St.-Cu.	8 St.-Cu.	6 St.-Cu.	5·7
30	9 Cu.-Ni.	10 Cu.-Ni.	6 St.-Cu.	9 St.-Cu.	10 St.-Cu.	8·3
31	5 Cu.-Ni.	10 St.-Cu.	10 Cu.-Ni.	5 Cu.-Ni.	5 Cu.-Ni.	6·7
Mean	5·1	4·8	5·1	4·6	3·5	4·5

ACTINOMETRIC OBSERVATIONS.

DAILY AT 14h.—1, Bright Bulb; 2, Black Bulb; 3, Difference.

1917.

DAYS OF MONTH	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
1	21·8	28·2	6·4	34·5	53·3	18·8	32·5	51·2	18·7	46·4	64·0	17·6	35·5	52·3	16·8	44·5	61·8	17·3
2	21·2	29·3	8·1	32·8	53·2	20·4	33·3	52·7	19·4	29·5	37·0	7·5	39·0	57·3	18·3	45·0	61·3	16·3
3	26·8	45·3	18·5	32·3	52·0	19·7	33·5	53·0	19·5	36·7	54·6	17·9	38·7	56·3	17·6	45·0	61·2	16·2
4	21·4	27·5	6·1	33·3	52·1	18·8	36·1	54·2	16·1	38·5	56·7	18·2	40·0	58·0	18·0	44·5	61·3	16·8
5	28·2	47·0	18·8	36·0	55·8	19·8	34·6	55·1	20·5	37·4	55·6	18·2	40·3	57·8	17·5	44·7	61·8	17·1
6	24·5	35·1	10·6	39·0	59·0	20·0	34·4	53·8	19·4	39·0	57·4	18·4	42·3	61·2	18·9	45·0	61·8	16·8
7	29·6	48·4	18·8	35·8	52·2	16·4	34·2	52·7	18·5	41·2	59·4	18·2	41·8	60·0	18·2	44·6	60·3	16·3
8	29·5	48·6	19·1	38·0	57·7	19·7	40·3	58·5	18·2	40·2	58·7	18·5	42·0	59·9	17·9	43·5	59·8	16·3
9	25·0	31·8	6·8	34·2	53·1	18·9	40·4	59·4	19·0	43·4	61·0	17·6	44·5	62·0	17·5	45·7	62·4	16·7
10	23·8	33·3	9·5	23·3	30·2	6·9	33·5	53·3	19·8	46·5	65·4	18·9	44·8	61·4	16·6	43·7	60·0	16·3
11	31·5	51·0	19·5	32·8	52·2	19·4	19·5	25·0	5·5	43·2	61·7	18·5	42·2	59·5	17·3	45·0	61·3	16·3
12	27·1	40·7	13·6	21·8	29·9	8·1	34·0	53·2	19·2	41·3	59·3	18·0	43·0	60·4	17·4	41·7	58·3	16·6
13	23·1	30·4	7·3	31·3	51·0	19·7	35·4	54·8	19·4	42·0	61·2	19·2	43·2	60·7	17·5	42·7	59·8	17·1
14	31·5	49·4	17·9	31·4	50·0	18·6	35·8	55·6	19·8	45·4	63·8	18·4	44·5	62·7	18·2	44·5	60·8	16·3
15	32·3	51·6	19·3	25·7	34·0	8·3	34·4	53·5	19·1	43·7	62·5	18·8	40·5	56·9	16·4	48·3	64·9	16·6
16	32·8	52·2	19·4	19·2	26·2	7·0	37·7	57·7	20·0	44·4	61·9	17·5	41·7	59·0	17·3	54·0	70·8	16·8
17	31·0	51·3	20·3	28·5	46·5	18·0	42·0	61·4	19·4	47·4	64·7	17·3	42·5	59·4	16·9	48·9	64·8	15·9
18	33·0	52·5	19·5	24·5	33·6	9·1	36·0	50·2	14·2	44·5	62·8	18·3	42·6	58·0	15·4	44·7	60·8	16·1
19	29·0	43·7	14·7	31·5	51·7	20·2	40·8	60·3	19·5	39·0	56·4	17·4	40·4	45·5	5·1	42·7	59·2	16·5
20	24·7	33·0	8·3	33·3	53·2	19·9	41·5	61·3	19·8	41·7	60·2	18·5	39·0	55·5	16·5	42·3	58·6	16·3
21	31·4	50·0	18·6	35·0	54·4	19·4	38·7	58·4	19·7	39·0	57·4	18·4	44·0	61·8	17·8	42·6	59·3	16·7
22	26·8	41·3	14·5	34·7	55·4	20·7	38·6	57·3	18·7	39·8	58·8	18·7	40·6	67·2	17·6	42·5	59·8	17·3
23	29·9	49·7	19·8	32·3	47·8	15·5	37·8	57·3	19·5	38·5	53·6	15·1	43·5	61·3	17·8	44·3	61·3	17·0
24	31·0	51·0	20·0	35·0	53·1	18·1	41·0	59·2	18·2	49·6	66·9	17·3	37·5	49·4	11·9	45·8	63·0	17·2
25	32·2	51·3	19·1	35·0	53·7	18·7	39·4	54·6	15·2	55·3	75·0	19·7	35·8	48·9	13·1	46·0	62·9	16·9
26	28·4	42·2	13·8	33·0	52·2	19·2	46·8	65·7	18·9	35·7	45·0	9·3	35·5	47·0	11·5	46·2	62·7	16·5
27	32·5	52·0	19·5	28·4	43·6	15·2	46·5	66·0	19·5	39·1	57·3	18·2	35·0	48·7	13·7	45·5	61·8	16·3
28	32·5	52·3	19·8	33·0	54·7	21·7	49·5	68·2	18·7	34·0	50·8	16·8	41·7	61·7	20·0	43·5	60·0	16·5
29	37·2	56·8	19·6	—	—	—	47·4	67·0	19·6	31·5	46·5	15·0	39·7	56·9	17·2	43·4	59·8	16·4
30	33·2	51·0	17·8	—	—	—	39·0	51·9	12·9	37·5	56·0	18·5	41·2	58·3	17·1	44·6	60·8	16·2
31	32·7	52·8	20·1	—	—	—	40·8	59·7	18·9	—	—	—	42·6	59·5	16·9	—	—	—
Mean	28·89	44·54	15·65	31·63	48·64	17·01	37·98	56·20	18·22	41·05	58·38	17·33	41·12	57·56	16·45	44·83	61·41	16 59

DAYS OF MONTH	JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
1	45·7	62·0	16·3	47·0	64·0	17·0	48·0	66·3	18·3	40·4	59·5	19·1	38·7	55·8	17·1	34·5	55·1	20·6
2	45·6	62·0	16·4	47·4	65·0	17·6	46·7	65·0	18·3	42·0	60·5	18·5	38·5	53·0	14·5	37·3	57·6	20·3
3	45·6	61·7	16·1	46·7	64·5	17·8	43·6	61·8	18·2	43·0	61·6	18·6	43·7	63·0	19·3	34·0	52·7	18·7
4	44·7	61·4	16·7	47·0	64·8	17·8	42·5	61·5	19·0	42·1	61·0	18·9	—	—	—	33·4	53·7	20·3
5	45·0	61·3	16·3	46·5	64·8	18·3	43·8	61·7	17·9	41·5	60·3	18·8	40·0	59·9	19·9	27·8	31·4	3·6
6	44·7	61·2	16·5	48·1	65·3	17·2	43·8	61·2	17·4	41·5	60·4	18·9	39·3	58·2	18·9	29·5	50·3	20·8
7	46·7	63·0	16·3	48·5	66·3	17·8	43·8	62·0	18·2	41·5	60·9	19·4	38·4	57·9	19·5	24·7	31·0	6·3
8	45·8	62·3	16·5	48·7	66·4	17·7	44·2	62·3	18·1	43·2	62·3	19·1	37·8	58·0	20·2	25·3	45·0	19·7
9	44·0	60·1	16·1	48·4	66·5	18·1	45·0	61·8	16·8	40·3	60·2	19·9	39·4	59·3	19·9	27·2	48·3	21·1
10	43·5	60·0	16·5	45·8	63·5	17·7	44·5	62·4	17·9	40·5	60·4	19·9	40·5	60·2	19·7	27·7	49·0	21·3
11	46·0	62·8	16·8	44·5	62·3	17·8	44·5	62·6	18·1	40·6	60·4	19·8	42·3	51·7	9·4	24·8	28·8	4·0
12	47·4	63·7	16·3	45·5	63·8	18·3	43·0	61·0	18·0	42·0	61·5	19·5	40·5	59·7	19·2	20·0	49·5	20·5
13	46·0	61·8	15·8	46·3	63·6	17·3	41·7	59·7	18·0	43·5	62·7	19·2	40·6	60·4	19·8	29·9	46·4	16·5
14	44·2	60·4	16·2	49·4	66·8	17·4	44·0	62·8	18·8	42·7	62·0	19·3	39·2	58·0	18·8	29·3	43·4	14·1
15	44·5	61·0	16·5	47·6	65·0	17·4	45·2	63·8	18·6	42·0	61·3	19·3	40·2	56·9	16·7	29·0	50·0	21·0
16	45·5	61·3	15·8	49·6	67·0	17·4	42·5	61·0	18·5	40·0	59·5	19·5	37·0	44·3	7·3	29·0	47·7	18·7
17	46·8	62·8	16·0	49·3	68·2	18·9	40·8	60·2	19·4	37·7	57·2	19·5	27·1	30·0	2·9	23·1	28·4	5·3
18	48·2	64·8	16·6	49·2	67·0	17·8	42·8	61·6	18·8	41·2	60·8	19·6	32·5	38·2	5·7	25·7	41·3	15·6
19	47·5	63·4	15·9	48·5	66·5	18·0	43·0	61·3	18·3	41·0	60·5	19·5	22·4	23·0	0·6	16·1	20·0	3·9
20	48·4	64·0	15·6	46·5	64·5	18·0	43·7	61·8	18·1	42·0	61·5	19·5	18·2	22·8	4·6	29·4	49·6	20·2
21	47·4	63·2	15·8	46·5	63·8	17·3	45·3	63·8	18·5	41·5	60·7	19·2	30·7	51·5	20·8	29·4	50·9	21·5
22	49·5	63·0	15·5	46·0	62·9	16·9	43·7	62·3	18·6	35·0	47·1	12·1	32·3	52·2	19·9	21·8	27·7	5·9
23	48·5	64·8	16·3	46·3	63·0	16·7	44·0	62·8	18·8	43·2	63·0	19·8	33·5	53·5	20·0	28·0	48·0	20·0
24	49·5	66·0	16·5	48·0	65·4	17·4	42·2	60·5	18·3	43·0	62·9	19·9	33·7	54·0	20·3	27·0	41·6	14·6
25	48·0	63·9	15·9	46·5	64·8	18·3	42·6	61·2	18·6	37·7	54·8	17·1	31·8	52·5	20·7	28·0	50·0	22·0
26	46·5	62·5	16·0	46·5	65·0	18·5	42·5	60·6	18·1	39·0	58·7	19·7	32·4	52·9	20·5	28·1	49·2	21·1
27	46·5	63·0	16·5	46·3	64·5	18·2	43·0	61·4	18·4	36·0	56·5	20·5	34·8	52·8	18·0	30·9	51·6	21·6
28	46·5	63·0	16·5	47·0	65·5	18·5	42·3	60·0	17·7	30·0	38·8	8·8	33·4	49·7	16·3	30·6	52·2	21·6
29	45·3	62·0	16·7	46·7	64·9	18·2	38·9	57·8	18·9	38·7	57·6	18·9	35·2	44·3	9·1	27·7	42·2	14·5
30	46·8	64·2	17·4	45·5	63·2	17·7	40·5	59·0	18·5	39·0	58·1	19·1	34·6	52·8	18·2	30·7	47·8	17·1
31	46·0	63·0	17·0	48·3	66·3	18·0	—	—	—	40·2	59·8	19·6	—	—	—	30·5	33·4	2·9
Mean	46·33	62·63	16·30	47·23	65·00	17·77	43·40	61·71	18·30	40·39	59·11	18·73	35·47	51·26	15·79	28·34	44·32	15·98

DURATION OF SUNSHINE.

1917.

DAYS OF MONTH	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible	Actual	Possible
	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.
1	4 15	10 13	7 56	10 45	8 50	11 31	9 30	12 28	12 07	13 20	12 52	13 57	12 55	14 03	12 09	13 36	11 31	12 48	8 38	11 54	7 00	11 00	8 33	10 20
2	0 08	10 14	7 50	10 46	9 17	11 33	1 35	12 30	12 25	13 21	12 54	13 57	12 48	14 02	11 06	13 34	10 25	12 46	9 14	11 51	3 26	10 58	8 57	10 20
3	2 45	10 15	8 24	10 48	9 13	11 36	8 40	12 33	11 43	13 23	12 30	13 58	12 24	14 02	11 40	13 34	10 32	12 45	9 12	11 50	9 12	10 57	7 04	10 19
4	0 19	10 15	9 06	10 50	0 15	11 38	10 42	12 34	12 16	13 24	11 52	13 58	12 21	14 02	12 25	13 32	10 36	12 43	9 00	11 48	8 36	10 55	6 18	10 18
5	7 55	10 15	9 15	10 52	5 37	11 39	10 57	12 36	11 50	13 25	12 38	13 59	12 04	14 01	12 14	13 30	10 34	12 40	9 05	11 47	8 44	10 53	7 13	10 17
6	7 08	10 16	9 05	10 53	8 35	11 41	11 14	12 37	10 15	13 27	11 35	14 00	10 52	14 01	12 17	13 29	10 30	12 39	9 18	11 45	8 50	10 52	8 23	10 17
7	9 15	10 17	6 10	10 54	9 15	11 42	11 20	12 39	11 47	13 29	12 30	14 01	12 22	14 01	12 05	13 28	9 29	12 38	9 15	11 42	8 35	10 51	5 28	10 16
8	8 20	10 18	8 53	10 56	9 57	11 44	11 02	12 41	12 28	13 29	12 22	14 01	12 35	13 59	11 39	13 27	9 52	12 36	9 07	11 41	8 55	10 49	3 12	10 16
9	5 57	10 18	8 17	10 57	9 40	11 46	10 25	12 43	12 26	13 31	12 25	14 02	12 30	13 59	11 53	13 25	9 50	12 33	8 28	11 39	8 44	10 48	8 06	10 15
10	8 25	10 19	1 18	10 59	8 13	11 47	10 22	12 45	12 28	13 33	12 42	14 02	12 26	13 58	11 23	13 23	10 00	12 32	8 55	11 38	8 39	10 46	8 31	10 15
11	7 41	10 20	5 15	11 01	2 45	11 50	9 27	12 46	12 14	13 34	12 35	14 02	11 52	13 57	10 35	13 22	10 13	12 30	9 00	11 36	6 54	10 44	1 10	10 14
12	5 20	10 21	4 50	11 03	8 08	11 52	11 00	12 48	12 03	13 35	11 38	14 03	11 27	13 57	11 23	13 20	9 48	12 29	9 09	11 34	7 43	10 43	8 47	10 13
13	3 45	10 22	9 18	11 03	10 05	11 54	10 35	12 50	12 09	13 36	12 18	14 03	11 38	13 55	11 36	13 19	9 09	12 26	8 50	11 33	8 51	10 42	6 48	10 14
14	5 51	10 23	7 45	11 05	8 05	11 55	10 53	12 51	11 53	13 38	12 32	14 04	10 30	13 55	11 42	13 17	10 13	12 25	9 00	11 31	8 35	10 41	8 24	10 13
15	9 00	10 24	3 40	11 07	9 12	11 57	10 50	12 54	12 10	13 39	12 52	14 04	11 52	13 55	11 08	13 15	10 08	12 23	8 13	11 28	8 46	10 39	8 55	10 12
16	9 00	10 25	2 02	11 09	10 03	11 59	10 48	12 55	12 15	13 40	12 28	14 04	11 10	13 54	11 45	13 14	8 40	12 22	8 39	11 27	2 55	10 37	7 37	10 13
17	7 55	10 26	9 15	11 11	10 06	12 01	11 00	12 57	12 30	13 42	12 22	14 05	12 24	13 52	11 46	13 12	7 28	12 19	7 48	11 25	0 00	10 36	3 34	10 12
18	9 21	10 27	8 45	11 12	6 08	12 03	8 00	12 59	8 28	13 43	12 05	14 04	12 21	13 52	11 48	13 11	9 30	12 17	9 15	11 23	1 21	10 35	2 18	10 11
19	7 41	10 28	9 45	11 14	9 40	12 04	10 05	13 00	0 00	13 44	12 38	14 04	11 22	13 50	11 35	13 09	9 28	12 16	8 56	11 22	0 50	10 33	1 18	10 12
20	8 26	10 30	9 42	11 16	9 54	12 06	11 52	13 02	11 20	13 45	12 15	14 04	11 27	13 50	11 13	13 08	9 33	12 15	8 43	11 20	0 00	10 33	7 46	10 11
21	9 07	10 31	9 06	11 18	9 57	12 09	10 45	13 04	12 10	13 46	12 11	14 05	10 58	13 49	11 45	13 06	9 37	12 12	9 00	11 18	8 22	10 32	6 12	10 12
22	4 45	10 31	8 17	11 19	10 02	12 10	11 42	13 05	6 07	13 47	11 14	14 05	12 30	13 48	11 29	13 04	8 54	12 10	8 57	11 17	8 56	10 30	1 50	10 11
23	6 05	10 32	9 11	11 21	10 13	12 12	6 12	13 07	10 20	13 49	10 55	14 04	12 07	13 46	10 21	13 03	9 00	12 09	9 32	11 15	9 05	10 29	7 30	10 12
24	9 12	10 34	9 43	11 23	10 45	12 15	8 07	13 08	12 10	13 49	12 17	14 04	11 09	13 45	10 38	13 01	8 23	12 06	9 14	11 13	9 03	10 28	6 58	10 11
25	9 08	10 35	9 26	11 25	8 35	12 16	7 55	13 10	10 06	13 50	12 48	14 04	10 44	13 44	11 50	13 00	8 55	12 04	9 20	11 12	9 00	10 26	5 50	10 12
26	9 15	10 37	9 30	11 26	9 00	12 18	7 15	13 12	8 20	13 51	12 42	14 05	11 52	13 43	10 14	12 58	8 12	12 03	8 55	11 10	7 17	10 26	9 00	10 11
27	8 55	10 38	8 39	11 28	9 32	12 19	9 45	13 13	2 24	13 52	11 25	14 04	9 55	13 42	10 46	12 57	8 48	12 01	7 58	11 08	8 52	10 25	8 06	10 12
28	9 32	10 40	8 46	11 30	10 20	12 21	8 31	13 15	10 50	13 54	10 24	14 04	9 54	13 41	11 22	12 55	9 00	12 00	7 40	11 06	7 36	10 24	6 00	10 13
29	9 00	10 41	—	—	9 48	12 24	11 45	13 17	12 52	13 54	12 19	14 04	11 21	13 39	11 27	12 52	9 26	11 57	5 57	11 04	6 14	10 23	4 27	10 12
30	4 44	10 43	—	—	7 33	12 25	12 28	13 18	12 34	13 55	12 22	14 03	12 00	13 39	9 51	12 51	9 24	11 56	8 43	11 03	8 22	10 21	3 30	10 13
31	8 34	10 43	—	—	5 58	12 27	—	—	11 26	13 55	—	—	12 00	13 37	10 22	12 49	—	—	7 44	11 02	—	—	2 45	10 14
Mean	6 59	10 26	7 50	11 07	8 32	11 59	9 49	12 54	10 47	13 39	12 13	14 02	11 45	13 52	11 24	13 14	9 34	12 22	8 44	11 27	6 59	10 43	6 09	10 14
Mean percentage	66·9		70·5		71·2		76·1		79·0		86·9		84·7		86·1		77·4		76·3		65·2		60·1	

RAINFALL.

(In millimetres.)

1917.

		14h	20h	8h	Total	Total for month
January	1	—	—	2·0	2·0	—
"	2	0·2	0·8	—	1·0	—
"	3	Drops	Drops	—	0·0	—
"	4	2·2	4·0	3·2	9·4	—
"	9	—	Drops	0·4	0·4	—
"	13	—	Drops	0·1	0·1	—
"	22	0·4	0·1	Drops	0·5	—
"	30	—	Drops	—	0·0	13·4
February	10	—	Drops	1·8	1·8	—
"	11	—	3·0	0·1	3·1	—
"	12	1·3	0·3	—	1·6	—
"	14	—	—	Drops	0·0	—
"	15	Drops	—	—	—	—
"	16	1·0	4·0	—	5·0	—
"	21	—	Drops	—	—	—
"	27	—	—	4·6	4·6	16·1
March	10	Drops	—	—	0·0	—
"	11	Drops	Drops	—	0·0	—
April	2	—	—	Drops	0·0	—
May	22	—	Drops	—	0,0	—
October	26	—	—	Drops	0·0	—
"	27	—	Drops	—	0·0	—
"	29	—	—	Drops	0·0	—
November	17	—	—	Drops	0·0	—
"	19	Drops	0·3	—	0·3	0·3
December	5	Drops	—	—	0·0	—
"	6	—	—	Drops	0·0	—
"	7	Drops	—	—	0·0	—
"	16	—	—	Drops	0·0	—
"	18	3·4	Drops	—	3·4	—
"	19	—	—	Drops	0·0	—
"	22	—	0·4	—	0·4	—
"	24	—	Drops	—	0·0	—
"	31	Drops	—	—	0·0	3·8
	TOTAL	8·5	12·9	12·2	—	33·6

EVAPORATION (in millimetres)

(*See* page VII.)

DAY'S TOTAL FROM 8 h. to 8 h.—Wild Evaporimeter in Screen.

1917

DAYS OF MONTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	1·8	3·5	2·8	7·0	5·7	9·7	10·3	9·2	8·0	5·7	4·2	3·6
2	7·1	5·8	5·1	4·0	6·6	9·6	10·4	9·2	8·2	6·7	4·7	4·2
3	2·0	2·3	3·4	4·2	5·2	9·7	9·7	9·9	7·4	6·5	3·8	4·2
4	0·6	3·0	5·8	4·7	8·5	8·4	9·4	9·0	6·9	5·7	5·4	3·0
5	2·1	4·0	4·2	4·7	7·0	8·6	8·9	9·2	8·3	5·8	6·0	3·2
6	1·7	4·7	3·7	5·6	6·5	9·5	7·4	9·8	7·1	5·2	5·4	3·4
7	2·3	3·3	3·9	6·8	7·1	9·8	8·8	9·4	6·6	5·5	4·2	2·0
8	1·4	3·2	5·6	6·0	8·2	8·2	7·9	10·1	6·6	5·7	4·6	1·5
9	3·1	3·2	4·7	5·8	8·9	10·2	7·5	9·6	7·5	5·0	5·6	1·4
10	1·4	1·4	5·4	8·4	9·6	11·3	7·1	7·4	6·4	5·0	4·2	3·0
11	2·1	5·1	4·5	7·2	8·9	11·7	7·9	7·8	5·8	5·1	4·9	3·2
12	1·8	1·8	4·3	5·8	7·6	9·0	9·4	8·2	5·6	5·0	5·1	3·1
13	2·7	1·8	3·0	7·0	6·9	9·5	8·6	7·8	5·4	4·8	5·9	2·5
14	2·3	2·0	4·1	8·5	7·2	10·5	9·2	9·8	6·2	5·2	4·6	3·0
15	3·4	3·6	5·2	7·9	7·2	13·2	8·2	10·3	6·5	5·2	4·4	1·9
16	3·6	1·0	3·5	7·9	4·9	13·6	8·8	11·6	6·7	4·4	4·0	3·1
17	1·7	2·6	7·9	7·0	8·0	9·7	9·9	10·8	7·0	4·4	2·8	4·1
18	2·4	3·2	7·0	7·3	10·0	9·6	9·7	12·0	8·7	3·9	3·1	0·8
19	1·9	3·0	6·2	6·0	11·2	8·7	9·8	8·1	8·2	4·9	3·0	0·6
20	3·6	3·2	5·6	6·2	7·0	7·9	9·7	8·4	6·3	5·6	2·4	2·0
21	2·9	3·7	5·2	5·7	9·3	8·9	9·3	8·8	7·3	5·3	2·9	1·4
22	3·2	3·6	6·4	5·4	9·6	8·6	11·6	7·7	6·2	4·7	2·1	2·1
23	1·8	2·2	4·9	7·8	9·7	8·6	10·2	7·2	6·2	5·1	3·9	2·0
24	2·2	3·4	8·6	11·4	7·0	9·2	9·8	9·6	5·9	4·2	3·7	1·8
25	2·7	3·7	9·2	9·5	6·2	10·4	9·5	8·7	5·9	4·5	2·6	2·6
26	2·0	3·6	7·5	9·0	5·1	9·6	11·1	8·5	5·9	4·6	3·4	1·9
27	2·9	2·8	9·4	7·2	3·6	9·6	8·1	8·6	4·9	2·0	4·4	2·6
28	2·4	2·5	8·2	5·4	7·4	7·8	8·0	9·8	6·8	2·8	4·8	2·8
29	5·1	—	7·0	6·0	7·2	7·6	7·4	8·0	5·5	3·1	3·8	2·7
30	4·1	—	7·0	5·7	7·2	9·8	9·7	8·6	6·1	4·0	4·5	3·2
31	2·4	—	9·1	—	8·2	—	8·9	9·7	—	4·4	—	2·0
Mean	2·60	3·11	5·75	6·70	7·51	9·62	9·10	9·12	6·67	4·84	4·15	2·55

MISCELLANEOUS PHENOMENA.

1917.

January	2.	♊² 12^{30}—17^{30}. Max. vel. 78 k. h.
"	14.	< 7^{50} ⊤ 7^{53} and 8^{50}
"	21.	♊ 11^{40}—16^{h}.
"	22.	♊ 15^{h}. ⌒ S.E. 17^{04}. < E. 18^{45}
"	29.	♊ 11^{20}—16^{h}.
"	30.	♊ p.
February	1.	♍ 18^{45}
"	5.	♍ 19^{45}
"	11.	♐ 17^{20}—19^{30} ▲ 17^{30} ♊² 20^{h}. Max. vel. 70 k. h.
"	16.	⌒ N.E. 14^{10}
March	3.	♍ 19^{h}.
"	4.	♊ 10^{15}—14^{30}
"	10.	♊ 12^{h}.—18^{h}.
"	11.	♊² a. and p.
"	26.	∞ a. and p. ⊕ 15^{h}.
"	28.	∞ a. and p.
"	29.	⊕ 12^{05} ♍ 20^{h}.
"	30.	⊕ 14^{h}. ♍ 20^{h}.
"	31.	♍ 20^{h}.
April	2.	♍ 20^{h}.
"	17.	♊ 17^{h}.
"	24.	♊ a. and p.
"	25.	♊ a. and. p.
"	26.	♊² p.
May	19.	♊² all day. Max. vel. 76 k. h.
"	22.	♊ 16^{h}—18^{h}.
June	23.	♊ 13^{30}
November	8.	♊ 11^{h}.
"	10.	< N.E. 18^{14}
"	28.	⊕ 11^{55}—13^{45}
"	29.	⊕ 10^{15}—11^{30}
December	3.	⊕ 9^{30}—10^{25}
"	8.	⊕ 11^{50}
"	17.	⊕ 11^{54}
"	18.	⌒ N.W. 9^{40}, N. 12^{42} ♐ 10^{45}—10^{56} ⊤ 12^{04}—12^{30}
"	21.	♍ 19^{40}

CLIMATOLOGICAL FACTORS.

TEMPERATURE.

1917.

MONTHS	Mean Temperature for 24 h.	Mean for Three Hours 8	14	20	Non Periodic Diurnal Range Mean Maxim.	Mean Minim.	Range	Hottest Day Mean Temperature.	Coldest Day Mean Temperature.	Range	Absolute Monthly Range Absol. Maxim.	Date	Absol. Minim.	Date	Range	Mean Diurnal Variability.
December 1916	16·7	13·7	21·4	17·2	22·5	12·2	10·3	19·4	13·3	6·1	25·4	16	7·7	31	17·7	0·9
January 1917	14·0	10·7	18·7	14·6	10·7	9·4	10·3	18·7	11·4	7·3	26·8	29	6·2	8	20·6	1·1
February „	14·9	11·3	19·7	15·4	21·0	9·8	11·2	19·2	12·1	7·1	27·7	8	7·1	19	20·6	1·2
March „	18·8	15·1	24·8	19·6	26·3	12·3	14·0	28 9	13·4	15·5	38·5	28	6·4	1	32·1	2·0
April „	21·8	18·5	27·9	22·6	29·6	15·7	13·9	34·9	17·1	17·8	43·8	25	11·2	30	32·6	2·2
May „	22·8	20·6	28·5	24·2	30·3	16·1	14·2	30·4	17·6	12·8	38·9	22	10·9	1	26·0	1·4
June „	26·2	22·4	32·0	28·2	33·7	19·3	14·4	34·2	23·8	10·4	42·8	16	17·0	5	25·8	1·2
July „	27·5	23·4	33·4	29·8	34·0	20·9	14·0	29·5	25·7	3·8	37·8	22 and 24	19·0	31	18·8	0·6
August „	28·0	23·9	34·1	30·5	35·5	21·6	13·9	30·4	26·4	4·0	38·8	17	20·2	22	18·6	0·6
September „	24·7	22·3	30·2	25·8	31·3	19·5	11·8	28·4	21·6	6·8	36·6	1	17·1	22 and 30	19·5	0·7
October „	22·4	20·3	27·7	23·0	28·8	17·5	11·3	24·6	19·0	5·6	32·6	23	14·8	28	17·8	0·8
November „	21·1	18·9	25·8	21·0	27·1	16·8	10·3	25·6	15·1	10·5	33·6	3	9·2	21	24·4	1·3
December „	14·3	11·7	18·6	14·8	20·0	9·1	10·9	19·2	10·1	9·1	27·3	3	4·7	9	22·6	1·3
Civil year.	21·4	18·3	26·8	22·5	28·2	15·7	12·5	34·9	10·1	24·8	43·8	April 25th	4·7	Dec. 9th	39·1	1·2
Meteor. year.	21·6	18·4	27·0	22·7	28·4	15·9	12·5	April 25th	Dec. 8th	—	—	—	—	—	—	1·2

NOTES.— Mean diurnal variability $= \frac{(t_1-t_2) + (t_2-t_3) \ldots\ldots + (t_n-t_{n+1})}{n}$ without regard to the sign of (t_1-t_2), etc.

where t_1 is temperature on the 1st day
t_2 „ „ 2nd day
t_n „ „ last day
t_{n+1} „ „ 1st day of following month.

HUMIDITY, RAIN, CLOUD, SUNSHINE, EVAPORATION, WIND, PRESSURE.

MONTHS	Vapour Pressure Mean mm.	Relative Humidity 8	14	20	Mean*	Rain Amount mm.	N° of rainy days	Cloudiness 0—10	Duration of Sunshine Total Hours	Percentage of Possible	Evaporation mm.	Mean Wind Velocity Kilometres per hour.	Mean Wind Direction degrees E of N	Standard Pressure Mean mm. 700 +
December 1916	8·3	73	44	56	61	6·1	3	3·2	230·8	72·8	76	11·4	32	52·4
January 1917	6·8	70	43	55	59	13·4	6	3·5	216·7	66·9	81	13·7	135	51·5
February „	6·4	69	35	50	53	16·1	5	3·4	219·2	70·5	87	14·3	28	51·8
March „	6·4	58	23	38	43	Drops	0	3·5	264·6	71·2	178	19·0	23	50·7
April „	7·5	60	23	37	44	Drops	0	2·9	294·7	76·1	201	19·5	14	50·0
May „	7·8	54	22	34	42	Drops	0	2·6	334·1	79·0	235	19·3	15	49·5
June „	10·6	69	24	32	47	0·0	0	0·4	366·3	86·9	288	20·0	356	48·4
July „	12·7	73	25	35	51	0·0	0	0·6	364·1	84·7	282	15·6	351	45·8
August „	13·7	77	23	37	54	0·0	0	0·6	353·4	86·1	283	15·7	346	45·8
September „	13·0	74	34	49	59	0·0	0	0·8	287·1	77·4	200	17·5	356	48·6
October „	11·6	76	35	53	61	Drops	0	1·3	270·8	76·3	150	16·4	16	51·5
November „	10·1	64	38	56	55	0·3	1	3·6	209·4	65·2	124	19·3	38	52·2
December „	6·6	66	42	51	56	3·8	2	4·5	190·7	65·1	79	13·9	52	52·6
Civil year.	9·4	63	31	44	52	33·6	14	2·3	3371·1	75·0	2186	17·3	144	49·9
Meteor. year.	9·6	68	31	44	52	35·9	15	2·2	3411·2	76·1	2183	17·1	142	49·9

* These are true means, *see* page VII.

NOTES.—Minimum vapour pressure ... ... 0·6 mm. April 10, at 15h and 16h.
Maximum „ „ ... ... 20·3 mm. July 25, at 9h.
Minimum relative humidity ... ... 2 April 10, at 15h and 16h.
Maximum „ „ ... ... 100 January 5 and 8, at 2h and 5h.
Of the rainfall ... ... 9·4 mm. fell on January 4.
Maximum evaporation ... ... 13·6 mm. June 16.
Minimum standard pressure ... ... 740·3 mm. May 19, at 17h.
Maximum „ „ ... ... 757·8 mm. December 10, at 10h.

TERRESTRIAL MAGNETISM.

Hourly Deviations from the Mean for each Month.

DECLINATION (Westerly).

(The unit is one minute of arc).

Month	Hours of observation. 0	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Midnt.	Number of days utilised	Mean
1917																											
January	−1·1	−0·9	−0·6	−0·4	0·0	+0·2	+0·1	−0·2	−1·1	−1·7	−0·4	+1·8	+2·6	+2·1	+1·1	+0·6	+0·3	+0·4	+0·4	−0·2	−0·4	−0·7	−0·8	−0·8	−0·8	30	1°50′·2
February	−0·8	−0·7	−0·5	−0·3	0·0	+0·2	+0·3	−0·1	−1·4	−2·3	−2·2	−0·8	+1·2	+2·2	+2·3	+1·9	+1·2	+0·9	+0·7	+0·3	0·0	−0·3	−0·5	−0·6	−0·7	27	1 49·1
March	−0·5	−0·4	−0·4	−0·3	−0·3	−0·3	−0·4	−1·5	−2·6	−2·6	−1·4	+0·5	+2·2	+2·9	+2·6	+1·6	+0·7	+0·5	+0·9	+0·7	0·0	−0·2	−0·4	−0·6	−0·5	31	1 48·7
April	−0·5	−0·6	−0·6	−0·5	−0·5	−0·5	−1·1	−2·5	−3·5	−3·4	−1·7	+0·8	+2·7	+3·7	+3·6	+2·7	+1·6	+0·9	+0·7	+0·6	+0·2	−0·1	−0·3	−0·5	−0·7	30	1 46·5
May	−0·6	−0·6	−0·7	−0·7	−0·6	−1·1	−2·3	−3·1	−3·1	−2·0	−0·4	+1·4	+2·7	+3·2	+2·9	+2·4	+1·7	+0·9	+0·2	+0·2	+0·2	−0·1	−0·2	−0·4	−0·5	31	1 45·7
June	−0·5	−0·4	−0·5	−0·5	−0·7	−1·1	−2·8	−4·2	−4·3	−3·5	−1·6	+0·6	+2·3	+3·4	+3·9	+3·9	+3·1	+2·0	+0·9	+0·6	+0·4	+0·1	−0·1	−0·4	−0·5	30	1 46·0
July	−0·4	−0·8	−0·8	−1·0	−1·0	−1·3	−3·1	−3·8	−3·9	−3·0	−0·8	+1·4	+2·8	+3·4	+3·7	+3·2	+2·1	+1·1	+0·6	+0·6	+0·5	+0·2	−0·1	−0·5	−0·5	28	1 45·0
August...	−0·6	−0·7	−0·4	−0·8	−0·9	−1·2	−2·5	−4·0	−4·3	−2·7	0·0	+2·4	+3·9	+4·6	+4·4	+3·1	+1·7	+0·3	−0·2	−0·1	0·0	−0·2	−0·3	−0·4	−0·5	21	1 44·0
September	−0·7	−0·9	−0·9	−0·8	−0·3	−1·0	−1·9	−3·5	−4·2	−2·9	−0·1	+2·3	+3·9	+4·1	+3·5	+2·1	+1·1	+0·6	+1·0	+0·8	+0·1	−0·1	−0·3	−0·5	−0·7	30	1 44·9
October	−1·0	−0·7	−0·5	−0·4	0·0	−0·1	−0·2	−1·9	−3·4	−3·2	1·5	+0·6	+2·5	+3·2	+2·8	+1·9	+1·3	+1·2	+1·2	+0·3	−0·2	−0·5	−0·7	−1·0	−1·0	31	1 44·0
November	−0·8	−0·7	−0·4	−0·1	+0·1	+0·3	+0·2	−0·4	−1·5	−2·1	−1·6	+0·1	+1·4	+1·9	+1·8	+1·5	+1·2	+1·2	+0·8	−0·1	−0·5	−0·7	−0·9	−1·1	−0·9	30	1 42·3
December	−1·2	−0·9	−0·7	−0·2	+0·1	+0·4	+0·3	+0·5	+0·1	−0·7	−1·1	−0·3	+0·6	+1·2	+1·3	+0·9	+0·7	+0·7	+0·5	−0·1	−0·3	−0·6	−0·9	−1·1	−1·0	30	1 41·5
Mean	−0·8	−0·7	−0.6	−0·5	−0·4	−0·5	−1·2	−2·1	−2·8	−2·5	−1·1	+0·9	+2·4	+2·9	+2·8	+2·1	+1·5	+0·9	+0·6	+0·3	0·0	−0·3	−0·5	−0·7	−0·7	29	1°45′·7

Positive values of the deviation signify that the westerly declination is greater than the mean.

HORIZONTAL INTENSITY.

(The unit = 1 γ = 10^{-5} C.G.S. units).

Month	Hours of observation. 0	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Midnt.	Number of days utilised	Mean
1917																											γ
January	− 4	− 5	0	− 1	−2	+4	+5	+ 6	+ 5	− 1	− 4	+ 4	+11	+13	+ 7	− 1	− 6	− 7	− 6	− 4	− 7	− 3	− 1	−4	−1	29	29980
February	− 7	− 3	−5	−4	−3	0	+3	+ 6	+10	+10	+10	+10	+ 9	+ 9	+ 5	+ 1	− 3	− 7	− 6	− 6	− 8	− 9	− 5	−4	−4	27	29989
March	− 8	− 7	−8	−8	−6	−5	−3	− 4	− 3	+ 3	+13	+22	+29	+31	+28	+16	− 1	−12	−14	−14	−12	−13	− 8	−8	−8	31	29996
April	− 5	− 6	−7	−5	−5	−4	−4	− 7	− 5	+ 1	+11	+21	+29	+31	+21	+10	− 1	−10	−14	−12	−10	−10	− 9	−8	−6	30	29957
May	−10	− 7	−7	−6	−6	−6	−8	−12	−11	− 4	+11	+24	+36	+39	+33	+20	+ 5	− 8	−14	−15	−12	−10	−11	−9	−9	31	29956
June	− 9	− 9	−9	−6	−6	−5	−4	−10	−12	− 8	+ 5	+19	+29	+31	+28	+19	+ 6	− 8	−15	−14	−10	− 8	− 8	−8	−9	30	29960
July	− 8	− 7	−6	−5	−4	−2	−2	− 8	−11	− 8	0	+14	+27	+31	+28	+15	+ 2	− 7	−10	−11	− 8	− 6	− 7	−8	−9	28	29957
August...	− 5	− 2	−5	−2	−3	−3	−5	−15	−22	−22	−11	+11	+25	+32	+32	+23	+ 9	− 6	−11	−11	− 5	− 6	− 5	−5	−2	22	29942
September	− 5	− 5	−5	−5	−4	−3	−4	−13	−22	−19	− 6	+10	+24	+33	+34	+23	+10	− 3	−10	− 9	− 7	− 7	− 7	−3	−6	30	29962
October	− 6	− 5	−1	−3	0	+1	+2	+ 1	− 3	− 1	+ 8	+20	+25	+21	+14	+ 2	−10	−13	−11	− 8	− 8	−10	− 9	−7	−6	31	29960
November	− 7	− 6	−4	−4	−1	+2	+7	+10	+10	+12	+16	+17	+20	+12	+ 3	− 4	− 9	−12	−11	− 9	−11	− 9	− 7	−7	−7	30	29953
December	− 7	−10	−6	−6	−5	0	+3	+11	+19	+20	+18	+20	+15	+ 8	+ 3	− 4	− 8	−12	−10	−10	−12	−11	−10	−5	−4	30	29946
Mean	− 7	− 6	−5	−4	−4	−2	−1	− 3	− 4	− 1	+ 6	+16	+23	+24	+20	+10	0	− 9	−11	−10	− 9	− 8	− 7	−6	−6	29	29963

Positive values of the deviation signify that the horizontal intensity is greater than the mean.

TERRESTRIAL MAGNETISM.

Hourly Deviations from the Mean for each Month.

VERTICAL INTENSITY.

(The unit=1 γ =10^{-5} C.G.S. units).

Month	Hours of observation. 0	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Midnt.	Number of days utilised	Mean
1917																											γ
January	+4	+2	+1	+2	+2	+2	+2	+3	+3	−1	−10	−16	−11	−4	0	+2	+3	+3	+3	+3	+4	+3	+3	+4	+3	30	26095
February	+4	+4	+5	+4	+4	+4	+4	+5	+4	+2	−5	−14	−16	−13	−6	−2	+1	+3	+2	+4	+4	+5	+4	+4	+4	27	26072
March	+5	+6	+6	+7	+6	+6	+6	+8	+4	−7	−17	−22	−19	−12	−4	+2	+5	+4	+2	+4	+5	+5	+4	+5	+5	31	26078
April	+4	+5	+6	+5	+5	+5	+7	+8	+4	−7	−18	−22	−19	−11	−3	+1	+4	+4	+2	+1	+2	+3	+3	+4	+3	30	26047
May	+4	+5	+4	+4	+5	+6	+8	+5	−2	−10	−19	−21	−18	−10	−4	+1	+5	+7	+5	+2	+2	+3	+4	+4	+5	31	26051
June	+6	+7	+7	+6	+6	+9	+11	+7	0	−8	−17	−22	−21	−16	−10	−3	+3	+7	+7	+4	+4	+5	+5	+5	+6	25	26062
July	+5	+6	+6	+6	+6	+7	+9	+6	+1	−9	−19	−23	−19	−14	−8	−1	+5	+7	+6	+4	+4	+4	+5	+5	+6	31	26061
August...	+4	+5	+5	+4	+5	+6	+9	+7	+1	−11	−20	−23	−20	−15	−6	+2	+7	+8	+6	+3	+3	+4	+4	+4	+4	29	26092
September	+6	+4	+4	+4	+4	+5	+8	+10	+5	−8	−20	−21	−17	−11	−5	+1	+4	+3	+2	+3	+3	+4	+5	+4	+6	30	26088
October	+6	+5	+4	+5	+4	+4	+6	+9	+4	−7	−16	−19	−17	−10	−2	+3	+3	+2	+3	+3	+4	+6	+6	+5	+6	31	26089
November	+6	+3	+4	+4	+4	+4	+3	+4	+3	−3	−11	−18	−16	−9	−2	+1	+3	+4	+4	+4	+5	+5	+5	+5	+5	30	26077
December	+4	+2	+1	+2	+2	+1	+1	−2	−2	−2	−6	−14	−13	−8	−3	+1	+3	+4	+4	+4	+4	+5	+5	+4	+4	30	26094
Mean	+4	+4	+4	+4	+4	+4	+6	+5	+2	−6	−15	−20	−18	−12	−5	0	+3	+4	+3	+3	+3	+4	+4	+4	+4	30	26076

Positive values of the deviation signify that the vertical intensity is greater than the mean.

INCLINATION.

(The unit is one minute of arc).

Month	Hours of observation. 0	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Midnt.	Mean
1917																										
January	+0·5	+0·4	+0·1	+0·2	+0·3	−0·1	−0·1	−0·1	−0·1	0·0	−0·4	−1·3	−1·3	−1·0	−0·4	+0·2	+0·6	+0·6	+0·6	+0·5	+0·6	+0·4	+0·3	+0·5	+0·3	41° 2′·2
February	+0·7	+0·4	+0·6	+0·5	+0·4	+0·3	+0·1	0·0	−0·3	−0·4	−0·9	−1·5	−1·5	−1·3	−0·7	−0·2	+0·2	+0·6	+0·5	+0·6	+0·7	+0·8	+0·5	+0·5	+0·5	0·2
March	+0·8	+0·8	+0·8	+0·9	+0·7	+0·7	+0·5	+0·7	+0·4	−0·6	−1·9	−2·7	−2·9	−2·6	−1·9	−0·8	+0·4	+0·9	+0·9	+1·0	+1·0	+1·0	+0·7	+0·8	+0·8	0·2
April	+0·5	+0·6	+0·8	+0·6	+0·6	+0·5	+0·6	+0·9	+0·5	−0·5	−1·8	−2·6	−2·9	−2·5	−1·4	−0·5	+0·3	+0·8	+0·9	+0·7	+0·7	+0·8	+0·7	+0·7	+0·5	0·4
May	+0·9	+0·8	+0·8	+0·7	+0·8	+0·8	+1·1	+1·1	+0·6	−0·3	−1·7	−2·6	−3·2	−2·8	−2·0	−1·0	+0·1	+1·0	+1·2	+1·1	+0·9	+0·8	+1·0	+0·9	+1·0	0·6
June	+0·9	+0·9	+0·9	+0·7	+0·7	+0·9	+0·9	+1·0	+0·7	−0·1	−1·4	−2·5	−3·0	−2·8	−2·3	−1·3	−0·2	+0·9	+1·3	+1·0	+0·8	+0·7	+0·7	+0·7	+0·9	1·2
July	+0·8	+0·8	+0·7	+0·6	+0·6	+0·6	+0·7	+0·8	+0·7	−0·1	−1·3	−2·3	−2·8	−2·7	−2·1	−1·0	+0·2	+0·8	+1·0	+0·9	+0·7	+0·6	+0·7	+0·8	+0·9	1·3
August...	+0·5	+0·4	+0·6	+0·3	+0·5	+0·5	+0·8	+1·3	+1·3	+0·5	−0·7	−2·2	−2·8	−2·8	−2·2	−1·2	−0·1	+0·8	+1·0	+0·8	+0·5	+0·6	+0·5	+0·5	+0·3	4·2
September	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·8	+1·5	+1·6	+0·6	−0·9	−1·9	−2·4	−2·5	−2·2	−1·1	−0·2	−0·4	+0·7	+0·8	+0·7	+0·7	+0·8	+0·5	+0·8	2·7
October...	+0·7	+0·6	+0·2	+0·4	+0·2	+0·1	+0·2	+0·5	+0·4	−0·5	−1·6	−2·4	−2·6	−1·9	−1·0	0·0	+0·7	+0·8	+0·8	+0·6	+0·6	+0·9	+0·9	+0·7	+0·7	3·0
November	+0·8	+0·5	+0·4	+0·4	+0·2	+0·1	−0·2	−0·4	−0·4	−0·9	−1·7	−2·2	−2·2	−1·3	−0·3	+0·2	+0·7	+0·9	+0·8	+0·7	+0·9	+0·8	+0·7	+0·7	+0·7	2·6
December	+0·6	+0·7	+0·4	+0·4	+0·4	0·0	−0·1	−0·8	−1·2	−1·3	−1·4	−2·1	−1·8	−1·0	−0·4	+0·3	+0·6	+0·9	+0·8	+0·8	+0·9	+0·9	+0·9	+0·5	+0·5	4·1
Mean	+0·7	+0·6	+0·6	+0·5	+0·5	+0·4	+0·4	+0·5	+0·3	−0·3	−1·3	−2·2	−2·5	−2·1	−1·4	−0·5	+0·3	+0·7	+0·9	+0·8	+0·7	+0·7	+0·7	+0·6	+0·7	41° 1′·9

Positive values of the deviation signify that the inclination is greater than the mean.

TERRESTRIAL MAGNETISM.

Hourly Deviations from the Mean for each Month.

NORTHERLY COMPONENT OF THE MAGNETIC INTENSITY.

(The unit = 1 γ = 10^{-5} C.G.S. units.)

Month	Hours of observation.																									Mean
	0	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Midnt.	
1917																										γ
January	−4	−5	0	−1	−2	+4	+5	+6	+5	−1	−4	+3	+10	+12	+6	−2	−7	−7	−7	−4	−7	−3	−1	−4	−1	29965
February	−7	−3	−5	−4	−3	0	+3	+6	+11	+11	+11	+10	+9	+8	+4	0	−3	−7	−6	−6	−8	−9	−5	−4	−4	29974
March	−8	−7	−8	−8	−6	−5	−3	−3	−2	+4	+13	+22	+28	+30	+27	+15	−1	−12	−14	−14	−12	−13	−8	−7	−8	29981
April	−4	−6	−6	−4	−4	−4	−3	−6	−4	+2	+12	+21	+29	+31	+21	+10	−1	−10	−13	−12	−10	−10	−8	−8	−6	29942
May	−10	−7	−7	−6	−6	−6	−8	−11	−10	−4	+11	+23	+35	+38	+32	+19	+5	−8	−15	−15	−12	−10	−11	−9	−9	29942
June	−8	−8	−8	−5	−5	−4	−3	−8	−10	−6	+6	+20	+29	+31	+28	+19	+6	−7	−15	−13	−9	−7	−7	−7	−8	29945
July	−8	−7	−6	−5	−4	−2	−1	−7	−10	−7	0	+13	+27	+30	+27	+14	+2	−7	−10	−11	−8	−6	−7	−8	−9	29943
August	−4	−1	−4	−1	−2	−1	−3	−13	−20	−20	−10	+11	+25	+31	+31	+23	+9	−5	−10	−10	−4	−5	−4	−4	−1	29927
September	−5	−5	−5	−5	−4	−3	−4	−12	−21	−18	−6	+10	+23	+32	+33	+22	+10	−3	−10	−10	−7	−7	−7	−3	−6	29948
October	−6	−5	−1	−3	0	+1	+2	+2	−2	0	+9	+20	+24	+21	+13	+1	−1	−13	−11	−8	−8	−10	−9	−7	−6	29946
November	−7	−6	−4	−4	−1	+2	+7	+10	+10	+12	+16	+17	+19	+11	+2	−5	−10	−13	−12	−9	−11	−9	−7	−7	−7	29940
December	−6	−10	−6	−6	−5	0	+3	+11	+19	+20	+18	+20	+15	+8	+3	−4	−8	−12	−10	−10	−12	−11	−10	−5	−4	29933
Mean	−7	−6	−5	−5	−4	−2	−1	−2	−3	−1	+6	+16	+23	+23	+19	+9	−1	−9	−11	−10	−9	−9	−7	−6	−6	29949

Positive values of the deviation signify that the northerly component is greater than the mean.

WESTERLY COMPONENT OF THE MAGNETIC INTENSITY.

(The unit = 1 γ = 10^{-5} C.G.S. units.)

Month	Hours of observation.																									Mean
	0	1	2	3	4	5	6	7	8	9	10	11	Noon.	13	14	15	16	17	18	19	20	21	22	23	Midnt.	
1917																										γ
January	−10	−8	−5	−4	0	+2	+1	−2	−10	−15	−4	+16	+23	+19	+10	+5	+2	+3	+3	−2	−4	−6	−7	−7	−7	961
February	−8	−7	−5	−3	−1	+1	+2	−1	−12	−20	−19	−7	+10	+19	+20	+16	+10	+7	+5	+2	−1	−3	−5	−6	−7	952
March	−5	−4	−4	−4	−4	−3	−4	−14	−23	−23	−12	+4	+19	+26	+23	+14	+5	+3	+7	+5	−1	−3	−4	−6	−5	949
April	−5	−6	−6	−5	−5	−5	−10	−22	−31	−30	−15	+8	+24	+33	+32	+24	+14	+7	+6	+5	+1	−1	−3	−5	−6	928
May	−6	−6	−6	−6	−5	−10	−20	−27	−27	−18	−3	+13	+25	+29	+26	+21	+15	+7	+1	+1	+1	−1	−2	−4	−5	921
June	−5	−4	−5	−5	−7	−10	−25	−37	−38	−31	−14	+5	+21	+30	+35	+34	+27	+17	+7	+4	+3	0	−1	−4	−5	924
July	−3	−6	−6	−8	−8	−11	−26	−33	−33	−26	−6	+13	+26	+31	+34	+29	+19	+10	+6	+6	+5	+2	0	−4	−4	914
August	−6	−6	−4	−7	−8	−11	−22	−36	−38	−24	−1	+21	+34	+41	+39	+27	+15	+2	−2	−2	0	−2	−3	−4	−5	906
September	−6	−8	−8	−7	−7	−9	−17	−31	−37	−26	−1	+20	+35	+37	+32	+19	+10	+5	+9	+7	+1	−1	−3	−4	−6	914
October	−9	−6	−4	−3	0	−1	−1	−16	−29	−28	−13	+6	+23	+29	+25	+17	+11	+10	+10	+3	−2	−4	−6	−9	−9	906
November	−7	−6	−3	−1	+1	+3	+2	−3	−13	−18	−13	+2	+13	+17	+16	+13	+10	+10	+7	−1	−4	−6	−8	−10	−8	891
December	−11	−8	−6	−2	+1	+4	+3	+5	+1	−5	−9	−2	+6	+11	+11	+8	+6	+6	+4	−1	−3	−6	−8	−10	−9	884
Mean	−7	−6	−5	−5	−4	−4	−10	−18	−24	−22	−9	+8	+21	+27	+25	+19	+12	+7	+5	+2	−1	−3	−4	−6	−7	921

Positive values of the deviation signify that the westerly component is greater than the mean.

TERRESTRIAL MAGNETISM.

DECLINATION (Westerly).

Daily Means.

1° +

1917

(The unit is one minute of arc).

DAYS	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	′	′	′	′	′	′	′	′	′	′	′	′
1	50·6	49·4	48·9	46·9	45·6	46·4	45·5	—	45·9	43·8	42·3	41·8
2	50·7	49·5	49·1	46·6	45·5	46·0	45·7	—	45·3	44·2	42·5	42·0
3	50·8	49·6	49·2	46·6	45·3	46·5	45·1	44·5	45·0	43·4	42·4	41·7
4	48·5*	49·3	49·7	46·6	45·3	45·9	45·3	45·0	45·0	43·9	42·5	42·0
5	48·9	49·5	48·2	45·8	45·2	46·4	44·6	44·6	44·6	44·0	42·7	42·0
6	49·6	49·2	48·0	46·5	45·7	46·8	45·6	45·3	43·6	44·7	43·0	41·8
7	49·9	49·6	48·3	46·6	46·0	46·6	45·8	44·9	45·2	44·2	42·9	41·8
8	49·6	48·9	48·3	46·5	46·6	45·6	45·1	44·7	44·9	44·8	42·8	41·7
9	49·5	49·6	48·4	46·8	45·7	46·2	45·5	42·3*	44·7	44·2	42·7	41·6
10	50·0	49·1	48·7	47·2	46·1	46·3	46·1	42·3*	45·0	44·5	42·6	41·6
11	49·7	49·1	49·0	46·9	45·6	46·3	45·1	44·2	45·1	44·0	42·4	41·8
12	50·0	49·5	48·8	47·2	45·9	46·3	45·0	—	45·4	43·9	42·1	42·0
13	50·0	49·3	48·2	46·9	46·2	46·2	44·7	—	44·6	44·5	42·0	41·5
14	50·4	49·5	48·6	47·1	45·9	45·5	44·8	—	45·2	43·9	41·9	41·6
15	50·5	48·6*	48·6	47·3	45·3	45·9	44·7	—	44·8	43·9	42·0	41·7
16	51·0	48·8	48·5	46·4	44·9	45·6	44·9	—	45·1	44·2	42·2	41·6*
17	50·3	48·9	48·5	46·2	45·4	46·1	44·5	43·7	45·2	44·0	42·4	40·4
18	50·3	48·8	48·8	46·2	45·9	46·6	45·0	44·1	44·8	44·1	42·3	40·5
19	50·5	48·4	48·7	46·1	45·3	46·1	—	44·5	44·8	44·5	42·1	40·6
20	50·7	48·4	48·6	46·5	46·1	46·1	44·6	44·7	44·9	44·4	42·2	41·3
21	50·4	48·8	48·7	46·8	46·4	46·1	45·1	42·2	44·5	44·2	42·2	41·1
22	50·3	48·9	48·5	46·8	46·0	46·7	43·4	43·0	44·8	44·8	42·2	41·3
23	50·2	49·2	49·1	46·8	45·8	46·2	45·2	42·6	45·1	44·8	42·5	41·2
24	50·5	49·1	49·4	46·3	46·7	45·6	—	44·0	44·8	43·9	42·3	41·2
25	50·3	48·9	48·5	46·7	46·1	45·1	45·0	44·2	45·7	43·1	42·1	41·2
26	50·2	49·2	49·1	46·1	45·9	45·1	44·3	43·5	45·5	43·3	41·4	41·2
27	50·0	48·9	48·3	45·9	45·6	45·8	45·5	43·3	45·1	43·8	41·3	40·9
28	50·2	49·2	49·2	46·2	45·4	45·3	44·7	43·8	45·0	43·7	41·8	41·3
29	50·8	—	48·7	46·1	44·8	45·8	43·9	44·1	44·8	42·7	42·1	41·7
30	50·3	—	49·3	46·0	45·3	45·9	44·6	—	44·2	43·0	42·2	41·8
31	50·4	—	49·0	—	45·2	—	—	43·9	—	43·3	—	41·8
Mean	50·2	49·1	48·7	46·6	45·7	46·0	45·0	43·9	45·0	44·0	42·3	41·5

* These days are disturbed.

TERRESTRIAL MAGNETISM.

HORIZONTAL INTENSITY.

Daily Means.

29800 γ +

1917.

(The unit = 1 γ = 10^{-5} C.G.S. units).

DAYS	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	189	187	202	183	159	161	167	—	172	144	144	149
2	189	199	202	179	110	170	169	—	161	155	150	142
3	199	193	217	167	122	177	159	163	144	144	152	145
4	137*	192	213	163	131	144	167	160	151	141	159	150
5	99	188	185	161	139	158	155	163	134	162	163	148
6	—	186	186	151	148	171	168	171	124	162	166	155
7	163	190	194	153	157	173	174	181	138	169	171	158
8	165	181	181	156	157	136	165	152	148	165	167	152
9	169	189	190	137	158	163	163	84*	142	166	171	149
10	175	187	202	157	159	160	178	84*	153	175	164	158
11	178	184	202	165	155	166	170	112	166	164	174	171
12	178	193	199	169	171	165	156	—	174	168	145	159
13	179	195	180	166	165	154	120	—	165	178	138	160
14	176	200	199	179	157	150	136	—	166	166	138	161
15	190	160*	202	174	155	157	147	—	177	165	145	161
16	195	158	198	139	149	160	154	—	176	170	153	113*
17	182	181	203	139	150	160	153	126	169	167	154	88
18	187	168	197	144	166	163	158	146	171	173	152	112
19	197	180	203	144	163	166	—	144	154	180	146	112
20	190	183	212	155	168	174	160	159	154	181	144	141
21	184	195	198	161	175	174	169	90	152	178	151	140
22	179	199	195	166	174	188	131	79	162	181	166	135
23	182	197	196	157	173	162	143	105	170	178	171	145
24	186	192	204	156	177	138	—	126	176	172	160	149
25	185	200	186	161	179	134	160	149	185	123	149	147
26	183	196	186	143	171	149	158	125	181	151	130	135
27	180	199	185	145	157	152	181	140	184	159	135	134
28	189	204	196	162	150	153	168	141	186	151	143	149
29	188	—	193	155	150	154	121	153	177	109	148	160
30	182	—	194	141	151	159	143	166	146	126	152	161
31	185	—	190	—	154	—	—	101	—	141	—	161
Mean	179	188	196	157	156	160	157	137	162	160	153	145

* These days are disturbed.

TERRESTRIAL MAGNETISM.

VERTICAL INTENSITY.

Daily Means.

26000 γ +

1917.

(The unit = 1 γ = 10^{-5} C.G.S. units).

DAYS	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	91	84	76	68	40	—	65	80	89	87	90	90
2	96	82	74	62	44	—	66	77	91	86	90	92
3	94	83	75	61	43	—	64	77	93	89	88	88
4	103*	78	70	57	45	—	60	75	95	90	86	85
5	109	78	76	54	46	—	62	76	96	87	88	91
6	104	75	76	53	43	65	57	74	93	89	84	91
7	106	74	80	50	53	66	53	76	95	84	84	91
8	109	72	78	51	53	68	52	82	96	88	83	88
9	106	69	76	51	54	68	53	89*	94	86	81	86
10	105	70	78	50	54	66	47	86*	92	88	82	82
11	103	72	80	48	53	63	52	89	86	90	79	83
12	109	69	80	47	52	68	54	89	84	89	80	82
13	105	66	83	48	56	67	66	96	90	88	79	82
14	104	64	83	48	64	65	60	110	93	95	77	82
15	105	72*	81	46	60	58	58	104	88	98	79	80
16	100	69	85	52	60	58	58	99	87	95	77	89*
17	100	68	84	48	61	54	58	97	87	94	72	100
18	102	72	81	48	58	60	58	95	83	94	72	102
19	95	68	82	43	48	56	57	100	82	91	74	106
20	94	68	79	44	54	60	60	98	85	88	69	100
21	92	70	80	41	54	62	59	107	86	85	69	104
22	87	70	80	40	44	59	61	106	84	87	68	101
23	85	72	84	40	51	60	61	105	86	87	62	102
24	84	73	80	33	48	66	67	102	81	86	66	101
25	82	70	83	30	48	61	64	97	84	94	72	100
26	86	74	81	40	46	57	64	99	82	93	74	104
27	84	73	79	41	46	59	68	93	86	91	73	105
28	81	75	73	36	47	61	63	94	80	89	76	105
29	82	—	71	36	47	61	72	86	81	90	78	99
30	79	—	72	36	48	64	73	87	89	87	76	98
31	82	—	69	—	51	—	77	89	—	86	—	98
Mean	96	72	78	47	51	62	61	91	88	89	78	94

* These days are disturbed.

MEAN MONTHLY VALUES OF THE MAGNETIC ELEMENTS.

1917.	Declinaiton W.	Dip.	Horizontal intensity, C. G. S. units.	Vertical intensity, C. G. S. units.	Northerly components, C. G. S. units.	Westerly components, C. G. S. units.	Tota intensity, C.G.S. units.
January	1° 50'·2	41° 2·2	0· 29980	0· 26095	0· 29965	0· 00961	0· 39746
February	1 49·1	41 0·2	0· 29989	0· 26072	0· 29974	0· 00952	0· 39737
March	1 48·7	41 0·2	0· 29996	0· 26078	0· 29981	0· 00949	0· 39747
April	1 46·5	41 0·4	0· 29957	0· 26047	0· 29942	0· 00928	0· 39697
May	1 45·7	41 0·6	0· 29956	0· 26051	0· 29942	0· 00921	0· 39698
June	1 46·0	41 1·2	0· 29960	0· 26062	0· 29945	0· 00924	0· 39709
July	1 45·0	41 1·3	0· 29957	0· 26061	0· 29943	0· 00914	0· 39706
August	1 44·0	41 4·2	0· 29942	0· 26092	0· 29927	0· 00906	0· 39715
September	1 44·9	41 2·7	0· 29962	0· 26088	0· 29948	0· 00914	0· 39727
October	1 44·0	41 3·0	0· 29960	0· 26089	0· 29946	0· 00906	0· 39727
November	1 42·3	41 2·6	0· 29953	0· 26077	0· 29940	0· 00891	0· 39715
December	1 41·5	41 4·1	0· 29946	0· 26094	0· 29933	0· 00884	0· 39720
MEAN...	1° 45'·7	41° 1'·9	0· 29963	0· 26076	0· 29949	0· 00921	0· 39720

TERRESTRIAL MAGNETISM.

Description of Principal Magnetic Disturbances during 1917.

In the following table will be found the maximum and minimum values of the magnetic elements during disturbances, and notices of any remarkable features. The selection of days to be included in this list was made by examining the horizontal intensity curves, as these show the largest variations. Disturbed days with a range of more than 100 γ in the horizontal intensity are included.

Westerly declinations are considered positive.

All times given are Helwân local time, *i.e.* two hours five minutes fast on Greenwich.

γ = 0·00001 C.G.S. units.

Horizontal Intensity.	Vertical Intensity.	Declination.
January 4.		
Sudden increase of 23 γ at 7 h. 8 m.	Sudden decrease of 10 γ at 7 h. 8 m.	Sudden decrease of 1′·8 at 7 h. 9 m.
Maximum 0·30038 at 8 h. 20 m.	Maximum 0·26140 at 21 h. 15 m.	Maximum 1° 53′·5 at 13 h. 31 m.
Minimum 0·29775 at 21 h. 30 m.	Minimum 0·26081 at 9 h. 55 m.	Minimum 1° 38′ at 22 h. 49 m.
Range 263 γ.	Range 59 γ.	Range 15′·5.
February 15.		
Maximum 0·30009 at 9 h. 50 m.	Maximum 0·26107 at 20 h. 44 m.	Maximum 1° 52′ at 15 h. 53 m.
Minimum 0·29816 at 20 h. 44 m.	Minimum 0·26061 at 12 h. 6 m.	Minimum 1° 43′ at 22 h. 50 m.
Range 193 γ.	Range 46 γ.	Range 9′.
August 9 and 10.		
Sudden increase of 90 γ at 6 h. 20 m. on August 9.	Sudden decrease of 34 γ at 6 h. 20 m. on August 9.	Sudden decrease of 5′·7 at 6 h. 20 m. on August 9.
Maximum 0·30051 at 6 h. 20 m. on August 9.	Maximum 0·26125 at 1 h. 29 m. on August 10.	Maximum 1° 47′·5 at 11 h. 34 m. on August 10.
Minimum 0·29802 at 9 h. 32 m. on August 9.	Minimum 0·26046 at 11 h. 48 m. on August 9.	Minimum 1° 30′ at 8 h. 23 m. on August 9.
Range 249 γ.	Range 79 γ.	Range 17′·5.
December 16.		
Maximum 0·30011 at 11 h. 23 m.	Maximum 0·26130 at 19 h. 28 m.	Maximum 1° 46′ at 16 h. 56 m.
Minimum 0·29716 at 19 h. 27 m.	Minimum 0·26048 at 11 h. 21 m.	Minimum 1° 30′·5 at 23 h. 35 m.
Range 295 γ.	Range 82 γ.	Range 15′·5.

MONTHLY BULLETINS.

ALEXANDRIA (Kôm el Nadûra).

$\varphi = 31° 11' 36''$ N. $\lambda = 29° 53' 10''$ E. H = 32·0 m. $h_t = 1·7$ m. $h_r = 2·0$ m.

$C_h = +2·9$ mm. **January 1917.**

Date	Standard Pressure (mm.) 8 h. (700 +)	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	57·2	54·2	54·8	19·2	10·4	12·2	18·9	15·8	72	58	80	7·6	9·5	10·7	3	8	10	SW	20	W	34	WNW	33	10·0	3·7
2	52·8	52·7	55·6	16·7	11·7	12·1	15·2	11·1	88	57	75	9·1	7·4	7·4	10	6	9	WNW	34	NNW	30	NNW	31	14·0	1·2
3	57·6	57·3	57·0	18·2	9·2	15·0	17·1	13·3	55	60	96	7·0	8·7	10·8	4	3	10	WNW	30	WNW	31	WSW	29	9·0	2·0
4	54·9	55·0	56·2	16·4	11·9	13·0	15·8	12·0	100	72	90	11·2	9·6	9·3	10	10	10	SW	26	W	13	NNE	5	10·0	1·1
5	59·0	60·3	61·8	18·9	10·9	15·2	17·8	15·2	55	47	54	7·1	7·1	7·0	4	4	4	N	17	NW	18	N	9	Drops	1·3
6	63·8	63·8	64·8	20·1	12·2	14·0	18·9	14·7	66	49	53	7·8	8·0	6·7	9	4	9	Calm	0	Calm	0	Calm	0	Drops	1·0
7	64·0	62·7	63·1	20·2	11·2	15·0	19·2	13·9	57	60	69	7·2	10·0	8·2	2	4	1	Calm	0	Calm	0	Calm	0	0·0	1·2
8	62·5	61·1	61·2	20·2	10·5	12·9	19·0	13·3	82	56	76	9·0	9·1	8·6	0	0	0	Calm	0	Calm	0	Calm	0	0·0	0·9
9	59·3	56·1	57·0	15·9	10·2	11·7	14·8	13·9	69	58	78	7·1	7·2	9·2	0	10	10	SE	6	S	17	SW	28	Drops	2·0
10	61·6	62·3	64·1	21·2	11·1	17·0	18·1	16·7	61	60	53	8·7	9·3	7·5	2	8	7	NW	14	WNW	27	NE	19	Drops	3·0
11	65·1	62·9	62·7	20·0	14·3	15·9	18·0	15·0	68	62	81	9·3	9·5	10·2	3	7	5	N	6	NNE	6	Calm	0	0·0	1·0
12	60·7	58·8	58·2	19·1	11·3	12·0	17·9	17·0	99	62	61	10·3	9·4	8·7	10	9	10	Calm	0	S	11	WSW	17	Drops	2·4
13	61·2	59·8	59·7	20·8	11·2	14·9	20·0	14·2	60	47	66	7·6	8·1	8·0	7	2	6	W	20	WNW	15	Calm	0	0·0	1·0
14	60·5	59·6	61·0	20·4	11·7	15·0	18·9	16·7	80	57	66	10·1	9·2	9·3	0	0	0	Calm	0	NE	8	NE	2	0·0	1·2
15	61·1	60·1	61·2	20·3	14·3	16·2	18·5	15·9	71	57	67	9·8	9·0	9·2	0	0	0	NE	4	NNE	5	NE	7	0·0	1·2
16	60·6	58·8	58·6	21·2	14·2	16·5	18·9	15·7	74	57	74	10·4	9·2	9·8	3	2	2	NE	2	NE	10	NE	7	0·0	2·0
17	57·6	55·2	55·2	22·8	12·0	15·1	22·0	16·1	80	49	87	10·2	9·6	11·9	3	2	0	ENE	2	ENE	7	ENE	10	0·0	1·2
18	55·2	54·7	56·6	22·3	11·7	13·6	21·0	15·2	94	56	76	10·8	10·3	9·8	0	3	0	Calm	0	NW	15	Calm	0	0·0	1·0
19	59·2	57·7	58·9	22·2	11·7	15·2	19·9	16·1	85	65	77	9·5	11·3	10·5	2	2	2	Calm	0	NW	3	Calm	0	Drops	0·8
20	59·1	58·2	58·8	18·4	12·8	14·7	17·9	15·0	74	50	58	9·2	7·7	7·4	4	0	7	S	1	WNW	28	WNW	19	6·0	2·4
21	58·7	55·6	55·3	18·7	9·2	10·0	17·8	15·0	50	58	66	4·8	8·8	8·4	0	6	10	SW	19	W	29	WSW	28	15·0	3·0
22	55·5	57·4	59·5	17·9	10·5	14·9	16·9	14·6	60	62	63	7·6	8·8	7·9	7	4	7	NNW	39	N	38	N	26	2·0	3·7
23	61·0	61·1	61·8	18·5	11·7	13·8	16·0	13·8	59	51	67	6·9	6·9	7·8	4	4	7	N	21	NW	25	NW	11	0·0	2·6
24	62·0	62·1	62·6	19·7	10·2	11·3	17·8	14·0	76	44	64	7·6	6·7	7·6	7	2	4	S	3	Calm	0	Calm	0	0·0	1·4
25	61·4	59·4	59·5	19·7	9·2	11·0	18·2	14·0	81	41	67	8·0	6·4	8·0	0	0	0	SE	14	SSE	14	ESE	11	0·0	2·9
26	60·0	58·1	58·7	20·2	9·3	10·8	19·0	15·9	87	73	70	8·3	11·8	9·4	0	3	2	Calm	0	W	18	NW	11	Drops	1·4
27	59·2	59·4	60·7	20·8	10·2	15·9	20·1	15·0	58	55	59	7·8	9·6	7·5	5	4	0	WNW	21	NNW	27	NW	6	0·0	1·0
28	60·2	58·4	57·7	21·2	11·4	12·9	19·9	14·1	67	43	59	7·4	7·4	7·0	0	0	0	Calm	0	W	6	Calm	0	0·0	2·4
29	53·5	49·2	50·2	27·2	7·7	11·1	25·8	18·0	61	22	62	6·0	5·3	9·5	0	3	5	SE	13	S	18	NW	14	0·0	3·0
30	51·5	49·8	50·8	19·2	11·1	—	19·1	18·0	—	37	61	—	6·0	9·3	10	10	10	SSW	17	WSW	33	WSW	27	0·0	4·0
31	54·4	55·6	57·3	20·2	—	16·0	19·1	15·3	71	61	68	9·6	10·1	8·8	0	0	0	WSW	23	WSW	19	Calm	0	0·0	2·0
Month	59·05	57·98	58·73	19·9	11·2	13·8	18·6	15·0	72	54	69	8·4	8·6	8·8	3·5	3·9	4·7	—	11·4	—	16·3	—	11·3	66·0	1·00

Remarks:—1 ☾ 2 17^h–17^{35}, ☾ ●² 18^{20}–20^{45}, ☾ 18^{25}, ♈ 24^h.—2 ●² 0^{25}–0^{55}, 13^{0}–14^{5}, 22^{0}–23^{0}, 5^{35}–5^{40}, 8^{20}–8^{27}, 8^{30}–8^{40}, 10^{25}–10^{30}, 10^{35}–10^{50}, 11^{40}–11^{45}, ☾ W 7^{30}, ● 7^{30}–7^{35}, 24^h. ° 7^{50}–8^h, 8^{40}–8^{45}, 16^{40}–18^{30}, 22^{35}–23^h ♈ 10^{40}–11^{20}. ♈ ●² 12^{55}–16^{10}. ☾ ●² 19^{32}–19^{45}, 20^{33}–20^{43}.—3 ☾ 0^{40}, 1^h, 1^{15}, 1^{45}, 2^{40}, 3^h, 4^{35}, 5^{10}, 16^{20}–17^{20}, ☾ W 7^{40}, ● ° 9^{15}–9^{25}, ●² 9^{55}–13^{10}. ☾ 20^{15}–24^h.—4 ♈ 1^h–1^{30}, ●² 1^{45}, 8^{10}–8^{20}, 18^{40}–19^{15}, 22^{10}–22^{40}. ♈ 5^{15}. ● 5^{30}–8^h, 11^{35}–11^{40}, ● ° 12^{40}–12^{42}, 13^h–13^{10}, 14^{40}–14^{50}, 19^{40}–20^h.—5 ● ° 12^{7}–12^{10}.—9 ☾ 14^{15}–14^{20}, 15^{10}–15^{15}, 21^{45}–21^{55}, 23^{15}–23^{26}. ♈ 23^{15}.—10 ● ° 15^{5}–15^{10}, 23^{0}–23^{5}, 13^{55}–14^h.—12 ≋ 0^h 10^h, ● ° 17^{5}–17^{7}, 17^{50}–18^h, 19^{10}–19^{12}.—13 ● 0^h–0^{18}, 1^{10}–1^{13}, 3^{45}–3^{50}.—14 ≋ 6^h–8^h.—18 ♎ 0^h–7^h.—20 ● ° 1^{20}–1^{45}, ☾ N 7^{32}, ●² 8^{30}–8^{43}, 8^{47}–10^{30}.—21 ☾ 18^{20}, 18^{35}–19^h, ● ° 19^{35}–19^{45}, 20^{50}–20^{40}, 21^{45}–22^h, ●² 21^h–21^{10}, 22^{25}–22^{40}. ●² 22^{55}–23^{50}.—22 ●² 0^{10}–0^{20}, 0^{45}–0^{55}, 20^{20}–20^{35}, ♈ 1^{30}–6^h. ♈ 10^h, ● ° 20^{50}–21^{5}, 22^{50}–23^h.—26 ☾ 4^h–8^h, ☾ E 16^h–16^{15}.—27 ● ° 3^{10}–3^{15}, 6^{50}–6^{55}–23^{0}–3^{0} ∞.

$C_h = +2·9$ mm. **February 1917.**

Date	Standard Pressure (mm.) 8 h. (700 +)	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	57·6	55·4	55·0	23·9	10·2	12·0	23·0	17·3	58	29	44	6·1	5·9	6·5	8	10	9	SSE	10	SSW	24	S	12	0·0	4·9
2	55·7	56·4	58·0	18·9	11·2	16·5	18·2	16·6	64	50	53	8·9	7·7	7·4	0	0	2	W	35	W	34	WNW	22	0·0	3·0
3	60·4	59·8	62·1	20·4	12·7	16·0	16·0	14·5	72	77	83	9·7	10·4	10·1	2	4	0	W	21	NW	22	Calm	0	Drops	1·0
4	62·5	62·1	61·4	20·9	10·3	13·1	18·8	14·8	86	55	80	9·5	8·8	9·9	4	5	0	Calm	0	NNE	9	ENE	6	0·0	1·0
5	61·5	60·9	61·8	21·9	11·7	14·3	18·2	16·0	74	68	81	8·0	10·6	11·0	0	2	7	Calm	1	NE	10	NE	6	0·0	1·0
6	61·8	60·4	60·5	23·9	13·8	17·0	20·0	16·3	83	76	96	11·0	13·2	13·2	0	0	0	ENE	2	ENE	8	ENE	16	0·0	1·0
7	59·6	58·7	58·6	19·9	11·2	12·2	19·5	17·1	94	62	91	9·8	10·5	13·2	10	10	10	ESE	13	Calm	0	ENE	6	0·0	0·5
8	58·4	58·7	60·6	21·1	11·8	17·0	19·0	17·0	89	77	79	12·8	12·6	11·3	0	8	6	N	5	N	27	NNE	13	0·0	1·5
9	62·1	60·5	60·4	21·4	15·2	17·0	19·0	15·7	69	63	77	9·9	10·4	10·2	0	8	4	NNE	2	NNE	5	Calm	0	0·0	1·5
10	59·1	56·5	56·4	18·8	15·0	16·1	17·5	16·0	71	67	78	9·7	9·9	10·6	10	10	10	N	6	Calm	0	Calm	0	Drops	1·9
11	53·5	52·2	53·1	20·1	12·4	13·5	20·0	15·3	83	63	76	9·5	11·0	9·8	0	4	9	SW	18	WNW	27	Calm	0	12·0	1·0
12	54·6	55·7	57·9	18·4	8·7	9·8	16·4	14·2	91	68	64	8·2	9·4	7·7	10	7	3	E	2	NW	22	NNW	18	24·4	2·0
13	60·0	60·8	61·9	20·6	9·5	13·7	19·8	15·3	82	57	66	9·6	9·8	8·6	7	4	7	WSW	5	WNW	14	NNW	4	0·0	1·2
14	61·3	59·4	58·7	19·9	11·8	13·2	19·5	16·3	75	56	67	8·5	9·5	9·3	4	4	10	SW	14	W	16	Calm	0	Drops	2·1
15	55·7	54·4	56·9	19·9	10·3	14·9	18·7	15·3	57	49	66	7·2	7·3	8·6	7	7	8	S	10	NW	14	NNE	21	Drops	2·4
16	59·0	59·5	61·1	17·4	12·2	14·9	15·3	14·0	58	57	56	7·3	7·3	6·6	10	8	10	NNW	16	NNW	25	NNW	34	Drops	2·7
17	64·2	64·2	66·0	18·1	12·1	14·4	17·5	14·0	54	53	57	6·6	7·9	6·7	4	4	4	N	18	N	12	Calm	0	0·0	1·9
18	64·0	63·3	62·8	19·0	10·8	13·0	16·6	14·3	64	53	61	7·1	7·4	7·4	7	6	8	Calm	0	N	5	NNE	6	0·0	3·2
19	61·7	60·6	61·1	20·4	11·1	13·3	20·1	14·2	70	39	55	7·9	6·7	6·6	4	5	2	Calm	0	Calm	0	Calm	0	0·0	1·0
20	61·7	60·8	61·1	20·5	10·1	13·0	19·6	14·3	64	40	63	7·1	6·8	7·7	0	0	0	SSE	9	S	4	Calm	0	0·0	1·9
21	58·5	55·4	53·6	20·4	10·2	12·7	19·1	16·1	74	37	68	8·0	6·0	9·3	2	9	10	SE	10	Calm	0	NE	20	Drops	2·0
22	56·9	57·2	58·8	18·5	10·7	12·3	18·2	16·0	59	68	76	6·2	10·6	10·3	0	3	0	SW	27	W	35	W	22	Drops	2·1
23	60·6	60·7	60·4	20·8	11·7	17·1	20·0	16·1	69	64	77	10·0	11·1	10·5	4	2	0	NW	14	WNW	18	NNW	4	0·0	1·0
24	60·1	59·4	60·4	21·9	12·1	15·8	21·2	16·0	76	51	67	10·1	9·5	9·2	2	4	7	Calm	0	NW	16	NE	5	0·0	1·2
25	61·8	61·5	61·9	19·3	12·2	15·3	17·3	14·1	59	55	64	7·7	8·0	7·7	2	2	2	NE	11	NE	8	NE	6	0·0	1·0
26	61·6	61·0	61·8	17·9	12·1	14·7	16·6	14·1	58	54	56	7·3	7·5	6·7	10	5	7	NNE	4	NNW	10	NNE	10	0·0	2·0
27	60·5	60·0	59·9	16·9	12·2	15·0	15·0	13·0	51	58	76	6·5	7·4	8·5	4	9	10	Calm	0	NNE	19	Calm	1	3·0	1·8
28	60·4	60·4	60·4	18·0	10·6	14·1	17·1	13·6	48	45	51	5·7	6·5	5·9	7	3	3	N	12	N	10	Calm	0	0·0	1·9
Month	59·87	59·14	59·74	20·0	11·6	14·4	18·5	15·3	70	57	69	8·5	8·9	8·9	4·2	5·1	5·3	—	9·5	—	14·1	—	8·3	39·4	1·78

Remarks:—3 ● ° 13^{30}, 14^{40}, 15^{30}, 16^h.—4 ♎ 0^h–7^h.—6 ≋ ♎ 0^h–8^h.—7 ≋ ♎ 0^h–8^h.—8 ≋ ♎ 0^h–8^h.—10 ● ° 19^{5}–19^{10}, 20^{25}–20^{50}.—11 ☾ 18^h, ♈ W, SE 18^{5}, ● 18^{10}–18^{20}, ♈ ●² 18^{20}–24^h.—12 ♈ ●² 0^h–8^h, ●² 8^{5}–8^{15}, 9^{1}–9^{30}. ▲ 8^{16}–9^h, ● ° 9^{35}–10^h, 13^{5}–13^{25}, 20^{10}–20^{20}. ● 10^{30}–11^{5}.—14 ● ° 21^{35}–22^h.—16 ● ° 5^{57}–6^{50}, 8^{5}–8^{11}, 12^{42}–12^{48}, 14^{22}–14^{29}, 14^{38}–14^{45}, ☾ N 8^{12}.—21 ● ° 15^{10}–15^{13}, 17^{22}–17^{27}.—22 ● ° 16^{5}–16^{15}, ☾ E 16^{45}.—27 ●² 10^{10}–10^{55}, ● 14^{25}–15^{15}

ALEXANDRIA (Kôm el Nadûra.)

$\varphi = 31° 11' 36''$ N. $\lambda = 29° 53' 10''$ E. $H = 32·0$ m. $h_t = 1·7$ m. $h_r = 2·0$ m.

$C_h = +2·9$ mm.

March 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	59·8	57·6	55·9	20·3	9·7	11·9	19·3	15·6	66	36	51	6·8	5·9	6·6	0	7	4	ESE	5	ESE	5	ESE	12	0·0	3·1
2	56·5	57·2	58·2	17·9	10·9	16·0	17·7	15·1	66	47	54	9·1	7·0	6·6	3	1	3	W	28	W	37	WNW	16	0·0	2·0
3	60·2	58·2	56·9	20·8	9·7	13·2	19·6	16·8	54	27	47	6·2	4·6	6·7	0	9	10	SSE	9	SSE	13	Calm	0	Drops	3·0
4	53·8	49·9	52·5	19·9	11·6	13·8	19·1	18·0	58	28	63	6·7	4·6	9·8	10	10	10	ESE	11	SSE	18	NNE	11	Drops	2·4
5	59·0	60·8	62·9	19·3	13·0	16·3	18·0	15·9	65	54	50	9·0	8·3	6·7	4	4	4	NNE	19	N	23	NNW	20	0·0	2·0
6	64·0	63·4	63·9	21·3	14·8	16·8	18·7	16·6	68	57	65	9·7	9·0	9·1	5	3	3	NW	18	N	17	N	18	0·0	1·2
7	63·3	62·5	62·2	22·4	13·9	17·0	20·1	16·2	61	55	69	8·7	9·6	9·5	1	2	0	N	6	NNW	14	NNE	3	0·0	1·0
8	62·4	60·7	59·8	23·9	11·2	14·0	22·3	16·1	79	48	79	9·4	9·5	10·8	0	0	0	SSE	7	Calm	0	ENE	7	0·0	1·5
9	55·9	53·4	53·0	28·5	11·1	13·5	26·1	17·1	83	25	70	9·5	6·2	10·2	0	0	0	SE	7	W	13	N	30	2·0	4·2
10	53·9	53·2	53·6	24·9	11·1	15·7	17·2	14·1	65	59	65	8·7	8·6	7·8	4	7	8	W	31	W	22	WNW	30	5·0	4·0
11	52·8	53·4	55·5	23·4	11·2	13·7	13·6	13·3	62	69	73	7·3	8·0	8·3	9	7	9	WNW	45	WNW	31	WNW	32	6·3	3·2
12	58·5	59·8	60·7	20·0	10·6	15·5	18·5	15·1	62	53	56	8·2	8·4	7·2	7	4	4	NNW	30	NW	23	NW	24	0·0	1·4
13	60·5	59·0	57·2	21·9	11·3	13·2	20·9	15·2	76	49	66	8·6	9·0	8·5	4	0	0	SW	2	WNW	13	ENE	6	0·0	3·0
14	54·8	55·1	55·8	19·8	11·8	15·4	19·1	16·2	73	53	71	9·6	8·7	9·8	0	0	0	W	36	W	36	WNW	38	0·0	3·0
15	57·6	58·0	60·1	19·3	12·9	15·6	19·2	16·1	66	52	68	8·8	8·6	9·3	0	0	0	W	37	W	33	WNW	11	0·0	2·4
16	62·2	60·8	61·7	26·9	11·1	15·5	25·8	21·1	53	20	36	6·9	4·9	6·8	0	2	0	S	10	WSW	13	Calm	2	0·0	4·7
17	63·6	62·4	62·9	25·1	13·3	18·0	21·6	17·1	44	53	88	6·8	10·1	12·7	0	0	6	Calm	0	NNW	12	NNE	11	0·0	0·4
18	63·3	63·2	63·1	20·9	13·3	18·0	19·1	16·1	71	62	77	10·9	10·2	10·5	2	8	0	ENE	6	NNE	8	NNE	6	0·0	2·0
19	62·1	59·2	58·1	21·4	12·9	15·5	19·3	16·1	79	63	78	10·3	10·5	10·6	5	4	0	E	5	ENE	9	ENE	15	0·0	0·4
20	55·3	55·4	57·1	21·4	12·7	15·1	21·1	16·5	83	58	69	10·6	10·7	9·6	4	2	1	ESE	10	WNW	40	NNW	13	0·0	2·2
21	59·1	59·2	59·4	23·8	13·7	18·1	22·0	16·8	70	51	72	10·8	10·0	10·2	2	2	2	Calm	0	NW	8	NNE	10	0·0	1·0
22	62·5	62·4	63·5	25·9	12·7	17·1	21·0	17·1	69	58	79	10·0	10·8	11·4	3	9	4	SE	5	NNE	8	ENE	16	0·0	1·2
23	64·3	62·1	62·3	23·4	13·7	18·8	19·3	17·1	64	63	78	10·4	10·6	11·3	2	4	3	ENE	10	NNE	15	NNE	8	0·0	1·0
24	61·5	59·7	59·4	20·4	13·8	17·9	20·0	17·2	72	66	88	10·9	11·4	12·8	5	4	2	NE	8	NE	14	ENE	14	0·0	0·9
25	59·2	58·2	58·0	21·9	14·8	18·6	21·9	18·0	84	60	79	13·4	11·7	12·1	8	5	2	NE	4	NE	3	ENE	11	0·0	0·8
26	58·3	56·8	56·6	21·4	14·3	19·1	20·2	17·2	65	69	89	10·8	12·2	12·9	0	2	1	NE	7	NE	13	ENE	10	0·0	0·8
27	57·6	56·7	55·8	25·4	14·5	20·3	22·1	19·3	75	71	77	13·3	14·0	12·9	1	6	2	Calm	0	ENE	5	ENE	11	0·0	1·4
28	55·2	54·1	53·8	36·1	16·3	19·0	36·1	25·0	71	17	55	11·6	7·7	12·8	9	10	10	ESE	5	Calm	0	E	5	0·0	5·0
29	57·1	58·3	59·4	25·5	17·5	19·0	20·0	18·0	87	72	73	14·1	12·4	11·2	10	10	10	W	24	N	24	N	14	0·0	1·2
30	59·8	60·2	60·5	20·8	16·7	18·2	19·2	18·1	78	71	74	12·2	11·7	11·4	10	10	10	NE	10	NNE	14	NE	10	0·0	1·2
31	60·2	59·8	60·2	21·9	16·8	18·6	21·0	18·0	68	57	70	10·8	10·5	10·7	10	7	9	NE	10	NE	14	NE	11	0·0	1·0
Month	59·17	58·41	58·71	22·8	13·0	16·4	20·6	17·0	69	52	69	9·7	9·2	9·9	3·8	4·5	3·8	—	13·1	—	16·1	—	13·7	13·3	2·02

Remarks:—4 0h–12h, ●° 57–512, 6h–610, ∞° 12h–1756.—5 ● 310–313.—8 ≋ ⌓ 0h–730.—9 ≋ ⌓ 0h–525, ●² 6h, 68–618, ⚲ 68, ⌒ W 7h.—10 ●° 1630–1635, 1935–1940, < 1925, 1940–24h, ●² 2045–21h, 2140–22h, 2336–24h. ⚲ 2330, ⸙ 2355.—11 ▲ 017–230, ⚲ ●² ▲ < 230–72, ●° 815–910, 16h–1635, ●² 1023–1033, 1920–2150, ▲ 1035–1040, ● 115–1520, ⌒ E 1545, 175, ⸙ <.—12 ●² 3h–315.—14 ∞°, ⚭.—24 ≋ ⌓ 2h–730.—27 ⌓ 0h, ≋ 4h–730.

$C_h = +2·8$ mm.

April 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	58·0	57·8	57·0	20·9	16·2	17·6	20·0	18·1	75	66	74	11·3	11·4	11·4	8	9	10	ENE	14	NNE	—	NE	—	0·0	3·0
2	54·8	54·8	57·5	20·9	16·8	18·2	19·6	17·5	70	73	83	10·9	12·4	12·3	10	10	10	NE	16	NNE	13	NNE	20	1·0	1·3
3	58·1	58·2	58·4	22·1	15·0	16·9	19·1	16·1	65	54	59	9·3	8·8	7·8	7	6	5	NNW	14	NNW	8	N	8	0·0	2·2
4	60·1	59·6	59·7	20·4	15·2	17·3	19·2	17·1	58	54	69	8·5	8·9	10·0	7	4	4	NE	5	NE	6	NNE	10	0·0	1·2
5	60·4	59·3	59·7	22·9	15·7	17·7	21·5	17·3	66	61	77	9·9	11·5	11·3	4	1	4	NNE	7	NW	14	NNE	6	0·0	0·6
6	59·2	58·2	58·5	23·9	15·4	18·8	21·8	18·0	73	61	81	11·8	11·8	12·5	0	0	0	NW	4	NNW	19	N	7	0·0	1·0
7	58·6	58·3	59·0	28·1	15·3	19·0	26·1	17·8	76	34	75	12·4	8·3	11·4	0	0	0	Calm	0	NNW	21	N	15	0·0	1·1
8	60·8	60·8	60·5	26·9	14·8	18·1	20·5	17·0	60	52	65	9·3	9·3	9·4	3	0	0	NE	4	NNW	12	NNW	8	0·0	1·0
9	60·8	59·7	59·0	26·3	14·7	18·6	21·1	17·5	65	64	77	10·4	11·8	11·5	8	2	0	ENE	3	ENE	11	ENE	10	0·0	0·4
10	58·7	58·1	58·8	27·5	13·4	14·2	22·0	19·0	93	67	90	11·1	13·1	14·7	10	10	10	SE	6	NNE	13	NE	8	0·0	0·4
11	60·5	60·2	60·4	21·9	13·4	18·9	20·5	17·3	79	69	86	12·8	12·3	12·6	10	0	6	NE	4	N	17	NNE	5	0·0	0·3
12	60·9	59·8	59·8	22·0	15·2	18·0	20·1	17·1	63	55	69	9·8	9·7	10·0	7	0	0	NNE	6	NNE	8	NNE	6	0·0	2·4
13	59·5	58·9	58·7	24·4	15·3	19·0	23·9	19·0	72	58	76	11·7	12·7	12·4	4	4	4	Calm	0	NNW	3	Calm	2	0·0	0·9
14	58·0	57·7	57·2	31·5	16·3	19·1	27·5	21·3	71	41	55	11·6	11·3	10·3	0	0	0	ESE	8	Calm	0	Calm	0	0·0	1·0
15	58·9	59·1	58·9	23·0	11·7	19·4	21·6	18·1	76	69	88	12·8	13·1	13·6	3	4	3	NNE	8	ENE	12	NNE	3	0·0	0·4
16	59·4	58·8	57·1	28·0	16·0	20·1	25·0	21·5	77	47	71	13·4	11·1	13·4	0	0	0	Calm	0	NNW	4	Calm	0	0·0	3·3
17	56·0	56·9	57·4	26·0	18·9	22·2	24·0	19·1	41	62	80	8·2	13·8	13·1	10	10	7	Calm	0	NW	22	NNW	17	0·0	1·9
18	57·9	57·6	58·1	22·8	18·5	20·1	21·2	18·0	71	65	71	12·4	12·0	10·9	9	8	7	NE	3	NNE	5	NNE	8	0·0	2·0
19	59·4	59·9	60·4	21·4	17·9	18·6	20·2	17·3	61	54	58	9·8	9·5	8·5	7	8	2	NNE	18	N	16	NNE	10	0·0	2·0
20	60·2	57·6	55·1	27·5	13·9	18·2	27·0	23·0	60	20	31	9·3	5·4	6·3	0	0	2	S	2	SSE	3	SSE	10	0·0	6·4
21	58·0	59·2	59·6	22·9	15·9	19·2	20·6	16·3	52	45	52	8·6	8·0	7·1	5	7	4	WNW	30	NNW	31	NNW	17	0·0	4·5
22	59·4	58·8	58·2	22·3	14·3	18·8	21·0	18·0	51	49	59	8·3	9·0	9·1	0	0	0	Calm	0	NNE	5	ENE	5	0·0	3·0
23	57·5	55·5	54·0	28·6	14·3	17·1	27·9	24·1	60	18	34	8·7	4·8	7·7	10	10	10	SE	7	SE	6	ESE	6	0·0	10·0
24	53·0	51·6	52·3	39·0	16·3	24·9	37·9	33·5	22	7	12	5·3	3·4	4·6	10	10	10	SE	10	SW	40	Calm	0	0·0	11·0
25	54·7	54·8	55·0	28·4	19·4	21·1	26·3	20·1	83	63	83	15·4	15·8	14·5	10	10	10	Calm	2	NW	16	NNE	11	0·0	1·0
26	55·0	57·2	57·5	25·5	18·6	20·1	22·1	19·1	74	59	63	13·0	11·6	10·3	10	10	10	NE	28	NE	12	NNE	8	0·0	2·2
27	59·1	59·0	59·4	22·3	16·7	18·3	19·2	17·2	61	59	59	9·6	9·9	8·6	9	8	7	N	22	NNW	30	NNE	12	Drops	3·1
28	60·7	60·4	61·2	22·6	15·5	18·1	21·4	16·9	52	44	55	7·9	8·4	7·9	7	2	1	NNW	14	NW	20	N	10	0·0	2·6
29	62·5	62·7	63·2	22·9	15·3	18·3	20·1	17·1	52	48	58	8·1	8·3	8·4	4	4	4	NNW	14	NW	22	NNW	18	Drops	2·8
30	62·7	62·2	62·7	22·6	15·7	18·1	22·1	17·2	56	49	65	8·6	9·7	9·5	2	2	3	NW	14	NW	19	NNW	16	0·0	2·0
Month	58·76	58·42	58·48	24·8	15·7	18·8	22·7	18·9	64	52	66	10·3	10·2	10·4	5·8	4·6	4·4	—	8·8	—	14·1	—	8·8	1·0	2·50

Remarks:—2 ●° 1440–1448, 1625–1630, 1732–1737, 2040–2045, 215–2120, 2230–2255, ●² 1825–19h, < W 1850.—3 ●° 235–240, 310–315.—10 ≋ ⌓ 0h–7h.—24 ∞.—25 ∞. 27 ●° 845–848, 850–854.—29 ● 1040–1045, ● 1046–1055.

ALEXANDRIA (Kôm el Nadûra).

$\varphi = 31° 11' 36''$ N. $\lambda = 29° 53' 10''$ E. H = 32·0 m. $h_t = 1·7$ m. $h_r = 2·0$ m.

$C_h = + 2·8$ mm.

May 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	61·8	61·0	61·0	22·5	15·8	18·1	20·2	18·0	52	54	71	8·1	9·5	10·9	3	5	4	NNW	14	NNW	19	NNE	9	0·0	2·0
2	61·5	60·5	60·4	22·9	15·9	18·5	20·3	18·0	70	62	72	11·0	10·9	11·0	2	2	2	N	10	N	17	N	12	0·0	2·0
3	60·5	59·4	59·4	22·7	16·3	19·0	21·2	17·8	66	62	72	10·8	11·6	11·0	4	3	5	N	2	NNE	12	N	4	0·0	1·3
4	59·5	59·3	59·6	22·9	15·8	19·4	21·7	18·3	73	60	80	12·2	11·5	12·4	0	1	4	NE	1	NE	12	NNE	13	0·0	1·0
5	58·6	58·4	58·0	23·7	16·7	19·4	21·7	18·7	69	66	76	11·6	12·8	12·2	0	1	8	N	8	NNW	17	N	8	0·0	2·0
6	59·2	58·9	59·2	24·6	13·2	19·0	21·9	18·3	70	58	78	11·4	11·3	12·1	4	8	6	N	9	NNE	12	NE	6	0·0	1·2
7	60·5	60·7	60·4	23·4	16·8	20·4	22·0	19·1	72	69	80	12·8	13·5	13·1	1	0	0	Calm	1	NNE	8	NNE	4	0·0	1·0
8	60·2	59·2	58·5	23·9	16·8	21·1	22·7	20·0	64	55	64	11·8	11·3	11·1	0	0	0	NE	6	NNE	5	NNE	3	0·0	1·8
9	57·9	57·4	57·9	26·6	16·7	23·3	24·2	20·8	43	50	64	9·1	11·1	11·6	0	0	0	Calm	0	NNE	3	NE	2	0·0	2·5
10	57·8	57·9	57·2	24·3	15·8	21·8	23·7	20·2	52	48	65	10·1	10·3	11·1	0	0	0	Calm	0	NE	9	N	1	0·0	2·8
11	58·2	57·4	57·3	26·6	18·3	21·0	25·7	19·8	68	50	81	12·6	12·2	13·9	0	0	0	NNW	12	NW	14	NNW	8	0·0	2·0
12	56·7	56·5	56·2	24·9	15·5	20·7	23·2	19·0	76	61	74	13·7	12·8	12·0	0	0	0	Calm	0	WNW	14	N	8	0·0	2·0
13	56·4	56·7	56·3	24·9	17·6	21·2	23·8	19·5	64	58	76	11·8	12·6	12·7	3	2	0	N	2	NW	10	NNE	8	0·0	2·0
14	56·4	55·8	55·7	28·0	17·1	21·3	22·7	19·9	68	56	67	12·9	11·6	11·6	1	0	0	Calm	0	NNE	5	NNE	3	0·0	3·2
15	55·3	55·2	56·2	24·9	17·4	20·9	23·1	19·1	72	51	71	13·1	10·7	11·6	1	2	1	Calm	0	WNW	18	N	7	0·0	2·0
16	57·4	56·1	56·7	24·4	15·5	19·5	22·5	19·1	68	54	55	11·4	10·9	9·1	4	3	0	Calm	0	NNW	10	N	12	Drops	2·0
17	57·7	57·7	57·6	25·0	16·3	20·1	22·5	19·4	57	52	70	10·2	10·5	11·8	0	0	2	Calm	0	N	10	NE	8	0·0	3·0
18	57·6	58·0	55·3	25·1	16·3	22·5	22·8	21·1	50	64	71	10·0	13·1	13·1	6	10	9	Calm	1	NNE	7	ENE	11	0·0	3·4
19	50·5	46·9	51·8	29·0	19·3	22·8	26·2	19·7	64	64	83	13·2	16·0	14·2	10	10	9	E	21	NNE	5	N	30	0·0	3·2
20	57·5	57·9	58·0	24·8	18·1	20·8	23·6	19·5	67	56	69	12·1	12·2	11·5	3	1	1	NW	10	NW	17	NE	5	0·0	2·0
21	57·6	56·8	54·9	30·5	15·3	20·3	27·7	23·0	58	35	53	10·3	9·4	10·9	0	0	8	Calm	0	Calm	0	NNE	4	0·0	4·3
22	54·8	56·3	55·7	33·5	19·5	22·6	22·0	19·5	44	80	87	9·1	15·7	14·6	10	10	10	SE	4	W	20	N	8	Drops	3·4
23	57·4	56·6	56·6	25·7	17·7	20·1	23·4	20·1	73	62	80	12·7	13·2	13·9	0	0	0	NNW	4	NNE	2	NE	3	0·0	1·3
24	57·5	57·6	57·9	24·9	18·1	21·1	21·9	19·0	72	65	74	13·3	12·7	12·0	9	3	8	NW	4	NNE	8	Calm	0	0·0	1·5
25	58·2	56·3	56·2	25·4	16·8	20·9	21·8	19·1	64	50	62	11·6	9·7	10·2	3	1	0	Calm	0	NW	8	N	4	0·0	2·7
26	57·8	57·5	57·8	24·0	16·3	19·1	23·2	19·0	60	49	55	9·9	10·3	9·0	9	1	0	WSW	4	WNW	19	NNW	7	0·0	2·3
27	59·3	60·0	60·8	24·0	16·5	19·7	23·9	19·1	66	47	71	11·3	10·2	11·6	8	2	3	W	9	WNW	13	NNW	2	0·0	2·5
28	63·0	63·3	63·4	24·9	16·1	19·2	23·0	19·1	72	53	57	11·9	10·9	9·4	5	4	0	Calm	0	NNW	4	NNE	6	0·0	1·7
29	62·9	62·2	61·4	23·4	17·7	20·4	22·0	20·0	61	61	72	10·8	12·0	12·6	3	0	7	Calm	0	NE	10	N	10	0·0	2·4
30	60·1	59·2	59·4	23·1	18·2	20·5	21·9	19·5	68	65	80	12·1	12·7	13·5	4	2	7	NNE	6	N	10	N	8	0·0	1·4
31	59·6	59·9	59·6	23·4	18·4	21·2	22·9	20·1	74	68	73	13·7	14·1	12·7	4	0	0	NNE	2	NNE	9	Calm	0	0·0	0·9
Month	58·37	58·02	58·01	25·1	16·8	20·5	22·9	19·4	64	56	71	11·5	11·8	11·9	3·4	2·3	3·0	—	4·2	—	10·8	—	16·9	Drops	2·15

Remarks:—16 ◐ 23[35]-23[35].—19 ∞ 10[h]-16[30].—22 ● 13[h]-13[2], 13[55]-14[2], 15[15]-15[17], 15[20]-15[23], 15[25]-15[27], 21[30]-21[35].

$C_h = + 2·8$ mm.

June 1917.

Date	8 h.	14 h.	20 h.	Max.	Min.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain (mm.)	Evaporation (mm.)
1	60·6	60·3	60·5	24·9	18·3	21·4	23·2	20·3	79	70	80	15·0	14·0	15·7	0	0	0	Calm	0	NNE	4	Calm	2	0·0	1·0
2	60·6	59·7	59·3	24·9	18·9	21·9	24·0	21·1	76	72	77	14·7	16·0	14·3	0	0	0	Calm	2	ENE	8	N	5	0·0	0·6
3	58·6	58·2	57·9	25·9	19·2	21·9	25·9	21·1	84	67	91	16·4	16·7	16·9	0	0	3	Calm	0	NW	12	N	4	0·0	1·6
4	58·2	57·5	57·5	26·5	19·5	22·5	24·2	21·1	73	75	87	14·9	16·7	16·2	0	0	0	Calm	0	NNW	8	N	7	0·0	1·5
5	57·4	57·6	57·7	26·4	19·2	22·4	23·3	21·1	78	76	86	15·7	16·0	15·9	0	0	0	Calm	0	N	10	Calm	2	0·0	1·3
6	57·5	58·0	58·1	26·4	19·2	21·4	24·2	21·4	79	72	84	15·0	16·2	15·9	0	0	0	Calm	0	NNW	8	N	7	0·0	1·4
7	57·6	57·7	57·1	26·4	19·6	22·5	26·0	22·1	76	66	83	15·8	16·3	16·3	3	0	0	NNW	5	NW	9	NNW	6	0·0	1·5
8	57·0	56·6	56·6	25·1	20·0	22·6	24·0	21·3	77	75	87	15·6	16·5	16·4	0	0	7	NNW	5	NNW	16	N	9	0·0	1·8
9	56·9	56·6	56·4	26·4	20·2	23·0	23·5	22·0	74	72	76	15·3	15·4	14·8	0	0	0	Calm	2	N	9	N	4	0·0	2·0
10	56·3	56·3	56·1	26·9	19·9	24·1	26·1	22·9	76	70	77	16·8	17·5	15·9	0	0	0	WNW	3	WNW	14	Calm	0	0·0	1·6
11	56·4	56·3	56·2	27·2	20·6	23·7	26·0	21·8	73	60	77	15·8	14·9	15·0	0	0	0	Calm	0	NNE	10	NW	7	0·0	2·2
12	56·5	56·3	56·4	26·0	19·9	22·7	25·0	22·1	72	62	74	14·7	14·5	14·6	4	3	3	N	7	NNW	20	NNW	10	0·0	2·2
13	56·5	56·1	56·2	25·9	20·3	22·2	24·2	22·1	74	67	83	14·7	15·0	16·3	3	0	2	NNE	3	NW	6	N	5	0·0	2·2
14	56·2	56·1	56·4	27·5	20·6	23·0	24·9	22·9	70	62	76	14·6	14·5	15·8	0	0	0	N	10	N	5	Calm	0	0·0	1·4
15	56·2	56·3	57·0	30·5	19·9	24·0	27·0	24·4	69	68	63	15·3	18·1	14·2	0	0	0	Calm	0	NE	3	NE	2	0·0	2·5
16	56·6	57·4	58·1	40·0	21·2	26·7	31·4	25·0	45	52	64	11·8	17·6	19·7	0	0	0	SE	3	NNE	8	Calm	2	0·0	3·5
17	59·4	59·1	59·0	29·4	21·4	25·7	27·1	22·2	79	64	82	17·0	16·9	16·2	8	7	4	N	18	NNE	28	NNE	12	0·0	1·5
18	59·0	57·9	57·2	29·0	20·6	25·2	25·3	22·5	69	59	72	14·6	15·1	14·[illegible]	3	0	0	N	18	NW	22	N	17	0·0	1·9
19	57·4	56·9	57·4	29·6	20·5	23·5	25·0	22·1	72	52	83	15·4	14·4	16·3	4	1	1	NNW	17	NW	24	NW	13	0·0	1·2
20	56·0	56·0	58·2	25·9	20·4	23·2	25·2	22·3	73	57	98	15·2	13·5	13·5	6	0	8	NW	8	N	30	NNW	18	0·0	1·8
21	58·6	55·4	57·8	26·5	21·3	23·4	25·0	22·1	66	62	83	14·1	14·7	16·3	0	0	0	N	22	NNW	21	NW	24	0·0	3·2
22	57·2	57·0	56·1	27·0	21·2	23·8	25·0	23·0	75	64	78	16·4	15·9	16·4	3	0	0	N	14	NNW	26	N	22	0·0	2·5
23	55·8	55·5	56·4	28·0	21·1	23·3	26·2	23·0	81	72	84	17·3	18·0	17·4	0	5	0	N	16	NW	26	N	12	0·0	2·2
24	56·9	57·4	57·1	28·0	20·6	24·0	27·0	22·5	79	66	89	17·4	17·5	17·9	0	0	0	NNW	12	N	21	NNW	5	0·0	2·0
25	58·5	58·8	57·8	27·9	21·3	24·0	26·7	23·2	78	61	89	17·2	15·9	18·9	0	0	0	NNE	4	NNE	5	NNE	10	0·0	1·0
26	56·8	55·5	54·8	30·0	21·5	24·8	27·0	24·0	77	69	86	17·7	18·2	19·0	0	0	0	NW	14	NW	22	NNW	12	0·0	1·5
27	53·3	53·4	53·6	28·4	21·8	24·2	26·2	22·9	81	68	76	18·1	17·2	15·8	0	0	0	NNW	14	NW	24	NNW	15	0·0	1·0
28	54·1	54·8	55·1	28·0	21·6	23·9	27·1	23·0	74	62	84	15·9	16·5	17·4	7	2	2	NNW	24	NNW	23	NW	20	0·0	2·0
29	55·6	56·2	56·1	29·0	21·4	24·0	26·2	23·5	76	66	80	16·8	16·7	17·1	2	0	1	N	14	NNW	15	NNW	15	0·0	2·3
30	56·5	56·8	56·1	28·4	21·6	25·7	27·3	23·5	67	62	80	16·3	16·6	17·1	0	0	0	Calm	0	N	11	Calm	0	0·0	2·0
Month	57·21	57·09	57·01	27·7	20·4	23·3	25·8	22·4	74	66	81	15·7	16·1	16·3	1·4	0·6	1·0	—	7·9	—	14·7	—	8·[illegible]	0·0	1·81

Remarks:—

ALEXANDRIA (Kôm el Nadûra).

$\varphi = 31^\circ\ 11'\ 33''$ N. $\lambda = 29^\circ\ 53'\ 10''$ E. $H = 32{\cdot}0$ m. $h_t = 1{\cdot}7$ m. $h_r = 2{\cdot}0$ m.

$C_h = +\ 2{\cdot}7$ mm.

July 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	55·7	55·5	55·7	28·5	20·6	25·2	27·1	23·8	71	56	72	17·0	14·7	15·7	0	0	0	Calm	0	N	3	N	10	0·0	3·0
2	55·6	54·8	56·0	29·0	22·1	26·0	28·0	23·9	71	65	89	17·6	18·2	19·6	0	0	0	NW	14	NNW	16	NNW	10	0·0	1·1
3	56·4	56·7	56·3	29·0	21·4	25·1	28·9	23·9	82	65	85	1[illegible]·4	19·2	18·7	6	0	0	WNW	13	WNW	12	NNW	10	0·0	2·2
4	55·4	54·5	53·9	29·0	21·9	25·2	27·1	23·9	78	69	85	18·6	18·4	18·7	4	4	0	NW	15	NW	13	NW	16	0·0	2·0
5	52·8	52·7	52·4	29·3	22·4	25·9	28·2	23·9	64	62	79	15·8	17·7	17·2	0	0	6	NW	8	NW	21	NNW	20	0·0	2·9
6	53·4	53·3	54·0	28·0	22·9	25·0	26·1	23·7	72	69	89	16·9	17·3	19·3	3	3	8	N	3	NW	13	N	14	0·0	2·7
7	54·4	53·5	54·9	27·9	22·6	25·0	26·0	23·9	74	71	79	17·3	17·6	17·2	1	0	0	NE	3	NNW	20	N	13	0·0	2·4
8	55·2	55·5	55·9	29·0	22·2	24·7	27·5	24·0	71	61	76	16·4	16·6	16·8	3	4	3	N	6	N	16	N	15	0·0	2·9
9	56·5	57·5	56·2	28·0	22·2	25·0	27·4	23·8	71	60	76	16·7	16·3	16·6	8	0	1	NNW	5	NW	13	N	5	0·0	1·4
10	55·6	54·9	54·9	29·4	22·4	25·1	27·0	24·4	75	64	75	17·7	16·8	16·9	3	2	1	NNW	8	NNW	14	N	11	0·0	2·2
11	54·6	54·1	53.7	27·5	22·9	25·1	26·6	24·0	79	74	85	18·7	19·0	18·8	4	2	3	N	8	N	20	N	10	0·0	1·2
12	54·4	54·3	54.7	29·0	22·4	24·9	28·2	24·3	78	63	83	18·2	17·9	18·8	4	0	2	NNW	9	NNW	22	N	3	0·0	1·9
13	53·9	53·3	54·5	28·4	22·9	24·9	27·0	24·9	70	66	76	16·4	17·5	17·7	2	0	1	NNW	8	NE	14	N	10	0·0	2·4
14	55·2	55·2	56·1	29·0	23·5	25·2	27·0	24·0	69	61	70	16·4	16·2	15·4	0	0	0	N	25	NNW	13	NNW	22	0·0	4·0
15	56·0	56·0	55·7	26·9	22·9	24·7	26·0	24·0	64	65	75	14·7	16·1	16·6	0	4	0	NW	21	N	25	N	15	0·0	3·4
16	56·6	55·8	55·4	28·5	22·4	25·0	26·0	24·0	69	69	83	16·2	17·2	18·3	0	3	1	N	12	NNW	14	N	12	0·0	2·2
17	55·4	54·6	54·5	29·9	22·4	25·0	29·0	24·0	76	61	86	17·8	18·1	19·0	0	0	0	Calm	0	WNW	9	N	5	0·0	1·4
18	54·1	53·5	53·2	30·0	22·3	25·1	28·9	24·5	80	58	81	18·8	17·0	18·5	1	0	1	NNE	6	NW	5	N	3	0·0	1·4
19	52·8	52·3	52·5	30·1	22·9	25·6	29·2	24·5	79	65	88	19·3	16·6	20·2	4	0	2	NW	7	NW	10	Calm	1	0·0	1·0
20	52·2	52·7	52·7	29·5	23·1	26·1	29·0	24·2	76	63	83	19·0	18·9	18·5	0	0	0	NNW	12	NNW	13	NW	24	0·0	2·0
21	53·4	53·3	52·8	29·5	22·9	25·0	27·4	24·4	84	73	91	19·7	19·0	20·6	3	2	0	Calm	0	NNW	8	N	2	0·0	0·9
22	54·5	54·0	54·1	29·0	23·4	26·0	27·9	25·0	83	71	84	20·8	19·8	19·8	0	0	0	Calm	0	N	8	NNE	5	0·0	1·0
23	53·4	53·5	52·8	29·5	23·4	26·0	27·6	25·8	76	72	78	19·0	19·7	19·2	2	0	1	N	4	N	10	NW	5	0·0	1·0
24	52·2	52·4	52·0	29·9	23·9	26·1	28·0	25·9	83	71	80	20·9	20·1	19·9	4	0	4	NNW	6	NNW	10	N	5	0·0	1·0
25	52·2	52·0	52·0	29·9	24·0	25·9	29·5	25·0	80	62	83	19·9	19·0	19·5	0	0	0	NNW	12	WNW	15	NNW	10	0·0	3·0
26	51·9	51·7	51·9	30·0	23·9	26·2	29·0	25·0	67	53	60	17·1	15·5	16·2	0	0	0	NW	13	NW	18	NW	18	0·0	3·4
27	51·8	52·1	52·7	29·0	23·5	26·0	28·5	24·4	73	66	88	18·3	19·2	19·8	7	7	5	NW	8	NW	15	NNW	8	0·0	1·7
28	53·9	54·0	54·4	28·8	23·5	26·1	27·0	24·9	75	69	62	18·8	18·2	14·5	0	0	0	NW	9	NNW	14	N	12	0·0	3·9
29	53·6	52·8	53·5	29·9	22·9	25·0	27·4	24·1	76	64	87	17·8	17·4	19·3	7	7	4	NW	11	NW	10	N	6	0·0	2·0
30	53·9	53·9	54·5	28·4	23·5	25·1	26·0	24·0	79	71	83	18·7	17·6	18·3	4	0	2	NNW	6	N	10	N	10	0·0	1·1
31	55·6	55·6	55·3	29·6	22·4	25·0	28·4	24·4	77	80	82	18·2	17·4	18·5	2	0	1	NW	3	NW	12	NNW	5	0·0	4·0
Month	54·26	54·10	54·17	29·0	22·8	25·4	27·6	24·3	75	66	81	18·0	17·9	18·2	2·3	1·2	1·5	—	8·2	—	13·3	—	10·2	0·0	2·15

Remarks:—

$C_h = +\ 2{\cdot}7$ mm.

August 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	54·6	53·7	53·3	30·4	22·4	25·0	28·4	24·9	84	65	85	19·7	18·7	19·9	0	0	0	N	2	NW	1	NW	1	0·0	2·0
2	52·9	52·7	52·3	30·0	22·8	26·1	28·1	24·6	77	62	80	19·3	17·6	18·4	4	2	3	WNW	4	NNW	9	NNW	6	0·0	2·0
3	52·2	52·5	53·1	30·0	22·9	25·5	28·0	24·7	75	70	83	18·0	19·7	19·1	4	0	0	Calm	0	NNW	9	N	3	0·0	2·0
4	53·9	54·1	53·9	29·8	22·3	25·0	28·5	24·7	77	60	73	18·2	17·3	16·7	4	2	1	Calm	0	Calm	0	N	6	0·0	2·0
5	54·5	54·4	54·1	30·0	22·3	25·2	28·0	25·0	68	62	73	17·2	18·1	18·4	1	0	0	Calm	0	NW	8	Calm	0	0·0	1·9
6	53·3	52·8	53·3	30·5	23·5	26·1	29·2	25·0	80	64	76	20·1	19·4	17·8	7	4	2	NNW	3	NNW	8	N	6	0·0	2·9
7	53·7	53·0	53·2	29·2	23·4	25·5	28·2	25·0	66	57	82	15·9	16·2	19·3	4	0	0	Calm	0	Calm	0	N	2	0·0	2·0
8	53·3	52·4	52·8	30·5	23·5	26·2	30·0	26·0	76	61	76	19·1	19·3	19·0	2	0	1	Calm	0	NNE	6	N	4	0·0	2·0
9	52·7	53·2	53·2	31·0	23·8	27·9	30·0	25·2	70	65	82	19·6	20·7	19·6	0	4	2	NW	2	NW	12	N	10	0·0	2·2
10	53·8	54·0	53·9	31·0	23·4	26·2	29·8	25·5	71	60	80	17·8	18·6	19·3	4	2	0	—	3	NW	8	NNW	7	0·0	1·9
11	53·6	52·8	53·0	31·1	23·9	27·0	30·9	25·9	71	59	73	16·8	19·7	19·3	1	2	0	Calm	0	NNW	2	NNW	4	0·0	1·8
12	53·1	53·5	53·7	32·0	23·9	26·9	30·0	26·0	77	60	76	20·2	18·9	19·0	4	5	3	NW	5	NW	4	Calm	0	0·0	1·2
13	54·1	54·2	53·6	30·5	24·0	27·1	29·2	25·9	70	69	85	18·7	20·7	21·0	2	3	1	Calm	0	NW	5	NW	9	0·0	0·8
14	53·7	53·7	53·7	31·4	24·4	27·2	30·5	25·9	70	68	84	21·2	22·2	20·8	0	0	0	Calm	0	NW	7	NW	2	0·0	0·9
15	53·7	53·7	53·4	31·0	23·8	26·1	29·0	25·9	76	67	84	19·0	20·1	20·8	2	0	4	NNW	3	Calm	0	Calm	0	0·0	1·2
16	54·3	54·5	54·7	30·0	23·8	27·2	28·8	26·6	76	73	72	20·4	21·4	18·7	0	2	1	Calm	0	Calm	0	NE	1	0·0	1·0
17	55·4	55·1	54·7	32·0	24·0	27·9	30·0	27·2	72	65	67	20·2	20·7	18·1	0	0	0	Calm	0	NW	4	Calm	0	0·0	1·0
18	54·4	53·8	53·2	32·0	24·4	27·7	29·6	26·2	75	65	82	20·7	20·1	20·6	0	0	0	Calm	0	NW	8	Calm	0	0·0	2·1
19	53·1	52·5	52·7	30·9	24·5	27·5	28·9	25·9	79	65	74	21·4	19·2	18·4	3	0	0	Calm	0	NNW	14	NNE	11	0·0	3·1
20	53·1	53·0	53·6	30·6	24·0	26·9	28·6	25·2	69	62	76	18·3	18·0	18·1	4	3	2	NNW	2	NNW	9	NW	4	0·0	2·2
21	53·9	54·0	54·8	31·0	23·5	26·5	28·2	25·5	63	64	75	17·4	18·1	18·0	6	4	5	Calm	0	NW	6	NNW	3	0·0	2·3
22	54·8	55·0	54·8	30·0	23·5	26·2	28·0	25·2	74	63	79	18·7	17·8	18·8	1	4	3	N	5	N	13	NE	4	0·0	2·8
23	55·0	54·3	54·5	30·0	24·3	26·5	28·1	26·0	74	68	76	18·9	19·1	18·9	8	3	4	N	2	N	12	N	6	0·0	2·3
24	54·5	55·2	55·8	30·3	24·0	26·0	29·0	25·2	76	64	81	19·0	19·1	19·3	0	0	0	Calm	0	NW	3	Calm	0	0·0	2·4
25	56·1	55·6	55·5	30·0	24·0	26·2	27·8	25·0	75	66	84	18·9	18·3	19·7	0	0	0	N	1	N	11	NNE	8	0·0	2·1
26	55·5	54·4	54·4	31·0	24·0	26·0	29·9	25·3	80	62	79	20·0	19·3	18·9	3	0	0	Calm	0	NW	7	N	6	0·0	1·7
27	54·1	53·5	53·8	30·9	24·0	25·8	28·9	25·2	75	64	82	18·4	19·0	19·6	4	0	2	Calm	1	N	8	Calm	0	0·0	1·2
28	54·8	54·7	55·5	31·0	23·8	26·2	28·8	25·8	77	65	73	19·3	19·2	17·8	1	0	0	Calm	0	NNW	3	Calm	0	0·0	1·0
29	56·5	56·2	56·3	32·0	24·0	28·0	29·8	25·4	70	60	82	19·7	18·0	19·8	1	0	4	Calm	0	WNW	10	Calm	0	0·0	2·0
30	55·8	54·2	54·3	31·3	23·9	27·0	29·0	25·3	69	62	81	18·2	18·5	19·2	4	0	0	Calm	0	N	11	N	2	0·0	2·0
31	53·4	53·2	52·9	32·5	24·2	28·2	31·9	25·9	67	61	85	19·0	21·3	21·0	0	0	0	Calm	0	NNW	6	Calm	0	0·0	1·4
Month	54·12	53·87	53·94	30·6	23·7	26·6	29·2	25·5	74	64	79	19·1	19·2	19·1	2·4	1·3	1·2	—	1·1	—	6·7	—	3·4	0·0	1·85

Remarks:—

ALEXANDRIA (Kôm el Nadûra).

$\varphi = 31° 11' 36''$ N. $\lambda = 29° 53' 10''$ E. H = 32·0 m. $h_t = 1·7$ m. $h_r = 2·0$ m.

$C_h = + 2·8$ mm.

September 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	54·1	54·6	55·9	32·0	23·9	27·2	31·0	25·0	77	65	80	20·6	21·7	18·9	2	7	1	Calm	0	NNW	6	N	6	0·0	2·0
2	56·8	57·5	57·3	30·6	23·4	27·1	29·0	25·5	62	57	72	16·5	17·0	17·5	3	4	4	Calm	0	N	2	Calm	0	0·0	2·4
3	57·3	56·6	56·5	30·0	23·5	26·4	29·1	25·4	66	57	66	16·8	16·9	16·0	4	4	4	Calm	0	N	4	Calm	0	0·0	3·0
4	55·4	54·8	54·3	31·2	23·5	27·0	30·4	25·0	58	46	62	15·3	14·8	14·5	4	5	0	Calm	0	N	2	Calm	0	0·0	2·2
5	54·2	54·3	55·5	30·4	21·3	25·5	29·6	25·2	67	55	68	16·3	17·0	16·1	4	3	0	Calm	0	W	3	Calm	0	0·0	2·5
6	57·1	57·5	57·8	30·4	23·2	26·0	28·9	25·0	61	54	73	15·2	15·8	17·1	5	4	3	Calm	0	NW	4	N	1	0·0	3·7
7	58·0	56·8	57·0	28·0	23·8	25·1	27·0	25·0	69	64	70	16·1	16·5	16·6	7	3	4	NNE	2	N	11	N	6	0·0	3·6
8	55·5	54·8	55·3	28·9	23·6	25·2	27·5	25·0	73	67	77	17·3	18·3	18·0	1	3	7	NNE	10	NNW	5	N	7	0·0	3·0
9	54·5	53·8	54·6	28·5	23·9	25·5	27·2	25·5	75	67	78	18·2	18·1	18·8	7	0	4	N	2	N	9	NNE	5	0·0	2·0
10	56·0	55·3	55·7	29·9	23·7	25·2	28·4	24·4	74	56	81	17·7	16·1	18·4	8	0	4	NNW	3	Calm	2	N	2	0·0	2·2
11	56·5	56·1	56·0	30·0	23·3	25·6	28·1	24·1	69	57	72	16·7	16·1	15·[illegible]	4	0	0	Calm	0	N	2	N	4	0·0	2·9
12	55·0	55·5	55·6	29·0	22·9	25·0	27·2	23·9	62	56	69	14·5	15·0	15·2	6	4	3	NNW	5	NW	10	NW	8	0·0	3·0
13	55·4	55·7	56·1	28·9	22·4	24·3	26·7	23·8	66	58	62	14·9	15·0	13·6	6	5	4	Calm	0	N	6	N	5	0·0	3·2
14	57·1	57·9	57·4	29·0	21·8	24·4	28·0	23·8	62	45	69	14·0	12·6	15·1	0	0	0	Calm	0	Calm	0	Calm	0	0·0	2·4
15	56·6	55·7	55·4	30·5	20·1	24·2	27·6	24·5	82	65	80	18·3	17·9	18·3	0	4	2	Calm	0	N	2	Calm	0	Drops	2·1
16	54·2	54·2	55·1	27·5	22·3	26·1	26·0	23·0	67	57	60	16·9	14·0	12·5	4	4	4	Calm	0	NW	12	NNW	14	0·0	3·3
17	56·1	57·1	58·1	25·3	21·4	22·9	24·9	23·0	63	55	59	13·0	12·7	12·3	4	4	4	NNE	11	N	9	N	5	0·0	3·9
18	59·7	60·0	60·1	27·8	21·9	24·2	26·9	24·0	52	45	54	11·7	11·7	11·8	4	3	3	NE	2	NNE	8	NE	2	0·0	3·2
19	60·4	59·6	60·1	27·6	20·5	25·2	27·2	23·0	47	45	67	11·1	12·3	14·1	4	3	4	Calm	0	Calm	0	NE	2	0·0	3·0
20	59·8	59·0	59·9	28·0	21·4	25·0	27·3	23·2	62	48	67	14·5	13·1	14·1	3	0	0	Calm	0	Calm	0	Calm	0	0·0	2·4
21	59·6	59·4	59·7	28·1	21·3	25·0	27·2	23·9	70	62	77	16·4	16·6	16·[illegible]	0	0	0	Calm	0	Calm	0	Calm	1	0·0	1·9
22	59·1	58·4	58·0	30·0	22·5	25·0	29·0	24·0	70	53	76	16·4	15·7	16·[illegible]	0	0	0	Calm	0	Calm	0	Calm	0	0·0	2·3
23	58·3	57·6	57·4	28·6	21·9	24·1	26·4	23·9	78	67	84	17·3	17·1	18·5	1	0	0	Calm	0	Calm	0	Calm	0	0·0	2·0
24	56·5	55·4	55·6	29·6	22·3	24·2	27·0	23·8	67	63	72	15·0	16·6	15·6	0	0	0	Calm	0	Calm	0	Calm	0	0·0	2·4
25	55·3	54·9	55·9	27·9	22·2	24·2	26·2	23·3	67	67	79	15·6	16·9	16·7	4	6	0	Calm	0	N	19	N	14	0·0	3·0
26	56·8	56·2	56·1	28·7	21·9	23·6	27·7	23·0	72	58	75	15·3	15·8	15·7	2	0	4	NNW	22	NW	27	NNW	16	0·0	3·0
27	57·1	57·6	59·6	29·0	21·9	24·8	27·0	23·0	71	58	75	16·5	15·3	15·7	4	4	4	Calm	0	NNW	20	NNE	14	0·0	2·0
28	61·7	61·7	62·5	27·3	19·8	23·5	26·4	22·7	71	55	79	15·2	14·0	14·4	3	0	0	NNE	8	NE	12	NE	6	0·0	2·3
29	62·0	60·8	61·0	25·9	21·1	22·2	24·2	22·1	59	54	62	11·2	12·0	12·2	5	2	3	N	14	NNW	26	NNW	21	0·0	4·9
30	60·2	59·8	60·2	25·5	21·4	23·9	24·9	22·1	61	49	59	13·5	11·4	11·6	3	2	3	NNW	23	NNW	31	NW	22	0·0	4·0
Month	57·24	56·95	57·32	28·8	22·3	24·9	27·5	24·0	67	57	70	15·6	15·5	15·6	3·4	2·4	2·3	—	3·4	—	7·7	—	5·4	Drops	2·79

Remarks:—15 ●° 3^{40}–3^{50}.

$C_h = + 2·8$ mm.

October 1917.

1	59·9	59·7	60·7	28·5	20·9	23·2	27·9	22·3	66	47	72	13·9	13·1	14·5	3	3	2	N	10	NNW	6	N	5	0·0	2·1
2	60·2	59·4	59·8	26·9	20·9	24·6	25·2	22·9	70	67	76	16·1	15·9	15·8	3	0	0	Calm	0	Calm	0	N	6	0·0	1·2
3	59·8	59·5	60·0	25·4	21·0	24·0	25·9	22·9	68	88	78	15·1	21·8	16·1	0	0	0	NNW	3	NW	12	NW	5	0·0	0·9
4	60·3	60·2	60·2	27·0	20·9	24·0	25·0	22·7	64	68	77	14·3	16·0	15·7	0	0	0	NNW	1	NW	27	NW	12	0·0	1·2
5	60·4	59·8	60·2	26·4	20·5	24·1	25·0	22·1	68	56	73	15·0	13·2	14·4	3	0	0	Calm	0	WNW	11	NNW	5	0·0	0·2
6	60·2	59·6	59·8	27·1	20·3	22·5	25·5	22·1	72	62	73	14·5	15·0	14·4	0	0	0	Calm	0	NW	4	N	2	0·0	2·0
7	60·8	60·4	60·7	28·4	19·3	23·1	26·2	23·0	71	61	74	14·8	15·5	15·5	0	0	0	Calm	0	W	18	Calm	0	0·0	1·4
8	60·3	59·4	59·8	30·0	18·0	22·1	29·1	23·9	68	54	76	13·3	16·2	16·7	0	0	0	Calm	0	NW	16	WNW	22	0·0	2·0
9	59·2	58·2	59·2	28·7	20·3	24·2	25·7	22·8	60	56	66	13·3	13·7	13·7	4	6	0	W	21	NW	24	NW	18	0·0	2·4
10	59·3	60·4	61·0	29·0	21·4	24·9	27·9	22·9	57	47	68	13·2	13·1	14·1	6	2	0	Calm	0	W	14	Calm	0	0·0	1·4
11	60·5	59·8	59·7	28·5	18·9	22·1	26·0	22·2	73	57	73	14·4	14·0	14·5	2	2	2	SE	2	WNW	15	N	3	0·0	1·3
12	59·2	57·8	58·0	26·5	19·9	25·1	25·9	22·3	58	55	65	13·6	13·4	12·6	4	1	2	Calm	0	N	7	N	2	0·0	0·8
13	58·7	58·1	59·8	28·5	19·3	23·0	26·7	23·2	68	45	65	14·2	11·8	13·8	0	0	0	Calm	0	Calm	0	N	2	0·0	1·1
14	61·5	61·7	62·4	26·6	18·9	23·1	26·0	23·0	75	62	79	15·7	15·4	16·6	3	0	0	N	8	N	9	N	5	0·0	1·1
15	63·6	62·0	62·6	25·9	20·9	23·1	25·0	22·0	67	55	61	14·0	12·8	12·0	2	2	2	N	8	NNW	5	NNW	8	0·0	2·1
16	62·4	61·1	60·7	25·9	20·4	22·9	25·0	22·3	67	61	72	14·6	14·3	14·3	2	2	2	NNW	12	WNW	15	NW	12	0·0	3·1
17	60·2	59·1	59·3	26·4	20·9	22·6	24·1	22·0	66	62	73	13·3	13·7	14·3	5	6	2	NW	20	NW	11	NNW	3	0·0	2·4
18	59·9	60·1	60·2	27·0	20·3	23·4	24·9	22·0	73	63	76	15·5	14·7	15·0	4	3	4	Calm	0	NNW	11	NW	6	0·0	1·9
19	61·2	60·1	60·8	26·4	20·4	22·9	25·0	22·1	69	62	81	14·3	14·5	15·9	4	3	2	NNW	3	NNW	16	NNW	12	0·0	0·9
20	61·6	60·7	61·2	26·3	20·0	22·3	25·3	22·1	73	65	82	14·6	15·5	16·1	5	1	3	Calm	0	NNW	3	NW	5	0·0	1·1
21	62·1	61·0	62·1	27·0	20·9	24·1	25·9	22·1	69	59	74	15·4	14·6	14·6	0	0	0	N	2	NNW	10	N	2	0·0	1·4
22	61·7	60·2	60·7	26·3	20·4	23·3	25·4	22·1	73	64	74	15·5	15·4	14·6	3	1	2	NNW	8	Calm	0	Calm	0	0·0	1·4
23	60·2	58·8	59·1	29·9	18·4	21·5	25·9	22·0	79	59	76	15·0	14·6	14·8	0	0	0	Calm	0	Calm	0	Calm	0	0·0	2·3
24	59·0	58·9	60·3	27·5	17·8	19·9	27·1	22·6	79	57	69	13·7	15·1	14·1	0	0	0	SE	17	W	19	NNW	9	0·0	2·2
25	61·4	59·5	59·0	28·0	18·5	20·3	26·9	21·2	79	58	73	13·9	15·2	13·6	4	2	0	Calm	0	W	19	Calm	0	0·0	2·0
26	55·1	53·8	54·0	24·3	17·0	19·6	24·0	20·0	49	53	72	8·4	11·7	12·6	0	2	9	S	36	W	36	WSW	20	2·0	3·2
27	54·9	54·3	56·1	24·8	16·4	18·3	22·9	19·0	80	60	72	12·4	12·5	11·7	7	4	6	W	20	Calm	0	Calm	0	0·0	2·0
28	56·1	56·4	56·5	26·9	17·4	22·3	23·9	22·0	72	64	76	14·5	14·2	14·8	4	7	7	N	1	NW	17	N	15	6·0	2·9
29	59·1	58·2	59·3	25·3	17·4	22·0	23·6	21·6	75	72	80	14·7	15·5	15·2	4	3	5	N	22	N	17	NNW	12	0·0	2·0
30	60·8	60·5	60·9	26·4	20·0	22·1	24·1	21·2	74	64	73	14·6	14·2	13·6	2	1	0	N	9	NNW	12	NW	2	0·0	2·0
31	61·0	60·9	60·7	25·9	16·7	20·1	23·8	20·9	81	63	67	14·1	13·9	12·2	0	7	0	Calm	1	Calm	0	Calm	0	0·0	1·6
Month	60·05	59·57	59·83	27·1	19·5	22·6	25·5	22·1	70	60	73	14·2	14·5	14·5	2·4	1·9	1·6	—	6·6	—	11·4	—	6·2	8·0	1·73

Remarks:—26 ∞° 11^{50}–14^{h}, ●° 16^{25}–16^{30}, 18^{44}–18^{50}, ☾ ●° 17^{25}–18^{43}, ☾ 18^{40}.—27 ☾ ● 15–1^{25}, ●° 2^{10}–2^{25}), 7^{6}–8^{h}, ☾ 4^{5}–4^{55}, ⌒ W 7^{5}.—28 ●° 8^{45}–9^{h} 15^{4}–15^{25}, 19^{32}–19^{43}.—29 ●° 1^{45}–1^{52}, ☾ 2h, 5h, ●° 2^{53}–2^{59}, 5^{50}–5^{57}.

ALEXANDRIA (Kôm el Nadûra).

$\varphi = 31° 11' 36''$ N. $\lambda = 29° 53' 10''$ E. H = 32·0 m. h_t = 1·7 m. h_r = 2·0 m.

November 1917.

C_h = + 2·8 mm.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND VELOCITY (kilometres per hour) 8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	60·4	58·8	59·5	25·4	17·4	21·1	24·0	20·9	73	63	82	13·5	13·9	15·0	9	9	7	Calm	0	ENE	3	ENE	2	0·0	1·0
2	58·2	55·9	55·8	28·9	19·8	23·0	27·2	22·3	93	63	90	17·3	17·0	18·0	10	9	9	ENE	4	ENE	7	ENE	2	0·0	1·1
3	56·3	56·0	56·7	28·6	18·1	19·3	27·3	22·9	99	65	75	16·5	17·5	15·6	10	0	0	Calm	0	Calm	0	Calm	0	0·0	1·0
4	58·6	58·5	59·8	26·6	18·8	22·4	26·6	22·1	78	58	73	15·7	15·0	14·4	0	0	0	Calm	0	WNW	8	N	2	0·0	1·0
5	60·7	61·3	62·0	27·0	17·4	21·4	26·2	21·1	77	51	65	14·5	12·8	12·1	0	0	0	Calm	0	—	8	Calm	0	0·0	1·0
6	62·4	61·5	62·4	26·1	17·8	23·0	24·1	21·1	67	53	65	14·1	11·8	11·9	0	0	0	Calm	0	N	6	N	5	0·0	2·0
7	63·3	62·0	62·7	24·4	18·3	21·3	23·0	20·5	68	60	70	12·9	12·5	12·6	3	3	2	Calm	0	N	4	N	2	0·0	1·7
8	62·2	61·7	62·1	26·5	18·3	23·4	23·6	20·1	64	65	83	13·6	14·0	14·4	2	0	1	Calm	0	N	6	NE	4	0·0	1·0
9	61·9	61·2	61·8	27·9	17·0	21·4	24·0	21·0	79	75	80	15·0	16·6	14·8	0	0	0	Calm	0	N	6	N	2	0·0	1·1
10	60·4	57·9	57·3	26·9	18·3	23·0	24·9	22·1	75	70	83	15·7	16·3	16·3	0	6	3	Calm	0	NNE	9	NE	5	0·0	0·9
11	57·6	56·7	58·1	31·0	17·4	20·0	31·0	23·5	91	38	65	15·7	12·5	13·9	0	9	10	Calm	0	Calm	0	Calm	2	0·0	2·9
12	60·5	60·4	61·2	31·0	18·6	22·7	26·2	23·9	73	70	79	14·9	17·6	17·2	8	10	4	Calm	0	Calm	0	Calm	0	0·0	1·9
13	62·2	61·5	63·0	30·1	18·9	21·5	27·1	22·1	87	68	83	16·6	15·2	16·3	0	0	3	SE	4	NE	1	NE	5	0·0	1·4
14	62·6	61·2	62·2	25·9	18·3	20·1	24·1	21·0	91	76	85	15·8	16·8	15·7	3	3	3	Calm	0	Calm	0	NE	1	0·0	0·2
15	60·8	59·7	59·5	25·9	17·9	19·0	22·9	22·0	100	84	83	16·3	17·3	16·4	10	10	10	Calm	0	ENE	2	ENE	9	0·0	0·9
16	56·9	54·8	55·3	23·4	18·1	19·3	22·3	22·1	99	73	76	16·5	14·6	14·6	10	10	10	Calm	0	Calm	0	Calm	0	0·0	1·6
17	58·3	57·5	57·4	23·9	18·8	22·0	22·3	21·3	74	66	72	14·5	13·2	13·5	9	10	10	NW	13	W	1	Calm	0	Drops	1·4
18	58·9	58·1	58·8	26·5	19·4	20·9	24·8	21·0	75	58	67	13·7	13·6	12·3	4	4	9	Calm	0	WNW	6	NW	3	Drops	1·2
19	58·3	57·2	56·5	21·8	18·5	20·0	20·0	18·3	84	82	70	14·6	14·3	11·0	9	10	10	Calm	0	WSW	14	NW	12	3·0	1·4
20	56·6	56·2	56·8	19·4	14·8	18·0	19·0	15·0	52	39	88	8·0	6·3	11·2	10	8	2	WNW	21	W	18	SSW	6	0·0	4·1
21	57·7	57·1	54·1	21·3	9·9	13·5	21·2	16·6	40	48	67	4·6	8·9	9·4	0	0	7	SW	20	W	20	W	9	5·6	3·0
22	61·6	61·7	63·6	21·9	12·1	16·1	21·5	17·5	73	47	43	9·9	8·8	6·4	0	0	3	WSW	8	W	19	W	7	0·0	2·9
23	64·8	64·1	64·5	24·3	12·8	17·5	23·2	19·2	60	51	63	8·8	10·7	10·4	0	2	3	Calm	0	WNW	10	Calm	1	0·0	1·9
24	63·3	61·6	61·9	24·4	14·2	18·0	22·7	18·9	62	61	63	9·5	12·5	10·3	6	3	3	Calm	0	NNW	3	Calm	0	0·0	2·0
25	62·1	60·9	61·7	23·9	15·3	20·3	23·8	18·1	58	38	62	10·5	8·5	9·5	4	3	5	Calm	0	WNW	13	Calm	0	0·0	2·0
26	62·5	61·8	62·9	24·4	15·0	18·1	22·3	17·7	70	49	64	10·8	9·7	9·7	5	2	2	Calm	0	NE	2	Calm	0	0·0	1·2
27	63·9	62·8	64·1	24·9	14·8	20·1	22·0	16·1	63	59	65	11·0	11·5	10·8	3	3	6	Calm	0	NE	0	ENE	4	0·0	2·5
28	65·3	64·4	64·9	22·9	18·1	21·3	22·3	19·6	65	65	75	12·2	12·9	12·7	7	5	5	ENE	5	NE	10	NE	6	0·0	2·0
29	66·3	65·3	65·6	23·5	18·5	20·0	22·9	19·3	66	60	77	11·5	12·5	12·9	7	4	7	NNE	0	NE	6	NE	5	0·0	1·4
30	65·1	63·9	64·2	23·5	17·8	20·1	21·9	19·1	71	64	71	12·4	12·3	11·0	5	7	2	NE	6	NE	8	NE	7	0·0	1·2
Month	60·09	60·06	60·54	25·5	17·0	20·3	23·8	20·3	74	61	73	13·2	13·3	13·0	4·5	4·3	4·5	—	3·0	—	6·6	—	3·4	8·0	1·63

Remarks:—2 ≋ ☽ 0h–8h.—3 ≋ 8h–14h.—4 ≋ 4h–9h.—5 ≋ 2h–8h.—8 ≋ ☽ 22h–24h.—9 ≋ ☽ 4h–8h.—10 ≋ ☽ 5h–8h.—11 ≋ ☽ 4h–8h 12 ≋ ☽ 0h–9h.—13 ≋ ☽ 9h–8h.—14 ≋ ☽ 3h–9h, ≋ 9h–13h.—15 ≋ ☽ 4h–8h, ≋ 8h–10h.—16 ≋ ☽ 3h–11h, ≋ 17h–24h.—17 ● c 14h–14h47, 15h–15h18.—19 ● ° 5h40–5h55, 6h–7h, 7h25–7h35, 8h30–8h45, 12h45–13h, 17h–17h, 18h–18h. ● 13h25–13h30, ● < 21h–24h.—20 ● < 0h–0h15, ● ° 0h45–3h32.—21 ● ° 19h18–20h, 20h3–20h25, ● ² 20h37–20h50.

December 1917.

C_h = + 2·9 mm.

Date	8 h.	14 h.	20 h.	Max.	Min.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h. Direct.	Vel.	14 h. Direct.	Vel.	20 h. Direct.	Vel.	Rain	Evaporation
1	64·1	63·1	63·1	23·4	17·5	20·1	22·0	18·5	65	59	75	11·3	11·7	11·8	4	4	6	NE	5	NE	7	NE	4	0·0	1·4
2	61·9	60·4	60·7	24·9	14·9	19·2	22·1	18·3	70	66	81	11·6	13·0	12·7	0	0	0	Calm	0	NE	4	NE	10	0·0	0·9
3	60·2	58·8	58·5	26·0	14·8	18·0	22·3	19·0	82	65	82	12·6	13·0	13·4	10	7	9	Calm	0	Calm	0	ENE	6	0·0	0·9
4	58·0	57·0	58·2	24·4	15·0	19·3	22·2	19·1	71	57	62	11·8	11·4	10·2	3	5	2	Calm	0	NNE	15	Calm	0	2·0	1·2
5	59·7	60·0	61·3	20·0	15·3	16·1	19·1	17·5	94	46	47	12·8	7·5	7·0	10	8	6	WNW	49	NW	34	NNE	13	2·0	2·9
6	60·8	59·2	59·4	18·9	12·1	15·2	18·5	15·0	57	50	62	7·4	7·8	7·9	3	7	10	SW	15	W	36	NW	45	2·0	3·0
7	62·1	62·3	62·8	15·8	10·8	14·0	14·1	12·4	56	65	70	6·6	7·8	7·8	7	6	8	NNW	42	NNW	24	N	27	10·0	1·0
8	62·6	60·9	60·6	16·4	8·7	9·3	12·3	14·1	93	72	65	8·1	7·7	7·8	7	9	10	SSE	7	WSW	16	WSW	18	7·0	3·0
9	61·4	62·3	63·9	14·5	8·2	10·2	13·1	14·5	96	87	60	8·9	9·7	7·4	10	10	10	WSW	4	Calm	0	Calm	0	9·5	--
10	65·9	65·2	66·2	18·4	9·7	14·1	17·1	11·9	55	46	64	6·6	6·7	6·6	5	7	3	NE	3	NE	2	Calm	0	0·0	2·0
11	65·4	64·3	64·4	17·8	9·4	12·5	15·3	13·1	61	61	69	6·6	8·0	7·8	8	10	6	Calm	0	Calm	0	Calm	0	0·0	1·1
12	63·4	61·8	61·4	18·9	11·2	16·5	17·7	15·1	56	54	65	7·7	8·0	8·3	4	3	2	ENE	4	NNE	2	NE	7	0·0	1·1
13	61·0	59·8	60·5	20·0	12·2	13·3	19·0	14·1	73	53	77	8·3	8·7	9·2	4	3	2	Calm	0	NE	6	Calm	0	0·0	1·1
14	61·8	60·8	61·9	20·3	10·2	15·1	17·7	15·1	66	48	67	8·4	7·1	8·6	10	3	3	Calm	0	N	3	N	2	0·0	1·4
15	62·3	59·8	60·0	20·9	11·1	14·9	20·3	14·5	68	43	72	8·6	7·5	8·8	0	2	10	Calm	0	NW	3	WSW	8	Drops	1·4
16	60·3	60·5	60·9	19·4	10·9	14·0	19·3	15·2	61	43	64	7·2	7·2	8·3	3	0	2	WSW	2	W	15	Calm	0	0·0	2·1
17	61·6	59·6	58·7	20·8	9·8	12·0	18·6	16·0	69	51	69	7·2	8·0	9·4	8	10	10	Calm	0	ENE	4	E	7	0·5	2·0
18	56·9	55·6	56·5	19·3	11·3	13·4	18·8	14·2	74	50	64	8·5	9·0	7·7	8	1	3	E	2	SW	9	WSW	11	0·2	2·0
19	57·2	56·9	58·9	17·9	9·7	11·5	15·8	17·0	93	53	69	9·4	7·9	9·9	9	10	9	SW	8	NW	20	NW	7	1·8	1·4
20	60·9	59·9	60·8	20·3	11·1	17·2	19·6	16·6	57	50	61	8·3	9·5	8·6	5	4	7	NNW	25	N	28	NW	18	0·0	2·9
21	61·1	60·4	61·1	22·3	11·1	16·9	21·0	15·9	61	44	59	8·6	8·1	8·0	7	3	3	NW	13	NNW	11	Calm	0	0·0	1·8
22	58·2	54·0	57·2	20·4	11·1	12·1	19·2	18·0	74	45	35	7·8	7·4	5·4	9	9	8	S	8	S	24	W	24	Drops	5·0
23	55·1	54·4	55·9	17·9	9·8	10·9	17·0	15·3	90	53	66	8·7	7·9	8·6	7	10	10	SW	33	W	59	W	46	6·0	2·4
24	55·9	55·6	57·5	17·7	10·2	14·3	16·9	16·2	84	69	67	10·1	9·8	9·2	7	9	4	W	58	W	46	WNW	43	11·5	2·4
25	58·0	58·3	58·9	16·9	10·7	11·0	13·1	14·4	87	75	72	8·4	8·4	8·7	10	10	7	WNW	22	WNW	7	W	30	12·1	1·0
26	59·4	59·4	60·3	16·4	8·9	11·0	16·4	13·1	77	55	53	7·6	7·5	6·0	2	2	2	SW	15	SW	26	SW	5	Drops	2·0
27	61·1	59·9	59·7	17·9	8·2	9·1	17·5	13·1	75	41	58	6·5	6·1	6·6	2	7	9	SE	2	SSE	8	SE	6	0·0	3·2
28	60·5	59·7	60·1	18·8	8·4	10·2	18·8	15·7	70	28	52	6·5	4·6	6·8	10	10	10	SE	8	SE	12	ESE	5	0·0	4·1
29	60·8	59·5	60·6	21·1	9·7	14·2	20·7	18·0	46	67	63	5·0	12·2	9·8	10	8	10	SW	7	NW	5	NW	7	0·0	1·0
30	60·3	58·7	58·6	21·3	13·6	17·1	20·2	19·7	78	66	60	11·3	11·6	10·3	10	7	8	Calm	0	Calm	0	ENE	3	0·0	0·9
31	57·3	53·9	55·9	20·9	12·9	14·1	18·5	17·3	90	67	77	10·6	10·6	11·3	10	6	7	E	14	SE	2	WNW	37	0·0	2·0
Month	60·49	59·42	60·15	19·7	11·2	14·1	18·2	15·7	73	56	65	8·7	8·7	8·7	6.5	6·1	6·3	—	10·9	—	15·5	—	12·5	64·6	1·95

Remarks.—4 ● ° 23h15–23h30, ● ² 23h35–24h.—5 ● ² 0h50–7h, ● ° 7h15–7h45, ● 7h55–9h.—6 ● ° 19h–19h17, 22h–22h ●. ● 23h10–23h30.—7 ● ° 23h–24h, 3h45–4h, 4h7–4h15, 8h10–10h32, 16h20–18h, ● 3h10–3h30, 20h45–24h, ⌒ W 7h35, N 8h, E 16h, ● ² 15h28–15h36.—8 ● ² 3h50–7h10, 20h20–23h40, ⌒ E 8h30, 16h, ● ° 9h10–10h40, 13h5–15h40.—9 ● ° 0h15–1h20, 8h16–12h, 18h, ● 3h10–3h30, 20h45–24h, ⌒ W 7h35, N 8h, E 16h, ● ² 15h28–15h36.—8 ● ² 3h50–7h10, 20h20–23h40, ⌒ E 8h30, 16h, ● ° 9h10–10h40, 13h5–15h40.—9 ● ° 0h15–1h20, 8h16–12h, 12h5–14h, 22h10–22h30, ● ² 2h–3h40, 8h3–8h15, ⌒ N 7h10, N & E 8h16–12h.—10 ● ° 1h17–3h50.—15 ● ° 19h30–19h35.—17 ● ° 17h57–18h.—18 ° 1h45–1h55, 3h30–4h, < E 19h30–20h.—19 ● ° 5h10–5h40, 8h15–8h25, 15h30–16h10, ⌒ W 8h10, E 15h30. 14h–14h25.—20 ● ° 4h–4h7.—22 ● ° 11h, 11h53, 13h35–13h40.—23 ∞ 12h–17h, 17h55, 18h, ● ° 17h56–17h58, 20h–20h30, 21h10–21h30, ☾ 19h–20h, ● ² 20h10–20h55.—24 ☄ 1h10, ● ² 2h40–2h47, 3h10–3h21, 12h20–12h30, 12h45–13h, ● ° 8h–8h5, 9h20–9h40, 10h45–10h55, 11h14–11h19, ● ° 17h56–17h58, 20h–20h30, 21h10–21h30, ☾ 19h–20h, ● ² 20h10–20h55.—24 ☄ 1h10, ● ² 2h40–2h47, 3h10–3h21, 12h20–12h30, 12h45–13h, ● ° 8h–8h5, 9h20–9h40, 10h45–10h55, 11h14–11h19, 11h50–12h5, ● 13h58–14h3.—25 ☾ ▲ ● ² 5h10–5h25, ● ² 5h40–5h45, 8h–8h5, 8h55–9h10, ● 6h25–6h40, ● ° 10h45–10h55, 11h25–12h10, 13h30, 15h10–15h15, ⌒ E 14h5, ▲ ● ² 13h15–13h25, ☾ to 13h55, < 18h.—26 ● ² 2h45–2h55, ● ° 12h5–12h30.

KHARTOUM (Gordon College).

$\varphi = 15° 36' 33''$ N. $\lambda = 32° 33'$ E. H = 390·0 m. $h_t = 1·8$ m. $h_r = 1·2$ m.

$C_h = + 33·3$ mm.

January 1917.

Date	Standard Pressure (mm.) 8 h. (700 +)	14 h. (700 +)	20 h. (700 +)	Air Temperature (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	Wind Direction and Force (0-10) 8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	28·1	25·5	26·8	26·7	11·4	14·6	26·2	20·1	33	16	18	4·0	3·9	3·1	0	0	0	N	5	NNE	3	N	5	0·0	12·9
2	28·6	26·6	27·7	24·5	12·3	14·9	23·9	18·8	22	7	16	2·7	1·6	2·7	0	0	0	N	3	N	3	N	4	0·0	12·9
3	29·4	27·2	28·0	23·1	11·0	13·3	22·3	18·0	32	13	26	3·7	2·6	4·1	0	0	0	NNE	4	NNE	3	N	3	0·0	10·3
4	29·3	27·1	27·6	24·5	8·0	12·5	23·9	18·6	39	18	28	4·2	3·9	4·5	0	0	0	N	4	NNE	4	N	3	0·0	10·9
5	28·3	26·7	27·3	25·1	10·2	11·9	24·8	19·1	32	12	20	3·3	2·7	3·3	0	0	0	NNE	4	N	4	N	4	0·0	12·2
6	28·3	26·1	26·8	25·9	9·2	14·5	25·6	19·1	25	14	23	3·0	3·5	3·7	0	0	0	N	5	N	5	N	3	0·0	13·1
7	27·7	25·4	26·1	26·9	10·0	14·8	26·6	20·1	26	20	29	3·2	4·9	5·0	0	0	0	NNE	4	NE	4	NNE	4	0·0	10·6
8	27·0	24·9	25·5	27·2	11·6	14·6	26·7	20·2	39	22	31	4·8	5·6	5·5	0	0	0	NNE	4	NNE	5	N	3	0·0	13·8
9	26·9	24·6	25·5	30·0	11·9	15·7	29·3	23·4	33	22	35	4·4	6·6	7·6	1	0	0	NNE	5	E	4	N	3	0·0	10·2
10	27·9	2·4	26·1	30·9	14·9	18·1	30·4	23·8	48	20	28	7·4	6·4	6·1	0	0	0	NNE	4	NNE	4	N	4	0·0	11·6
11	26·7	24·0	24·8	32·4	15·8	18·6	31·6	26·3	47	25	26	7·5	8·1	6·5	0	0	0	NNE	4	NE	5	N	4	0·0	12·5
12	26·6	24·2	25·1	32·2	17·8	19·7	31·5	25·0	47	23	28	8·0	8·0	6·6	0	0	0	NNE	3	N	5	N	4	0·0	13·1
13	26·5	23·3	23·8	32·0	17·6	20·8	31·1	23·7	54	25	47	9·0	8·4	10·2	0	0	0	NNE	4	N	3	Calm	0	0·0	8·9
14	25·5	22·9	23·9	34·9	17·6	20·3	34·0	20·9	60	25	33	10·6	10·0	8·5	0	1	0	Calm	0	Calm	0	N	1	0·0	9·7
15	24·5	22·3	23·6	35·7	18·0	21·3	35·1	27·7	52	18	28	9·7	7·6	7·7	1	2	0	N	2	NE	1	N	3	0·0	11·9
16	25·1	22·8	23·4	34·1	16·9	20·7	33·6	27·3	51	13	19	9·2	5·2	4·9	2	0	0	Calm	0	NE	2	NE	2	0·0	13·4
17	25·0	22·9	23·7	34·8	17·1	19·2	34·5	27·1	40	12	14	6·6	5·0	3·6	0	0	0	NNE	1	E	1	Calm	0	0·0	13·7
18	24·9	22·5	23·5	36·9	17·8	20·3	36·3	27·3	31	7	16	5·4	3·1	4·4	0	0	0	Calm	0	W	1	Calm	0	0·0	12·1
19	24·8	22·6	24·0	36·4	18·0	21·1	36·2	27·2	36	9	15	6·6	3·8	4·0	4	0	0	Calm	0	Calm	0	N	3	0·0	17·5
20	25·7	24·0	24·6	32·8	17·5	21·4	32·3	27·1	16	8	11	3·1	2·8	2·9	2	0	0	NNE	4	N	4	N	4	0·0	17·8
21	27·3	24·7	25·7	30·3	13·7	18·1	29·8	22·6	15	14	25	2·4	4·5	5·1	0	0	0	N	4	NNE	4	N	4	0·0	19·0
22	27·6	26·0	26·5	26·4	13·4	16·6	25·7	19·5	18	6	15	2·0	1·0	2·6	0	0	0	N	4	NNE	4	N	2	0·0	14·6
23	27·9	25·4	26·6	28·2	10·3	15·2	27·6	20·3	19	8	24	2·4	2·1	4·2	0	0	0	NNE	4	NE	3	N	3	0·0	13·8
24	27·2	25·1	25·7	30·2	11·3	15·2	29·9	23·8	19	11	18	2·4	3·0	3·8	0	0	0	NNE	5	Calm	0	N	3	0·0	12·6
25	27·1	25·5	26·1	29·9	13·4	17·3	28·8	23·1	30	10	18	4·4	2·8	3·7	0	—	0	NNE	4	N	5	N	4	0·0	16·5
26	27·7	24·8	25·6	29·6	13·4	16·7	29·1	23·4	22	13	13	3·1	3·8	2·9	2	4	0	NNE	5	N	5	N	4	0·0	15·1
27	26·5	24·7	25·8	28·8	13·3	16·3	27·8	22·4	24	10	21	3·2	2·[illegible]	4·1	2	1	0	N	3	N	4	NNE	4	0·0	15·5
28	26·4	23·7	24·4	32·4	14·2	18·0	31·7	24·8	19	11	20	3·0	3·8	4·8	1	1	0	N	4	NE	2	N	4	0·0	14·1
29	25·5	23·6	24·4	31·5	15·3	18·4	30·8	23·8	24	10	18	3·7	3·[illegible]	3·8	0	0	0	NNE	3	NE	3	Calm	0	0·0	13·6
30	25·3	22·7	23·7	34·4	15·4	18·0	32·8	26·6	29	8	10	4·[illegible]	2·[illegible]	2·[illegible]	1	1	0	Calm	0	Calm	0	Calm	0	0·0	11·1
31	24·8	23·2	24·5	34·4	16·1	20·4	34·1	25·6	29	7	14	5·2	2·8	3·[illegible]	0	0	0	Calm	0	NE	2	NNE	3	0·0	13·8
Month	26·78	24·53	25·38	30·4	14·0	17·4	29·8	23·3	33	11	22	5·[illegible]	4·[illegible]	4·[illegible]	0·[illegible]	0·3	0·[illegible]	—	3·1	—	3·0	—	2·8	0·0	13·20

Remarks:—25 ∞ 14h.

$C_h = + 32·8$ mm.

February 1917.

Date	Standard Pressure (mm.) 8 h. (700 +)	14 h. (700 +)	20 h. (700 +)	Air Temperature (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	Wind Direction and Force (0-10) 8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	25·5	23·2	24·6	34·0	15·8	18·4	33·7	24·9	18	8	14	2·9	3·1	3·3	0	0	0	NNE	3	ENE	4	NE	3	0·0	16·2
2	26·0	22·7	23·8	34·0	15·9	18·9	33·3	25·1	30	7	18	4·9	2·8	4·4	0	0	0	ENE	2	NE	3	NNE	3	0·0	15·5
3	25·3	23·0	24·3	33·0	16·0	19·7	32·6	26·5	20	12	19	3·3	4·3	4·9	0	1	0	NNE	4	NNE	4	N	4	0·0	14·3
4	25·3	23·3	24·4	33·5	15·9	18·8	33·0	26·9	16	20	25	3·0	7·4	6·5	2	0	0	NE	4	NE	2	NNE	3	0·0	13·1
5	25·7	23·0	24·5	33·4	17·3	19·8	32·9	27·4	35	9	16	6·1	3·5	4·3	1	1	0	N	4	N	4	N	4	0·0	14·7
6	25·2	23·3	23·4	32·4	16·3	19·9	31·6	25·7	27	11	24	4·7	3·8	5·6	1	0	0	N	3	N	2	N	1	0·0	14·8
7	24·5	22·6	23·4	34·9	16·0	19·3	32·6	26·7	27	16	18	4·5	6·0	4·6	1	0	0	NNE	4	Calm	0	N	4	0·0	12·7
8	25·4	23·3	23·9	33·2	17·8	21·5	32·6	26·3	47	19	27	9·0	7·4	6·7	0	0	0	NE	4	NNE	5	N	3	0·0	12·0
9	25·6	23·7	24·3	33·0	18·0	22·1	32·2	27·8	42	22	29	8·2	7·9	8·0	1	0	0	NNE	4	NNE	3	Calm	0	0·0	12·7
10	25·6	23·0	22·8	33·5	18·5	22·4	32·9	27·0	40	25	30	7·9	9·1	7·9	1	1	0	N	4	NNE	2	N	2	0·0	11·3
11	24·4	22·1	22·4	35·8	18·2	22·3	33·9	27·6	37	14	24	7·4	5·3	6·8	0	0	0	NNE	1	NNW	2	N	1	0·0	11·9
12	23·7	23·3	25·5	33·4	17·3	21·7	32·7	26·9	29	9	23	5·6	3·5	5·9	0	1	0	N	4	NNW	4	NNW	5	0·0	18·1
13	28·4	27·3	28·5	25·6	17·2	18·4	25·2	21·9	21	9	15	3·4	2·2	2·9	—	—	0	N	6	N	4	N	5	0·0	20·2
14	29·6	27·9	27·1	26·5	11·8	15·0	25·7	20·8	29	12	17	3·7	3·0	3·1	0	1	0	N	5	N	1	N	1	0·0	11·0
15	28·2	26·4	27·0	28·4	11·3	15·8	27·6	21·8	24	8	15	3·2	2·1	3·0	0	0	0	N	4	N	1	NNE	4	0·0	12·8
16	28·0	25·4	25·6	30·0	12·9	15·3	29·5	24·0	35	7	15	4·5	2·2	3·2	0	0	0	NNE	2	N	4	N	4	0·0	14·0
17	28·1	25·3	25·6	31·5	14·0	19·3	30·8	23·3	20	9	24	3·3	3·0	5·0	0	1	0	NNE	5	NNE	4	N	3	0·0	16·7
18	27·4	24·6	25·2	29·8	15·0	19·7	29·3	23·8	34	13	15	5·8	4·0	3·3	0	—	0	NNE	5	N	4	NNE	4	0·0	10·9
19	26·3	23·9	24·3	29·2	13·9	16·1	28·9	22·2	31	12	22	4·2	3·0	4·3	0	0	0	NNE	4	NE	4	N	4	0·0	15·5
20	26·1	24·2	24·4	29·4	12·6	17·3	28·7	22·4	19	9	15	2·9	2·5	3·0	0	1	0	NNE	5	NE	4	NNE	4	0·0	15·4
21	26·6	24·5	24·9	30·0	11·9	17·2	29·4	22·6	22	4	18	3·3	1·1	3·8	1	1	0	NNE	4	NNE	4	N	4	0·0	16·0
22	26·1	23·6	24·4	32·9	13·2	17·6	30·6	24·8	15	8	13	2·2	2·8	3·1	1	2	0	NNE	4	NE	5	N	4	0·0	18·1
23	25·7	22·9	23·4	33·3	14·6	19·3	32·4	25·9	22	5	13	3·5	1·8	3·1	1	1	0	NNE	4	NE	5	N	4	0·0	18·3
24	24·7	22·6	23·3	33·2	14·9	19·8	32·0	25·3	18	17	20	3·0	6·2	4·9	1	1	0	N	4	NNE	4	NNE	3	0·0	15·0
25	24·8	23·0	23·1	34·0	17·3	22·3	32·9	27·7	24	14	13	4·9	5·2	3·6	1	2	0	NNE	4	NE	4	N	4	0·0	17·0
26	23·3	21·1	22·4	35·0	18·2	21·8	33·9	26·5	23	9	13	4·5	3·6	3·2	0	0	0	NNE	4	N	5	N	4	0·0	23·4
27	23·4	21·7	22·6	33·4	17·9	22·9	32·2	27·3	16	5	5	3·3	1·9	1·4	0	—	0	NE	4	N	5	N	4	0·0	24·1
28	24·6	22·1	23·6	29·4	17·6	19·1	28·8	24·0	16	6	8	2·5	1·6	1·8	0	0	0	N	5	NNE	4	N	5	0·0	18·2
Month	25·84	23·70	24·36	32·0	15·6	19·3	31·1	25·1	26	11	18	4·5	4·0	4·3	0·4	0·6	0·0	—	3·9	—	3·5	—	3·4	0·0	15·80

Remarks:—13 ∞ 8h, 14h.—18 ∞ 14h.—27 ∞ 14h.

KHARTOUM (Gordon College).

$\varphi = 15° 36' 33''$ N. $\lambda = 32° 33'$ E. H = 390·0 m. $h_t = 1·8$ m. $h_r = 1·2$ m.

C_h = + 32·8 mm.

March 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND FORCE (0-10) 8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	25·7	23·8	24·6	28·0	12·2	16·8	27·6	22·7	18	8	12	2·6	2·2	2·4	0	0	0	NNE	5	NNE	3	N	4	0·0	15·6
2	25·8	23·9	24·8	29·5	12·8	14·9	28·5	22·3	22	14	16	2·7	4·1	3·4	0	0	0	N	4	N	4	N	4	0·0	17·0
3	25·9	23·1	23·7	31·4	13·6	18·7	30·4	23·0	16	10	15	2·6	3·3	3·3	1	0	0	NNE	4	NE	4	NNE	3	0·0	15·5
4	25·9	22·9	23·6	33·5	14·8	20·3	32·5	24·7	16	10	15	2·8	3·7	3·5	0	1	0	NNE	4	N	4	NNE	4	0·0	13·2
5	25·2	23·4	23·8	34·9	16·3	21·0	34·5	26·9	24	6	15	4·5	2·4	3·8	1	0	0	NNE	3	NNE	3	NNE	3	0·0	17·5
6	25·5	23·5	24·5	33·9	19·6	21·5	33·5	27·7	23	6	14	4·3	2·4	3·9	—	—	—	N	4	N	5	N	4	0·0	21·8
7	25·1	22·9	23·6	32·4	17·2	19·3	31·3	26·2	16	11	13	2·6	3·9	3·1	—	0	0	N	4	NNE	3	N	4	0·0	17·1
8	25·6	23·5	24·4	33·3	16·6	21·3	32·2	24·7	18	13	28	3·4	4·7	6·5	0	0	0	NNE	3	NNW	2	NNE	2	0·0	12·8
9	24·7	22·1	23·1	34·7	16·2	20·5	33·6	26·7	28	14	24	5·1	5·5	6·1	0	0	0	NNE	1	NE	1	N	1	0·0	11·5
10	24·5	23·1	24·6	34·5	17·4	24·4	34·0	26·8	15	8	12	3·3	3·0	3·1	—	—	0	N	5	WNW	3	N	3	0·0	20·3
11	27·9	26·1	26·1	27·3	16·3	18·3	26·4	21·8	17	12	9	2·7	3·0	1·7	—	—	0	N	6	N	5	N	4	0·0	18·2
12	28·1	26·7	26·7	28·6	13·4	17·9	26·9	25·6	19	11	11	3·0	2·7	2·5	0	0	0	N	4	NNE	4	N	4	0·0	16·7
13	26·8	24·6	24·7	30·5	12·6	17·8	29·5	23·8	17	7	10	2·7	2·2	2·1	0	0	0	NNE	5	N	3	N	4	0·0	15·4
14	26·1	24·8	25·1	32·0	13·5	19·9	31·1	25·5	14	8	12	2·5	2·8	3·0	0	0	0	NNE	4	NNE	4	N	2	0·0	16·7
15	26·9	25·2	25·2	32·7	15·9	21·5	32·1	27·1	8	5	11	1·6	1·7	2·8	0	—	0	N	3	N	5	N	4	0·0	20·3
16	26·7	24·0	24·9	34·3	16·9	21·0	33·4	27·2	14	9	14	2·5	3·5	3·9	—	0	0	NNE	5	N	4	NNE	3	0·0	17·5
17	25·7	22·7	23·1	36·4	19·0	23·0	35·5	30·5	17	14	17	3·5	6·4	5·7	0	0	0	NNE	3	NNE	4	N	1	0·0	17·4
18	22·6	21·6	22·3	38·0	20·4	25·7	37·1	29·0	21	16	16	4·9	7·4	4·9	—	0	0	NNE	5	NNE	3	N	2	0·0	14·6
19	23·5	21·4	21·8	38·3	21·3	26·6	37·3	32·2	23	13	23	5·0	6·3	8·2	0	0	0	NE	2	N	2	NNE	2	0·0	16·5
20	23·2	21·0	21·8	39·2	22·5	27·7	37·6	31·7	18	7	14	5·0	3·2	5·1	0	0	0	NE	4	N	2	NW	2	0·0	21·9
21	22·7	20·7	21·5	40·2	23·6	27·7	39·3	33·2	11	12	15	3·0	6·1	5·7	0	0	0	NNW	4	E	1	N	1	0·0	20·7
22	22·9	20·7	21·5	40·5	24·0	28·5	39·9	33·6	16	9	11	4·5	5·1	4·3	0	0	0	NNE	4	NE	3	NNE	3	0·0	20·1
23	23·1	20·6	21·1	40·5	22·4	27·6	40·2	33·6	22	6	8	6·2	3·1	3·1	0	0	0	NE	4	ENE	4	NNE	2	0·0	19·6
24	22·4	20·2	20·6	39·6	21·7	27·1	38·7	30·1	17	5	11	4·6	2·5	3·5	—	0	0	NNE	4	NNE	2	N	2	0·0	20·5
25	21·8	19·9	20·4	39·6	21·7	27·7	39·4	32·3	18	3	6	4·8	1·8	2·1	0	0	0	NE	4	NNE	5	N	4	0·0	23·5
26	21·6	19·8	20·4	40·3	21·9	27·2	39·4	31·8	13	4	7	3·6	2·1	2·4	0	0	0	N	3	N	2	NNE	4	0·0	20·9
27	22·3	20·5	20·8	39·0	21·8	28·1	38·3	29·6	21	5	16	5·7	2·6	5·1	0	0	0	NNE	4	NNE	4	N	1	0·0	19·2
28	22·2	20·1	20·9	39·3	20·4	27·3	38·3	31·3	24	7	15	6·3	3·6	5·2	0	0	0	NE	3	NNW	1	N	1	0·0	15·4
29	22·6	20·0	20·1	42·8	20·3	27·7	22·1	33·7	24	7	17	6·7	4·6	6·5	0	0	0	Calm	0	SSE	3	Calm	0	0·0	15·5
30	22·3	19·5	19·6	42·9	25·3	29·7	41·0	34·4	31	9	11	9·0	5·1	4·4	—	1	0	NE	4	Calm	0	NNE	4	0·0	17·9
31	22·2	19·3	19·6	41·2	24·7	29·1	39·8	34·2	30	12	13	8·9	6·8	5·3	—	0	0	ENE	4	E	2	NNE	3	0·0	16·6
Month	24·44	22·33	22·87	35·8	18·6	23·4	34·9	28·4	19	9	14	4·5	3·8	4·1	—	0·1	0·0	—	3·7	—	3·1	—	2·7	0·0	17·66

Remarks:—6 ∞ 8h, 14h, 20h.—7 ∞ 8h.—10 ∞ 8h, 14h.—11 ∞ 8h, 14h.—15 ∞ 14h.—16 ∞ 8h.—18 ∞ 8h.—24 ∞ 8h.—30 ∞ 8h.—31 ∞ 8h.

C_h = + 32·0 mm.

April 1917.

Date	8 h.	14 h.	20 h.	Max.	Min.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain	Evaporation
1	22·7	19·9	19·7	40·8	24·7	30·1	40·0	35·0	26	14	15	8·3	8·0	6·4	—	1	0	ESE	3	Calm	0	N	2	0·0	14·7
2	21·9	18·9	19·4	41·9	24·6	29·5	40·4	33·3	18	8	14	5·6	4·8	5·5	0	1	0	NE	3	WNW	2	N	1	0·0	15·4
3	22·4	19·7	20·1	41·0	22·5	31·1	40.2	33·7	35	15	22	11·6	8·4	8·5	7	8	—	SW	4	WNW	1	WNW	5	0·0	17·5
4	24·3	22·6	22·6	36·0	26·4	28·0	35·3	29·7	25	14	16	7·1	5·9	5·0	10	10	0	WNW	3	NW	3	N	4	0·0	17·8
5	24·9	23·0	23·0	35·9	21·5	25·2	34·8	28·3	19	6	13	4·4	2·5	3·8	3	5	3	N	4	NNE	2	N	1	0·0	17·3
6	25·2	22·7	22·9	36·4	20·4	25·0	35·3	28·7	13	4	8	3·1	1·6	2·2	1	0	0	N	3	NNW	2	NNW	2	0·0	19·5
7	24·9	23·0	23·0	35·2	17·5	24·2	33·3	26·2	7	3	20	1·5	1·2	4·9	0	0	0	N	4	N	1	Calm	0	0·0	16·9
8	24·3	22·8	23·1	37·0	18·0	22·8	35·9	27·4	13	4	22	2·6	1·6	5·9	0	0	0	NNE	2	NNE	2	Calm	0	0·0	16·7
9	24·1	22·4	22·6	37·5	19·6	26·0	36·8	26·7	9	6	22	2·2	2·8	5·6	0	0	0	NNE	2	Calm	0	N	1	0·0	16·5
10	24·0	22·3	22·5	37·3	19·9	25·8	36·0	29·3	9	5	13	2·3	2·2	4·0	0	0	0	NNE	2	NW	3	NNW	1	0·0	15·5
11	24·0	22·3	22·2	38·5	18·6	27·8	37·8	30·6	9	6	10	2·5	3·1	3·3	1	0	0	NNE	4	E	2	N	3	0·0	16·6
12	24·2	22·3	22·6	36·3	20·4	27·7	38·4	30·9	19	8	15	5·1	3·8	5·0	0	0	0	NNE	4	NW	3	NNW	3	0·0	17·3
13	24·2	22·0	22·1	38·5	20·9	27·9	37·6	30·7	12	3	9	3·5	1·5	3·1	0	0	0	NNE	3	NW	3	NW	1	0·0	23·1
14	24·9	23·3	23·1	37·3	22·3	27·4	36·1	30·1	8	1	6	2·2	0·5	2·1	0	—	0	NNE	4	N	4	N	1	0·0	23·7
15	24·8	22·5	22·3	38·0	19·1	26·5	35·4	28·9	10	3	14	2·5	1·1	4·2	0	0	0	NNW	1	Calm	0	WNW	2	0·0	15·4
16	23·9	21·2	21·4	38·0	21·9	27·3	37·2	31·0	9	10	12	2·4	4·7	4·2	—	1	0	NNE	5	WNW	1	N	3	0·0	20·3
17	23·6	21·6	21·9	39·0	20·0	28·1	37·0	30·3	9	7	20	2·6	3·3	6·3	0	1	0	NNE	4	N	1	N	1	0·0	16·6
18	23·9	21·4	21·2	40·2	20·6	25·6	38·4	30·8	10	10	16	4·6	5·0	5·5	3	5	0	NE	1	Calm	0	N	1	0·0	14·9
19	23·4	21·8	22·2	41·0	20·3	29·3	39·3	32·7	10	7	4	3·1	3·6	1·6	0	0	0	NE	2	Calm	0	N	1	0·0	16·6
20	23·6	22·1	22·0	41·6	21·9	29·9	40·9	32·3	8	5	13	2·5	3·1	4·6	2	2	0	N	3	WSW	1	NNW	1	0·0	16·5
21	23·0	21·1	21·3	42·0	22·3	30·2	41·7	33·4	10	4	11	3·3	2·5	4·2	0	0	0	NNE	3	Calm	0	NW	2	0·0	21·4
22	22·6	20·4	20·1	40·8	25·6	30·0	39·1	32·9	11	13	14	3·7	6·9	5·2	—	6	0	NNE	5	ENE	2	NNE	3	0·0	21·8
23	22·9	21·1	20·9	39·0	25·6	29·9	38·3	32·3	29	11	16	9·2	5·7	5·8	4	6	0	NE	4	ENE	4	N	2	0·0	19·7
24	23·0	21·2	21·0	39·0	23·4	29·7	38·1	30·2	17	10	23	5·3	5·2	7·4	2	2	0	NE	4	NE	2	NNE	1	0·0	18·3
25	23·6	21·4	21·9	41·0	29·1	30·5	40·0	30·9	33	12	21	10·8	6·5	7·1	3	2	0	S	3	Calm	0	Calm	0	0·0	14·7
26	23·5	20·5	20·9	41·5	25·7	31·5	40·6	31·3	30	9	25	10·5	5·0	8·6	0	1	0	E	5	W	1	Calm	0	0·0	14·2
27	23·1	20·5	19·9	41·5	24·9	30·7	40·1	33·8	33	8	12	10·6	4·6	4·8	0	2	0	SSE	4	Calm	0	N	2	0·0	17·4
28	22·5	20·7	20·9	42·6	24·3	29·7	42·4	35·0	12	6	11	4·0	3·9	4·5	1	1	0	N	3	NNE	3	NNW	4	0·0	20·8
29	24·7	22·2	23·4	38·5	26·4	27·8	37·9	31·8	18	12	10	4·9	5·9	3·4	10	—	—	NNW	5	NNE	3	N	7	0·0	28·8
30	25·1	22·6	22·5	37·6	23·9	26·1	37·0	32·2	11	14	10	2·8	6·5	3·5	—	2	2	N	5	N	4	NNW	4	0·0	23·8
Month	23·77	21·65	21·76	39·1	22·4	28·0	38·0	31·0	16	8	15	4·8	4·0	4·9	1·8	2·0	0·2	—	3·4	—	1·7	—	2·0	0·0	18·34

Remarks:—1 ∞ 8h.—3 ∞ WNW 16h, 20h.—4 ∞ 8h, 14h.—14 ∞ 14h.—16 ∞ 8h.—22 ∞ 8h.—29 ∞ 8h, 14h, 20h.—30 ∞ 8h.

KHARTOUM (Gordon College).

$\varphi = 15° 35' 33''$ N. $\lambda = 32° 33'$ E. H = 390·0 m. h_t = 1·8 m. h_r = 1·2 m.

C_h = + 32·2 mm.

May 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND FORCE (0-10) 8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	25·0	22·3	23·2	37·0	22·3	24·2	35·8	30·1	15	7	6	3·[illegible]	3·[illegible]	2·[illegible]	2	3	0	NNE	4	N	1	NW	4	0·0	23·9
2	25·2	23·9	24·6	34·5	21·4	24·7	32·7	28·3	12	4	10	2·8	1·0	2·0	4	5	0	NNE	4	NNE	1	N	1	0·0	19·8
3	26·0	23·7	23·8	33·0	18·7	23·8	32·0	26·7	11	7	9	2·5	2·0	2·[illegible]	1	0	0	NNW	4	WNW	3	NW	2	0·0	17·8
4	25·4	23·1	23·[illegible]	35·0	15·8	23·3	34·0	27·7	9	3	6	2·0	1·1	1·6	1	1	0	NNE	3	WNW	2	NNW	2	0·0	17·5
5	24·5	22·6	22·9	35·6	17·5	24·3	34·7	29·3	8	5	12	1·0	2·0	3·5	1	2	0	NNE	4	NW	3	NNW	1	0·0	18·2
6	24·8	22·6	23·4	37·0	20·0	25·7	36·8	28·[illegible]	12	4	10	3·0	2·0	2·8	1	0	0	N	4	W	2	N	2	0·0	16·[illegible]
7	24·5	23·1	23·1	37·6	19·1	26·2	37·3	29·7	9	4	7	2·3	1·0	2·5	0	0	0	NNE	3	NW	1	N	3	0·0	18·8
8	23·8	22·3	21·[illegible]	38·2	20·7	26·5	36·6	29·7	10	6	12	2·5	2·0	3·[illegible]	0	0	0	NNE	3	WSW	1	N	1	0·0	16·[illegible]
9	23·3	21·7	22·1	40·0	17·7	27·6	39·4	30·5	7	4	7	[illegible]	2·1	2·	0	0	0	NNE	4	WSW	2	NNE	2	0·0	17·4
10	23·8	21·9	21·6	39·2	20·9	28·0	37·0	30·4	7	3	12	2·[illegible]	1·[illegible]	4	2	1	0	N	3	NW	3	N	1	0·0	19·3
11	23·2	21·2	21·9	37·4	20·5	27·9	38·8	31·7	8	2	10	2·2	0·[illegible]	3	8	4	0	NNE	2	NNW	4	NW	3	0·0	18·1
12	23·2	21·4	20·8	39·0	21·5	28·6	33·4	31·1	10	3	15	3·9	1·[illegible]	5·	1	0	0	NNW	3	W	2	N	2	0·0	18·6
13	22·9	20·7	20·5	41·7	22·0	29·9	39·7	32·5	10	6	11	3·0	3·[illegible]	3·	2	4	0	NNE	4	NE	2	N	3	0·0	15·6
14	22·1	19·9	20·7	40·7	23·8	29·7	39·4	33·8	20	9	10	6·2	3·0	3·0	4	9	0	NNE	3	NNE	2	N	4	0·0	22·0
15	23·2	20·9	21·7	39·8	24·8	32·3	36·8	34·1	10	9	10	3·4	4·[illegible]	4·	3	5	0	NE	4	NNW	3	N	4	0·0	21·0
16	23·0	21·3	21·4	41·1	23·6	32·6	40·7	36·2	25	10	10	9·2	5·[illegible]	4·	2	8	0	ENE	4	NE	3	NNE	4	0·0	18·9
17	23·8	21·2	21·1	40·4	26·4	34·5	39·3	34·7	14	14	17	5·1	7·1	7·[illegible]	6	4	0	ESE	3	ENE	3	NE	2	0·0	17·7
18	25·2	22·6	22·[illegible]	39·0	20·1	31·5	37·2	32·1	37	17	29	13·4	8·[illegible]	10·3	6	10	0	SSW	4	Calm	0	Calm	0	0·0	12·9
19	25·4	22·4	23·2	41·0	27·3	32·4	40·5	31·8	38	17	41	13·6	9·8	14·[illegible]	3	8	0	SSW	4	SSW	3	ENE	2	0·1	12·3
20	24·6	22·3	22·1	41·2	26·2	32·6	40·6	33·2	30	13	29	11·2	7·[illegible]	10·8	10	1	0	ENE	1	ENE	2	Calm	0	0·0	14·4
21	24·0	22·5	22·2	42·9	27·6	33·8	41·8	34·4	33	16	27	12·0	9·[illegible]	11·	3	5	0	SW	3	WSW	5	Calm	0	0·0	14·5
22	23·7	21·8	23·3	41·0	29·9	34·2	41·8	28·2	39	13	43	12·0	7·7	12·[illegible]	1	2	0	SW	4	WSW	2	SW	6	0·0	20·5
23	26·3	24·2	22·8	38·1	23·9	27·1	37·3	32·7	48	25	31	2·9	3·[illegible]	1·[illegible]	10	10	0	SSW	3	WSW	2	SW	1	0·0	11·9
24	26·2	23·4	22·1	41·6	27·0	32·2	38·6	32·7	37	16	32	13·2	8·5	1·[illegible]	10	10	0	S	3	WSW	1	Calm	0	0·0	13·6
25	26·6	23·5	21·9	40·5	27·3	31·2	39·3	32·2	42	19	40	14·4	10·[illegible]	14·	1	0	0	SW	2	SW	3	Calm	0	0·0	12·4
26	24·0	21·9	21·0	40·0	27·2	32·7	38·3	33·7	33	18	23	12·[illegible]	9·	8·	1	1	0	WSW	3	NNW	2	SE	1	0·0	14·6
27	22·5	20·9	20·7	41·5	27·0	33·1	40·0	33·7	32	8	16	2·[illegible]	4·5	9	0	0	0	Calm	0	NE	2	Calm	0	0·0	16·4
28	24·0	22·9	22·3	40·5	26·6	30·8	38·8	31·7	42	20	39	13·[illegible]	9·[illegible]	3·	0	0	0	SSW	2	Calm	0	Calm	0	0·0	14·5
29	24·6	22·0	20·9	39·5	27·6	30·2	38·8	34·7	44	10	12	4·1	5·1	5·	10	0	0	SNE	3	NE	1	N	2	0·0	21·2
30	24·1	21·0	21·6	39·2	20·4	31·1	37·8	33·3	17	9	10	5·7	4·[illegible]	3·[illegible]	0	0	0	NW	2	N	4	NW	4	0·0	23·0
31	24·8	22·7	22·4	39·5	24·4	29·1	38·8	32·7	1[illegible]	7	8	4·7	3·8	2·	1	3	0	NNW	1	NNW	2	NNE	2	0·0	21·8
Mont.	24·30	22·21	22·21	39·3	23·8	29·4	38·1	31·7	22	10	18	7·2	5·2	6·[illegible]	3·0	3·[illegible]	0·	—	3·0	—	2·2	—	1·0	0·1	17·59

Remarks.—17 ☾ S 20h.—18 ●° N.—19 ●° 17³⁰, ☾ E 19h.—20 ☾ S 19³⁰.—21 ☈ W 14⁵⁰.—22 ∞ S 15³⁰–19³⁰.—24 ∞ S 22h.—26 ∞ E 16³⁵.

C_h = + 32·0 mm.

June 1917.

Date	8 h.	14 h.	20 h.	Max.	Min.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain (mm.)	Evaporation (mm.)
1	25·1	23·2	22·7	41·0	26·5	29·8	39·7	33·6	11	6	11	3·7	3·2	4·[illegible]	0	0	0	NE	1	NW	2	N	2	0·0	19·5
2	24·5	21·8	20·9	42·1	25·5	31·0	40·7	35·9	8	9	14	2·8	4·9	6·3	0	1	9	N	3	NE	2	NNE	1	0·0	20·4
3	23·6	22·2	21·9	41·0	27·6	32·2	39·3	35·6	35	20	23	12·7	10·0	10·	2	9	9	S	7	SW	5	S	1	0·0	22·5
4	24·6	22·0	21·5	41·1	26·8	31·3	40·2	32·7	36	18	35	12·2	10·[illegible]	12·7	2	0	0	S	5	SSW	2	Calm	0	0·0	14·0
5	23·7	21·5	21·2	42·6	25·9	34·6	40·8	33·4	21	8	25	8·0	4·7	9·2	0	0	1	SSW	5	NNW	3	Calm	0	0·0	16·4
6	24·0	22·0	21·1	42·1	25·9	31·2	40·8	36·2	36	5	10	12·[illegible]	2·9	4·5	3	0	0	SW	5	NW	1	NW	3	0·0	20·0
7	23·2	20·8	20·2	42·2	28·8	32·1	41·4	36·3	8	4	5	2·8	2·[illegible]	2·5	5	9	0	N	3	N	5	N	2	0·0	22·0
8	23·1	21·0	19·8	42·1	29·0	30·6	40·8	35·8	39	14	14	12·0	7·8	6·4	0	1	0	SSW	5	Calm	0	Calm	0	0·0	16·4
9	22·3	20·0	19·7	42·6	29·1	32·2	41·3	34·7	12	5	15	4·[illegible]	2·7	5·0	0	0	0	NW	2	NE	3	NNE	1	0·0	17·0
10	22·3	20·2	19·2	42·8	28·3	33·1	40·2	33·7	21	7	23	7·[illegible]	4·0	8·8	9	0	0	Calm	0	NW	2	Calm	0	0·0	16·5
11	22·1	20·9	20·2	42·5	28·8	32·8	41·8	33·7	37	12	19	13·[illegible]	7·4	7·3	9	1	0	WSW	4	SW	2	Calm	0	0·0	16·6
12	23·5	21·0	20·4	41·6	29·3	30·2	40·7	31·5	11	11	25	10·5	6·[illegible]	8·5	0	0	0	SSW	5	WSW	3	Calm	0	0·0	14·0
13	22·0	21·1	20·4	41·3	23·4	31·2	40·0	30·8	37	7	22	12·4	4·2	7·2	1	4	0	SW	4	W	2	Calm	0	0·0	15·9
14	23·2	20·8	20·3	42·7	24·0	31·7	39·3	33·6	30	14	15	10·2	7·1	5·[illegible]	0	0	0	SE	4	Calm	0	Calm	0	0·0	13·0
15	22·7	21·2	20·3	42·4	23·9	30·3	39·8	30·2	37	7	3	11·[illegible]	3·0	7·4	2	1	0	SW	2	Calm	0	Calm	0	0·0	13·5
16	23·4	21·1	21·5	41·5	22·5	29·7	40·8	31·2	36	9	31	11·[illegible]	5·2	10·3	1	1	0	SW	5	S	1	Calm	0	0·0	16·0
17	23·2	20·8	19·8	43·0	26·8	32·2	41·6	34·7	38	10	19	13·[illegible]	6·0	7·0	1	0	0	SW	5	NE	3	S	5	0·0	16·3
18	21·9	18·9	18·6	42·5	26·5	29·7	41·4	35·4	42	17	16	13·[illegible]	10·2	6·9	3	2	0	SW	5	WNW	1	S	1	0·0	17·9
19	22·4	20·0	20·6	40·6	25·6	29·7	40·2	35·7	47	19	18	14·0	10·4	8·1	0	0	0	SW	6	SW	4	S	4	0·0	23·0
20	23·8	21·7	22·2	42·5	27·8	31·7	39·8	34·2	43	17	37	14·8	9·0	14·7	1	0	0	SSW	6	SW	5	SW	5	Drops	19·6
21	24·4	22·6	22·9	41·4	29·0	30·9	40·[illegible]	34·2	41	17	29	3·0	9·0	11·4	1	0	0	SSW	4	SSW	2	S	2	Drops	15·7
22	24·6	23·3	22·4	38·6	24·5	30·2	38·2	32·7	60	23	32	9·1	11·7	11·0	1	0	1	SSW	4	SSW	2	S	2	0·0	14·7
23	24·5	21·0	23·0	39·5	25·2	28·7	39·3	26·7	58	24	64	17·0	12·0	16·0	1	3	4	SE	3	SSE	1	NNW	3	12·0	8·0
24	25·3	24·1	24·8	32·4	20·9	22·6	31·3	27·2	81	49	71	16·[illegible]	16	20·0	4	2	0	SSE	3	S	3	SSE	1	0·0	[illegible]·5
25	25·8	24·8	24·4	36·4	22·6	27·2	34·4	30·9	71	49	47	19·[illegible]	19·[illegible]	15·6	1	1	0	S	1	S	1	S	2	0·0	9·8
26	25·2	23·2	22·4	37·0	25·5	27·7	29·8	30·7	67	58	51	15·0	18·0	16·0	4	1	0	S	1	Calm	0	WSW	1	0·5	8·6
27	24·5	23·3	22·1	35·9	23·1	26·7	34·2	31·2	70	35	45	18·[illegible]	13·8	15·[illegible]	3	2	0	SSW	2	SW	1	S	1	0·0	10·0
28	24·1	22·2	23·7	38·2	25·4	29·6	36·6	22·8	55	31	92	17·[illegible]	14·[illegible]	19·0	1	1	4	SSW	1	SW	1	E	4	19·4	8·5
29	24·7	24·0	24·2	32·5	22·8	—	30·1	28·2	—	54	68	—	17·[illegible]	19·4	4	2	1	SSE	5	SW	3	Calm	0	0·0	5·5
30	25·0	22·0	22·3	37·4	—	28·7	30·9	31·7	54	52	49	15·7	17·[illegible]	17·6	4	2	2	SSW	1	Calm	0	Calm	0	1·7	10·7
Month	23·85	21·78	21·40	40·1	25·6	30·3	38·6	32·5	41	20	32	12·6	9·2	10·6	2·1	1·4	1·[illegible]	—	3·6	—	2·0	—	1·4	33·6	14·92

Remarks.—8 ☾ S 20h.—10 ∞ S 23³⁰.—21 ∞ 12h.—22 ∞ ☾ ☔ ●° 1h.—23 ●² 15h–16³⁰, ☈ 15³⁰.—26 ☈ 22h, ●° 23h–24h.—27 ●° 0h–1h.—28 ●² ☈ 19h–24h.—29 ●² ☈ 0h–3h.

KHARTOUM (Gordon College).

$\varphi = 15° 36' 33''$ N. $\lambda = 32° 33'$ E. H = 390·0 m. $h_t = 1·8$ m. $h_r = 1·2$ m.

C_h = + 31·4 mm.

July 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount. (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND FORCE (0-10) 8 h. Direct.	Force	14 h. Direct	Force	20 h. Direct.	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	23·7	22·3	22·6	37·0	20·9	28·2	35·0	28·6	48	28	63	13·0	11·5	10·2	4	1	0	SW	2	WSW	2	S	2	0·0	9·1
2	24·2	22·7	22·9	37·0	25·1	29·1	35·3	30·7	54	35	46	16·2	15·0	15·0	0	1	1	SW	1	SSW	1	SSW	1	0·0	10·9
3	26·1	23·5	22·4	39·4	26·4	27·7	37·3	32·7	65	25	38	17·8	12·1	13·6	1	0	1	SSW	6	NW	1	NW	1	0·0	10·8
4	23·4	22·0	20·6	40·5	—	32·1	38·2	33·9	47	12	18	16·6	5·9	7·2	0	0	0	NE	1	NE	1	N	1	0·0	17·4
5	21·5	20·1	20·5	40·5	26·0	30·2	39·8	32·8	25	12	22	7·9	6·8	8·2	3	2	5	Calm	0	NW	1	S	1	0·0	14·1
6	22·6	21·2	21·1	41·0	26·9	30·7	40·2	31·8	51	11	31	16·7	5·9	10·8	1	3	0	SW	3	NW	3	Calm	0	0·0	14·8
7	24·3	22·6	22·1	39·0	26·4	29·7	38·3	34·2	42	20	26	13·1	10·5	10·4	5	3	0	SW	4	W	3	SSW	3	0·0	13·7
8	24·2	22·3	21·8	40·6	27·8	31·8	39·8	34·5	42	18	22	14·5	10·3	9·0	1	2	0	SW	4	WSW	2	SSW	1	0·0	12·8
9	24·0	22·0	21·0	40·7	27·7	32·5	38·8	34·0	36	14	22	13·2	7·4	8·8	1	0	0	SW	2	NW	1	Calm	0	0·0	15·8
10	22·9	20·8	20·0	42·3	26·9	33·7	40·3	35·1	18	12	19	7·9	6·[illegible]	8·1	0	0	0	SE	1	N	1	NW	1	0·0	18·8
11	23·3	21·5	21·3	40·1	26·4	28·7	38·7	33·5	53	18	20	15·4	9·2	7·8	3	6	0	SW	6	NW	2	SE	1	0·0	14·5
12	23·1	21·5	21·1	41·0	24·4	31·1	40·7	29·6	14	8	29	4·9	4·7	9·0	0	0	0	NW	1	WNW	3	N	1	0·0	20·0
13	22·7	21·2	20·4	41·0	26·9	33·2	40·2	33·7	16	7	15	5·9	4·6	5·9	1	4	0	E	1	WNW	3	Calm	0	0·0	16·3
14	23·0	21·0	20·6	40·9	28·3	32·7	40·4	33·3	21	9	21	7·6	4·9	7·9	8	1	0	NE	2	WNW	1	Calm	0	0·0	13·7
15	23·1	20·9	20·8	40·6	25·9	32·2	39·3	31·8	18	14	31	6·5	7·1	11·0	1	0	0	SSE	1	NW	1	NW	1	0·0	15·9
16	22·6	20·9	20·5	42·0	28·2	31·7	41·2	35·2	20	10	16	7·0	6·6	6·6	0	0	0	N	3	WNW	3	WNW	1	0·0	18·6
17	21·4	20·5	19·8	42·3	29·2	32·2	41·3	35·7	16	9	16	5·7	5·6	7·3	1	0	0	NNW	3	WSW	4	W	1	0·0	17·5
18	22·7	20·5	19·5	41·6	29·3	32·7	40·7	36·3	30	11	12	11·0	6·1	5·4	9	1	0	SW	2	W	2	W	3	0·0	17·2
19	21·6	19·8	19·6	42·1	27·8	31·3	41·3	36·1	40	10	12	13·6	5·9	5·6	1	5	0	SW	5	W	4	W	4	0·0	16·9
20	22·0	19·7	19·3	41·7	29·7	31·1	40·8	34·6	49	8	12	16·5	4·3	5·6	0	5	0	WSW	6	WNW	2	W	1	0·0	16·5
21	22·6	20·7	19·6	41·1	25·7	32·2	39·3	31·1	40	10	26	14·3	5·4	8·8	0	2	0	SW	3	W	2	Calm	0	0·0	13·9
22	22·5	20·6	19·8	40·6	26·7	30·1	39·6	35·3	54	17	22	17·5	9·5	9·3	3	0	0	SW	6	SW	4	WSW	1	0·0	16·6
23	23·0	21·6	21·5	39·7	26·4	29·7	38·7	34·6	51	19	23	15·6	9·9	9·6	3	3	0	SW	6	SW	4	SW	3	0·0	22·0
24	24·7	22·3	21·0	40·2	26·9	30·1	38·7	35·2	49	20	31	15·2	10·8	13·0	8	9	0	SW	6	WSW	4	WSW	2	0·0	15·4
25	23·0	20·8	19·5	41·4	28·7	32·2	40·8	35·5	42	17	26	15·6	9·8	10·8	5	2	1	WSW	6	W	2	WSW	1	0·0	16·6
26	22·6	21·1	20·0	39·6	26·4	29·0	38·8	35·0	52	18	24	15·3	9·5	10·2	8	1	9	WSW	5	SW	4	SW	2	0·0	16·8
27	23·4	21·6	20·6	39·9	27·9	30·1	38·8	34·9	50	21	28	17·8	11·3	11·5	6	1	0	SSW	5	SW	3	S	4	0·0	18·1
28	24·1	21·5	20·1	41·3	27·8	31·2	40·2	32·2	48	17	28	16·0	9·4	9·6	9	5	8	SW	4	WSW	2	Calm	0	0·0	14·6
29	23·4	21·2	20·7	39·9	25·3	29·1	39·2	34·6	50	17	27	14·7	8·9	11·2	10	2	3	WSW	5	WSW	3	WSW	2	0·0	16·1
30	23·4	21·9	22·1	39·4	27·3	29·8	38·3	35·1	53	18	29	16·3	9·4	12·0	5	1	9	WSW	4	WSW	3	WSW	4	0·0	16·6
31	25·8	23·6	22·6	38·1	25·9	29·1	36·8	32·8	57	22	33	16·9	10·[illegible]	12·0	9	4	9	SSW	6	SW	1	SSW	5	0.0	12·2
Month	23·25	21·42	20·82	40·4	26·8	30·8	39·3	33·7	41	16	25	13·1	8·2	9·7	3·4	2·1	1·5	—	3·5	—	2·4	—	1·5	0·0	15·62

Remarks:—1 ●° < 1h–6h.

C_h = + 32·0 mm.

August 1917.

Date	8 h.	14 h.	20 h.	Max.	Min.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h. Direct.	Force	14 h. Direct	Force	20 h. Direct.	Force	Rain (mm.)	Evaporation (mm.)
1	23·8	22·0	22·4	39·3	26·3	28·8	38·2	32·7	53	19	35	15·5	9·7	12·7	9	10	10	WSW	5	SW	4	Calm	0	0·0	12·1
2	23·6	21·4	20·7	40·5	27·4	31·7	39·3	33·2	45	19	25	15·7	10·5	9·3	0	3	5	SW	5	WSW	3	Calm	0	0·0	15·0
3	25·2	22·3	22·1	36·7	25·4	26·4	35·3	30·5	70	30	50	17·9	12·6	16·1	10	10	0	SSW	5	SSW	4	Calm	0	Drops	11·5
4	24·1	21·8	20·9	40·4	26·4	30·2	38·3	34·0	46	25	35	14·6	12·6	13·7	0	10	2	SW	4	WSW	1	WSW	1	0·0	14·3
5	23·7	21·5	19·9	41·4	26·9	30·2	39·7	33·4	51	20	33	16·3	10·9	12·6	1	5	0	WSW	5	W	1	Calm	0	0·0	12·7
6	22·8	20·5	19·3	42·0	28·1	30·3	40·9	33·7	46	17	31	14·7	9·8	12·1	10	0	0	WSW	5	WSW	1	Calm	0	0·0	17·9
7	22·3	20·7	21·0	37·8	26·3	29·7	36·2	31·4	51	30	41	15·6	13·3	13·9	4	10	0	SW	5	SW	6	SW	7	0·0	15·5
8	24·4	22·2	21·1	37·6	25·4	26·4	36·7	33·5	66	24	29	16·9	11·3	11·3	10	9	0	SSW	5	SW	5	S	2	0·0	12·6
9	23·2	22·0	21·1	40·0	25·0	29·2	38·4	31·9	54	22	37	16·2	11·2	13·6	2	4	0	SW	4	WSW	3	S	3	0·0	11·8
10	22·7	21·4	19·7	40·8	25·9	31·2	39·7	33·9	48	21	34	16·0	11·9	13·2	0	6	0	WSW	4	SW	3	NW	1	0·0	12·8
11	23·3	21·7	21·3	37·6	24·4	27·1	34·6	32·1	57	31	32	15·1	12·6	11·5	5	4	0	WSW	5	WSW	4	SW	5	0·0	11·5
12	23·6	22·6	21·9	39·6	25·9	29·5	38·7	33·3	52	21	38	16·0	11·0	14·3	10	3	0	WSW	4	WSW	1	S	6	0.0	12·8
13	24·3	22·7	21·9	40·0	27·3	30·1	38·3	33·3	52	23	38	16·3	11·8	14·3	6	8	0	WSW	4	SW	3	WSW	4	0·0	13·2
14	24·7	21·7	21·6	40·0	23·3	27·2	38·9	32·7	56	17	42	14·9	9·1	15·3	10	10	0	WSW	5	WSW	4	SSW	4	0·0	15·1
15	23·9	21·5	20·9	41·5	23·4	31·1	40·7	34·9	47	13	28	15·7	7·3	11·5	5	1	0	WSW	3	W	1	SW	3	0·0	14·7
16	21·4	24·0	23·6	35·7	25·9	29·0	35·2	32·5	51	30	30	15·0	12·4	10·9	10	10	0	S	6	SSW	5	SW	3	0·0	21·2
17	25·3	23·2	22·1	40·2	25·3	30·7	39·4	31·2	49	19	38	16·0	10·2	12·7	3	10	0	WSW	4	WSW	1	Calm	0	0·0	13·1
18	24·2	22·1	20·3	41·0	27·3	32·3	39·6	32·7	42	12	24	15·1	6·2	8·9	0	0	0	WSW	3	NNE	3	Calm	0	0·0	15·4
19	24·8	22·8	21·2	37·8	27·3	28·6	36·4	33·5	61	27	32	17·6	12·4	12·4	10	10	0	SW	6	WSW	4	WSW	2	0·0	18·4
20	23·3	20·7	20·0	40·4	26·9	31·1	39·7	35·4	46	18	27	15·3	10·4	11·4	0	8	0	SW	5	SSW	4	S	4	0·0	16·8
21	23·6	21·8	21·7	37·6	25·3	29·2	37·0	32·0	50	24	35	15·0	11·5	12·3	5	0	0	SW	5	SW	5	S	5	0·0	14·5
22	23·5	20·9	20·1	41·0	25·3	29·7	40·3	33·2	54	19	35	16·6	10·5	13·1	1	10	0	SW	4	WSW	3	W	1	0·0	14·4
23	22·2	19·3	19·0	42·0	27·4	31·2	40·6	33·6	44	13	27	14·9	7·2	10·6	5	1	0	WSW	5	WNW	2	SW	4	0·0	19·0
24	22·4	21·9	22·2	35·6	27·3	30·5	22·9	24·0	53	90	91	17·2	18·6	20·3	10	10	10	SSW	5	SSW	6	Calm	0	16·4	3·2
25	24·8	22·2	23·1	33·8	21·1	25·7	32·7	29·3	82	46	62	20·0	17·0	18·7	1	1	10	SSW	4	SSW	5	S	5	Drops	8·9
26	24·9	22·5	23·2	31·5	24·3	25·7	31·1	26·9	70	43	68	17·0	14·4	17·9	10	10	5	SSE	5	S	4	S	4	0·0	7·5
27	24·1	22·7	20·3	35·2	23·4	26·7	32·3	25·1	71	43	77	18·4	15·5	18·1	3	10	10	SSW	4	SE	3	S	2	0·8	5·4
28	23·8	22·6	22·4	34·8	23·0	26·3	34·2	27·7	78	39	63	19·8	15·5	17·4	5	10	0	SSE	5	S	5	SW	4	0·0	8·4
29	25·5	23·4	24·0	36·0	24·3	28·2	35·7	32·6	63	32	39	17·9	13·6	14·4	10	2	10	SW	4	SSW	4	S	4	3·9	11·2
30	25·1	25·3	23·2	29·1	22·9	24·8	23·2	24·5	87	85	86	20·3	17·8	19·6	10	10	2	NW	3	E	6	Calm	0	3·3	3·2
31	25·1	22·4	22·2	34·9	21·8	25·2	33·7	29·8	86	40	53	20·5	15·2	16·5	3	1	10	SSW	3	SW	4	SSW	5	0·0	9·4
Month	23·86	22·06	21·43	38·1	25·4	28·8	36·4	31·6	57	29	42	16·6	12·1	13·6	5·4	6·3	2·4	—	4·5	—	3·5	—	2·5	24·4	12·69

Remarks:—3 ●° 8h, 14h.—4 < E 20h, SW 21h.—5 < S 20h, SE 21h.—10 < S 20h, W 21h.—12 ∞ 0h, < E 20h.—13 < E, S 20h.—15 < SE, S 20h.—20 < SE, SW 20h.—24 ∞ SE 10h, ☈ ●2 SE 10h10–11h30, ●° 11h30–14h.—25 ●° 20h20.—27 ∞ SE 14h20, ●° 16h–17h.—29 < SE 18h20, ●° 19h20.—30 ☾° 3h, ●2 12h50–13h15.

KHARTOUM (Gordon College).

$\varphi = 15° 36' 33''$ N. $\lambda = 32° 33'$ E. H = 300·0 m. $h_t = 1·8$ m. $h_r = 1·2$ m.

$C_h = +32·2$ mm.

September 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	Air Temperature (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	Wind Direction and Force (0-10) 8 h. Direct.	Force	14 h. Direct	Force	20 h. Direct	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	25·1	23·3	24·6	35·9	25·0	28·2	34·2	29·2	61	37	56	17·5	14	16·7	10	0	0	WSW	4	SSW	4	E	5	8·9	8·3
2	26·7	24·5	24·1	32·5	23·7	25·1	32·0	26·7	83	44	65	19·0	15·[illegible]	19·[illegible]	10	8	6	S	5	SW	2	SW	2	0·0	5·7
3	25·2	23·5	23·5	36·2	24·5	26·0	35·3	28·1	67	35	60	18·8	14·8	16·[illegible]	0	1	0	SW	4	SSW	2	SSE	5	8·6	10·4
4	25·4	23·2	23·4	36·2	22·5	25·1	28·4	25·3	74	65	87	7·6	18·[illegible]	20·[illegible]	10	10	0	SSW	2	SSW	4	Calm	0	Drops	3·4
5	24·6	22·5	22·5	36·2	22·4	26·2	36·0	30·7	9	32	56	20·	14·[illegible]	18·6	2	2	0	SSW	4	WSW	3	Calm	0	0·0	9·7
6	24·9	23·0	22·8	37·7	26·1	29·2	37·4	32·4	61	26	38	8·4	12·0	13·[illegible]	1	1	0	SW	4	SW	3	WSW	2	0·0	10·9
7	23·5	21·4	20·5	39·6	24·7	29·5	38·7	34·1	45	12	17	13·8	6·	6·[illegible]	1	5	0	WNW	4	Calm	0	SSW	3	0·0	13·0
8	21·9	20·1	20·5	38·8	25·3	28·1	37·9	33·2	58	19	27	16·3	9·5	10·[illegible]	0	8	0	SSW	4	SSW	4	S	3	0·0	15·4
9	22·4	20·3	21·7	35·2	23·4	25·3	34·6	30·0	70	38	50	16·7	15·0	15·0	10	10	0	SSE	5	S	3	SSW	4	0·0	13·9
10	25·3	23·0	23·4	35·4	24·5	28·1	32·6	29·2	61	41	55	17·[illegible]	15·2	16·[illegible]	5	7	0	SSE	5	SSW	3	S	2	0·0	12·4
11	24·5	22·2	23·1	36·9	24·6	28·5	36·8	31·3	62	27	40	17·0	12·6	13·7	3	1	0	SSE	3	Calm	0	NE	2	0·0	10·4
12	23·5	21·7	21·8	37·8	25·2	29·7	36·2	33·6	54	37	33	16·7	14·1	12·7	5	3	0	S	3	WSW	2	S	4	0·0	12·3
13	23·1	20·7	20·8	40·4	25·3	31·5	36·3	34·6	49	17	33	16·8	9·[illegible]	13·7	3	0	0	SW	3	Calm	0	S	3	0·0	13·7
14	22·7	21·1	21·7	39·8	27·0	30·2	39·5	33·7	59	21	39	5·[illegible]	11·[illegible]	13·[illegible]	8	0	0	SW	4	SW	2	Calm	0	0·0	12·5
15	23·9	21·4	22·4	38·7	27·7	31·4	31·[illegible]	30·5	48	53	48	16·5	13·8	15·5	8	5	0	E	1	SW	5	WSW	1	0·0	13·0
16	24·0	23·0	22·4	36·2	25·3	27·7	35·6	31·1	56	29	46	15·3	12·4	15·[illegible]	8	5	0	SSW	4	SSW	3	SW	2	0·0	13·5
17	24·4	22·3	22·0	38·6	25·6	28·9	32·9	31·0	55	34	42	16·1	12·8	14·8	0	3	0	SSW	3	SW	1	S	2	0·0	12·7
18	24·3	22·9	22·8	36·6	25·5	29·4	35·9	36·3	57	26	34	17·1	12·4	15·[illegible]	8	5	0	NNE	4	E	3	Calm	0	0·0	13·3
19	25·9	24·6	24·5	35·5	23·7	28·6	34·6	28·2	51	32	74	14·7	15·8	21·2	8	10	0	WNW	1	Calm	0	Calm	0	0·0	9·7
20	26·2	23·9	24·1	37·7	23·7	28·4	37·4	28·5	53	13	49	15·2	6·[illegible]	14·[illegible]	5	2	0	SSW	1	W	1	Calm	0	0·0	9·3
21	25·9	23·3	23·6	39·3	25·9	28·8	37·9	31·6	58	15	31	17·1	7·[illegible]	10·8	0	1	0	WNW	1	N	2	Calm	0	0·0	14·0
22	25·4	23·5	23·6	38·4	25·4	29·2	36·8	32·7	53	20	34	6·[illegible]	7·2	12·5	5	8	1	SW	3	SW	3	S	2	0·0	12·2
23	25·5	23·1	23·3	40·1	26·6	29·7	39·6	36·5	48	20	39	14·[illegible]	11·[illegible]	13·[illegible]	7	3	8	SW	4	SW	2	Calm	0	0·0	13·2
24	25·5	22·4	23·1	37·5	26·0	28·2	36·3	30·7	54	23	40	15·3	10·[illegible]	13·1	8	7	1	SSW	5	SW	2	Calm	0	0·0	12·7
25	24·0	22·0	22·5	36·8	26·1	29·7	36·5	29·7	41	30	36	12·8	3·[illegible]	11·[illegible]	[illegible]	4	0	NE	3	NE	1	Calm	0	0·0	17·9
26	25·7	23·6	24·7	36·8	21·8	27·7	36·3	29·3	23	15	46	6·5	6·	14·[illegible]	8	8	4	Calm	0	Calm	0	S	2	0·0	10·9
27	26·4	24·5	25·2	36·2	25·0	26·7	35·3	28·2	68	24	41	17·5	0·[illegible]	11·[illegible]	2	1	1	SW	2	VNW	1	Calm	0	0·0	9·3
28	27·3	24·8	24·9	37·3	21·7	28·7	36·6	31·1	24	12	28	7·[illegible]	5·[illegible]	9·[illegible]	1	0	0	Calm	0	N	2	Calm	0	0·0	20·2
29	25·2	22·6	23·5	39·2	26·3	29·9	38·7	32·5	17	11	15	5·[illegible]	5·4	5·[illegible]	4	1	0	N	3	NE	2	Calm	0	0·0	17·1
30	24·8	22·5	23·3	38·4	25·1	28·5	38·0	33·8	57	25	25	16·2	12·	9·[illegible]	3	1	0	S	2	W	1	SE	1	0·0	11·5
Month	24·77	22·70	23·03	37·5	24·8	28·5	36·0	31·1	54	27	43	15·6	11·7	13·9	4·8	4·3	0·7	—	3·0	—	2·0	—	1·5	17·5	12·10

Remarks:—1 ●² 20¹⁵–21h, 21²⁰–22³⁰, < E, SE, S. ● 23³⁰–24h.—3 ⊤ 16¹⁵, ⚿ E 17h, < E, S. ●° 19³⁰, 22¹⁵, ⌒ E 17³⁰.—4 ●² 1³⁰, ● 5³⁰–7h, ●°, 12h–12³⁰, ●° N.—23 < S, SE 20h.

$C_h = +32·2$ mm.

October 1917.

Date	8 h.	14 h.	20 h.	Max.	Min.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h. Direct.	Force	14 h. Direct	Force	20 h. Direct	Force	Rain	Evaporation
1	24·8	22·7	23·1	38·9	26·0	28·7	37·4	31·8	31	20	35	9·1	9·5	12·2	0	3	5	NW	2	WNW	1	S	2	0·0	12·5
2	25·9	23·0	23·8	39·2	26·4	31·2	38·8	32·0	23	17	31	7·6	9·1	11·2	6	7	9	S	1	WNW	2	S	6	0·0	12·7
3	26·1	23·5	23·6	38·9	25·4	29·2	38·5	29·5	55	18	33	16·5	9·3	10·1	3	3	1	SSE	2	Calm	0	Calm	0	0·0	13·4
4	25·8	23·2	24·0	40·0	23·7	29·3	38·8	31·0	31	8	24	9·4	4·0	8·0	2	3	0	E	2	NE	2	Calm	0	0·0	16·9
5	25·6	23·2	23·5	39·6	23·9	28·2	38·3	32·9	43	12	16	12·2	6·5	5·8	1	3	4	NNE	2	Calm	0	NNE	2	0·0	16·7
6	25·5	22·5	23·3	39·6	23·5	29·7	38·8	32·7	16	8	17	5·0	4·0	6·2	1	1	0	NNE	2	NNE	1	NNW	2	0·0	19·9
7	24·9	22·9	24·1	39·0	24·2	28·3	38·4	31·1	19	10	22	5·5	4·8	7·5	3	1	0	N	3	Calm	0	Calm	0	0·0	15·1
8	25·3	21·9	23·7	40·0	20·8	27·7	39·0	32·4	33	10	13	9·1	5·3	4·8	0	2	0	Calm	0	Calm	0	NNE	3	0·0	14·7
9	24·7	22·4	22·8	39·4	24·2	29·9	37·8	31·7	22	12	19	7·0	6·0	6·7	0	2	0	NNE	1	N	2	NNE	3	0·0	15·7
10	25·1	23·3	24·1	37·9	23·6	29·5	37·3	30·0	12	10	24	3·5	4·7	7·5	0	0	0	NE	3	N	2	Calm	0	0·0	19·2
11	26·3	24·3	24·7	36·0	22·0	26·9	34·9	29·4	19	12	20	5·0	5·3	6·2	4	4	0	NNE	2	NNE	3	N	2	0·0	17·3
12	26·3	25·5	24·6	34·2	21·4	25·2	33·4	27·4	27	14	28	6·5	5·0	7·0	0	0	0	NE	3	Calm	0	N	1	0·0	16·0
13	24·9	23·0	23·8	34·9	21·7	25·6	34·3	29·7	28	13	16	6·8	5·2	5·[illegible]	1	0	0	N	3	NNE	2	N	1	0·0	18·3
14	25·2	23·1	24·1	37·0	22·9	27·8	36·3	30·5	16	12	16	4·3	5·0	5·3	1	1	0	N	3	NE	3	N	1	0·0	18·0
15	24·2	21·5	23·4	38·9	23·9	29·1	37·5	30·8	30	17	27	9·1	8·3	8·9	1	3	0	NE	3	E	3	N	3	0·0	15·3
16	24·7	22·5	23·1	37·6	23·7	28·7	36·8	30·2	33	13	21	9·0	5·9	6·5	—	0	0	E	3	NE	4	NNE	2	0·0	15·5
17	23·9	21·6	22·0	39·1	22·0	29·1	37·3	31·4	30	17	21	9·1	8·3	7·2	1	1	0	ENE	3	Calm	0	NE	3	0·0	14·5
18	23·5	20·9	22·0	38·2	22·0	27·6	37·2	32·2	23	18	24	6·5	8·4	8·2	0	5	2	N	1	N	2	N	2	0·0	15·8
19	23·3	21·9	22·8	38·8	23·3	29·1	37·3	30·9	23	16	17	6·9	7·8	5·8	1	5	2	NNE	4	NNE	3	NNE	4	0·0	19·1
20	24·5	22·4	23·5	36·6	22·9	27·9	36·3	30·1	24	14	16	6·7	6·4	5·2	1	3	0	NNE	4	N	2	NNE	3	0·0	16·4
21	24·6	22·1	23·4	39·0	22·4	28·2	38·0	32·0	31	14	19	8·6	7·2	6·[illegible]	0	3	1	ENE	2	NE	3	NNE	4	0·0	14·7
22	24·0	21·9	23·0	39·0	22·5	28·7	37·7	32·0	31	16	16	9·1	8·0	6·[illegible]	0	1	1	NE	3	Calm	0	NNE	3	0·0	14·1
23	24·7	22·3	23·3	39·4	23·5	28·9	38·8	32·0	33	14	19	9·6	7·5	6·9	0	1	0	ENE	1	Calm	0	NE	4	0·0	13·6
24	24·1	21·9	23·1	39·4	23·7	29·7	36·2	32·6	42	18	22	13·0	9·[illegible]	8·	—	4	1	ENE	1	Calm	0	NE	4	0·0	14·7
25	25·0	22·9	23·3	39·1	24·4	29·2	36·8	32·4	32	15	22	9·8	7·2	8·[illegible]	1	3	1	ENE	3	ENE	2	N	3	0·0	15·3
26	24·6	22·0	22·6	39·3	23·6	27·6	37·8	32·2	29	15	21	7·9	7·5	7·8	1	5	4	Calm	0	Calm	0	N	3	0·0	14·7
27	23·9	22·1	23·1	38·0	24·3	29·4	37·3	29·8	16	12	23	4·8	5·	6·[illegible]	4	2	0	NE	4	WNW	1	N	3	0·0	16·9
28	25·5	22·9	23·1	32·6	20·9	24·7	31·7	27·7	27	11	18	6·1	4·0	5·[illegible]	1	0	0	NNE	3	NNE	4	N	3	0·0	20·8
29	25·6	23·1	24·1	32·6	21·0	23·8	31·9	27·3	20	10	14	4·3	3·4	3·8	0	0	0	N	4	NNE	4	N	2	0·0	19·5
30	25·3	23·1	24·0	33·6	20·9	24·1	32·8	28·2	22	13	17	5·0	5·1	4·7	0	0	0	N	4	N	2	N	2	0·0	17·3
31	24·3	22·0	22·5	37·3	20·6	25·3	36·0	29·7	23	21	33	5·6	9·6	10·3	0	2	0	N	4	Calm	0	N	1	0·0	14·1
Month	24·87	22·57	23·46	37·8	23·1	28·0	36·8	30·8	27	14	21	7·7	6·6	7·1	1·1	2·2	1·0	—	2·5	—	1·5	—	2·3	0·0	16·09

Remarks:—14 < SE. 19h–20³⁰. 15 < SE. 19³⁰–20h.—19 < S 20h–20³⁰.

KHARTOUM (Gordon College).

$\varphi = 15^\circ\ 36'\ 33''$ N. $\lambda = 32^\circ\ 33'$ E. $H = 390{\cdot}0$ m. $h_t = 1{\cdot}8$ m. $h_r = 1{\cdot}2$ m.

$C_h = +\ 32{\cdot}5$ mm.

November 1917.

Date	Standard Pressure (mm.) 8 h.	14 h.	20 h.	AIR TEMPERATURE (°C) Max.	Min.	8 h.	14 h.	20 h.	Relative Humidity (per cent) 8 h.	14 h.	20 h.	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Clouds Amount (0-10) 8 h.	14 h.	20 h.	WIND DIRECTION AND FORCE (0-10) 8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
	700 +																								
1	23·2	21·4	22·3	37·7	24·2	26·8	37·3	30·1	34	20	23	8·9	9·7	7·1	0	1	0	ENE	2	Calm	0	Calm	0	0·0	15·9
2	23·5	21·6	22·2	38·2	21·7	27·2	36·4	29·7	39	15	19	7·0	6·8	5·0	0	2	0	NE	2	N	1	Calm	0	0·0	14·4
3	23·6	21·7	23·0	38·4	22·3	27·2	37·2	29·9	35	12	22	9·3	5·7	7·0	0	0	0	ENE	1	Calm	0	N	3	0·0	13·4
4	24·7	22·6	23·6	38·9	21·8	26·7	38·3	29·7	26	14	19	6·7	7·3	5·9	0	0	0	NE	3	Calm	0	NE	1	0·0	13·2
5	25·1	23·1	24·4	38·4	26·4	27·6	37·2	30·2	26	14	23	7·2	6·5	7·4	0	0	0	NE	1	Calm	0	NE	3	0·0	14·0
6	25·5	23·6	24·6	37·0	22·0	28·1	36·3	28·7	31	12	23	8·7	5·4	6·3	—	0	0	ENE	4	NE	2	NE	1	0·0	16·0
7	26·1	23·7	25·6	37·2	20·9	25·7	36·8	30·2	31	14	21	7·5	6·0	6·5	0	0	0	NE	2	NW	2	NNE	1	0·0	15·5
8	24·8	23·1	24·2	37·8	21·6	26·1	36·6	29·7	29	15	24	7·1	7·0	7·0	0	1	0	N	4	WNW	3	N	2	0·0	15·7
9	25·4	23·2	24·3	37·6	21·7	26·2	36·7	30·2	30	16	25	7·3	7·5	7·0	0	0	0	N	4	WNW	1	NNE	1	0·0	13·1
10	25·3	22·9	23·6	38·1	22·2	27·3	36·6	30·9	29	18	27	7·7	8·4	8·9	0	2	0	Calm	0	NE	1	N	2	0·0	12·2
11	25·5	22·5	24·1	38·0	23·3	28·0	36·7	29·7	31	16	30	8·0	7·0	9·1	2	1	0	Calm	0	NE	1	NNE	4	0·0	14·1
12	25·3	23·4	24·8	37·0	22·8	26·0	36·7	30·2	35	14	22	8·5	6·0	6·8	0	0	0	NNE	3	NE	4	NE	1	0·0	14·9
13	26·0	23·6	25·0	37·4	22·0	26·2	36·8	29·2	31	13	27	7·[illegible]	6·[illegible]	8·4	0	0	0	N	4	W	3	N	3	0·0	14·0
14	25·5	22·7	23·4	37·0	22·0	25·6	35·8	29·3	30	17	19	7·4	7·5	5·0	0	0	0	NE	3	ENE	2	NNE	4	0·0	14·1
15	25·2	23·3	23·7	36·9	21·3	24·9	35·1	29·7	33	15	18	7·7	6·3	5·0	0	0	0	ENE	2	NE	1	NE	3	0·0	14·5
16	24·9	22·6	24·0	36·1	19·7	24·6	35·1	27·8	30	13	18	6·8	5·4	4·9	0	1	0	NE	3	NE	3	NE	3	0·0	13·8
17	25·4	23·1	23·9	36·0	20·0	25·4	35·2	29·2	36	10	14	8·5	4·4	4·5	0	0	0	ENE	4	NNE	4	ENE	1	0·0	14·4
18	25·1	22·4	23·8	36·5	19·5	24·3	35·5	26·0	34	11	3	7·0	4·8	7·3	—	0	0	ENE	2	Calm	0	Calm	0	0·0	13·0
19	24·9	22·7	23·0	36·5	21·0	24·7	36·3	25·8	33	12	32	7·0	5·0	7·0	0	0	0	NE	1	Calm	0	WNW	1	0·0	10·6
20	24·9	23·0	24·1	37·4	19·8	24·0	35·8	28·3	31	12	19	7·2	5·3	5·3	0	0	1	ENE	3	WNW	1	WNW	4	0·0	11·8
21	26·1	23·6	24·9	36·5	19·5	25·1	35·4	26·7	20	14	23	6·7	5·8	6·0	0	0	0	NNE	2	ENE	3	NNE	3	0·0	15·3
22	27·2	25·0	25·3	35·8	20·5	24·2	34·9	27·2	27	12	23	6·1	4·9	6·0	1	3	1	NNE	4	NNE	4	NNE	4	0·0	15·3
23	26·7	24·1	25·0	34·6	19·8	24·1	34·1	27·3	32	16	28	7·2	6·5	7·5	0	0	0	NNE	4	NE	4	NNE	4	0·0	15·5
24	25·4	22·7	24·2	34·7	19·3	23·3	34·2	27·1	45	15	24	9·7	5·5	6·[illegible]	1	0	0	NE	3	NE	2	N	4	0·0	16·6
25	25·5	23·7	24·0	34·0	19·8	22·7	33·3	25·8	51	18	25	10·4	6·0	6·1	0	0	0	NNE	3	NW	1	N	4	0·0	13·3
26	25·5	23·2	23·7	35·0	19·0	22·8	34·2	27·4	39	16	22	7·0	6·7	5·9	0	0	0	N	3	NE	2	N	4	0·0	12·4
27	25·3	23·1	24·1	34·8	19·5	23·4	34·4	29·0	38	15	21	8·0	6·3	5·4	0	2	1	NE	4	NE	2	N	4	0·0	13·0
28	25·5	23·1	24·1	33·6	18·7	22·1	33·0	27·5	48	16	31	9·4	6·2	8·3	—	0	0	NE	4	NE	2	NW	4	0·0	10·4
29	26·4	24·6	25·0	35·8	19·2	22·9	34·2	29·7	47	15	30	9·8	6·2	7·7	0	0	0	NNE	4	ENE	4	N	4	0·0	12·7
30	26·1	23·9	24·5	34·8	19·2	22·5	33·3	26·9	39	10	12	7·8	3·7	3·0	0	0	0	NNE	2	NE	3	NE	3	0·0	15·1
Month	25·32	23·11	24·08	36·6	20·8	25·2	35·7	28·4	34	14	23	8·0	6·3	6·0	0·1	0·4	0·1	—	2·7	—	1·9	—	2·5	0·0	13·84

Remarks:—6 ∞ 8h.- 18 ∞ 8h.- 28 ∞ 8h.

$C_h = +\ 33{\cdot}1$ mm.

December 1917.

Date	8 h.	14 h.	20 h.	Max.	Min.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h.	14 h.	20 h.	8 h. Direct.	Force	14 h. Direct.	Force	20 h. Direct.	Force	Rain in 24 hours (mm.)	Evaporation in 24 hours (mm.)
1	25·7	23·2	24·4	35·4	18·6	23·3	33·7	26·[illegible]	28	11	21	6·0	4·3	5·[illegible]	0	0	0	Calm	0	Calm	0	N	4	0·0	15·7
2	24·7	22·5	23·2	35·8	17·1	21·8	34·2	28·2	31	16	18	6·1	6·7	5·[illegible]	0	0	0	Calm	0	WNW	2	NE	4	0·0	10·9
3	25·7	23·2	23·7	35·8	19·3	23·3	35·3	27·1	34	18	29	7·2	7·8	7·0	1	1	0	NE	3	Calm	0	Calm	0	0·0	10·7
4	25·1	23·0	23·1	36·0	19·0	24·2	34·7	27·4	20	18	25	6·0	7·5	6·7	0	0	0	NNE	3	WNW	1	NNE	4	0·0	13·4
5	25·4	23·2	24·0	34·1	18·9	23·7	33·7	27·2	28	14	24	6·1	5·0	6·[illegible]	0	0	0	N	4	NE	3	NNE	4	0·0	15·3
6	25·5	23·5	24·0	32·7	18·0	21·4	31·7	25·9	20	10	27	3·9	3·0	6·[illegible]	0	0	0	NNE	4	NE	4	NNE	4	0·0	16·5
7	25·2	22·5	23·6	31·7	18·0	20·7	30·7	25·6	34	25	30	6·2	8·4	7·[illegible]	0	0	0	N	4	NNE	4	N	4	0·0	14·2
8	25·0	22·4	23·6	29·3	16·5	18·4	26·5	23·6	31	31	33	4·8	9·1	7·5	0	1	0	N	4	NNE	3	N	4	0·0	13·9
9	25·6	23·6	24·9	29·2	16·7	18·7	26·6	24·3	27	35	26	4·3	9·0	5·[illegible]	0	1	2	N	4	N	4	N	4	0·0	14·5
10	25·8	24·0	25·0	29·8	16·6	19·0	29·1	25·5	27	31	31	4·5	9·[illegible]	7·0	0	0	0	N	4	N	3	N	5	0·0	12·6
11	26·1	23·4	24·8	30·1	18·0	20·2	29·6	25·2	48	29	38	8·4	8·0	9·1	1	0	0	N	4	N	3	N	4	0·0	11·5
12	26·0	23·1	23·8	28·5	15·8	19·5	28·2	23·3	35	16	20	5·0	4·5	4·3	2	1	0	N	4	N	3	N	4	0·0	13·0
13	25·9	23·6	24·7	27·4	14·4	16·6	26·7	21·8	29	13	1[illegible]	4·1	3·4	3·4	0	0	0	N	2	N	2	N	4	0·0	12·9
14	25·9	23·7	25·0	29·3	13·6	17·0	28·3	22·9	18	9	21	2·6	2·6	4·[illegible]	2	0	0	NNE	3	NNE	3	N	4	0·0	12·9
15	26·5	23·8	25·0	32·8	15·4	19·2	31·4	24·1	22	21	31	3·6	7·3	6·[illegible]	2	0	0	NNE	3	Calm	0	N	3	0·0	10·0
16	25·7	23·0	23·3	35·5	16·5	20·4	34·9	27·5	44	18	30	7·7	7·7	8·2	0	2	1	NNE	2	Calm	0	N	4	0·0	9·0
17	25·0	22·8	23·7	36·4	18·8	22·3	35·6	27·9	52	14	24	10·3	6·0	6·7	0	0	0	NNE	1	NE	3	NNE	2	0·0	10·6
18	25·8	23·6	25·1	35·9	18·9	24·2	35·7	28·4	54	14	23	7·8	6·0	6·6	2	0	0	NNE	1	N	3	N	3	0·0	15·7
19	27·4	25·4	26·6	31·9	21·0	22·9	31·5	25·6	26	10	19	5·4	5·7	4·[illegible]	0	0	0	N	4	N	4	N	4	0·0	18·3
20	28·7	26·8	27·3	26·3	16·3	18·1	25·4	21·4	21	9	22	3·3	2·3	4·1	0	0	0	N	4	N	5	N	5	0·0	13·0
21	28·1	25·6	26·6	25·1	11·5	15·4	24·7	18·8	39	23	41	5·1	5·3	6·0	0	0	0	NNE	4	NNE	3	N	3	0·0	10·2
22	26·6	23·9	25·6	27·7	11·4	15·7	27·3	22·2	33	15	28	4·4	4·1	5·0	1	0	0	NNE	4	N	3	NNE	3	0·0	10·9
23	26·9	25·2	26·4	28·0	13·9	18·3	27·4	21·8	38	21	31	5·9	5·6	6·1	0	0	0	NNE	3	N	3	NNE	4	0·0	11·8
24	27·7	25·7	27·3	29·4	13·9	17·8	28·9	21·5	32	15	21	4·6	4·4	3·9	2	1	4	N	5	N	4	N	4	0·0	13·4
25	27·6	25·6	26·4	26·4	12·6	16·5	26·1	20·4	10	9	23	1·4	2·4	4·1	1	1	0	NNE	5	NNE	4	N	4	0·0	13·0
26	27·9	25·2	26·0	26·7	12·3	16·3	26·2	19·3	11	9	25	1·6	2·2	4·2	8	4	0	NNE	5	NNE	4	N	3	0·0	11·8
27	27·5	25·1	25·8	29·2	12·4	16·2	28·6	21·5	22	15	21	3·1	4·4	4·1	1	1	0	NE	2	ENE	2	NE	1	0·0	10·9
28	26·6	24·6	25·0	28·7	12·5	16·3	28·4	22·5	36	24	36	5·0	6·7	7·2	0	0	0	NE	3	NNE	3	N	3	0·0	11·0
29	26·4	23·8	24·5	30·8	15·3	18·9	30·2	23·3	54	26	42	8·8	8·4	8·9	0	0	0	NNE	3	E	3	Calm	0	0·0	10·2
30	25·8	22·5	23·4	32·5	16·8	20·3	31·5	25·3	65	27	37	11·5	9·5	8·9	0	0	0	NE	3	ENE	4	N	3	0·0	9·8
31	24·2	23·2	23·7	32·5	16·8	20·3	31·5	25·2	65	26	29	11·5	8·8	6·9	0	1	0	NNE	4	NNE	5	NNE	4	0·0	11·6
Month	26·10	23·86	24·85	31·0	16·0	19·6	30·2	24·2	33	19	27	5·7	6·0	6·1	0·7	0·5	0·2	—	3·2	—	2·8	—	3·4	0·0	12·49

Remarks:—

MONTHLY SUMMARIES.

Summary of Meteorological Observati

$\varphi = 35° 20'$ N. $\lambda = 25° 8'$ E. of Greenwi

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8h.	14 h.	20 h.	Me
1917																			
January	757·40	12·3	—	13·6	13·0	19·8	10·2	19·7	15	7·0	2,24	72	—	69	70	7·7	—	8·0	7
February	56·14	11·7	—	12·2	12·0	15·5	9·2	19·9	4,7	5·0	18	64	—	70	67	6·6	—	7·4	7
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	58·17	16·2	—	15·8	16·0	19·9	11·7	32·2	16	8·3	1	60	—	65	62	8·3	—	8·8	8
May	58·96	18·4	—	18·1	18·2	21·2	14·3	27·7	8	9·0	7	64	—	72	68	10·2	—	11·1	10
June	58·70	23·7	—	22·9	23·3	25·2	19·2	29·2	24	13·1	1	58	—	64	61	12·5	—	13·1	12
July	56·50	26·3	—	25·5	25·9	27·7	22·5	30·2	23	18·7	29	51	—	58	54	12·9	—	14·0	13
August	55·68	27·0	—	26·7	26·8	29·1	22·8	34·9	5	20·1	4,7	50	—	56	53	13·3	—	14·5	13
September	59·44	23·3	—	23·1	23·2	25·4	21·0	28·5	14	15·5	29	58	—	59	58	12·3	—	12·2	12
October...	59·84	20·5	—	20·7	20·6	24·0	16·8	29·9	12	12·5	26	63	—	67	65	11·2	—	12·2	11
November	60·16	17·1	—	17·8	17·4	21·5	14·8	27·7	12	10·6	25	70	—	71	70	10·2	—	10·8	10
December	60·22	11·8	—	12·4	12·1	15·5	9·3	20·0	3	3·5	9	71	—	70	70	7·2	—	7·5	7
Year	758·56	18·9	—	19·0	19·0	22·0	15·6	—	—	—	—	62	—	66	63	10·2	—	10·9	10

Summary of Meteorological Observatio

$\varphi = 31° 25'$ N. $\lambda = 31° 49'$ E. of Greenwi

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mea
1917																			
January	—	—	—	—	14·1	17·2	11·0	20·2	28	8·7	9	—	—	—	—	—	—	—	—
February	—	—	—	—	14·4	17·7	11·1	19·5	14	8·0	20	—	—	—	—	—	—	—	—
March	—	—	—	—	17·0	20·5	13·5	28·2	28	9·0	3	—	—	—	—	—	—	—	—
April	—	—	—	—	19·5	22·7	16·3	34·1	24	11·7	6	—	—	—	—	—	—	—	—
May	—	—	—	—	20·6	24·0	17·1	26·7	21	13·0	3	—	—	—	—	—	—	—	—
June	—	—	—	—	24·4	27·6	21·2	32·7	15	19·6	1,2,6	—	—	—	—	—	—	—	—
July	—	—	—	—	26·0	29·4	22·6	31·8	21	20·9	1,19	—	—	—	—	—	—	—	—
August...	—	—	—	—	26·8	30·8	22·7	32·4	14	21·6	3,4,31	—	—	—	—	—	—	—	—
September	—	—	—	—	24·2	27·4	20·9	29·7	1,8	18·6	27	—	—	—	—	—	—	—	—
October...	—	—	—	—	21·8	24·7	19·0	26·6	2	16·2	28	—	—	—	—	—	—	—	—
November	—	—	—	—	20·8	23·0	18·5	27·3	2	10·9	21	—	—	—	—	—	—	—	—
December	—	—	—	—	14·5	17·1	11·9	21·0	1,3	8·2	9,26	—	—	—	—	—	—	—	—
Year	—	—	—	—	20·3	23·5	17·2	—	—	—	—	—	—	—	—	—	—	—	—

CANDIA for the year 1917.

= 27·1 m. h_t = 11·0 m. h_r = 12·1 m. C_h = + 2·4 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥ 0·1 mm.	≥ 1·0 mm.	Force	Direction									mm. per day
							of rain		Mean of day	Number of observations in which the wind-direction was recorded as									
h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
5·5	—	5·3	5·4	84·1	18·8	21	16	9	1·5	10	—	1	5·5	18	11·5	2	1	13	4·51
6·0	—	6·5	6·2	74·3	18·0	21	10	10	1·2	9	1	—	6	5	4	—	3	28	3·23
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4·1	—	3·4	3·8	22·2	11·8	20	4	2	1·0	1	2	0·5	2	11·5	7·5	5	5·5	25	4·47
4·1	—	4·1	4·1	12·9	5·5	15	5	5	1·1	7·5	9·5	1	—	3	—	4	17	20	4·45
1·0	—	0·6	0·8	0·0	0·0	—	—	—	1·0	9·5	2	1	—	—	0·5	10	17	20	5·48
0·4	—	0·0	0·2	0·0	0·0	—	—	—	1·3	9	2	2·5	0·5	—	—	5·5	31·5	11	7·63
0·1	—	0·1	0·1	0·0	0·0	—	—	—	1·1	1·5	1	—	—	2	1·5	20	19	17	7·09
1·6	—	0·7	1·2	0·5	0·5	15	1	—	1·4	4·5	1·5	1	—	—	—	16	26	11	6·87
3·2	—	3·2	3·2	64·1	23·3	22	5	5	1·0	2	2	—	1	7·5	4·5	5	11	27	4·77
5·5	—	3·6	4·6	100·3	48·0	24	7	7	1·0	2	1	—	—	15·5	12·5	2	2	25	4·34
7·3	—	6·3	6·8	186·3	33·0	5	15	14	1·1	7	1	—	—	11·5	7	1·5	13	21	3·29
3·5	—	3·1	3·3	544·7	—	—	63	52	1·2	63	23	7	15	74	49	71	146	218	5·10

DAMIETTA for the year 1917.

= 2·2 m. h_t = 2·0 m. h_r = 1·0 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥ 0·1 mm.	≥ 1·0 mm.	Force	Direction									mm. per day
							of rain		8 h.	Number of observations in which the wind-direction was recorded as									
h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	
3·1	—	—	—	61·0	23·8	2	10	8	2·2	1·5	2·5	—	3·5	3	14·5	1	—	5	—
4·2	—	—	—	11·4	9·9	11	3	2	1·0	1	1	—	1	1	3	1	2	18	—
2·2	—	—	—	16·0	8·3	10	2	2	2·3	5·5	2·5	—	6	1	9	—	3	4	—
3·2	—	—	—	0·0	0·0	—	—	—	2·2	5·5	2·5	1·5	2·5	2·5	2	—	6·5	7	—
2·3	—	—	—	Drops	Drops	Several dates.	—	—	1·6	7·5	0·5	1	2	0·5	4·5	2	5	8	—
1·1	—	—	—	0·0	0·0	—	—	—	1·8	7	1	—	2	1	—	4	9	6	—
1·7	—	—	—	0·0	0·0	—	—	—	1·4	2	—	—	—	—	2	2·5	12·5	12	—
1·3	—	—	—	0·0	0·0	—	—	—	0·7	0·5	—	—	—	—	5	—	7·5	18	—
2·4	—	—	—	0·0	0·0	—	—	—	1·2	5·5	—	—	—	—	5	4	4·5	11	—
2·0	—	—	—	2·5	1·5	26	2	2	1·2	10·5	2	—	—	3	2	1	1·5	11	—
2·9	—	—	—	6·8	5·0	19	2	2	1·5	5	4·5	3	2	3	1	—	2·5	9	—
5·1	—	—	—	39·0	12·0	24	10	8	1·5	2·5	—	1	3	1	11	2	2·5	8	—
2·6	—	—	—	136·7	—	—	29	24	1·6	54	16·5	6·5	22	16	59	17·5	56·5	117	—

Summary of Meteorological Observations

φ = 31° 16′ N. λ = 32° 19′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	761·28	13·5	—	15·1	14·3	19·3	11·1	22·7	29	6·1	24	78	—	77	78	8·9	—	9·8	9·4
February	62·15	14·2	—	15·8	15·0	20·0	12·0	23·7	1	6·6	18	78	—	73	76	9·4	—	9·8	9·6
March	61·40	16·3	—	17·2	16·8	22·1	12·1	30·5	29	2·7	12	74	—	75	74	10·2	—	10·9	10·6
April	60·60	19·7	—	19·4	19·6	24·3	15·5	38·4	24	10·7	11	69	—	70	70	11·6	—	11·6	11·6
May	60·16	21·4	—	20·6	21·0	25·4	15·4	33·0	19	10·2	12	69	—	74	72	13·1	—	13·3	13·2
June	58·68	24·8	—	23·4	24·1	28·2	21·2	31·4	24	14·2	1	71	—	79	75	16·5	—	16·9	16·7
July	55·74	26·4	—	25·4	25·9	30·1	23·0	32·5	25	20·6	6	75	—	81	78	19·2	—	19·4	19·3
August	55·69	27·0	—	26·7	26·8	31·6	23·9	33·6	31	21·6	3	79	—	82	80	21·1	—	21·3	21·2
September	58·84	25·0	—	24·9	25·0	29·3	22·4	31·6	2	19·6	24	77	—	77	77	18·1	—	18·0	18·0
October...	61·68	22·6	—	22·6	22·6	27·7	20·2	29·5	4,27	17·2	29	77	—	76	76	15·6	—	15·6	15·6
November	62·93	21·2	—	21·2	21·2	25·2	19·3	34·2	3	12·2	22	76	—	77	76	14·4	—	14·6	14·5
December	62·58	14·2	—	15·9	15·0	19·3	12·0	24·6	4	8·7	9,27	76	—	74	75	9·2	—	9·9	9·6
Year	760·14	20·5	—	20·7	20·6	25·2	17·3	—	—	—	—	75	—	76	76	13·9	—	14·3	14·1

Summary of Meteorological Observations

φ = 31° 12′ N. λ = 29° 53′ E. of Greenwich

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20h.	Mean
1917																			
January	758·59	13·8	18·6	15·0	14·6	19·9	11·2	27·2	29	7·7	29	72	54	69	70	8·4	8·6	8·8	8·6
February	59·58	14·4	18·5	15·3	15·0	20·0	11·6	23·9	1,6	8·7	12	70	57	69	70	8·5	8·9	8·9	8·8
March	58·76	16·4	20·6	17·0	16·8	22·8	13·0	36·1	28	9·7	1,3	69	52	69	69	9·7	9·2	9·9	9·6
April	58·55	18·8	22·7	18·9	19·0	24·8	15·7	39·0	24	11·7	15	64	52	66	65	10·3	10·2	10·4	10·3
May	58·13	20·5	22·9	19·4	19·9	25·1	16·8	33·5	22	13·2	6	64	58	71	68	11·5	11·8	11·9	11·7
June	57·10	23·3	25·8	22·4	23·0	27·7	20·4	40·0	16	18·3	1	74	66	81	78	15·7	16·1	16·3	16·0
July	54·18	25·4	27·6	24·3	25·0	29·0	22·8	30·1	19	20·6	1	75	66	81	78	18·0	17·9	18·2	18·0
August	53·98	26·6	29·2	25·5	26·2	30·8	23·7	32·5	31	22·3	4,5	74	64	79	76	19·1	19·2	19·1	19·1
September	57·17	24·9	27·5	24·0	24·7	28·8	22·3	32·0	1	19·8	28	67	57	70	68	15·6	15·5	15·6	15·6
October...	59·75	22·6	25·5	22·1	22·4	27·1	19·5	30·0	8	16·4	27	70	60	73	72	14·2	14·5	14·5	14·4
November	60·53	20·3	23·8	20·3	20·4	25·5	17·0	31·0	11,12	9·9	21	74	61	73	74	13·2	13·3	13·0	13·2
December	60·02	14·1	18·2	15·7	14·8	19·7	11·2	26·0	3	8·2	9	73	56	65	69	8·7	8·7	8·7	8·7
Year	758·03	20·1	23·4	20·0	20·2	25·1	17·1	—	—	—	—	70	59	72	71	12·7	12·8	12·9	12·8

at PORT SAID for the year 1917.

H = 3·5 m. h_t = 1·8 m. h_r = 2·0 m. C_h = + 0·3 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wild
4·2	—	2·2	3·2	45·5	17·0	3	5	5	2·5	—	8·5	3·5	6	9	15	8	2	10	1·49
5·1	—	3·3	4·2	6·5	4·5	23	2	2	2·0	4·5	5·5	4·5	2	7	9·5	12·5	7·5	3	1·79
3·9	—	3·2	3·6	14·0	9·0	11	2	2	2·6	3	17·5	7·5	6·5	1·5	7	11	6	2	2·31
5·5	—	2·8	4·2	Drops	Drops	27	—	—	2·4	14·5	10·5	4	3	3	1	9	8	7	2·90
3·8	—	1·1	2·4	Drops	Drops	22	—	—	2·1	18·5	12·5	1	4	6	2	6	11	1	2·94
2·4	—	1·0	1·7	0·0	0·0	—	—	—	1·8	15	4·5	0·5	0·5	—	1	12	17·5	9	2·62
4·7	—	1·0	2·8	0·0	0·0	—	—	—	1·6	18·5	—	—	—	—	1	17	17·5	8	2·27
5·3	—	0·4	2·8	0·0	0·0	—	—	—	1·6	18	1	1	—	—	2	12	24	4	1·98
4·1	—	0·8	2·4	Drops	Drops	15	—	—	2·0	15	7	—	—	—	1	15	19	3	2·55
4·0	—	1·8	2·9	0·0	0·0	—	—	—	1·4	19·5	11·5	1	—	2	3	5	10	10	2·09
5·6	—	3·7	4·6	11·0	11·0	20	1	1	2·3	3·5	21·5	7·5	2·5	2	5	2	7	9	1·97
6·8	—	5·0	5·9	20·0	8·0	19	5	5	2·4	4·5	8	5·5	6·5	7	4	10·5	8	8	1·60
4·6	—	2·2	3·4	97·0	—	—	15	15	2·1	134·5	108	36	31	37·5	51·5	120	137·5	74	2·21

at ALEXANDRIA (Kôm el Nadûra) for the year 1917.

H = 32·0 m. h_t = 1·7 m. h_r = 2·0 m. C_h = + 2·8 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wild
3·5	3·9	4·7	4·0	66·0	15·0	21	7	7	2·4	9·5	11	2	4	6	8	14	15·5	23	1·90
4·2	5·1	5·3	4·9	39·4	24·4	12	3	3	2·0	16	14	4	2·5	4·5	4	8·5	10·5	20	1·78
3·8	4·5	3·8	4·0	13·3	6·3	11	3	3	2·6	15	22·5	11	7	3	1·5	15	11	7	2·02
5·8	4·6	4·4	4·9	1·0	1·0	2	1	1	2·0	25·5	23·5	4	6	2	1	0·5	16·5	11	2·50
3·4	2·3	3·0	2·9	Drops	Drops	16, 22	—	—	1·5	35·5	21	1·5	1	—	0·5	4·5	13	16	2·15
1·4	0·6	1·0	1·0	0·0	0·0	—	—	—	2·0	39	7	0·5	1	—	—	1	25·5	16	1·81
2·3	1·2	1·5	1·7	0·0	0·0	—	—	—	2·0	44·5	3	—	—	—	—	2	38·5	5	2·15
2·4	1·3	1·2	1·6	0·0	0·0	—	—	—	0·9	27	3·5	—	—	—	—	1	26·5	34	1·85
3·4	2·4	2·3	2·7	Drops	Drops	15	—	—	1·2	30·5	8·5	—	—	—	—	1	12	38	2·79
2·4	1·9	1·6	2·0	8·0	6·0	28	2	2	1·6	28	—	—	2	1	0·5	9·5	26	26	1·73
4·5	4·3	4·5	4·4	8·0	5·0	21	2	2	1·0	9·5	19·5	4·5	1	0·5	2·5	9·5	6	36	1·63
6·5	6·1	6·3	6·3	64·6	12·1	25	12	10	2·3	7·5	12·5	5·5	6·5	3	11	13·5	13·5	20	1·95
3·6	3·2	3·3	3·4	200·3	—	—	30	28	1·8	287·5	146	33	31	20	29	80	214·5	252	2·02

Summary of Meteorological Observations

$\varphi = 31° 7' N.$ $\lambda = 30° 57' E.$ of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm.)			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	Mean
1917																			
January	—	10·3	17·6	10·7	11·4	17·8	7·2	21·2	29	4·6	18	81	61	79	80	7·6	9·2	7·6	8·1
February	—	11·2	18·7	11·0	12·0	19·4	7·0	24·2	9	4·1	18	85	59	81	83	8·4	9·5	8·0	8·6
March	—	14·7	22·3	12·8	14·6	22·9	8·6	34·6	28	4·7	1	86	59	85	86	10·7	11·8	9·2	10·6
April	—	18·8	26·7	17·3	18·6	27·4	11·6	38·2	25	8·7	9	72	52	72	72	11·7	13·4	10·6	11·9
May	—	21·5	27·9	19·1	20·2	—	13·5	—	—	10·5	4	66	47	69	68	12·6	13·2	11·3	12·4
June	—	25·4	31·1	23·5	24·1	32·3	16·4	41·6	16	12·8	2	69	51	73	71	16·7	17·4	15·6	16·6
July	—	26·7	32·7	25·0	25·7	34·0	18·5	37·8	22	16·5	2	68	51	67	68	17·5	18·8	15·7	17·3
August	—	26·4	33·7	25·1	26·1	34·9	19·3	36·8	17	17·6	4	77	50	76	76	19·6	19·4	17·9	19·0
September	—	24·8	30·8	23·7	24·2	31·8	17·5	35·1	3	14·6	16,30	73	53	69	71	17·0	17·8	15·0	16·6
October...	—	21·2	27·2	20·0	20·6	28·4	14·2	30·5	24	11·8	28	78	56	79	78	14·5	15·0	13·8	14·4
November	—	17·4	25·1	15·9	17·8	26·4	12·7	31·8	3	6·5	21	78	49	78	78	11·5	11·5	10·5	11·2
December	—	9·2	18·7	8·3	10·6	19·9	6·4	25·4	3	4·6	12	80	40	81	80	6·9	6·4	6·6	6·6
Year	—	19·0	26·0	17·7	18·8	26·8	12·7	—	—	—	—	76	52	76	76	12·9	13·6	11·8	12·8

Summary of Meteorological Observations

$\varphi = 31° 3' N.$ $\lambda = 31° 23' E.$ of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm.)			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	Mean
1917																			
January	—	11·2	16·4	—	13·4	19·8	7·1	24·0	29	3·8	28	75	69	—	—	7·5	9·5	—	—
February	—	10·7	17·1	—	13·2	20·3	6·1	24·0	8	1·8	20	80	64	—	—	7·7	9·3	—	—
March	—	15·1	20·2	—	16·2	24·6	7·7	35·4	28	3·4	20	72	57	—	—	9·2	10·1	—	—
April	—	18·6	23·1	—	20·1	27·8	12·4	38·5	17	9·5	20	66	57	—	—	10·5	11·9	—	—
May	—	21·2	26·0	—	22·2	29·5	15·0	35·8	22,24	10·7	2	64	59	—	—	11·8	14·6	—	—
June	—	24·1	29·9	—	25·1	34·2	16·0	41·4	28	13·4	22	66	39	—	—	14·7	12·3	—	—
July	—	27·0	29·9	—	25·3	34·7	15·9	38·3	12	11·4	30	64	51	—	—	16·9	15·9	—	—
August	—	—	32·6	—	25·9	34·5	17·3	36·0	Several dates	12·4	1	—	39	—	—	—	14·4	—	—
September	—	23·5	29·5	—	23·2	31·1	15·2	35·8	1	12·0	22	80	49	—	—	17·1	15·0	—	—
October...	—	21·1	26·1	—	—	27·5	—	30·9	1	—	—	83	54	—	—	15·4	13·3	—	—
November	—	18·2	23·5	—	19·6	25·5	13·8	31·9	3	6·8	21	89	65	—	—	13·8	13·9	—	—
December	—	11·4	16·4	—	13·2	18·6	7·8	24·9	3	5·0	11,14,26	87	74	—	—	8·7	10·3	—	—
Year	—	18·4	24·2	—	19·8	27·3	12·2	—	—	—	—	75	56	—	—	12·1	12·5	—	—

at SAKHA for the year 1917.

$H = 6{\cdot}0$ m. $h_t = 1{\cdot}8$ m. $h_r = 0{\cdot}9$ m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
2·1	1·9	2·1	2·0	70·9	25·5	2	7	7	2·1	8	3	—	7	—	14	—	9	52	1·84
2·5	2·1	3·0	2·5	11·6	4·5	12,27	6	3	1·2	8·5	2	—	—	—	4	—	13·5	56	2·12
0·8	0·8	0·5	0·7	25·2	20·4	11	2	2	2·2	10	4	—	—	—	—	—	32	47	3·33
1·7	0·5	0·7	1·0	1·5	1·5	2	1	1	1·9	13	5·5	—	—	—	10	—	19·5	42	3·95
0·1	0·8	0·6	0·5	0·3	0·3	15	1	—	1·7	8·5	11·5	—	—	—	1	—	23	49	4·37
0·1	0·0	0·0	0·0	0·0	0·0	—	—	—	1·1	4·5	4	—	—	—	3	—	22·5	56	4·45
0·1	0·0	0·0	0·0	0·0	0·0	—	—	—	0·8	5·5	2·5	—	1	—	4	—	20	60	4·11
0·8	0·2	0·1	0·4	0·0	0·0	—	—	—	0·6	2·5	2	—	—	—	—	—	20·5	68	3·62
0·0	0·0	0·0	0·0	0·0	0·0	—	—	—	0·7	8	1	—	—	—	—	—	20	61	2·91
0·5	0·6	1·1	0·7	3·0	3·0	27	1	1	0·7	5	—	—	—	—	3	—	24	61	2·19
1·9	0·7	1·6	1·4	35·6	16·6	20	5	4	0·8	6	—	—	—	—	—	—	18	66	1·89
2·4	1·6	2·4	2·1	17·2	8·0	25	6	6	1·4	4·5	—	—	—	—	1	—	22·5	65	1·54
1·1	0·8	1·0	0·9	165·3	—	—	29	24	1·3	84	35·5	—	8	—	40	—	244·5	683	3·03

at MANSURA for the year 1917.

$H = 7{\cdot}0$ m. $h_t = 1{\cdot}5$ m. $h_r = 1{\cdot}0$ m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wild
—	—	—	—	55·2	20·0	3	6	6	2·7	7	3	4	2	12	28	6	—	—	1·75
1·8	1·8	—	—	7·5	3·4	12	4	4	1·7	5	1	1	2	18	12	16	1	—	1·52
1·9	1·4	—	—	15·6	8·0	10	2	2	1·4	4	1	16	4	10	8	18	1	—	2·24
1·2	0·6	—	—	3·0	3·0	2	1	1	1·6	12	2	4	8	10	2	13	9	—	2·91
1·4	0·9	—	—	2·5	2·5	15	1	1	1·5	10	—	6	2	15	9	18	2	—	4·41
0·1	0·0	—	—	0·0	0·0	—	—	—	1·3	16	2	5	3	4	3	12	14	—	5·13
0·1	0·0	—	—	0·0	0·0	—	—	—	1·0	15	—	—	—	10	4	28	5	—	5·52
0·0	0·0	—	—	0·0	0·0	—	—	—	1·1	—	4	—	—	—	12	32	14	—	4·96
0·2	0·5	—	—	0·0	0·0	—	—	—	1·8	6	6	4	—	4	4	18	18	—	3·21
1·5	1·8	—	—	1·0	1·0	27	1	1	1·9	7	3	—	2	5	8	22	15	—	2·37
3·3	3·4	—	—	3·1	1·6	3	2	2	2·1	8	10	6	2	4	12	5	13	—	1·66
5·1	5·4	—	—	14·8	9·0	25	5	4	2·7	2	10	—	3	2	18	20	7	—	1·33
1·5	1·4	—	—	102·7	—	—	22	21	1·7	92	42	46	28	94	120	208	99	—	3·08

Summary of Meteorological Observations

φ = 30° 51′ N. λ = 31° 7′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	761·11	9·9	18·6	11·3	11·5	19·5	6·3	23·7	29	2·3	8	90	57	87	88	8·2	8·9	8·7	8·6
February	61·81	10·9	19·4	12·2	12·2	20·5	6·2	25·1	8	3·2	4, 19	88	53	82	85	8·5	8·7	8·6	8·6
March	61·04	14·8	22·9	15·0	15·2	23·9	8·3	35·1	28	2·8	1	83	50	82	82	10·4	10·4	10·3	10·4
April	60·40	19·1	26·1	18·4	18·8	27·1	11·6	36·7	25	7·3	29	75	54	76	76	12·3	13·5	11·8	12·5
May	59·75	21·4	28·0	19·9	20·4	28·8	12·1	32·9	19	7·3	1	68	47	73	70	12·8	13·3	12·7	12·9
June	58·59	25·0	32·1	23·8	24·2	32·6	16·0	42·1	16	12·9	3	71	47	73	72	16·5	16·4	16·0	16·3
July	55·72	26·6	33·5	25·2	26·0	34·2	18·5	38·6	24	16·0	1	70	44	75	72	18·0	16·9	18·0	17·6
August	55·58	26·0	34·6	25·8	26·4	35·3	19·3	37·6	9	17·1	6	80	47	79	80	20·0	18·9	19·5	19·5
September	58·90	24·0	30·6	22·4	23·4	*31·1*	16·4	*37·0*	*1*	12·8	21	78	52	81	80	17·3	17·1	16·3	16·9
October	62·17	21·6	28·3	19·5	20·8	29·2	13·9	32·7	24	10·9	28	81	52	80	80	15·5	14·6	13·5	14·5
November	63·38	17·9	25·6	17·6	18·4	26·2	12·5	33·1	3	4·6	21	86	59	84	85	13·3	14·2	12·7	13·4
December	63·11	10·8	18·8	11·5	12·0	19·5	6·8	25·4	3	3·1	14	90	64	82	86	8·8	10·3	8·4	9·2
Year	760·13	19·0	26·5	18·5	19·1	27·3	12·3	—	—	—	—	80	52	79	80	13·5	13·6	13·0	13·4

Summary of Meteorological Observations

φ = 30° 35′ N. λ = 31° 30′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	760·66	9·1	18·6	12·5	11·6	21·5	6·2	27·9	17, 29	1·7	8	85	56	80	82	7·4	8·8	8·5	8·2
February	61·44	9·9	19·2	12·6	12·1	20·9	6·6	26·0	5	3·6	4	84	50	78	81	7·6	8·1	8·4	8·0
March	60·35	13·2	23·6	15·6	15·2	24·8	8·6	36·4	28	3·9	1	80	44	70	75	9·0	9·2	9·3	9·2
April	59·90	18·2	26·6	18·6	18·9	27·7	12·3	40·5	25	8·2	29	69	35	61	65	10·5	8·7	9·5	9·6
May	59·31	20·4	28·3	20·5	20·6	29·5	13·2	38·0	22	8·5	1	64	28	54	59	11·3	7·8	9·7	9·6
June	58·14	23·3	31·9	24·5	24·2	32·6	17·1	40·6	16	13·7	1	70	30	53	62	14·8	10·4	12·1	12·4
July	55·37	24·6	32·9	25·5	25·5	33·6	18·9	36·7	24	16·7	19	75	35	60	68	17·2	12·7	14·6	14·8
August	55·28	24·6	33·5	26·3	26·0	34·2	19·6	36·3	14	17·1	25	82	38	65	74	18·7	14·6	16·3	16·5
September	58·30	22·1	29·5	22·5	22·8	30·5	17·1	34·4	1	13·6	30	83	47	74	78	16·4	14·3	15·0	15·2
October	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	*62·65*	*15·8*	*24·8*	*17·3*	*17·7*	*25·8*	*12·9*	*29·8*	*12*	*6·8*	*21*	*87*	*54*	*82*	*84*	*11·9*	*12·4*	*12·3*	*12·2*
December	62·16	9·7	18·8	12·8	12·0	19·9	6·9	25·0	3	3·0	15	84	54	77	80	7·7	8·6	8·5	8·3
Year	759·41	17·4	26·2	19·0	18·8	27·4	12·7	—	—	—	—	78	43	69	73	12·0	10·5	11·3	11·3

at QURASHIYA for the year 1917.

H = 7·6 m. h_t = 1·6 m. h_r = 1·0 m. C_h = + 0·7 mm.

Clouds (0 - 10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
3·6	4·3	2·2	3·4	33·3	10·8	3	5	5	1·4	5·5	5	1	2	4·5	11·5	14·5	7	41	1·88
3·3	4·9	3·1	3·8	12·2	6·6	12	4	3	1·1	7	10·5	2·5	—	5·5	7·5	15	6	30	2·36
3·1	3·8	0·9	2·6	9·9	6·3	11	2	2	1·5	11	21·5	5·5	4	2	8·5	10·5	5	25	3·63
4·8	3·3	1·4	3·2	1·2	1·2	2	1	1	1·5	33	25	5	3	3·5	0·5	3	12	5	4·61
1·9	2·8	0·5	1·7	0·0	0·0	—	—	—	1.3	20	26·5	4	0·5	2	3·5	6·5	19	11	5·94
1·4	0·4	0·0	0·6	0·0	0·0	—	—	—	1·2	27	22	3·5	—	—	0·5	1·5	15·5	20	6·91
2·6	0·2	0·1	1·0	0·0	0·0	—	—	—	1·0	29·5	15	—	—	—	0·5	0·5	13·5	33	6·57
4·0	0·2	0·0	1·4	0·0	0·0	—	—	—	0·9	18·5	6·5	—	—	—	1	5	26	36	5·32
1·3	1·2	0·0	0·8	0·0	0·0	—	—	—	1·1	40	11·5	—	—	—	0·5	1·5	12·5	24	4·53
1·3	2·2	0·0	1·2	0·3	0·3	27	1	—	0·5	19·5	5·5	1	0·5	1	1	1·5	5	58	3·38
4·7	4·2	0·9	3·3	1·4	1·1	19	2	1	0·6	13·5	15	2	—	—	—	0·5	4	55	2·54
5·2	5·6	2·8	4·5	15·1	5·5	24	6	3	1·0	4·5	4·5	4	1	0·5	7	8·5	8	55	1·95
3·1	2·8	1·0	2·3	73·4	—	—	21	15	1.1	229	168·5	28·5	11	19	42	68·5	133·5	393	4·14

at ZAGAZIG for the year 1917.

H = 11·2 m. h_t = 1·6 m. h_r = 1·0 m. C_h = + 1·0 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wild
4·2	4·2	1·3	3·2	19·0	6·1	9	6	5	0·3	0·5	0·5	0·5	1	5·5	10	0·5	0·5	74	1·22
3·1	4·8	0·4	2·8	16·6	8·2	12	4	4	0·2	1·5	1	—	3	3	3·5	1	2	69	1·53
3·7	4·0	0·8	2·8	3·2	3·2	11	1	1	0·1	0·5	0·5	—	0·5	1	2·5	1·5	0·5	86	2·40
4·9	3·8	0·6	3·1	0·0	0·0	—	—	—	0·1	1·5	—	—	—	0·5	0·5	—	1·5	86	3·43
2·4	3·1	0·7	2·1	0·1	0·1	23	1	—	0·1	—	—	—	1	1	—	—	1	90	4·06
1·9	0·4	0·0	0·8	0·0	0·0	—	—	—	0·0	0·5	—	—	—	—	—	—	0·5	89	4·54
3·8	0·4	0·0	1·4	0·0	0·0	—	—	—	0·0	—	—	—	—	—	—	—	—	93	4·04
4·8	0·4	0·0	1·7	0·0	0·0	—	—	—	0·0	—	—	—	—	—	—	—	1	92	3·22
3·1	2·0	0·0	1·7	0·0	0·0	—	—	—	0·2	4·5	0·5	—	—	—	—	0·5	10·5	74	2·47
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5·3	4·3	1·0	3·5	3·0	3·0	19	1	1	0·1	5	—	—	—	—	—	—	2	71	1·27
5·6	6·0	1·2	4·3	0·7	0·4	18	2	—	0·1	2	—	—	—	3·5	3	0·5	1	83	1·01
3·9	3·0	0·5	2·5	42·6	—	—	15	11	1·1	16	2·5	0·5	5·5	14·5	19·5	4	20·5	997	2·65

Summary of Meteorological Observations

φ = 30° 28′ N. λ = 31° 11′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	10·5	18·8	—	13·1	19·5	6·7	24·9	29	1·7	8	88	52	—	—	8·3	8·4	—	—
February	—	11·4	19·8	—	13·9	20·8	7·0	24·7	8	2·3	20	82	45	—	—	8·2	7·7	—	—
March	—	15·0	23·7	—	16·9	24·9	8·9	37·5	28	4·2	1	78	37	—	—	9·9	8·3	—	—
April	—	19·0	*27·0*	—	20·3	28·3	12·3	39·3	25	9·4	9,10,22	71	*49*	—	—	11·6	*10·5*	—	—
May	—	21·7	28·8	—	21·8	30·2	13·4	38·5	22	9·4	1	64	29	—	—	12·3	8·6	—	—
June	—	24·2	32·5	—	25·6	33·6	17·6	42·3	16	12·6	1	68	32	—	—	15·1	11·6	—	—
July	—	25·2	33·5	—	27·2	34·7	19·6	38·2	24	17·3	1	74	36	—	—	17·7	14·0	—	—
August	—	25·5	34·0	—	27·8	35·3	20·2	37·8	9	17·6	9	81	40	—	—	19·5	16·0	—	—
September	—	*23·4*	*29·9*	—	*24·0*	*30·8*	*17·3*	*36·4*	*1*	*14·6*	*22*	77	*43*	—	—	*16·3*	*13·5*	—	—
October...	—	21·2	27·6	—	21·6	28·3	15·0	32·4	24	12·0	28	80	45	—	—	15·0	12·6	—	—
November	—	17·4	25·3	—	19·6	26·1	13·1	32·2	3	5·5	21	88	50	—	—	13·0	11·8	—	—
December	—	11·0	19·2	—	13·5	20·0	7·0	26·5	3	3·1	11,14	84	50	—	—	8·2	8·2	—	—
Year	—	18·8	26·7	—	20·4	27·7	13·2	—	—	—	—	78	42	—	—	12·9	10·9	—	—

Summary of Meteorological Observations

φ = 30° 6′ N. λ = 31° 19′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	11·5	19·1	14·8	13·6	19·9	8·9	27·2	29	4·3	8	78	51	69	74	7·8	8·2	8·5	8·2
February	—	12·4	20·2	15·5	14·4	21·0	9·6	26·5	8	5·6	19	74	42	66	70	7·8	7·3	8·6	7·9
March	—	16·1	25·1	19·3	18·1	25·8	11·9	38·5	28	7·1	1	67	30	50	58	8·9	6·9	8·3	8·0
April	—	19·7	28·2	22·1	21·2	29·3	14·7	44·0	25	10·8	29	62	28	46	54	10·0	7·3	8·7	8·7
May	—	21·6	29·5	23·7	22·6	30·2	15·8	38·7	19	11·1	2	61	28	47	54	11·1	8·5	10·1	9·9
June	—	23·7	32·8	27·6	25·8	33·7	19·1	42·0	16	16·1	1,2	69	30	41	55	14·8	11·0	11·3	12·4
July	—	25·0	33·9	28·4	27·0	34·8	20·9	38·0	22,24	19·4	1,15	73	32	50	62	17·0	12·4	14·3	14·6
August	—	25·2	34·6	29·7	27·8	35·3	21·6	37·9	9	20·1	4	78	38	53	66	18·6	15·4	16·5	16·8
September	—	22·6	30·2	25·0	24·2	30·9	19·1	36·1	1	15·6	18	80	47	62	71	16·3	15·0	14·7	15·3
October...	—	20·2	27·8	23·0	21·9	28·2	16·6	31·9	8	13·9	28	78	43	60	69	13·6	11·8	12·4	12·6
November	—	17·8	25·9	21·2	20·0	26·3	15·1	31·7	3	9·4	23	79	43	60	70	12·1	10·4	11·3	11·3
December	—	11·3	19·5	15·1	13·6	20·1	8·5	25·2	3	8·7	12	76	46	62	69	7·7	7·9	8·0	7·9
Year	—	18·9	27·2	22·1	20·8	28·0	15·1	—	—	—	—	73	38	55	64	12·1	10·2	11·1	11·1

at BENHA for the year 1917.

$H = 13{\cdot}8$ m. $h_t = 1{\cdot}6$ m. $h_r = 1{\cdot}3$ m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
					Maximum 1 day				Force	Direction									
									8 h.	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Amount	Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
5·2	4·9	—	—	20·1	10·2	5	6	3	2·0	1	10	3	2·5	4·5	23·5	11·5	4	—	3·11
4·4	6·1	—	—	9·9	7·1	11	4	2	1·6	6·5	10	2·5	2	3·5	17	5	9·5	—	3·24
5·0	5·5	—	—	0·2	0·2	11	1	—	1·9	2	17	5·5	2	4	19	4·5	6	—	4·74
5·7	*4·4*	—	—	0·0	0·0	—	—	—	2·0	*11*	*16*	*4·5*	*3*	*2*	*4·5*	*2*	*13*	—	6·19
2·8	3·2	—	—	Drops	Drops	21	—	—	1·9	7·5	19	7	3·5	3·5	6·5	4·5	8·5	—	7·83
1·6	0·5	—	—	0·0	0·0	—	—	—	1·9	19	12·5	2	0·5	—	1	5	19	—	9·06
3·6	0·6	—	—	0·0	0·0	—	—	—	2·0	21	12	—	—	—	1·5	6	21·5	—	8·08
3·7	0·4	—	—	0·0	0·0	—	—	—	1·8	13	5·5	—	—	—	1	15·5	27	—	6·56
3·0	*1·7*	—	—	*0·0*	*0·0*	—	—	—	*1·9*	*11·5*	*9*	—	—	—	*6·5*	*8·5*	*15·5*	—	*5·17*
2·5	2·3	—	—	0·0	0·0	—	—	—	1·5	13·5	21·5	0·5	0·5	0·5	7	5	13·5	—	3·83
5·0	4·7	—	—	0·5	0·5	4	1	—	1·8	10·5	26·5	1·5	2	2·5	7	4·5	5·5	—	2·93
5·7	5·8	—	—	2·8	2·0	18	3	1	1·8	5	8	1·5	4	4·5	15·5	9	7·5	7	2·26
4·0	3·4	—	—	33·5	—	—	15	6	1·8	121·5	167	28	20	25	110	81	150·5	7	5·25

at HELIOPOLIS for the year 1917.

$H = 41{\cdot}0$ m. $h_t = 1{\cdot}5$ m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
					Maximum 1 day				Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Amount	Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
3·1	4·1	2·6	3·3	—	—	—	—	—	1·8	2	4	2	—	7	10	20	1	47	3·67
2·3	3·3	1·8	2·5	—	—	—	—	—	1·2	14	—	1	—	9	1	10	2	47	4·99
3·4	3·4	2·0	2·9	—	—	—	—	—	1·9	25	3	—	—	6	3	11	1	44	7·17
3·9	3·0	1·9	2·9	—	—	—	—	—	1·2	31	2	1	2	4	—	1	6	43	8·88
2·0	2·1	1·1	1·7	—	—	—	—	—	1·6	40	2	—	—	3	—	10	2	36	9·67
2·0	0·5	0·2	0·9	—	—	—	—	—	1·4	49	—	—	—	—	—	7	7	27	11·01
3·5	0·1	0·0	1·2	—	—	—	—	—	1·3	43	—	—	—	—	—	2	17	31	10·87
3·9	0·2	0·0	1·4	—	—	—	—	—	0·7	37	—	—	—	—	—	3	5	48	9·53
2·8	1·4	0·1	1·4	—	—	—	—	—	1·0	41	—	—	—	—	—	—	4	45	7·67
3·6	1·3	0·3	1·7	—	—	—	—	—	0·9	36	—	—	—	2	—	—	—	55	6·29
3·8	2·8	2·6	3·1	—	—	—	—	—	1·2	43	—	—	—	2	—	1	—	44	5·60
4·1	4·4	2·5	3·7	—	—	—	—	—	1·0	31	2	1	—	6	—	1	5	47	4·21
3·2	2·2	1·3	2·2	—	—	—	—	—	1·3	392	13	5	2	39	14	66	50	514	7·46

Summary of Meteorological Observations

φ = 30° 5′ N. λ = 31° 17′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	759·08	10·5	17·9	14·0	12·9	19·3	9·1	26·5	29	5·0	8	80	55	75	78	7·6	8·3	8·9	8·3
February	59·51	11·0	19·5	14·8	13·7	20·7	9·4	25·0	8	6·0	19	80	44	68	74	7·8	7·5	8·5	7·9
March	58·49	15·0	24·6	18·4	17·5	25·6	12·0	37·2	28	8·0	1	69	32	55	62	8·8	7·3	8·7	8·3
April	57·82	18·6	27·5	21·3	20·5	28·9	14·6	42·0	25	11·0	10	65	32	51	58	10·4	8·6	9·6	9·5
May	57·21	20·8	28·4	23·0	22·0	29·8	16·0	38·0	19	12·0	5	62	30	46	54	11·2	8·7	9·6	9·8
June	56·05	23·1	32·3	27·0	25·4	33·8	19·2	42·1	16	15·5	1, 2	71	30	43	57	14·8	10·9	11·4	12·4
July	53·34	24·0	33·2	28·1	26·7	34·5	21·4	37·3	24	19·5	15	78	35	52	65	17·2	13·3	14·5	15·0
August	53·31	24·2	33·4	28·5	27·1	34·7	22·2	37·1	17	20·0	4	83	36	55	69	18·5	13·7	15·8	16·0
September	56·33	21·9	29·5	24·0	23·8	30·2	19·7	34·3	1	16·8	18	82	44	68	75	16·0	13·6	15·1	14·9
October	59·10	18·8	27·1	21·6	21·1	27·9	16·9	30·3	8	14·9	28	87	46	68	78	13·9	12·4	13·0	13·1
November	60·07	16·4	25·1	19·9	19·1	25·9	15·1	30·3	3	10·0	24	87	47	70	78	12·1	11·0	12·0	11·7
December	60·26	10·0	18·0	14·0	12·7	18·9	8·8	24·8	2	4·0	11	84	54	73	78	7·7	8·3	8·6	8·2
Year	757·55	17·9	26·4	21·2	20·2	27·5	15·4	—	—	—	—	77	40	60	69	12·2	10·3	11·3	11·3

Summary of Meteorological Observations

φ = 30° 3′ N. λ = 31° 15′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	10·4	—	—	14·4	20·6	8·2	27·6	29	4·7	8	79	—	—	—	7·4	—	—	—
February	—	11·7	—	—	15·3	21·9	8·7	27·7	8	4·8	19	74	—	—	—	7·5	—	—	—
March	—	15·8	—	—	18·7	26·0	11·4	38·0	28	6·6	1	65	—	—	—	8·8	—	—	—
April	—	19·5	—	—	21·6	29·0	14·2	42·5	25	11·3	29	65	—	—	—	10·3	—	—	—
May	—	21·6	—	—	22·8	30·1	15·6	37·6	19	11·3	1	61	—	—	—	11·5	—	—	—
June	—	23·7	—	—	26·4	33·7	19·2	42·3	16	15·3	1	73	—	—	—	15·7	—	—	—
July	—	24·9	—	—	28·0	34·8	21·2	37·6	24	19·0	1	74	—	—	—	17·2	—	—	—
August	—	25·2	—	—	28·5	35·2	21·8	37·5	9	19·5	6	78	—	—	—	18·7	—	—	—
September	—	23·3	—	—	25·3	31·4	19·2	35·6	1	16·1	30	76	—	—	—	16·2	—	—	—
October	—	20·3	—	—	22·8	29·0	16·5	32·1	24	13·6	28	78	—	—	—	13·8	—	—	—
November	—	17·7	—	—	21·0	27·2	14·9	33·1	3	9·3	23	81	—	—	—	12·2	—	—	—
December	—	10·5	—	—	14·4	20·6	8·2	26·3	3	4·8	11	81	—	—	—	7·8	—	—	—
Year	—	18·7	—	—	21·6	28·3	14·9	—	—	—	—	74	—	—	—	12·3	—	—	—

'ABBASIYA for the year 1917.

= 29·9 m. h_t = 2·0 m. h_r = 1·0 m. C_h = + 2·7 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	
3·5	4·0	2·8	3·4	29·8	16·5	4	5	4	3·6	17	1	5	5	35	11	8	6	5	—
3·5	4·4	2·5	3·5	13·7	5·3	27	4	4	3·6	26	1	—	—	27	7	14	6	3	—
3·9	4·1	1·6	3·2	1·5	1·5	11	1	1	4·4	38	3	—	6	22	10	8	5	1	—
3·5	3·2	1·5	2·7	0·0	0·0	—	—	—	4·3	59	—	—	5	—	3	8	14	1	—
3·0	3·5	1·6	2·7	0·0	0·0	·	—	—	4·3	55	—	—	3	1	9	12	10	3	—
2·7	0·5	0·0	1·1	0·0	0·0	—	—	—	4·2	40	1	1	—	—	—	25	23	—	—
3·6	0·6	0·2	1·5	0·0	0·0	—	—	—	3·9	37	—	—	—	—	2	19	35	—	—
3·2	0·3	0·0	1·2	0·0	0·0	—	—	—	3·3	30	3	3	—	1	2	24	30	—	—
2·4	1·2	0·0	1·2	0·0	0·0	—	—	—	2·5	30	11	14	—	—	—	11	23	1	—
3·7	1·9	0·7	2·1	Drops	Drops	27	—	—	4·0	49	—	—	1	5	9	10	18	1	—
4·0	4·4	3·0	3·8	7·5	7·5	19	1	1	3·8	49	2	—	1	6	9	14	7	2	—
4·8	4·8	3·1	4·2	3·2	1·5	18	3	2	3·3	19	6	3	5	32	10	10	2	6	—
3·5	2·7	1·4	2·5	55·7	—	—	14	12	3·8	449	28	26	26	129	72	155	179	23	—

t CAIRO (EZBEKIYA) for the year 1917.

= 22·0 m. h_t = 1·5 m. h_r = 1·0 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		8 h.	Number of observations in which the wind-direction was re orded as									
8 h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
3·9	—	—	—	19·4	9·8	4	6	3	1·5	1	1	—	2	10·5	6·5	—	1	9	2·25
3·0	—	—	—	8·4	2·8	16	4	4	1·2	2	—	—	1·5	9·5	2	—	1	12	3·00
3·7	—	—	—	0·5	0·5	11	1	—	1·5	7	—	—	—	5·5	8	0·5	—	10	4·62
4·2	—	—	—	Drops	Drops	2, 26	—	—	1·1	17	—	3	1	—	2	—	1	6	5·16
2·4	—	—	—	Drops	Drops	22	—	—	0·8	9	1	—	—	—	—	1	9	11	6·15
2·7	—	—	—	0·0	0·0	—	—	—	1·1	15·5	1	—	—	—	—	—	5·5	8	6·72
3·5	—	—	—	0·0	0·0	—	—	—	1·0	18	—	—	—	—	—	—	7	6	5·05
3·9	—	—	—	0·0	0·0	—	—	—	0·8	4	—	—	—	—	—	—	14	13	5·41
2·7	—	—	—	0·0	0·0	—	—	—	0·9	10	1	—	—	—	—	—	7	12	4·38
3·6	—	—	—	Drops	Drops	26, 27	—	—	0·5	6	2	—	—	—	2	1	—	20	3·35
4·1	—	—	—	1·9	1·9	19	1	1	0·8	11	1	—	1	—	1	—	1	15	3·05
5·5	—	—	—	3·8	2·1	18	4	2	1·0	1	—	—	4·5	3·5	3	—	1	18	2·42
3·6	—	—	—	34·0	—	—	16	10	1·0	101·5	7	3	10	29	24·5	2·5	47·5	140	4·37

Summary of Meteorological Observatio

$\varphi = 30° 2'$ N. $\lambda = 31° 13'$ E. of Greenwic

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	758·86	9·7	19·0	11·9	11·8	20·2	6·5	28·0	29	1·8	7	83	48	79	81	7·5	7·7	8·1	7·8
February	59·77	10·7	20·4	13·7	12·9	21·3	6·9	27·2	8	2·6	21	81	40	72	76	7·7	6·9	8·3	7·6
March	58·84	15·1	24·6	17·4	16·7	25·6	9·7	37·0	23	4·4	1	73	33	59	66	9·3	7·5	8·6	8·5
April	57·97	18·4	27·5	20·0	19·6	26·4	12·4	42·8	25	8·9	9	70	32	56	63	10·8	8·4	9·7	9·6
May	57·66	21·0	29·1	22·1	21·4	30·0	13·3	38·1	22	8·8	1	63	26	48	56	11·6	7·8	9·5	9·6
June	56·61	23·7	32·8	25·8	24·9	33·6	17·4	42·8	16	12·8	2	69	29	51	60	15·0	10·8	12·4	12·7
July	55·74	25·0	33·9	26·9	26·4	34·6	19·9	37·4	22	16·9	1	73	34	55	64	17·0	13·2	14·4	14·9
August	53·69	24·6	33·4	26·6	26·2	34·1	20·3	36·0	9	17·6	6	80	39	65	72	18·4	14·7	16·7	16·6
September	56·76	22·9	30·6	23·2	23·6	30·9	17·7	34·6	1	13·8	18	81	46	72	76	16·7	14·7	15·2	15·5
October...	59·41	19·7	27·9	20·9	20·9	28·7	15·1	32·1	8	11·9	24	86	46	70	78	14·5	12·8	12·9	13·4
November	60·18	17·0	25·7	18·2	18·6	26·5	13·7	33·2	3	7·0	23	85	45	78	82	12·4	11·2	12·3	12·0
December	60·68	10·1	19·2	12·5	12·2	20·1	7·2	26·2	3	2·3	11	85	45	75	80	7·9	7·3	8·1	7·8
Year	757·85	18·2	27·0	19·9	19·6	27·8	13·3	—	—	—	—	77	39	65	71	12·4	10·2	11·4	11·[illegible]

Summary of Meteorological Observatio

$\varphi = 29° 56'$ N. $\lambda = 32° 33'$ E. of Greenwic

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	17 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	17 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	17 h.	Mean
1917																			
January	*761·94*	13·4	19·4	*18·0*	15·5	20·9	10·1	24·0	14,30	5·0	8	71	49	*49*	*60*	8·1	8·2	*7·6*	*7·8*
February	*62·34*	*14·0*	20·1	*19·3*	*15·8*	21·7	*10·0*	26·0	6	*7·0*	*Several dates*	*71*	45	*47*	*59*	*8·5*	7·8	*7·7*	*8·7*
March	61·44	16·8	24·3	23·3	19·5	26·6	12·4	37·0	27	9·0	1,3,8	63	26	33	48	8·8	5·9	7·1	8·[illegible]
April	60·10	19·9	27·9	25·8	22·4	30·0	14·7	38·0	25	11·0	7	62	27	35	48	10·7	7·5	8·4	9·[illegible]
May	59·62	21·9	28·7	27·2	23·5	30·7	16·3	35·0	22,23	12·0	3,4	58	26	30	44	11·3	7·7	7·9	9·[illegible]
June	58·24	24·8	*33·2*	31·4	27·2	34·7	19·7	43·2	16	17·0	Several dates	59	*23*	26	42	13·8	*8·6*	9·1	11·[illegible]
July	55·42	26·0	34·5	33·3	28·8	36·3	21·2	39·0	Several dates	19·0	8,20	64	25	28	46	15·9	10·2	10·8	13·[illegible]
August	55·49	26·9	36·0	34·2	29·8	37·4	22·3	40·0	16,17,18	20·0	25,29	67	23	25	46	17·6	10·1	10·2	13·[illegible]
September	58·24	24·4	32·3	30·6	26·8	33·6	20·1	39·0	1	18·0	Several dates	67	29	34	50	15·2	10·3	11·0	13·[illegible]
October...	*61·16*	21·8	29·0	*26·0*	23·9	30·3	17·5	32·0	Several dates	15·0	Several dates	73	37	*44*	*58*	14·1	11·1	*11·5*	*12·[illegible]*
November	62·61	20·1	26·5	23·8	21·8	27·8	15·8	33·0	10,15	9·0	30	71	42	49	*60*	12·4	10·6	10·7	11·[illegible]
December	*63·08*	*13·5*	20·0	*17·4*	*15·8*	21·6	*10·0*	26·0	2,3,4	***5·0***	***15,16***	*69*	43	*54*	*62*	*7·9*	7·6	*8·0*	*8·[illegible]*
Year	759·97	20·3	27·7	25·9	22·6	29·3	15·8	—	—	—	—	66	33	38	52	12·0	8·8	9·2	10·[illegible]

GIZA for the year 1917.

= 27·8 m. h_t = 1·9 m. h_r = 0·9 m. C_h = + 2·4 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥ 0·1 mm.	≥ 1·0 mm.	Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	mm.	Amount	Date	of rain		Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wind
3·8	4·0	2·8	3·5	17·3	7·0	4	5	3	0·7	3	3	—	2	11·5	25·5	3	14	30	2·19
2·9	3·3	2·9	3·0	9·0	2·9	27	4	4	0·8	14·5	2	—	1·5	10·5	8	7	27·5	12	3·00
3·8	3·4	2·3	3·2	Drops	Drops	11	—	—	1·2	23·5	5	1	2·5	9	9·5	9	23·5	10	5·11
4·4	3·5	2·8	3·6	0·0	0·0	—	—	—	1·1	29	2·5	—	—	4	1	3·5	42	8	5·12
2·2	2·3	1·5	2·0	0·0	0·0	—	—	—	1·0	23·5	6·5	—	—	1	1·5	5·5	35	20	5·61
2·5	0·2	0·0	0·9	0·0	0·0	—	—	—	1·1	30·5	2·5	—	—	—	—	—	49	8	7·01
3·5	0·3	0·1	1·3	0·0	0·0	—	—	—	1·0	19·5	—	—	—	—	—	3	60·5	10	6·25
5·5	0·0	0·1	1·9	0·0	0·0	—	—	—	0·7	10·5	—	—	—	—	—	4·5	69	9	4·88
3·3	1·2	0·0	1·5	0·0	0·0	—	—	—	0·8	15	—	—	—	—	—	1	61	13	3·29
4·4	1·6	0·4	2·1	Drops	Drops	26, 27	—	—	0·8	21	1	—	0·5	0·5	—	5·5	39·5	25	2·84
3·9	4·2	3·4	3·8	1·4	1·4	19	1	1	0·9	16	6·5	—	5	2	1	1·5	41	17	2·14
5·4	5·8	3·5	4·9	3·1	1·4	18	5	2	0·7	1	4	—	—	7	9·5	15	26·5	30	2·25
3·8	2·5	1·6	2·6	30·8	—	—	15	10	0·9	207	33	1	11·5	45·5	56	58·5	488·5	192	4·14

SUEZ for the year 1917.

= 3·4 m. h_t = 1·8 m. h_r = 3·2 m. C_h = + 0·3 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥ 0·1 mm.	≥ 1·0 mm.	Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	17 h.	Mean	mm.	Amount	Date	of rain		Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	
1·7	2·9	2·9	2·3	8·0	7·3	4	2	1	0·9	8	1·5	—	—	10·5	4·5	10·5	10	41	—
2·3	2·3	2·2	2·2	6·1	2·6	11	4	3	0·8	18·5	5·5	2·5	0·5	9·5	6	6	3·5	27	—
2·5	2·6	2·4	2·4	0·0	0·0	—	—	—	1·3	25	5·5	1·5	—	15	2	15	12	16	—
2·7	2·3	1·9	2·3	0·0	0·0	—	—	—	1·3	27·5	8	1	—	9	1	—	27·5	12	—
1·3	2·1	1·8	1·6	0·0	0·0	—	—	—	1·0	31	9·5	2	—	9	1	2	10·5	25	—
0·4	0·0	0·0	0·2	0·0	0·0	—	—	—	0·7	31·5	6·5	1·5	—	—	—	—	8·5	38	—
0·8	0·0	0·0	0·4	0·0	0·0	—	—	—	0·8	37·5	10·5	0·5	—	—	1	—	14·5	26	—
0·5	0·0	0·0	0·2	0·0	0·0	—	—	—	0·9	28	9	1·5	—	—	1	0·5	14	36	—
0·6	0·0	0·2	0·4	0·0	0·0	—	—	—	1·0	35	14·5	1	—	—	—	—	12·5	24	—
1·4	0·5	0·4	0·9	0·0	0·0	—	—	—	1·0	33·5	11	2·5	—	3·5	0·5	1·5	5·5	31	—
3·4	3·1	3·4	3·4	11·2	10·2	19	2	2	1·0	28·5	14	1	1	9	2·5	0·5	12·5	20	—
3·0	3·6	3·6	3·3	5·0	4·5	18	2	1	1·0	17·5	12·5	5·5	1	6	7	2	10·5	26	—
1·7	1·6	1·6	1·6	30·3	—	—	10	7	1·0	321·5	108	20·5	2·5	71·5	26·5	38	141·5	322	—

Summary of Meteorological Observation

φ = 29° 52′ N. λ = 31° 20′ E. of Greenwich

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	751·46	10·8	18·6	14·6	13·4	19·7	9·4	26·8	29	6·2	8	67	43	55	61	6·4	6·7	6·7	6·6
February	51·76	11·5	19·7	15·3	14·1	21·0	9·8	27·7	8	7·1	19	67	34	51	59	6·7	5·6	6·5	6·3
March	50·76	15·4	24·7	19·5	18·0	26·3	12·3	38·5	28	6·4	1	56	24	39	48	7·2	5·2	6·4	6·3
April	50·04	18·6	27·8	22·6	21·1	29·6	15·3	43·8	25	11·2	30	59	24	38	48	9·0	6·1	7·3	7·5
May	49·49	20·7	28·4	24·1	22·3	30·3	16·1	38·9	22	10·9	1	53	21	35	44	9·2	5·9	7·8	7·6
June	48·43	22·5	32·0	28·0	25·4	33·7	19·3	42·8	16	17·0	5	67	23	34	50	13·4	8·0	9·4	10·3
July	45·75	23·6	33·3	29·7	26·9	34·9	20·9	37·8	22, 24	19·0	31	71	26	36	54	15·3	9·6	11·1	12·0
August	45·74	24·2	33·9	30·5	27·6	35·5	21·6	38·8	17	20·2	22	75	24	37	56	16·7	9·3	12·1	12·7
September	48·79	22·4	30·1	25·9	24·5	31·3	19·5	36·6	1	17·1	21, 30	73	34	50	62	14·6	10·6	12·3	12·5
October...	51·45	20·5	27·6	23·0	22·2	28·8	17·5	32·6	23	14·8	28	74	35	53	64	13·2	9·6	10·9	11·2
November	52·25	19·6	25·8	21·0	20·6	27·1	16·8	33·6	3	9·2	21	63	37	56	60	10·4	9·0	10·4	9·9
December	52·54	11·7	18·6	14·8	13·6	20·0	9·1	27·3	3	4·7	9	65	41	53	59	6·6	6·4	6·6	6·5
Year	749·87	18·4	26·7	22·4	20·8	28·2	15·6	—	—	—	—	66	30	45	55	10·7	7·7	9·0	9·1

Summary of Meteorological Observation

φ = 29° 20′ N. λ = 30° 38′ E. of Greenwi

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mea
1917																			
January	761·02	8·9	20·3	13·2	12·2	20·8	6·3	27·4	29	2·7	25	80	43	67	74	6·8	7·5	7·6	7
February	61·24	10·7	21·1	14·0	13·2	21·8	6·8	26·3	6	2·9	21	77	36	65	71	7·4	6·8	7·7	7
March	60·18	14·9	26·0	17·9	17·2	26·5	9·8	38·5	28	4·5	1	69	29	52	60	8·7	7·0	7·9	7
April	59·31	19·6	29·1	21·2	20·9	29·8	13·7	42·5	25	10·7	22	61	30	53	57	10·5	8·9	9·8	9
May	58·90	22·2	30·4	23·6	22·8	30·9	15·2	39·3	19	11·5	1	59	32	50	54	11·7	10·2	10·8	10
June	57·87	24·9	34·3	27·4	26·2	34·9	18·3	48·0	16	15·8	10	63	34	51	57	14·7	13·5	13·9	14
July	55·00	26·2	36·1	29·4	27·9	36·7	20·0	39·9	24	17·5	24	66	30	49	58	16·5	13·4	14·7	14
August	55·06	26·9	37·0	29·2	28·4	37·5	20·6	39·6	18	17·8	9	66	30	52	59	17·4	13·8	15·6	15
September	58·01	24·1	32·6	25·7	25·2	32·9	18·5	37·0	1	14·5	30	68	32	53	60	15·0	11·9	12·9	13
October...	60·76	21·1	29·1	22·0	22·0	29·5	16·0	34·4	8	10·8	26	74	38	64	69	13·8	11·5	12·4	12
November	61·68	17·7	26·5	19·3	19·4	26·9	14·0	31·8	16	6·9	23	78	44	71	74	11·8	11·1	11·8	11
December	62·11	9·9	19·9	13·2	12·5	20·3	7·1	26·5	2	2·9	9	80	45	68	74	7·2	7·8	7·7	7
Year	759·27	18·9	28·5	21·3	20·7	29·0	13·9	—	—	—	—	70	35	58	64	11·8	10·3	11·1	11

at HELWAN for the year 1917.

H = 115·6 m. h_t = 2·0 m. h_r = 1·0 m. C_h = + 10·1 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wild
3·3	4·4	2·9	3·5	13·4	9·4	4	6	3	2·7	10	17·5	5	7·5	21·5	6	12·5	13	—	2·60
2·4	4·5	3·3	3·4	16·1	5·0	16	5	5	2·7	23·5	17	5	7	9	10·5	5·5	6·5	—	3·11
4·2	4·2	2·9	3·8	Drops	Drops	10	—	—	3·3	18	25·5	5	4·5	9·5	9	8	13·5	—	5·75
3·4	3·1	1·8	2·8	Drops	Drops	2	—	—	3·5	38·5	24·5	1·5	4·5	2	3	1	15	—	6·70
2·1	3·6	2·1	2·6	Drops	Drops	22	—	—	3·4	40	25	1·5	1·5	2	6·5	6·5	10	—	7·51
1·2	0·1	0·0	0·4	0·0	0·0	—	—	—	3·6	47·5	9·5	1·5	—	—	—	—	31·5	—	9·62
1·5	0·2	0·1	0·6	0·0	0·0	—	—	—	3·5	70	0·5	—	—	—	—	—	22·5	—	9·10
1·7	0·0	0·0	0·6	0·0	0·0	—	—	—	3·1	48		1	—	—	—	0·5	40·5	—	9·12
1·6	0·7	0·0	0·8	0·0	0·0	—	—	—	3·2	61	6	—	—	—	1	0·5	21·5	—	6· 7
2·3	1·0	0·5	1·3	Drops	Drops	27, 29	—	—	2·9	45·5	29·5	1·5	1	1	1·5	3·5	9·5	—	4·84
3·4	4·3	3·2	3·6	0·3	0·3	19	1	—	3·4	19·5	40·5	7·5	6·5	2·5	3	2·5	7	1	4·15
5·1	5·1	3·5	4·6	3·8	3·4	18	2	1	2·7	14	21	9·5	10	15	9	6·5	7	1	2·55
2·7	2·6	1·7	2·3	33·6	—	—	14	9	3·2	435·5	219·5	39	42·5	62·5	49·5	47	197·5	2	5·98

at QASR EL GEBALI for the year 1917.

H = 7·6 m. h_t = 1·7 m. C_h = + 0·7 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wild
1·7	3·1	2·3	2·4	—	—	—	—	—	2·0	27·5	1·5	0·5	10	6·5	11	4·5	13·5	18	2·84
2·1	3·2	2·2	2·5	—	—	—	—	—	1·6	29·5	2	—	5·5	7·5	4·5	5	15	15	3·20
1·9	3·0	1·4	2·1	—	—	—	—	—	2·3	33	10	—	7·5	4	10·5	8	9	10	4·78
1·9	2·2	1·2	1·8	—	—	—	—	—	2·6	55	11	0·5	3	3	2	—	2·5	10	4·97
1·6	2·9	1·5	2·0	—	—	—	—	—	2·6	42	12	—	—	1	6	1·5	15·5	14	5·73
0·7	0·0	0·0	0·2	—	—	—	—	—	3·2	77	4·5	—	—	—	—	—	6·5	2	6·85
0·6	0·2	0·1	0·3	—	—	—	—	—	2·9	78	2·5	—	—	—	—	0·5	10	2	6·59
0·5	0·0	0·0	0·2	—	—	—	—	—	2·4	57·5	2	—	1	1	1	1·5	12	15	4·91
1·5	0·4	0·0	0·6	—	—	—	—	—	2·9	66·5	4·5	—	—	—	3	1	6	6	5·58
1·1	0·8	0·3	0·7	—	—	—	—	—	2·1	60·5	8·5	—	1·5	2	1·5	2	8	9	4·34
2·8	2·5	2·6	2·6	—	—	—	—	—	1·6	48·5	11·5	1	0·5	3	0·5	—	2	21	3·64
3·1	3·5	2·1	2·9	—	—	—	—	—	1·9	28	4·5	0·5	1	7·5	13·5	15·5	9·5	13	2·85
1·6	1·8	1·1	1·5	—	—	—	—	—	2·3	603	74·5	2·5	30	35·5	53·5	39·5	109·5	135	4·64

Summary of Meteorological Observations

$\varphi = 29° 4'$ N. $\lambda = 31° 6'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	12·5	—	—	12·6	20·9	4·2	23·0	20	3·0	25	87	—	—	—	9·3	—	—	—
February	—	11·3	—	—	13·4	21·4	5·3	26·0	7	2·3	4, 19, 21	84	—	—	—	8·3	—	—	—
March	—	14·4	—	—	17·3	27·0	7·6	37·4	28, 29	1·8	1	57	—	—	—	6·6	—	—	—
April	—	19·0	—	—	20·7	29·8	11·6	42·1	25	8·2	29, 30	44	—	—	—	7·0	—	—	—
May	—	21·5	—	—	21·4	29·9	13·0	38·7	19	8·6	1	57	—	—	—	10·6	—	—	—
June	—	24·7	—	—	25·8	34·3	17·2	41·0	16	14·6	4	71	—	—	—	16·2	—	—	—
July	—	*26·8*	—	—	*27·8*	*35·6*	*20·1*	*38·0*	*23*	*17·1*	*13*	*68*	—	—	—	*17·7*	—	—	—
August	—	25·5	—	—	*28·6*	*37·3*	19·9	*39·4*	*6*	18·1	29	77	—	—	—	18·4	—	—	—
September	—	19·6	—	—	24·3	32·4	16·2	36·5	2	14·6	24	81	—	—	—	13·7	—	—	—
October	—	21·7	—	—	23·8	31·1	16·6	32·8	24	14·6	2	78	—	—	—	15·0	—	—	—
November	—	22·9	—	—	25·4	33·2	17·7	35·5	15, 18	12·5	30	72	—	—	—	15·1	—	—	—
December	—	15·2	—		13·6	21·4	5·7	27·0	1	0·8	12	74	—	—	—	9·5	—	—	—
Year	—	19·6	—	—	21·2	29·5	12·9	—	—	—	—	71	—	—	—	12·3	—	—	—

Summary of Meteorological Observations

$\varphi = 28° 14'$ N. $\lambda = 33° 37'$ E. of Greenwich

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917														166					
January	761·20	12·2	20·9	17·4	15·0	21·8	9·4	27·0	30	6·0	24, 25	65	50	51	58	6·8	9·0	7·6	7·8
February	60·85	13·5	20·7	18·6	15·7	21·8	9·9	26·0	8	7·5	4, 21	55	51	49	52	6·3	9·2	7·9	7·8
March	59·83	16·9	23·7	21·3	18·5	25·2	12·2	34·0	29	8·3	8	51	48	53	52	7·3	10·5	9·9	9·2
April	57·85	21·9	25·6	24·6	22·2	28·8	16·8	38·0	25	12·6	11	53	53	48	50	10·2	12·5	10·6	11·1
May	57·40	23·1	26·8	26·4	24·0	29·5	19·6	37·1	19	13·9	8	58	45	31	44	12·2	11·1	7·7	10·3
June	54·99	24·7	27·6	28·2	25·8	31·0	22·7	38·1	18	18·8	16	66	57	45	56	15·2	15·5	12·4	14·4
July	52·32	26·2	29·2	29·2	27·3	32·1	24·5	35·0	24	20·9	6	67	54	50	58	16·9	16·1	14·8	15·9
August	53·01	27·5	31·3	30·7	28·4	34·0	24·3	33·0	3, 4, 10	20·0	4, 5	66	48	48	57	18·0	15·9	15·2	16·4
September	55·36	26·1	28·6	28·7	26·5	30·8	22·5	37·1	1	17·0	28	62	59	48	55	15·6	17·0	13·7	15·4
October	59·07	22·2	26·4	24·7	22·8	27·7	17·9	31·6	9	13·0	18	55	60	54	54	11·0	15·3	12·4	12·9
November	60·90	19·1	25·7	22·7	20·7	26·9	15·4	32·1	3	9·0	23	58	54	60	59	9·8	13·7	12·6	12·0
December	61·51	13·0	*20·8*	17·3	*15.2*	*21·6*	9·9	*26·4*	*4*	6 0	27	57	*47*	50	54	*6·5*	*8·7*	7·5	*7·6*
Year	757·86	20·5	25·6	24·2	21·8	27 6	17·1	—	—	—	—	59	52	49	54	11·3	12·9	11·0	11·7

t BENI SUEF for the year 1917.

= 28·4 m. h_t = 1·3 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥ 0·1 mm.	≥ 1·0 mm.	Force	Direction									mm. per day
							of rain		8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·3	—	—	—	—	—	—	—	—	1·0	24	—	—	—	—	5	1	1	—	1·84
1·1	—	—	—	—	—	—	—	—	1·2	3	5	—	7	1	10	1	1	—	2·96
0·8	—	—	—	—	—	—	—	—	2·1	3	8	—	4	—	13	1	2	—	5·31
0·3	—	—	—	—	—	—	—	—	1·8	9·5	16·5	—	—	—	3	1	—	—	5.45
0·4	—	—	—	—	—	—	—	—	1·5	24	4	—	3	—	—	—	—	—	6·39
0·0	—	—	—	—	—	—	—	—	1·2	24	3	—	—	—	—	—	2	—	8·72
0·0	—	—	—	—	—	—	—	—	*1·6*	—	—	—	—	—	—	—	—	—	*7·81*
0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	*7·38*
0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·08
0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·36
0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·63
0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2·37
0·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·36

t TOR for the year 1917.

H = 1·9 m. h_t = 1·9 m. C_h = + 0·2 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥ 0·1 mm.	≥ 1·0 mm.	Force	Direction									mm. per day
							of rain		Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
2·5	2·2	2·9	2·5	—	—	—	—	—	1·7	21	15	1	—	4	4	—	25	23	5·69
2·5	2·4	2·9	2·6	—	—	—	—	—	2·1	21	8	—	—	—	3	—	38	14	6·72
2·1	2·1	2·0	2·1	—	—	—	—	—	2·0	35	7	1	1	4	7	0·5	39	30	7·96
2·3	2·6	2·2	2·4	—	—	—	—	—	2·8	1	3	—	—	7	—	0·5	57·5	21	8·96
1·7	2·8	2·2	2·2	—	—	—	—	—	3·2	1	—	—	—	4	—	—	82	6	9·98
0·3	0·4	0·2	0·3	—	—	—	—	—	4·0	—	—	—	—	—	2	—	86	2	10·77
0·5	0·5	0·2	0·4	—	—	—	—	—	3·7	—	—	—	—	—	—	—	92	1	10·44
0·1	0·4	0·3	0·3	—	—	—	—	—	3·2	—	—	—	—	—	—	—	84	9	10·31
0·1	0·4	0·3	0·3	—	—	—	—	—	3·4	—	1	—	—	—	—	—	84	5	9·39
0·5	0·7	0·8	0·7	—	—	—	—	—	2·3	5	9	—	—	—	—	—	54	25	6·60
4·4	4·2	2·9	3·8	—	—	—	—	—	2·2	13	17	1	3	10	5	—	29	12	4·93
3·9	4·0	2·5	3·5	—	—	—	—	—	2·2	10	23	1	—	10	1	—	34	14	5·70
1·7	1·9	1·6	1·8	—	—	—	—	—	2·7	75·5	83	4	4	39	22	1	704·5	162	7·97

Summary of Meteorological Observations

φ = 28° 6′ N. λ = 30° 46′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm.)			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	Mean
1917																			
January	—	11·5	—	—	—	20·1	—	23·8	30	—	—	74	—	—	—	7·5	—	—	—
February	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May	—	22·3	—	—	24·0	31·8	16·2	41·8	22	10·0	1	64	—	—	—	12·6	—	—	—
June	—	24·6	—	—	26·9	34·9	18·9	43·1	16	17·0	11	61	—	—	—	13·8	—	—	—
July	—	25·3	—	—	28·4	36·0	20·7	38·3	23,24	19·1	5,27	62	—	—	—	14·7	—	—	—
August	—	26·5	—	—	29·0	36·8	21·3	40·2	19	19·5	27	59	—	—	—	15·1	—	—	—
September	—	23·3	—	—	25·6	32·0	19·2	38·8	1	16·3	30	67	—	—	—	14·2	—	—	—
October...	—	20·6	—	—	22·6	28·3	16·9	31·2	8,14	15·0	24	78	—	—	—	14·1	—	—	—
November	—	17·8	—	—	20·5	26·4	14·6	32·1	16	7·9	24	82	—	—	—	12·6	—	—	—
December	—	10·7	—	—	14·0	19·7	8·2	26·2	3	2·4	12	81	—	—	—	7·8	—	—	—
Year	—	*20·3*	—	—	—	*29·6*	—	—	—	—	—	*70*	—	—	—	*12·5*	—	—	—

Summary of Meteorological Observatio

φ = 27° 11′ N. λ = 31° 13′ E. of Greenwic

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm.)			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	Mea
1917																			
January	757·55	10·4	19·2	13·7	12·8	20·3	7·8	23·6	18,29,30	5·3	25	74	51	71	72	7·0	8·5	8·3	7·
February	57·39	11·7	20·8	14·9	14·0	21·9	8·5	27·1	8	5·2	19	74	46	66	70	7·5	8·2	8·2	8·
March	56·24	15·6	26·0	19·0	18·0	27·3	11·5	36·4	29	6·6	1	61	31	51	56	8·0	7·8	8·2	8·
April	54·51	20·6	30·8	24·9	23·1	31·8	16·2	40·9	26	12·7	9	54	26	36	45	9·5	8·5	8·4	8·
May	54·21	22·7	30·5	26·6	24·4	31·4	17·7	41·6	19	13·5	1	44	19	26	35	8·8	6·3	6·7	7·
June	52·57	25·1	34·0	30·5	27·5	34·6	20·5	42·0	17	17·6	1	49	23	29	39	11·3	9·2	9·2	9·
July	50·33	26·6	34·6	31·5	28·9	35·3	22·8	38·7	22	20·8	1	50	20	26	38	12·8	8·3	8·8	10·
August	50·44	27·5	35·5	31·4	29·4	36·1	23·3	38·8	16	21·4	4,29	51	23	30	40	13·9	10·0	10·4	11·
September	53·27	23·4	30·7	27·4	25·6	31·3	20·8	37·7	1	17·6	30	67	36	48	58	14·1	11·6	12·9	12·
October...	56·11	20·9	26·3	23·8	22·4	27·1	18·5	30·5	8	16·9	29	70	56	61	66	12·8	14·3	13·3	13·
November	56·99	18·0	25·0	20·4	19·6	26·0	14·9	30·6	5	8·9	24	72	50	68	70	11·1	11·8	12·4	11·
December	58·13	10·8	18·1	13·4	12·6	19·0	7·9	25·6	1	4·5	12	75	49	71	73	7·4	7·6	8·3	7·
Year	754·81	19·4	27·6	23·1	21·5	28·5	15·9	—	—	—	—	62	36	49	55	10·4	9·3	9·6	9·

at MINYA for the year 1917.

H = 43·0 m. h_t = 1·7 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
					Maximum 1 day		≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Force	Direction									
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wind
1·5	—	—	—	—	—	—	—	—	3·1	14	—	7	—	—	—	—	7	3	1·95
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1·6	—	—	—	—	—	—	—	—	2·6	16·5	6·5	1	2	3	—	—	2	—	—
0·2	—	—	—	—	—	—	—	—	3·6	15	14·5	—	—	—	—	—	0·5	—	6·10
0·2	—	—	—	—	—	—	—	—	3·4	24	6·5	0·5	—	—	—	—	—	—	6·45
0·0	—	—	—	—	—	—	—	—	2·7	20·5	10	—	—	—	—	—	0·5	—	6·52
1·0	—	—	—	—	—	—	—	—	3·2	21	8·5	—	—	—	—	—	0·5	—	4·93
0·8	—	—	—	—	—	—	—	—	2·8	18·5	8·5	—	0·5	2·5	—	—	1	—	2·44
2·7	—	—	—	—	—	—	—	—	2·0	15·5	4	1	1	2	1	0·5	5	—	—
2·5	—	—	—	—	—	—	—	—	2·0	13·5	5	0·5	1·5	3	2·5	4	1	—	—
1·2	—	—	—	—	—	—	—	—	*2·8*	*158·5*	*63·5*	*10*	*5*	*10·5*	*3·5*	*4·5*	*17·5*	*3*	—

at ASYUT for the year 1917.

H = 55·4 m. h_t = 2·0 m. C_h = + 4·8 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
					Maximum 1 day		≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wind
1·0	2·2	0·7	1·3	—	—	—	—	—	2·8	7·5	1	0·5	7	6	3·5	30·5	37	—	3·01
1·4	2·5	0·8	1·6	—	—	—	—	—	2·8	10	0·5	0·5	4·5	4·5	1·5	25·5	37	—	3·19
1·0	1·5	0·8	1·1	—	—	—	—	—	3·1	14·5	2·5	2·5	8·5	6·5	—	21	37·5	—	6·68
1·6	1·8	1·4	1·6	—	—	—	—	—	3·4	16	4·5	0·5	3·5	5	2	23	35·5	—	10·44
1·5	2·1	1·4	1·7	—	—	—	—	—	3·2	27	2	—	2·5	3	0·5	18	40	—	11·57
0·3	0·0	0·1	0·1	—	—	—	—	—	3·5	26·5	5·5	1·5	—	—	0·5	18·5	37·5	—	15·34
0·3	0·3	0·2	0·3	—	—	—	—	—	3·7	30	4	—	—	—	—	17	42	—	15·73
0·0	0·1	0·2	0·1	—	—	—	—	—	2·9	22·5	2	—	—	—	—	23·5	45	—	12·72
0·1	0·0	0·0	0·0	—	—	—	—	—	3·4	19·5	1	—	—	—	—	24·5	45	—	9·10
0·5	0·6	0·2	0·4	—	—	—	—	—	2·8	15·5	—	0·5	0·5	—	0·5	29·5	46·5	—	4·69
2·6	3·0	2·3	2·6	—	—	—	—	—	2·4	7	0·5	2	2·5	2·5	2·5	32·5	40·5	—	2·91
2·9	3·7	1·7	2·8	—	—	—	—	—	2·6	14	2·5	1·5	5	3·5	2	29	35·5	—	2·68
1·1	1·5	0·8	1·1	—	—	—	—	—	3·0	210	26	9·5	34	31	13	292·5	479	—	8·17

Summary of Meteorological Observations

$\varphi = 26^\circ\ 10'$ N. $\lambda = 32^\circ\ 43'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm.)			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	Mean
1917																			
January	—	14·0	—	—	15·3	23·9	6·7	27·8	15	4·8	4,26	64	—	—	—	5·4	—	—	—
February	—	15·6	—	—	16·8	25·5	8·1	31·0	8,9	5·3	4	59	—	—	—	7·8	—	—	—
March	—	19·4	—	—	21·0	31·5	10·4	40·5	29	5·7	2	50	—	—	—	8·3	—	—	—
April	—	25·5	—	—	26·0	36·2	15·8	42·8	25	9·4	5	39	—	—	—	9·4	—	—	—
May	—	25·4	—	—	26·8	35·2	18·3	42·5	23	13·0	3	41	—	—	—	9·8	—	—	—
June	—	29·2	—	—	*31·0*	40·0	*21·9*	44·8	16	*19·5*	*14*	41	—	—	—	12·5	—	—	—
July	—	30·6	—	—	32·2	40·6	23·9	45·6	24	21·5	2,31	47	—	—	—	15·3	—	—	—
August	—	30·6	—	—	31·5	40·0	23·0	42·2	10	20·6	2	45	—	—	—	14·5	—	—	—
September	—	27·9	—	—	29·0	36·6	21·4	41·0	2	19·0	19	53	—	—	—	14·7	—	—	—
October	—	24·6	—	—	25·0	32·9	17·1	35·9	15	15·0	27,31	57	—	—	—	13·1	—	—	—
November	—	22·7	—	—	23·4	31·3	15·6	36·1	3	10·9	23,24	57	—	—	—	11·8	—	—	—
December	—	15·4	—	—	16·6	23·3	10·0	30·2	4	6·3	25	56	—	—	—	7·6	—	—	—
Year	—	23·4	—	—	24·6	33·1	16·0	—	—	—	—	51	—	—	—	10·8	—	—	—

Summary of Meteorological Observations

$\varphi = 24^\circ\ 2'$ N. $\lambda = 32^\circ\ 53'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm.)			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	Mean
1917																			
January	752·98	13·6	23·3	18·8	16·6	24·8	10·8	31·6	18	7·7	1	44	27	24	34	5·1	5·9	3·8	4·9
February	52·02	14·7	25·0	20·2	17·9	26·4	11·8	32·0	9	8·5	4	42	27	23	32	5·2	6·3	4·0	5·2
March	50·61	18·7	31·0	25·1	22·4	32·6	14·8	43·0	20	9·6	1	35	21	18	26	5·5	7·1	4·2	5·6
April	48·65	24·9	35·9	30·4	27·7	37·1	19·7	44·3	25	16·4	8	28	27	20	24	6·6	12·0	6·6	8·4
May	48·77	26·1	35·6	30·5	28·3	37·1	20·9	45·8	23	14·9	2	31	35	29	30	8·2	15·3	9·7	11·1
June	46·58	29·4	39·4	34·0	31·8	40·9	24·3	46·8	17	21·7	14	36	42	34	35	11·1	22·2	13·3	15·5
July	44·73	31·1	40·0	34·7	32·9	41·6	25·7	46·3	23	23·5	4	32	37	26	30	10·9	20·5	11·3	14·2
August	45·53	31·2	39·4	34·4	32·7	41·1	25·8	42·8	8,10	24·3	1,2	36	39	33	34	12·2	20·6	13·2	15·3
September	47·58	27·8	37·2	32·0	30·0	38·7	23·1	42·4	2	20·4	18,27,30	36	31	25	30	10·0	16·0	8·9	11·6
October...	50·29	24·3	33·7	28·2	26·5	35·2	19·8	40·5	23	17·4	29,30	32	29	27	30	7·4	11·2	7·7	8·8
November	51·31	23·9	33·3	27·2	25·9	34·9	19·3	39·5	3	14·8	29	34	30	29	32	7·8	11·6	8·1	9·2
December	52·90	14·7	23·4	17·9	16·8	25·0	11·0	32·4	2	6·4	25	36	28	28	32	4·4	6·1	4·3	4·9
Year	749·33	23·4	33·1	27·8	25·8	34·6	18·9	—	—	—	—	35	31	26	31	7·9	12·9	7·9	9·6

at QENA for the year 1917.

H = 73·0 m. h_t = 1·7 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
										Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	8 h. Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·4	—	—	—	—	—	—	—	—	2·0	—	—	—	—	—	—	—	30	—	2·51
1·0	—	—	—	—	—	—	—	—	2·0	—	—	—	—	—	—	—	28	—	2·90
0·0	—	—	—	—	—	—	—	—	2·2	—	—	—	—	—	0·5	0·5	30	—	5·03
0·5	—	—	—	—	—	—	—	—	2·6	1	—	—	—	—	2·5	0·5	25	—	7·43
1·0	—	—	—	—	—	—	—	—	2·4	4	4	—	—	0·5	5·5	4	13	—	7·41
0·0	—	—	—	—	—	—	—	—	2·4	3	1	—	—	—	2	6	18	—	9·30
0·0	—	—	—	—	—	—	—	—	2·6	—	2	—	—	—	1·5	2·5	25	—	9·37
0·0	—	—	—	—	—	—	—	—	2·1	—	—	—	—	—	—	—	31	—	8·29
0·0	—	—	—	—	—	—	—	—	2·0	—	—	—	—	—	—	—	30	—	5·91
0·0	—	—	—	—	—	—	—	—	2·0	—	—	—	—	—	—	—	30	—	5·81
0·8	—	—	—	—	—	—	—	—	2·0	—	1	—	—	—	—	—	28	—	3·42
1·4	—	—	—	—	—	—	—	—	2·0	0·5	1·5	—	—	—	—	—	28	—	2·71
0·4	—	—	—	—	—	—	—	—	2·2	8·5	9·5	—	—	0·5	12	13·5	316	—	5·67

at ASWAN for the year 1917.

H = 99·6 m. h_t = 1·3 m. C_h = + 8·5 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
										Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Mean of day Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Wild
1·1	0·8	0·4	0·8	—	—	—	—	—	0·7	21	15	—	—	1	4	3	13	36	4·31
1·6	1·8	1·4	1·6	—	—	—	—	—	1·0	25	9	—	—	1	3	1	21	24	6·07
0·6	0·7	0·1	0·5	—	—	—	—	—	1·3	27·5	13	—	—	1	8	3·5	26	24	8·57
0·7	0·8	0·4	0·6	—	—	—	—	—	1·6	32	13	—	—	3	5·5	3·5	20	13	10·62
1·3	1·4	0·5	1·1	—	—	—	—	—	1·5	31	15	—	—	1	6·5	7	23·5	9	10·85
0·1	0·0	0·0	0·0	—	—	—	—	—	1·9	35	12	—	—	1	4·5	4	29·5	4	*12·37*
1·4	0·8	0·6	0·9	—	—	—	—	—	2·3	32	10	—	—	—	4	4	42	1	*14·45*
0·3	0·1	0·1	0·2	—	—	—	—	—	1·6	22	4	—	—	1	9	6·5	38·5	12	12·01
0·1	0·0	0·0	0·0	—	—	—	—	—	2·1	39	11	—	—	—	—	3	36	1	11·71
0·0	0·0	0·0	0·0	—	—	—	—	—	1·7	35	25	—	—	—	1	0·5	27·5	4	9·15
1·3	2·1	1·8	1·7	—	—	—	—	—	1·6	18	26	—	—	2	4	3	27	10	7·42
2·8	3·0	1·9	2·6	—	—	—	—	—	1·4	32·5	11	—	—	—	—	3	32·5	14	5·60
0·9	1·0	0·6	0·8	—	—	—	—	—	1·6	350	164	—	—	11	49·5	42	330·5	142	9·43

Snmmary of Meteorological Observations

φ = 21° 55′ N. λ = 31° 19′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	11 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	750·48	11·5	24·6	17·8	15·2	25·8	7·1	34·0	18	4·0	Several dates	51	22	38	44	5·2	5·0	5·7	5·3
February	50·00	13·0	25·8	19·8	16·7	27·0	8·2	31·5	9	3·5	5,21	43	17	29	36	4·7	4·1	5·0	4·6
March	48·14	17·4	31·2	24·1	21·4	32·6	12·7	42·0	29,30	5·9	1	36	12	22	29	5·3	3·8	5·0	4·7
April	46·29	23·4	35·5	28·8	26·3	37·0	17·6	44·0	27	12·0	6	31	12	21	26	6·6	5·5	6·2	6·1
May	46·84	25·0	35·5	29·7	27·2	37·0	18·4	46·5	23	13·0	3,4,5	30	16	23	26	7·4	7·3	7·4	7·4
June	45·13	27·9	37·1	32·4	29·5	39·4	20·6	44·5	17	17·0	14,15	30	19	23	26	8·3	9·2	8·2	8·6
July	43·67	28·8	37·9	32·9	30·2	39·1	21·4	42·0	24,25	17·0	4,6,12	28	15	22	25	8·3	7·4	8·3	8·0
August	43·79	28·6	39·0	33·6	30·6	40·7	21·1	43·5	5	18·0	3,7	28	13	21	24	8·2	7·0	8·1	7·8
September	45·96	25·8	35·1	29·1	27·4	36·2	19·7	43·0	2	14·0	27	35	21	30	32	8·4	8·9	8·9	8·7
October	48·13	22·5	33·1	26·1	24·4	34·0	16·1	40·0	15	10·5	28	40	22	30	35	8·0	8·0	7·4	7·8
November	48·31	21·2	33·5	25·4	23·7	34·7	14·6	39·0	3,5,12	9·5	29	41	24	33	37	7·8	9·4	8·0	8·4
December	50·73	12·3	25·6	17·2	14·9	24·5	6·5	34·0	17	—2·0	26	50	28	39	44	5·5	5·0	5·8	5·7
Year	747·29	21·4	32·7	26·4	24·0	34·0	15·3	—	—	—	—	37	18	28	32	7·0	6·8	7·0	6·9

Summary of Meteorological Observations

φ = 21° 6′ N. λ = 37° 8′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	23·1	26·1	21·7	21·9	26·7	16·7	29·5	17	12·7	5	54	52	66	60	11·3	12·8	12·8	12·3
February	—	23·2	26·6	21·8	21·9	27·5	16·0	29·9	10	11·2	28	56	52	68	62	11·7	13·3	13·2	12·7
March	—	25·1	28·7	23·4	23·7	30·0	17·5	34·6	27	13·8	15	58	51	76	67	13·6	14·8	16·2	14·9
April	—	29·1	31·3	26·1	26·8	33·1	20·8	37·0	20	16·0	16	52	51	74	63	15·5	17·5	18·6	17·2
May	—	30·4	32·5	27·3	27·6	34·4	20·4	38·9	15	15·2	4	43	49	65	54	13·9	17·7	17·5	16·4
June	—	34·2	—	—	30·2	38·0	22·3	42·0	8	18·8	13,15	27	—	—	—	10·7	—	—	—
July	—	34·9	—	—	30·6	37·3	24·0	43·5	15	22·0	6	39	—	—	—	16·0	—	—	—
August	—	36·3	—	—	32·8	40·5	25·2	44·8	26	2 ·8	7	32	—	—	—	14·2	—	—	—
September	—	34·3	—	—	31·5	38·6	24·4	44·6	5	20·9	28	39	—	—	—	15·6	—	—	—
October	—	29·5	—	—	27·3	33·9	20·7	39·5	1	17·8	10	54	—	—	—	16·5	—	—	—
November	—	28·7	—	—	26·4	31·6	21·3	33·1	9	19·1	22	66	—	—	—	19·5	—	—	—
December	—	24·8	—	—	23·0	28·2	17·9	31·3	3	13·0	25	61	—	—	—	14·3	—	—	—
Year	—	29·5	—	—	27·0	33·3	20·6	—	—	—	—	48	—	—	—	14·4	—	—	—

t WADI HALFA for the year 1917.

I = 128·3 m. h_t = 1·7 m. C_h = + 10·9 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0–10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·4	0·6	0·4	0·5	—	—	—	—	—	1·0	31·5	9·5	—	0·5	0·5	1	2	2	46	8·42
0·2	0·2	0·4	0·3	—	—	—	—	—	1·4	42	6·5	—	—	—	—	1	3·5	31	12·21
0·1	0·1	0·0	0·1	—	—	—	—	—	1·6	48·5	10	2	0·5	—	—	—	4	28	17·45
0·1	0·3	0·2	0·2	—	—	—	—	—	2·0	45	9·5	1·5	5·5	—	—	—	8·5	20	20·83
0·5	0·9	0·7	0·7	—	—	—	—	—	2·1	62·5	9	—	—	—	—	1·5	7	13	21·65
0·9	0·5	0·4	0·6	—	—	—	—	—	2·6	58·5	5	—	—	—	1	1·5	16	8	22·93
1·6	1·0	0·4	1·0	—	—	—	—	—	2·4	67·5	0·5	—	—	—	—	1	19	5	22·45
1·0	0·3	0·5	0·6	—	—	—	—	—	1·1	34·5	—	—	—	—	—	1	28·5	29	20·35
1·2	0·2	0·3	0·6	—	—	—	—	—	2·5	60·5	—	—	—	—	—	—	22·5	7	20·77
0·0	0·0	0·0	0·0	—	—	—	—	—	1·7	79·5	—	—	—	—	—	—	2·5	11	15.16
0·8	0·6	0·1	0·5	—	—	—	—	—	1·4	56·5	2·5	1·5	0·5	—	—	—	—	29	12·47
1·7	0·8	0·9	1·1	—	—	—	—	—	1·7	53	—	—	—	—	—	—	1	39	9·06
0·7	0·5	0·4	0·5	—	—	—	—	—	1·8	639·5	52·5	5	7	0·5	2	8	114·5	266	16·98

at DONGONAB for the year 1917.

H = 5·0 m. h_t = 1·6 m. h_r = 1·3 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
1·9	1·6	0·9	1·5	0·0	0·0	—	—	—	1·7	25	13	4·5	8	2·5	—	3·5	26·5	10	10·07
1·0	0·6	0·2	0·6	0·0	0·0	—	—	—	1·7	29·5	15·5	3	4·5	1	2·5	1·5	11·5	15	10·06
0·5	0·2	0·1	0·3	0·0	0·0	—	—	—	1·8	28	11	2	6	1·5	0·5	—	14	30	10·31
0·7	1·0	0·7	0·8	Drops	Drops	3,4	—	—	1·8	26·5	9·5	6·5	12·5	2·5	1	—	5·5	24	11·94
1·2	0·9	0·7	0·9	Drops	Drops	15	—	—	2·1	40	24·5	2	4·5	—	—	—	8	14	14·31
0·6	—	—	—	0·0	0·0	—	—	—	—	13·5	5	—	—	—	—	1	9·5	1	24·92
1·1	—	—	—	0·0	0·0	—	—	—	—	7·5	4·5	1·5	3·5	0·5	0·5	—	2	11	18·38
0·8	—	—	—	0·0	0·0	—	—	—	—	2·5	6	1·5	4	—	1·5	0·5	2	13	—
0·8	—	—	—	0·0	0·0	—	—	—	—	8	2	0·5	1·5	—	3·5	0·5	9	5	—
0·4	—	—	—	Drops	Drops	27	—	—	—	13·5	2·5	—	—	—	—	—	9	4	—
0·5	—	—	—	Drops	Drops	8	—	—	—	3	—	—	7	—	—	—	4	16	—
1·3	—	—	—	3·7	3·0	7	2	1		1·5	0·5	—	2	2·5	0·5	—	11	12	—
0·9	—	—	—	3·7	—	—	2	1	—	198·5	94	21·5	53·5	10·5	10	7	112	155	[illegible]

Summary of Meteorological Observations

$\varphi = 19° 37'$ N. $\lambda = 37° 13'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	759·75	23·3	26·0	23·1	22·9	27·2	19·1	30·0	18	15·0	5	75	75	80	78	15·9	18·6	17·0	17·2
February	59·41	23·4	26·1	23·5	23·0	27·5	19·2	29·5	11	16·0	15,27	65	65	70	68	14·0	16·4	15·3	15·2
March	58·06	25·0	27·3	24·1	23·9	29·2	19·3	32·0	27	14·5	12	66	59	73	70	15·5	15·8	16·5	15·9
April	56·27	29·0	30·8	26·9	27·4	32·5	22·7	35·5	20	18·5	18	69	70	83	76	20·5	23·0	21·9	21·8
May	55·94	30·7	33·2	27·7	28·4	34·4	22·9	39·0	16,28	19·0	5,8	70	75	81	76	23·2	27·1	22·6	24·3
June	53·45	33·9	35·0	30·0	31·0	37·9	25·1	43·5	28	21·5	14,15	46	53	64	55	17·6	21·9	20·0	19·8
July	51·29	36·0	36·3	32·5	33·0	39·3	27·0	46·5	24	19·9	5	31	37	48	40	13·6	15·9	17·2	15·6
August	52·39	36·3	37·9	32·4	33·6	40·4	27·7	45·0	26	25·0	1,3,5	29	34	53	41	13·1	16·0	19·1	16·1
September	53·81	34·2	36·1	30·8	31·9	38·5	26·6	45·0	4	22·0	26	42	42	60	51	16·7	18·7	19·7	18·4
October...	57·48	29·6	31·5	27·6	27·9	33·2	22·8	38·0	6	19·3	7	61	55	72	66	18·5	18·7	19·7	19·0
November	59·74	28·0	30·3	27·2	27·3	31·6	23·6	33·0	Several dates	21·5	22,29	68	58	71	70	19·1	18·6	18·9	18·9
December	59·35	24·6	27·0	23·9	24·0	28·5	20·4	32·5	18	16·3	23	62	61	69	66	14·3	16·2	15·3	15·3
Year	756·41	29·5	31·4	27·5	27·9	33·4	23·0	—	—	—	—	57	57	69	63	16·8	18·9	18·6	18·1

Summary of Meteorological Observations

$\varphi = 19° 8'$ N. $\lambda = 30° 28'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	21·2	—	—	15·0	17	—	—	—	—	—	—	—	—
May...	—	—	—	—	29·8	39·4	20·2	45·0	21	12·0	1	—	—	—	—	—	—	—	—
June	—	—	—	—	32·2	42·8	21·6	45·0	18,20,22	18·0	1,15	—	—	—	—	—	—	—	—
July	—	—	—	—	33·2	43·5	22·9	44·5	Several dates	22·0	Several dates	—	—	—	—	—	—	—	—
August	—	—	—	—	33·4	43·8	23·1	45·0	Several dates	22·0	Several dates	—	—	—	—	—	—	—	—
September	—	—	—	—	32·8	42·3	23·4	44·5	Several dates	22·0	Several dates	—	—	—	—	—	—	—	—
October	—	—	—	—	28·0	34·8	21·1	38·5	1,2,11	18·0	7,17	—	—	—	—	—	—	—	—
November	—	—	—	—	26·6	35·0	18·1	37·5	7	16·0	11,12,25	—	—	—	—	—	—	—	—
December	—	—	—	—	18·2	25·5	10·9	35·0	1,4	7·5	22	—	—	—	—	—	—	—	—
Year	—	—	—	—	—	—	20·3	—	—	—	—	—	—	—	—	—	—	—	—

at PORT SUDAN for the year 1917.

H = 5·9 m. h_t = 1·6 m. h_r = 1·1 m. C_h = + 0·5 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
2·7	2·7	2·0	2·5	Drops	Drops	10, 11, 12	—	—	2·9	41	14·5	21	2·5	—	—	5	6	3	7·60
2·9	2·7	1·8	2·5	3·5	1·5	10	3	3	2·8	40·5	7	17·5	0·5	—	—	1·5	6	11	7·39
2·1	1·5	0·4	1·3	0·0	0·0	—	—	—	2·7	52·5	7·5	10	1	1	—	—	1	20	7·92
2·4	2·3	1·5	2·1	6·5	6·5	4	1	1	2·6	65·5	—	0·5	0·5	—	—	—	4·5	19	9·37
2·6	3·5	1·9	2·7	0·0	0·0	—	—	—	2·9	48·5	7·5	10	1·5	0·5	—	—	4	21	12·18
2·1	3·2	2·3	2·5	0·0	0·0	—	—	—	2·6	13·5	15·5	33	2	—	—	5	3	18	16·10
2·9	2·2	1·9	2·3	0·0	0·0	—	—	—	2·4	16	19	29·5	12	1	1	6	1·5	7	15·34
2·8	2·9	2·2	2·6	0·0	0·0	—	—	—	2·2	2	11	36	7	1·5	4·5	8	1	22	15·77
2·5	2·5	1·8	2·3	0·0	0·0	—	—	—	1·9	7·5	16·5	23·5	7·5	2	3·5	3·5	2	24	12·90
1·6	0·9	0·7	1·1	15·0	15·0	28	1	1	1·9	26	29	18	1	—	—	—	8	11	8·48
3·9	3·1	2·4	3·1	0·3	0·2	8	2	—	2·4	15	19	36·5	8·5	—	1	—	1	9	7·22
2·9	1·9	1·7	2·2	Drops	Drops	Several dates	—	—	2·1	38	21·5	7	11	3	1	1	7·5	3	7·74
2·6	2·4	1·7	2·3	25·3	—	—	7	5	2·4	366	168	242·5	55	9	11	30	45·5	168	10·67

at DONGOLA for the year 1917.

H = 236·0 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7·11
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12·80
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11·66
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14·88
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15·79
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17·02
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16·45
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15·68
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15·08
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10·71
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9·07
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8·85
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	12·92

Summary of Meteorological Observations

φ = 19° 7′ N. λ = 37° 20′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	760·88	23·3	—	—	23·0	26·8	19·1	29·5	18	15·8	5	65	—	—	—	13·7	—	—	—
February	60·33	23·8	—	—	23·0	27·0	19·1	28·7	11	15·6	23	61	—	—	—	13·4	—	—	—
March	59·27	25·3	—	—	23·0	28·2	19·6	31·0	30,31	14·4	12	65	—	—	—	15·3	—	—	—
April	57·45	29·3	—	—	27·0	31·7	22·4	34·1	20	19·1	13	58	—	—	—	17·6	—	—	—
May	56·90	31·0	—	—	28·3	33·8	22·8	40·4	24	18·8	5	47	—	—	—	15·6	—	—	—
June	55·11	34·9	—	—	31·6	37·9	25·4	43·0	27,28	22·0	14	41	—	—	—	17·0	—	—	—
July	53·02	36·7	—	—	34·5	41·6	27·4	46·5	14,25	24·3	7	32	—	—	—	14·7	—	—	—
August	54·48	36·7	—	—	35·0	41·9	28·2	45·8	19	24·3	2,3	27	—	—	—	12·2	—	—	—
September	56·38	34·4	—	—	32·8	38·7	26·8	44·0	4	23·3	24	35	—	—	—	14·2	—	—	—
October	59·26	30·0	—	—	28·0	32·7	23·3	36·5	4	19·5	11	59	—	—	—	18·5	—	—	—
November	60·40	28·8	—	—	27·2	31·2	23·2	33·0	3,4,5	21·0	30	66	—	—	—	19·6	—	—	—
December	60·55	24·7	—	—	24·0	27·8	20·1	30·5	3	16·8	23	63	—	—	—	14·5	—	—	—
Year	757·84	29·9	—	—	28·2	33·3	23·1	—	—	—	—	52	—	—	—	15·5	—	—	—

Summary of Meteorological Observations

φ = 18° 56′ N. λ = 36° 51′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	—	—	—	—	24·3	—	29·5	19	—	—	—	—	—	—	—	—	—	—
February	—	—	—	—	19·4	24·5	14·2	27·6	11	9·3	16	—	—	—	—	—	—	—	—
March	—	—	—	—	21·1	27·6	14·6	32·9	10	7·6	12	—	—	—	—	—	—	—	—
April	—	—	—	—	24·6	31·2	18·0	35·5	4	14·4	18	—	—	—	—	—	—	—	—
May	—	—	—	—	26·0	33·2	18·7	37·4	28	14·3	6	—	—	—	—	—	—	—	—
June	—	—	—	—	29·4	37·6	21·1	40·2	10,11	17·5	15	—	—	—	—	—	—	—	—
July	—	—	—	—	32·0	39·0	25·1	42·0	16	19·2	17	—	—	—	—	—	—	—	—
August	—	—	—	—	30·8	38·1	23·4	40·7	8	19·8	6	—	—	—	—	—	—	—	—
September	—	—	—	—	29·4	36·6	22·1	39·8	16	18·5	11,30	—	—	—	—	—	—	—	—
October	—	—	—	—	*24·0*	31·3	*16·6*	35·1	1	*11·8*	*28*	—	—	—	—	—	—	—	—
November	—	—	—	—	—	27·4	—	28·8	4,7,11	—	—	—	—	—	—	—	—	—	—
December	—	—	—	—	—	24·9	—	31·5	19	—	—	—	—	—	—	—	—	—	—
Year	—	—	—	—	*26·3*	31·3	*19·3*	—	—	—	—	—	—	—	—	—	—	—	—

t SUAKIN for the year 1917.

H = 4·5 m. h_t = 1·5 m. h_r = 1·3 m. C_h = +0·4 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
3·8	—	—	—	10·3	5·5	10	3	2	2·3	2	0·5	1	0·5	—	—	12	13	2	4·56
4·6	—	—	—	12·0	10·5	8	3	2	2·4	1	—	—	—	—	—	11·5	14·5	1	4·85
3·3	—	—	—	0·0	0·0	—	—	—	2·0	4	0·5	—	—	—	—	9·5	15	2	4·70
2·3	—	—	—	2·8	2·0	4	3	1	1·7	9·5	2·5	—	—	—	—	2·5	14·5	1	5·43
1·9	—	—	—	0·0	0·0	—	—	—	1·8	8	4	1	—	—	—	4	11	3	7·53
0·9	—	—	—	0·0	0·0	—	—	—	1·7	9	0·5	1	—	2·5	1·5	2	10·5	3	10·56
1·7	—	—	—	0·0	0·0	—	—	—	2·1	9·5	3	1·5	5·5	7·5	1·5	0·5	2	—	12·34
1·3	—	—	—	0·0	0·0	—	—	—	2·0	3·5	3·5	4	4·5	8·5	4	3	—	—	13·13
1·2	—	—	—	0·0	0·0	—	—	—	1·5	8	1·5	3·5	2·5	1	2	4·5	7	—	9·63
3·3	—	—	—	53·0	53·0	28	1	1	1·9	3·5	—	—	—	—	—	7·5	19	1	5·37
4·0	—	—	—	0·0	0·0	—	—	—	1·6	7	7·5	1	—	—	—	2·5	8	4	4·58
4·9	—	—	—	38·1	18·2	9	5	3	2·5	3	4	—	—	—	0·5	10	12·5	1	4·76
2·8	—	—	—	116·2	—	—	15	9	2·0	68	27·5	13	13	19·5	9·5	69·5	127	18	7·29

at GEBEIT for the year 1917.

H = 800 m. h_t = 1·8 m. h_r = 1·5 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain		N	NE	E	SE	S	SW	W	NW	Calm	Piche
—	—	—	—	5·3	3·1	12	3	2	—	—	—	—	—	—	—	—	—	—	3·72
—	—	—	—	3·1	3·1	8	1	1	—	—	—	—	—	—	—	—	—	—	4·24
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	7·82
—	—	—	—	50·9	28·8	28	3	3	—	—	—	—	—	—	—	—	—	—	9·33
—	—	—	—	0·5	0·5	31	1	—	—	—	—	—	—	—	—	—	—	—	11·28
—	—	—	—	49·1	16·3	28	5	5	—	—	—	—	—	—	—	—	—	—	10·79
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	12·26
—	—	—	—	15·7	15·7	28	1	1	—	—	—	—	—	—	—	—	—	—	11·28
—	—	—	—	6·0	4·8	10	2	2	—	—	—	—	—	—	—	—	—	—	9·77
—	—	—	—	22·8	22·8	28	1	1	—	—	—	—	—	—	—	—	—	—	8·25
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	5·24
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	5·29
—	—	—	—	153·4	—	—	17	15	—	—	—	—	—	—	—	—	—	—	8·11

Summary of Meteorological Observations

$\varphi = 18^\circ\ 50'$ N. $\lambda = 37^\circ\ 6'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
June	—	*28·3*	—	—	*28 0*	*35·4*	*20·5*	*37·7*	*30*	*14·9*	*15*	*45*	—	—	—	*12·8*	—	—	—
July	—	28·0	—	—	29·2	35·4	23·1	39·1	13	19·0	3	52	—	—	—	14·5	—	—	—
August	—	26·6	—	—	28·2	31·8	21·5	37·1	6,10,18	18·8	12	53	—	—	—	13·5	—	—	—
September	—	26·9	—	—	27·0	33·6	20·4	36·1	3	16·9	25,29	50	—	—	—	13·2	—	—	—
October...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Summary of Meteorological Observation

$\varphi = 18^\circ\ 29'$ N. $\lambda = 31^\circ\ 50'$ E. of Greenwic

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	738·53	16·7	29·5	21·4	19·9	30·9	12·0	36·5	16	8·5	3,5	35	17	24	30	5·1	5·3	4·7	5·
February	37·72	18·9	31·5	23·4	21·9	33·0	13·8	36·7	26	9·5	14,15	25	11	20	22	4·1	3·7	4·3	4·
March	35·92	23·1	35·5	27·6	25·9	37·1	17·5	44·0	30	10·5	12	21	9	14	18	4·5	4·0	3·7	4·
April	34·43	27·8	38·6	31·0	29·6	40·4	21·2	44·5	27	16·0	18	16	7	10	13	4·5	3·8	3·5	3·
May	34·83	29·5	39·0	31·9	30·9	40·8	23·1	46 5	22	17·0	1,4,7	13	7	10	12	4·2	3·5	3·7	3·
June	33·61	32·0	40·6	35·2	33·4	42·3	25·9	46·5	17	19·0	15	23	13	14	18	7·9	6 7	5·8	6·
July	32·49	33·3	41·4	35·7	34·3	42 8	26·7	45·1	27	22·5	2	15	10	12	14	5·8	5·7	5·1	5·
August	32·94	32·4	41·5	34·9	33·9	43·0	26·7	46·1	6	23·5	9	29	14	21	25	10·2	7·9	8·5	8·
September	34·03	30·1	39·4	33·5	32·1	41·0	25·3	44·6	14	22·0	27	30	15	21	26	9·5	7·8	7·9	8·
October...	35·65	27·6	37·6	30·9	29·4	39·0	21·7	42·6	1	16·0	29	26	12	19	22	7·0	6·0	6·3	6·
November	36·13	26·7	36·4	28·3	27·9	37·6	20·2	40·6	5	17·5	22,30	31	15	26	28	8·0	6·9	7·4	7·
December	37·72	18·9	29·4	22·4	21·0	30 8	13·2	36·5	2, 3	8·0	26	30	18	27	28	5·0	5·7	5·5	5·
Year	735·33	26·4	36·7	29·7	28·4	38·2	20·6	—	—	—	—	24	12	18	21	6·3	5·6	5·5	5

ERKOWIT for the year 1917.

= 1093·5 m. h_1 = 1·4 m. h_r = 1·4 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1·8	—	—	—	0·0	0·0	—	—	—	2·4	—	—	—	—	—	—	—	—	—	14·09
2·9	—	—	—	0·0	0·0	—	—	—	2·5	—	—	—	—	—	—	—	—	—	17·29
3·6	—	—	—	0·0	0·0	—	—	—	1·5	—	—	—	—	—	—	—	—	—	13·93
3·1	—	—	—	7·1	7·1	1	1	1	1·1	1	1	1	3	1	3	10	—	9	12·04
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

t MEŞOWE for the year 1917.

l = 255·1 m. h_1 = 1·5 m. C_h = + 21·3 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·1	0·5	0·2	0·3	0·0	0·0	—	—	—	3·2	48·5	12·5	—	—	—	10	3·5	18·5	—	12·07
0·1	0·1	0·2	0·1	0·0	0·0	—	—	—	3·1	31·5	17·5	—	1	1	2	5	26	—	15·08
0·0	0·0	0·0	0·0	0·0	0·0	—	—	—	3·1	42	19	—	1	—	4	10·5	16·5	—	17·65
0·2	0·1	0·0	0·1	0·0	0·0	—	—	—	3·1	32	12	1	—	3	13	4	25	—	18·60
2·0	2·1	0·5	1·5	0·0	0·0	—	—	—	3·2	33·5	17	1	1	—	10	4	26·5	—	20·46
1·7	2·1	1·8	1·9	Drops	Drops	26	—	—	3·1	30	4	—	0·5	1·5	26	6	22	—	22·49
1·8	1·2	0·7	1·2	0·0	0·0	—	—	—	3·0	24	3	—	—	—	10	14·5	40·5	1	24·03
2·2	2·7	2·3	2·4	1·4	1·4	29	1	1	2·8	12	—	1	1	5	48	7	19	—	17·03
2·5	2·1	2·1	2·2	0·0	0·0	—	—	—	3·3	32	1·5	1	1	0·5	20	7·5	26·5	—	17·84
0·1	0·1	0·2	0·1	0·0	0·0	—	—	—	3·0	52	8	—	—	1	5	1	26	—	16·36
0·2	0·1	0·2	0·2	0·0	0·0	—	—	—	2·7	28	9·5	—	2	1	18	4·5	27	—	13·01
0·8	1·3	0·7	0·9	0·0	0·0	—	—	—	3·1	53·5	5	—	1	—	2	4	26·5	1	10·65
1·0	1·0	0·7	0·9	1·4	—	—	1	1	3·1	419	109	4	8·5	13	168	71·5	300	2	17·11

Summary of Meteorological Observations

φ = 18° 25′ N. λ = 37° 40′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	23·7	—	—	21·2	28·6	13·7	32·0	21	10·0	23	51	—	—	—	11·1	—	—	—
February	—	24·0	—	—	21·2	29·8	12·7	33·0	6, 8	8·0	21	59	—	—	—	13·0	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
May...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
June	—	33·7	—	—	34·0	42·8	25·2	45·5	15, 27, 28	22·0	7, 9	49	—	—	—	19·0	—	—	—
July	—	35·5	—	—	35·8	45·6	26·0	49·5	9	22·5	20	43	—	—	—	18·3	—	—	—
August	—	34·9	—	—	35·0	44·5	25·6	47·5	6	22·0	12	45	—	—	—	18·4	—	—	—
September	—	33·2	—	—	33·0	41·8	24·2	46·0	2	21·0	16	47	—	—	—	17·9	—	—	—
October	—	30·1	—	—	29·4	35·8	23·1	41·0	1	20·5	29	65	—	—	—	20·6	—	—	—
November	—	28·6	—	—	27·4	32·9	21·9	35·0	4, 6	19·0	28, 30	66	—	—	—	19·2	—	—	—
December	—	24·9	—	—	25·1	30·5	19·7	34·0	20	13·0	23	75	—	—	—	17·5	—	—	—
Year	—	*29·8*	—	—	*29·1*	*36·9*	*21·3*	—	—	—	—	*56*	—	—	—	*17·2*	—	—	—

Summary of Meteorological Observations

φ = 17° 40′ N. λ = 33° 58′ E. of Greenwich

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	728·90	17·6	29·1	21·1	20·0	30·3	12·0	35·5	18	8·0	2	38	14	28	33	5·9	4·5	5·3	5·
February	28·03	19·2	31·0	23·0	21·5	32·1	12·9	36·0	25, 26	7·0	15, 16, 17	34	12	25	30	5·9	4·4	5·2	5·
March	26·40	23·6	34·7	27·4	25·7	36·2	17·0	42·0	29	11·0	10, 12	26	12	18	22	5·6	4·8	4·7	5·
April	25·24	28·8	37·9	30·4	29·5	39·1	20·9	43·0	29	15·0	9	23	9	15	19	6·8	4·6	4·9	5·
May	25·61	30·3	38·5	32·3	30·9	39·8	22·6	43·0	20, 22	14·5	4	16	9	13	14	5·5	4·7	4·9	5·
June	24·73	32·0	39·9	33·8	32·6	41·1	24·8	44·5	6, 10	20·0	11	27	14	23	25	8·9	7·1	8·3	8·
July	23·79	32·6	40·8	35·0	33·8	41·9	26·7	44·5	17	23·5	1	25	10	16	20	8·9	5·7	6·5	7·
August	24·93	31·3	39·1	34·4	32·6	40·4	25·8	43·5	5, 6	22·0	31	38	16	23	30	12·3	7·8	9·2	9·
September	25·62	30·1	38·0	33·3	31·4	39·2	23·9	42·5	6, 13	20·0	28	34	18	30	32	10·7	8·5	10·8	10·
October	26·64	28·5	37·3	30·1	29·4	38·1	21·7	41·0	2	18·5	29	24	12	24	24	7·0	5·5	7·5	6·
November	27·59	25·8	35·8	27·5	27·0	36·6	18·8	38·5	Several dates	16·5	28, 30	36	13	27	32	8·8	5·7	7·3	7·
December	28·44	20·0	29·7	22·4	21·6	30·4	14·4	36·5	3, 4	8·0	26	38	18	28	33	6·9	5·5	5·8	6·
Year	726·33	26·6	36·0	29·2	28·0	37·1	20·1	—	—	—	—	30	13	22	26	7·8	5·7	6·7	6·

at TOKAR for the Year 1917.

$H = 18{\cdot}0$ m. $h_t = 1{\cdot}6$ m. $h_r = 1{\cdot}0$ m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·0	—	—	—	4·4	4·4	12	1	1	0·6	6	—	—	—	—	—	—	—	25	10·45
0·0	—	—	—	0·0	0·0	—	—	—	2·1	22	—	—	—	—	—	—	—	6	7·45
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2·0	—	—	—	27·5	27·5	29	1	1	4·7	17	—	—	—	12	—	—	—	1	24·30
5·1	—	—	—	0·0	0·0	—	—	—	7·2	2	—	—	—	29	—	—	—	—	30·42
3·7	—	—	—	Drops	Drops	29	—	—	6·7	—	—	—	—	31	—	—	—	—	27·15
0·0	—	—	—	0·0	0·0	—	—	—	4·0	6	—	—	—	22	—	—	—	2	21·95
—	—	—	—	31·0	28·0	29	2	2	3·1	29	—	—	—	2	—	—	—	—	11·27
—	—	—	—	0·0	0·0	—	—	—	4·4	3	—	27	—	—	—	—	—	—	13·33
—	—	—	—	21·5	15·0	28	2	2	2·9	18	—	13	—	—	—	—	—	—	11·58
—	—	—	—	*84·4*	—	—	*6*	*6*	*4·0*	*103*	—	*40*	—	*96*	—	—	—	*34*	*17·54*

at 'ATBARA for the Year 1917.

$H = 354{\cdot}5$ m. $h_t = 1{\cdot}6$ m. $h_r = 1{\cdot}1$ m. $C_h = +\ 29{\cdot}2$ mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·1	0·0	0·0	0·0	0·0	0·0	—	—	—	1·0	72·5	5·5	1	—	—	—	—	3	11	12·18
0·1	0·0	0·0	0·0	0·0	0·0	—	—	—	1·1	65	5·5	—	—	—	—	—	2·5	11	16·36
0·0	0·0	0·0	0·0	0·0	0·0	—	—	—	1·2	59·5	10	6·5	—	—	—	—	7	10	18·16
0·2	0·8	0·2	0·4	0·0	0·0	—	—	—	0·9	35	12·5	3·5	6·5	3·5	2	1	14	12	19·72
0·5	0·7	0·7	0·6	0·0	0·0	—	—	—	1·0	40	7	7	2	1	5	5	12	14	20·87
0·8	1·2	2·0	1·3	18·4	18·0	28	5	3	1·2	17	—	1	3	6·5	22·5	7	13	20	20·75
0·9	0·7	0·8	0·8	0·0	0·0	—	—	—	1·1	7	1	1	—	2	28	15	16	23	22·03
0·9	1·3	0·9	1·0	3·3	3·3	29	1	1	1·1	1·5	3·5	3	8·5	7·5	34·5	11·5	10	13	19·97
0·9	1·1	1·5	1·2	7·0	7·0	1	1	1	1·1	23·5	5·5	—	11	7·5	19	7	7·5	9	19·55
0·2	0·4	0·8	0·5	0·0	0·0	—	—	—	1·1	28	27	4	5·5	1·5	2	3	22	—	19·29
0·1	0·1	0·4	0·2	0·0	0·0	—	—	—	1·0	11·5	27·5	4	3	—	6	1	29	8	14·20
0·2	0·1	0·7	0·3	0·0	0·0	—	—	—	1·2	51	15·5	—	—	—	1	—	13·5	7	13·16
0·4	0·5	0·7	0·5	28·7	—	—	7	5	1·1	411·5	130·5	31	39·5	29·5	120	50·5	134·5	138	18·02

Summary of Meteorological Observations

$\varphi = 17^\circ\ 23'$ N. $\lambda = 33^\circ\ 55'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	11·5	29·8	22·4	18·2	30·5	9·0	36·5	18	3·5	3	63	31	39	51	6·4	9·7	7·8	8·0
February	—	13·0	30·8	23·5	19·5	31·8	10·7	34·5	Several dates	4·0	14	58	32	36	47	6·5	10·4	7·9	8·3
March	—	17·2	34·8	27·1	23·2	35·9	13·9	42·0	30	8·0	1, 13	52	33	36	44	7·6	13·6	9·5	10·2
April	—	19·6	38·5	30·0	26·2	39·4	16·7	43·0	28	11·0	7	52	36	36	44	8·8	18·5	11·4	12·9
May...	—	22·0	38·9	31·3	27·9	40·0	19·3	43·5	22, 23	8·5	5	52	40	36	44	10·3	21·1	12·3	14·6
June	—	25·7	40·2	33·4	30·2	41·2	21·5	45·0	10	17·5	15	64	40	44	54	15·6	22·4	16·8	18·3
July	—	26·9	40·7	35·7	3[illegible]·9	41·7	24·3	44·5	17	20·0	13	60	42	33	49	15·6	23·8	16·5	18·6
August	—	26·4	39·0	33·8	30·6	40·0	23·2	44·0	8	19·5	2	58	33	33	43	14·8	17·1	12·8	14·9
September	—	24·9	37·6	31·7	28·8	38·7	21·2	42·5	12	15·5	27	54	29	33	44	12·4	14·0	11·6	12·7
October	—	19·9	36·9	30·1	25·8	37·9	16·4	40·5	4	11·5	29	47	24	30	38	8·2	11·4	9·4	9·7
November	—	18·0	35·3	27·3	23·8	36·3	14·4	38·5	5	11·5	Several dates	64	25	34	49	9·9	10·4	9·2	9·8
December	—	14·3	29·9	23·6	19·5	30·7	10·3	36·0	3, 4	3·5	21, 26	54	30	34	44	6·6	9·5	7·5	7·9
Year	—	20·0	36·0	29·2	25·5	37·0	16·7	—	—	—	—	56	33	36	46	10·2	15·2	11·1	12·2

Summary of Meteorological Observations

$\varphi = 15^\circ\ 40'$ N. $\lambda = 32^\circ\ 34'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	20·1	—	—	21·9	30·9	12·9	36·0	19, 20	6·0	23	48	—	—	—	8·5	—	—	—
February	—	22·6	—	—	24·1	33·0	15·2	35·5	26, 27	9·0	20, 21, 24	43	—	—	—	8·8	—	—	—
March	—	25·3	—	—	27·0	36·5	17·5	42·0	Several dates	8·5	13	38	—	—	—	9·2	—	—	—
April	—	29·5	—	—	29·8	39·4	20·2	42·5	29	14·0	7	31	—	—	—	9·6	—	—	—
May	—	30·6	—	—	31·2	39·5	23·0	42·5	24	14·5	5	31	—	—	—	10·2	—	—	—
June	—	30·9	—	—	32·8	40·2	25·5	43·0	9, 10, 18	21·0	24	48	—	—	—	16·0	—	—	—
July	—	31·5	—	—	33·2	39·9	26·6	42·0	10, 19	21·5	5	41	—	—	—	14·0	—	—	—
August	—	29·7	—	—	31·7	37·6	25·8	41·5	15, 16, 23	21·0	25, 31	59	—	—	—	18·3	—	—	—
September	—	30·8	—	—	32·1	39·0	25·2	42·0	27	22·0	1, 5	64	—	—	—	21·2	—	—	—
October	—	31·1	—	—	31·2	38·6	23·9	41·0	1, 3, 5	19·0	31	52	—	—	—	17·6	—	—	—
November	—	27·3	—	—	27·7	36·2	19·2	38·5	4	12·0	29, 30	45	—	—	—	12·5	—	—	—
December	—	21·8	—	—	23·2	31·7	14·7	36·5	17	9·0	25	45	—	—	—	8·8	—	—	—
Year	—	27·6	—	—	28·8	36·9	20·8	—	—	—	—	45	—	—	—	12·9	—	—	—

at ZEIDAB for the year 1917.

H = 365 m. h_t = 1·0 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	6·93
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	8·96
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	11·05
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	13·48
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	14·00
—	—	—	—	22·0	12·0	26	4	4	—	—	—	—	—	—	—	—	—	—	13·63
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	16·18
—	—	—	—	22·0	22·0	28	1	1	—	—	—	—	—	—	—	—	—	—	12·42
—	—	—	—	*4·0*	*4·0*	*2*	*1*	*1*	—	—	—	—	—	—	—	—	—	—	*11·24*
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	10·50
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	7·67
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	7·42
—	—	—	—	48·0	—	—	6	6	—	—	—	—	—	—	—	—	—	—	11·12

at KHARTOUM (Research Farm) for the year 1917.

H = 390·0 m. h_t = 2·0 m. h_r = 0·8 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·2	—	—	—	0·0	0·0	—	—	—	2·1	2·5	28·5	—	—	—	—	—	—	—	12·93
0·2	—	—	—	0·0	0·0	—	—	—	2·4	1·5	26·5	—	—	—	—	—	—	—	15·44
0·3	—	—	—	0·0	0·0	—	—	—	2·3	1	26·5	1	1·5	—	—	—	—	1	18·91
0·9	—	—	—	0·0	0·0	—	—	—	2·2	2·5	17	0·5	1·5	1	2	—	4·5	1	20·75
1·4	—	—	—	Drops	Drops	20, 22, 25	—	—	2·4	—	17	1	1	2	7	—	2	1	22·31
2·8	—	—	—	36·4	29·7	29	2	2	3·8	1	2	—	2	1	21	—	2	1	19·69
2·2	—	—	—	Drops	Drops	1	—	—	2·8	1	2	—	—	—	21	1	4	2	*19·71*
2·9	—	—	—	21·7	9·8	25	3	3	3·1	—	—	—	1	—	25	0·5	2·5	2	15·99
3·8	—	—	—	10·2	10·2	3	1	1	2·8	5	—	3	—	4	8·5	9·5	—	—	*12·19*
0·7	—	—	—	0·0	0·0	—	—	—	2·0	12·5	5·5	2	4	1	—	1	1	4	18·01
0·0	—	—	—	0·0	0·0	—	—	—	2·0	—	2·2	1	5	—	—	—	—	2	15·12
0·1	—	—	—	0·0	0·0	—	—	—	2·5	3·5	26·5	—	—	—	1	—	—	—	13·85
1·3	—	—	—	68·3	—	—	6	6	2·5	30·5	173·5	8·5	16	9	85·5	12	16	14	17·08

Summary of Meteorological Observations

φ = 15° 37′ N. λ = 32° 33′ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm). 8 h.	14 h.	20 h.	Mean
1917																			
January	725·56	17·4	29·8	23·3	21·1	30·4	14·6	36·9	18	8·0	4	33	14	22	28	5·0	4·4	4·7	4·7
February	24·64	19·3	31·1	25·1	22·8	32·0	15·6	35·8	11	11·3	15	26	11	18	22	4·5	4·0	4·3	4·3
March	23·21	23·4	34·9	28·4	26·3	35·8	18·6	42·9	30	12·2	1	19	9	14	16	4·3	3·8	4·1	4·1
April	22·39	28·0	38·0	31·0	29·8	39·1	22·4	42·6	28	17·5	7	16	8	15	16	4·8	4·0	4·9	4·6
May	21·94	29·4	38·1	31·7	30·8	39·3	23·8	43·0	22	16·3	4	22	10	18	20	7·2	5·2	6·3	6·2
June	22·37	30·3	38·6	32·5	31·8	40·1	25·6	43·0	17	20·9	24	41	20	32	36	12·6	9·2	10·6	10·8
July	21·83	30·8	39·3	33·7	32·6	40·4	26·8	42·3	10, 17	20·9	1	41	16	25	33	13·1	8·2	9·7	10·3
August	22·45	28·8	36·4	31·6	30·6	38·1	25·4	42·0	6, 23	21·1	25	57	29	42	50	16·6	12·1	13·9	14·2
September	23·50	28·5	36·0	31·1	30·1	37·5	24·8	40·4	13	21·7	28	54	27	43	48	15·6	11·7	13·9	13·7
October...	23·61	28·0	36·8	30·8	29·7	37·8	23·1	40·0	4, 8	20·6	31	27	14	21	24	7·7	6·6	7·1	7·1
November	24·17	25·2	35·7	28·4	27·5	36·6	20·8	38·9	4	18·7	28	34	14	23	28	8·0	6·3	6·6	7·0
December	24·98	19·6	30·2	24·2	22·5	31·0	16·0	36·4	17	11·4	22	33	19	27	30	5·7	6·0	6·1	5·9
Year	723·47	25·7	35·4	29·3	28·0	36·5	21·4	—	—	—	—	34	16	25	29	8·8	6·8	7·7	7·7

Summary of Meteorological Observation

φ = 15° 28′ N. λ = 36° 24′ E. of Greenwic

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mea
1917																			
January	715·10	20·7	32·0	22·3	22·4	33·0	14·4	36·5	14, 15, 19	9·5	4	55	19	40	48	10·1	6·9	7·9	8·
February	14·20	22·7	33·4	25·2	24·6	34·7	17·1	38·5	26	10·5	15, 16	52	20	34	43	10·7	7·6	8·1	8·
March	13·12	26·2	36·7	28·4	27·5	37·7	18·6	42·5	22	10·5	13	38	12	22	30	9·6	5·2	6·5	7·
April	12·71	30·6	38·2	30·4	30·2	39·3	21·7	41·0	21	14·5	8	—	—	—	—	—	—	—	—
May	13·64	30·1	38·7	31·3	30·8	—	22·9	—	—	18·5	8	28	13	23	26	8·8	6·5	7·7	7·
June	13·88	28·6	36·4	31·4	30·0	38·0	23·8	41·0	9	20·0	23	44	26	38	41	12·7	11·5	12·1	12·
July	13·58	27·6	35·7	31·6	29·9	36·8	24·6	40·0	16	21·0	1, 31	55	28	38	46	15·1	12·2	13·0	13·
August	15·00	26·8	33·3	28·9	28·2	35·3	23·6	39·5	5	20·0	30	63	41	55	59	16·2	14·7	15·8	15·
September	15·36	26·0	32·5	28·0	27·2	34·9	22·5	38·0	28	20·0	10, 11, 22	67	47	62	64	16·7	16·3	17·1	16·
October	14·83	29·0	36·8	28·7	29·4	38·2	22·9	40·5	7	20·0	7	46	24	40	43	13·2	11·2	11·7	12·
November	15·19	29·2	36·8	28·6	29·1	38·1	21·7	40·0	12	17·0	20, 21	33	17	34	34	9·8	7·8	9·8	9·
December	15·85	23·6	33·6	25·8	25·0	34·2	17·1	38·0	1, 2, 17	13·0	26, 28	50	21	30	40	10·7	8·1	7·4	8·
Year	714·37	26·8	35·3	28·4	27·9	36·4	20·9	—	—	—	—	48	24	38	43	12·1	10·0	10·6	10·

at KHARTOUM (Gordon College) for the year 1917.

H = 390·0 m h_t = 1·8 m. h_r = 1·2 m. C_h = + 32·2 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·5	0·3	0·0	0·3	0·0	0·0	—	—	—	3·0	53	22	2	—	—	—	1	—	15	13·20
0·4	0·6	0·0	0·3	0·0	0·0	—	—	—	3·6	53	26·5	1	—	—	—	—	1·5	2	15·80
—	0·1	0·0	—	0·0	0·0	—	—	—	3·2	55	27·5	3	0·5	0·5	—	0·5	3	3	17·66
1·8	2·0	0·2	1·3	0·0	0·0	—	—	—	2·4	37	15·5	3·5	1	1·5	1·5	4·5	13·5	12	18·34
3·0	3·0	0·0	2·0	0·1	0·1	19	1	—	2·4	25·5	16·5	3	1·5	3·5	12	7·5	13·5	10	17·59
2·1	1·4	1·0	1·5	33·6	19·4	28	4	3	2·3	7	5	1	4	23	22·5	3	6·5	18	14·92
3·4	2·1	1·5	2·3	0·0	0·0	—	—	—	2·5	4·5	3	1	2·5	7·5	33·5	20·5	13·5	7	15·62
5·4	6·3	2·4	4·7	24·4	16·4	24	4	3	3·5	0·5	0·5	1	2	20	41·5	16	2·5	9	12·69
4·8	4·3	0·7	3·3	17·5	8·9	1	2	2	2·2	3·5	3·5	3	4	20·5	27	6·5	2	20	12·10
1·1	2·2	1·0	1·4	0·0	0·0	—	—	—	2·1	36	25·5	6	0·5	3·5	—	1·5	3	17	16·09
0·1	0·4	0·1	0·2	0·0	0·0	—	—	—	2·4	22	42·5	5·5	—	—	—	3·5	5·5	11	13·84
0·7	0·5	0·2	0·5	0·0	0·0	—	—	—	3·1	56·5	24·5	2	—	—	—	1	1	8	12·49
2·1	1·9	0·6	1·6	75·6	—	—	11	8	2·7	353·5	212·5	32	16	80	138	65·5	65·5	132	15·03

at KASSALA for the year 1917.

H = 507·8 m. h_t = 1·1 m. h_r = 1·0 m. C_h = + 41·5 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·0	0·0	0·0	0·0	0·0	0·0	—	—	—	1·4	50	8·5	2	—	—	—	1	31·5	—	8·36
0·3	0·0	0·0	0·1	0·0	0·0	—	—	—	1·5	43	11	1	—	—	0·5	5·5	23	—	10·36
0·0	0·0	0·0	0·0	0·0	0·0	—	—	—	1·5	30·5	23	10·5	—	—	0·5	3·5	25	—	13·11
0·6	1·6	0·6	0·9	4·0	4·0	28	1	1	1·3	32	6	5	1	12	7	15	12	—	14·36
0·7	1·0	0·8	0·8	8·0	3·0	23, 30	3	3	1·1	26	6	3	4	20	8	19	7	—	13·66
1·6	1·9	2·4	2·0	105·4	47·0	28	4	3	1·3	4	1	7	6	40	12	16	3	—	10·32
1·9	2·6	2·6	2·4	0·0	0·0	—	—	—	1·9	—	—	1	3·5	44·5	31	10	3	—	10·97
3·0	4·2	4·4	3·9	111·7	40·0	29	6	6	2·5	—	—	2	7	36	43	4	1	—	7·05
3·5	3·6	4·0	3·7	84·8	45·0	9	6	6	2·7	2	—	—	2	32	35	13	6	—	6·08
0·7	2·0	1·2	1·3	0·0	0·0	—	—	—	2·2	10	7	9	3	19·5	17·5	4	23	—	9·35
0·2	0·8	0·4	0·5	0·0	0·0	—	—	—	2·7	11	43	18	3	1	7	—	7	—	11·62
0·1	0·1	0·0	0·1	0·0	0·0	—	—	—	2·6	27	40	5	—	—	—	1	20	—	8·98
1·0	1·5	1·4	1·3	313·9	—	—	20	19	1·9	235·5	145·5	63·5	29·5	205	161·5	92	161·5	—	10·35

Summary of Meteorological Observations

$\varphi = 14° 29'$ N. $\lambda = 33° 23'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	21·2	—	—	23·6	33·3	13·8	38·2	16	7·7	3,5	27	—	—	—	5·1	—	—	—
February	—	21·2	—	—	24·8	34·7	15·0	39·5	26	9·2	15	36	—	—	—	6·7	—	—	—
March	—	22·5	—	—	25·6	36·0	15·1	43·6	31	8·7	13,20	43	—	—	—	8·7	—	—	—
April	—	27·8	—	—	—	37·8	—	48·9	1	—	—	46	—	—	—	12·8	—	—	—
May	—	33·4	—	—	—	41·3	—	43·0	Several dates	—	—	59	—	—	—	22·5	—	—	—
June	—	29·6	—	—	—	38·6	—	43·0	7	—	—	80	—	—	—	24·7	—	—	—
July	—	—	—	—	—	37·5	—	39·0	Several dates	—	—	—	—	—	—	—	—	—	—
August	—	—	—	—	—	36·5	—	39·0	Several dates	—	—	—	—	—	—	—	—	—	—
September	—	25·4	—	—	26·4	34·6	18·3	39·0	22,29	13·0	9	90	—	—	—	21·5	—	—	—
October...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	—	27·4	—	—	26·0	37·6	14·4	39·5	11	12·0	29	45	—	—	—	12·4	—	—	—
December	—	22·3	—	—	—	34·5	—	39·5	18	—	—	—	—	—	—	—	—	—	—
Year	—	25·6	—	—	—	36·6	—	—	—	—	—	—	—	—	—	—	—	—	—

Summary of Meteorological Observations

$\varphi = 14° 24'$ N. $\lambda = 33° 31'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	723·30	19·4	32·7	23·5	22·0	33·7	12·3	38·6	19	6·7	4	37	11	25	31	6·1	4·1	5·3	5·2
February	22·37	21·3	34·5	26·0	24·0	35·5	14·3	39·8	26	9·7	15	35	9	24	30	6·6	3·7	5·9	5·4
March	21·02	25·1	37·8	28·7	27·3	39·1	17·6	44·8	29	11·6	1	24	9	18	21	5·6	4·4	5·1	5·0
April	20·49	29·3	39·1	30·2	29·6	40·8	19·7	42·9	21	14·1	8,9	24	9	23	24	7·4	4·6	7·3	6·4
May	21·01	29·3	38·6	33·1	30·6	40·6	21·4	43·9	14	13·5	4	43	20	27	35	13·0	10·2	10·0	11·1
June	21·38	28·0	36·3	31·1	29·5	39·1	22·5	42·6	7,9	17·8	25	58	29	36	47	16·1	12·9	11·9	13·6
July	21·20	27·8	36·5	28·3	28·7	38·4	22·3	40·9	16	19·1	1	56	26	46	51	15·6	11·8	13·1	13·5
August	22·09	25·6	34·3	26·5	26·8	36·2	20·8	39·9	17	18·5	14	71	31	60	66	17·3	12·4	15·3	15·0
September	22·57	25·5	32·5	26·7	26·2	34·4	20·3	39·1	29	17·8	29	69	41	64	66	16·8	15·0	16·6	16·1
October...	22·01	28·2	37·0	28·3	28·5	38·7	20·6	40·5	7	17·5	13	38	17	40	39	10·7	8·1	11·5	10·1
November	22·33	26·7	36·8	27·2	27·2	38·6	18·3	40·5	3,4	13·0	4	31	12	29	30	7·9	5·6	7·6	7·0
December	23·00	22·1	32·7	24·1	23·6	34·0	15·7	39·5	19	11·0	27	34	13	25	30	6·6	5·1	5·6	5·8
Year	721·90	25·7	35·7	27·8	27·0	37·4	18·8	—	—	—	—	43	19	35	39	10·3	8·2	9·6	9·5

at TAYIBA for the year 1917.

H = 410 m. h_t = 1·4 m. h_r = 0·8 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	12·11
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	13·44
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	14·67
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	9·64
—	—	—	—	5·3	5·3	25	1	1	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	135·0	69·0	23	5	5	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	3·5	3·5	28	1	1	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	95·0	35·0	25	5	5	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	54·0	20·0	8	4	4	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	14·67
—	—	—	—	0·0	0·0	—	—	—	—	—	—	—	—	—	—	—	—	—	14·03
—	—	—	—	292·8	—	—	16	16	—	—	—	—	—	—	—	—	—	—	—

at WAD MEDANI for the year 1917.

H = 407·6 m. h_t = 1·8 m. h_r = 1·2 m. C_h = + 33·9 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·0	0·0	0·0	0·0	0·0	0·0	—	—	—	1·4	45	32	2	—	—	—	—	4	10	11·85
0·3	0·4	0·1	0·3	0·0	0·0	—	—	—	2·2	48	22·5	0·5	0·5	—	—	1	6·5	5	13·30
0·1	0·2	0·1	0·1	0·0	0·0	—	—	—	1·7	57·5	16·5	3	—	—	—	2	6	8	14·73
0·8	1·7	1·0	1·2	7·5	7·5	3	1	1	2·1	32·5	8	4	1	3	3·5	11·5	23·5	3	15·44
1·1	1·6	2·4	1·7	3·0	3·0	25	1	1	1·6	34·5	4·5	2	7	7	5	14·5	14·5	4	14·94
3·7	2·9	5·9	4·2	84·6	42·0	23	6	6	1·3	5·5	2·5	8	5·5	27·5	22	13·5	4·5	1	12·32
3·5	2·5	3·7	3·2	2·2	2·2	28	1	1	1·1	8·5	0·5	1·5	1·5	28	13	31	7	2	11·76
5·1	5·4	6·8	5·8	158·2	48·0	20	11	11	1·4	6	2·5	3·5	1·5	41·5	21	15	2	—	7·99
3·4	4·0	5·2	4·2	116·7	37·0	3	6	6	1·1	1	0·5	6	2	35·5	21·5	21·5	2	—	6·40
0·5	1·0	1·5	1·0	1·0	1·0	26	1	1	1·2	49·5	7·5	5	4·5	3·5	6·5	7	9·5	—	11·31
0·0	0·1	0·1	0·1	0·0	0·0	—	—	—	1·5	57·5	28·5	1	—	—	—	1·5	1·5	—	14·11
0·0	0·0	0·0	0·0	0·0	0·0	—	—	—	1·8	85	8	—	—	—	—	—	—	—	12·95
1·5	1·6	2·2	1·8	373·2	—	—	27	27	1·5	430·5	133·5	36·5	23·5	146	92·5	118·5	81	33	12·26

Summary of Meteorological Observations

$\varphi = 14° 0' N.$ $\lambda = 32° 20'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	726·57	19·6	—	23·3	21·4	33·3	12·3	38·7	19	6·6	23	24	—	20	22	4·1	—	4·3	4·2
February	25·6[illegible]	22·0	—	24·9	23·4	35·1	15·0	38·9	26	10·1	17	21	—	15	18	4·1	—	3·4	3·8
March	24·24	25·2	—	26·6	25·9	38·2	16·0	43·6	23	11·0	12	14	—	11	12	3·4	—	2·9	3·2
April	23·55	29·8	—	28·8	29·3	39·5	18·8	41·7	2	10·5	8	21	—	17	19	6·4	—	4·9	5·6
May	24·2[illegible]	29·7	—	28·6	29·2	—	20·4	—	—	10·6	5	27	—	23	25	8·2	—	6·6	7·4
June	24·2[illegible]	29·5	—	30·4	30·0	38·8	23·6	42·5	7	18·1	1	51	—	41	46	15·6	—	13·2	14·4
July	24·1[illegible]	28·7	—	30·4	29·6	38·8	23·6	42·1	28	20·3	2	59	—	41	50	17·2	—	13·1	15·2
August	24·9[illegible]	26·4	—	28·9	27·6	35·2	22·2	39·2	6	19·5	11	72	—	56	64	18·2	—	16·5	17·4
September	25·1[illegible]	26·6	—	28·5	27·6	34·2	21·8	39·4	25	19·5	29	69	—	62	66	17·7	—	17·9	17·8
October...	24·9[illegible]	28·7	—	29·7	29·2	38·3	21·0	40·6	25	15·7	31	44	—	43	44	12·7	—	13·5	13·1
November	25·33	26·8	—	28·2	27·5	38·3	19·8	40·1	4	15·5	28	31	—	27	29	8·1	—	7·7	7·9
December	25·9[illegible]	21·3	—	24·0	22·6	34·1	15·0	39·5	18	9·3	26	35	—	30	32	6·6	—	6·7	6·6
Year	724·9[illegible]	26·2	—	27·7	26·9	36·7	19·1	—	—	—	—	39	—	32	36	10·2	—	9·2	9·7

Summary of Meteorological Observations

$\varphi = 13° 11' N.$ $\lambda = 30° 14'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	710·49	17·3	30·6	22·4	2[illegible]·0	30·9	9·8	36·0	31	5·2	3	30	11	22	26	4·5	3·6	4·5	4·2
February	9·68	19·5	32·2	24·7	22·1	32·9	11·9	37·0	11	8·4	16	18	6	12	15	3·0	2·0	2·7	2·6
March	8·66	22·9	35·3	27·0	24·8	35·8	14·1	41·5	23,30	7·0	12	16	4	10	13	3·4	1·9	2·8	2·7
April	8·01	27·4	37·0	29·3	27·9	38·0	17·8	40·0	Several dates	11·5	8	17	7	11	14	4·7	3·2	3·6	3·8
May	8·76	27·6	36·1	29·5	28·1	37·1	19·2	40·0	14,15,16	12·4	4	26	11	20	23	7·3	5·0	5·9	6·1
June	8·68	27·9	36·1	29·3	28·7	37·1	21·4	40·0	8,9,10	18·7	28	50	21	39	44	13·4	8·7	11·3	11·1
July	8·87	26·6	35·2	28·8	27·9	36·0	21·1	39·0	16	15·8	29	62	28	50	56	15·9	11·6	14·3	13·9
August	9·49	25·0	31·9	27·3	26·0	32·9	19·7	36·0	5	14·5	19	74	43	63	68	17·4	14·8	16·7	16·3
September	9·75	25·0	29·5	29·3	25·8	32·5	19·3	36·0	9	16·[illegible]	16	74	54	55	64	17·2	16·4	16·6	16·7
October...	9·82	26·2	29·2	28·6	25·6	32·5	18·2	34·0	5,10,12	13·4	30	34	48	51	42	8·8	14·3	14·8	12·6
November	9·74	25·4	29·5	28·5	25·0	31·6	16·4	33·1	23	12·9	29	26	40	40	33	6·4	12·2	11·3	10·0
December	9·76	18·4	28·3	26·4	21·0	30·2	10·9	31·3	1	6·7	22	27	23	22	24	4·2	6·6	5·7	5·5
Year	709·31	24·1	32·6	27·6	25·2	34·0	16·6	—	—	—	—	38	25	33	35	8·8	8·4	9·2	8·8

at DUEIM for the year 1917.

H = 383·3 m. h_t = 1·6 m. h_r = 1·1 m. C_h = + 32·1 mm.

Clouds (0 - 10)				Rainfall (mm.)			Days with		Wind										Evaporation mm. per day
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·0	—	0·0	0·0	0·0	0·0	—	—	—	2·2	57·5	3·5	—	—	—	—	—	—	1	14·42
0·1	—	0·1	0·1	0·0	0·0	—	—	—	1·8	47·5	3	1	0·5	—	—	—	2	2	17·81
0·1	—	0·0	0·0	0·0	0·0	—	—	—	2·0	41	2·5	0·5	1	—	—	—	10	7	19·48
0·9	—	0·7	0·8	Drops	Drops	1	—	—	2·3	22·5	2	1	1·5	4·5	3·5	1·5	19·5	4	18·93
1·6	—	1·4	1·5	9·	6·0	20	2	2	2·4	13·5	2·5	3	8	10·5	1	2	12·5	9	16·73
2·5	—	3·1	2·8	27·1	9·9	23	5	4	3·0	—	1·5	3	8	32·5	5	1	1	8	13·12
3·0	—	1·6	2·3	30·7	15·7	25	3	2	2·7	1	1	1	2·5	36	14	2·5	—	4	13·24
4·8	—	4·9	4·8	183·0	64·0	29	10	10	3·0	—	—	2	15	39·5	5·5	—	—	—	8·54
3·3	—	2·4	2·8	47·8	22·4	1	4	4	2·1	0·5	1	3·5	10	29·5	11·5	1·5	2·5	—	6·69
0·5	—	1·6	1·0	0·0	0·0	—	—	—	1·5	25·5	4·5	5·5	7·5	7	3	3	5	1	11·86
0·0	—	0·4	0·2	Drops	Drops	1	—	—	1·6	44	8·5	4·5	1·5	—	1	—	0·5	—	14·50
0·0	—	0·0	0·0	0·0	0·0	—	—	—	2·2	54·5	7·5	—	—	—	—	—	—	—	13·45
1·4	—	1·4	1·4	298·4	—	—	24	22	2·2	307	37·5	25	55·5	159·5	44·5	11·5	53	36	14·06

at EL OBEID for the year 1917.

H = 568·9 m. h_t = 1·5 m. h_r = 1·2 m. C_h = + 47·5 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation mm. per day
									Force	Direction									
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·1	0·0	0·0	0·0	0·0	0·0	—	—	—	1·7	14	53·5	24	1·5	—	—	—	—	—	12·88
0·5	0·5	0·1	0·4	0·0	0·0	—	—	—	2·1	10·5	44	13·5	4	—	3	—	1	—	15·63
0·0	0·2	0·2	0·1	0·0	0·0	—	—	—	2·4	28·5	49·5	3·5	1	1	3	1	5·5	—	17·69
1·0	1·6	1·2	1·3	0·0	0·0	—	—	—	2·4	31	23·5	—	4	4	15	2	10·5	—	16·11
2·2	2·6	2·2	2·3	33·0	33·0	22	1	1	2·2	28	22	4·5	0·5	2	22	9	5	—	13·74
3·4	3·2	3·9	3·5	46·9	16·0	26,27	5	5	2·4	6	6·5	2	9·5	14	32·5	13	6·5	—	9·95
3·3	3·5	3·6	3·5	101·7	73·0	28	4	4	2·0	3·5	1	2	5·5	16·5	40	17	7·5	—	7·45
5·6	4·5	4·2	4·8	114·0	76·0	10	8	8	2·6	1	—	1	6·5	13	50·5	15	6	—	6·52
4·8	5·2	5·6	5·2	72·5	24·5	15	5	4	2·1	2	5	3	8·5	18·5	22	24	7	—	6·94
1·0	4·4	5·5	3·6	1·0	1·0	25	1	1	2·0	13·5	3	5	7	27	1	19	17·5	—	13·53
0·2	3·8	4·3	2·8	0·0	0·0	—	—	—	2·0	10·5	7	8	11·5	27·5	4	13	8·5	—	14·44
0·2	2·0	2·2	1·5	0·0	0·0	—	—	—	1·9	10	23·5	2	10	22	3	13	9·5	—	14·29
1·9	2·6	2·8	2·4	370·[illegible]	—	—	24	23	2·2	166·5	238·5	68·5	69·5	145·5	106	126	84·5	—	12·43

Summary of Meteorological Observations

$\varphi = 13° 9' N.$ $\lambda = 33° 57'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	20·4	—	—	24·6	34·6	14·6	38·8	19	9·5	4	49	—	—	—	8·7	—	—	—
February	—	22·3	—	—	26·6	36·2	16·9	40·6	26	13·8	16	61	—	—	—	12·1	—	—	—
March	—	25·1	—	—	29·0	39·2	18·9	43·6	21, 23	14·5	4, 13, 14	36	—	—	—	8·6	—	—	—
April	—	29·6	—	—	30·5	39·7	21·3	42·1	23	15·5	11	22	—	—	—	6·9	—	—	—
May	—	28·7	—	—	30·4	38·9	21·8	43·0	14	14·5	5	30	—	—	—	9·0	—	—	—
June	—	26·6	—	—	29·5	36·1	22·9	40·5	5, 8	19·5	27	61	—	—	—	15·8	—	—	—
July	—	26·5	—	—	29·5	36·2	22·8	39·0	Several dates	19·0	31	65	—	—	—	16·5	—	—	—
August...	—	24·7	—	—	27·4	33·4	21·4	37·0	4, 5, 10	19·0	16	76	—	—	—	17·5	—	—	—
September	—	24·7	—	—	26·5	32·6	20·4	35·5	8, 14	18·0	19, 27	77	—	—	—	17·6	—	—	—
October	—	26·6	—	—	28·4	36·8	19·9	39·0	25	17·4	30	58	—	—	—	15·0	—	—	—
November	—	25·4	—	—	28·5	38·2	18·8	39·0	Several dates	15·5	27, 29	44	—	—	—	10·3	—	—	—
December	—	21·3	—	—	25·6	34·9	16·2	38·5	18	12·0	22	37	—	—	—	6·9	—	—	—
Year	—	25·2	—	—	28·0	36·4	19·7	—	—	—	—	51	—	—	—	12·1	—	—	—

Summary of Meteorological Observations

$\varphi = 12° 48' N.$ $\lambda = 36° 10'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	695·75	21·8	34·6	25·0	24·0	35·8	14·7	38·7	20	10·0	4	35	14	25	30	6·8	5·6	5·9	6·1
February	94·87	23·7	35·8	27·6	26·0	36·9	17·0	41·5	26	13·1	1, 2	26	7	14	20	5·8	3·0	3·8	4·2
March	93·98	27·5	37·9	29·7	28·7	39·3	19·7	43·6	21	16·1	12, 14	31	15	19	25	8·6	7·6	6·0	7·4
April	94·43	29·8	36·8	29·9	29·4	38·5	21·2	41·2	21	16·3	15	33	20	37	35	10·0	9·2	11·5	10·2
May	95·12	28·5	35·2	27·4	27·8	36·7	20·3	42·0	13	17·2	7, 8	36	21	34	35	9·5	8·1	8·5	8·7
June	96·72	24·4	29·8	24·1	23·7	31·5	16·5	34·9	9	13·0	24	66	50	67	66	14·9	15·1	14·8	14·9
July	96·35	24·4	29·3	23·8	22·9	30·3	14·0	32·5	21	11·9	11	69	52	71	70	15·6	15·5	15·5	15·5
August...	96·62	23·5	28·3	22·3	21·9	29·6	13·5	32·3	4	11·9	21	75	56	82	78	16·2	15·7	16·3	16·1
September	96·69	23·4	28·1	21·5	21·5	29·7	12·9	32·4	24	11·1	27	75	57	82	78	15·9	15·7	15·4	15·7
October...	95·87	25·4	31·9	22·8	22·9	33·7	11·6	36·1	31	10·1	25, 26, 29	61	38	66	64	14·6	12·9	13·5	13·7
November	95·58	24·8	35·9	23·3	23·2	37·1	8·6	39·2	28	6·3	27	47	45	65	56	10·9	19·7	13·8	14·8
December	95·38	22·8	34·9	24·5	22·4	35·8	7·5	38·1	18	6·1	Several dates	40	36	49	44	8·2	15·1	11·2	11·5
Year	695·61	25·0	33·2	25·2	24·5	34·6	14·8	—	—	—	—	50	34	51	50	11·4	11·9	11·4	11·6

t SINGA for the year 1917.

= 436·3 m. h_t = 1·6 m. h_r = 1·0 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									8 h.	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·7	—	—	—	0·0	0·0	—	—	—	2·7	5	23	2	1	—	—	—	—	—	14·32
2·4	—	—	—	0·0	0·0	—	—	—	3·5	7	16	5	—	—	—	—	—	—	16·84
0·7	—	—	—	0·0	0·0	—	—	—	2·8	13	12	1	2	—	—	—	3	—	19·78
1·0	—	—	—	18·5	18·5	4	1	1	2·0	3	3	—	—	—	7	5	1	11	15·84
3·2	—	—	—	25·0	19·0	25	3	3	2·2	2	8	—	2	5	10	1	1	2	14·36
5·8	—	—	—	55·5	17·0	27	6	6	2·6	—	—	1	2	6	18	—	—	3	8·75
4·5	—	—	—	69·5	28·0	29	7	7	2·5	—	—	—	—	2	27	1	—	1	9·04
5·9	—	—	—	125·5	45·0	28	14	14	1·4	—	—	—	—	3	11	5	—	12	5·87
4·5	—	—	—	116·2	39·5	19	12	12	1·5	—	—	1	—	2	13	2	1	11	4·65
1·5	—	—	—	0·5	0·5	28	1	—	0·9	1	1	—	—	2	11	1	—	15	8·47
0·1	—	—	—	0·0	0·0	—	—	—	0·2	1	3	—	—	—	1	2	—	23	12·51
0·2	—	—	—	0·0	0·0	—	—	—	0·9	3	15	—	—	—	—	—	—	13	14·57
2·5	—	—	—	410·7	—	—	44	43	1·9	35	81	10	7	20	98	17	6	91	12·08

t GALLABAT for the year 1917.

= 762·5 m. h_t = 1·4 m. h_r 1·7 m. C_h = + 62·8 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									mm. per day
									Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥0·1 mm. of rain	≥1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
0·2	*0·1*	*0·0*	*0·1*	0·0	0·0	—	—	—	*1·2*	*5*	—	*2*	—	*3*	*18*	*15*	*12*	*32*	10·08
0·2	0·9	0·4	0·5	0·0	0·0	—	—	—	1·6	13·5	—	2	—	6	8	26	6·5	17	12·93
0·1	0·8	0·5	0·5	0·0	0·0	—	—	—	1·5	—	1	1	—	16	12	22	3	34	14·43
2·1	3·3	2·2	2·5	5·4	5·0	25	2	1	1·9	2	1	4	4	32	12	14	3	17	12·82
2·8	3·9	3·6	3·4	138·9	55·6	18	12	11	1·7	2	—	7	3	35	15	8	—	22	10·60
5·1	4·8	7·3	5·7	188·8	30·4	3	14	14	2·6	5	2	5	9·5	15	11	13·5	20	7	4·52
4·1	4·7	7·5	5·4	109·1	29·4	25	13	13	1·5	2	1	—	6	4	10	11	27	31	4·27
5·7	6·4	8·4	6·8	175·6	57·3	13	20	19	1·4	3·5	0·5	7	9	7	3	29	3	31	3·19
4·9	6·2	7·7	6·3	179·6	38·0	16	16	15	1·6	10·5	4	8	2	12	2	17	9·5	24	2·99
1·2	4·9	2·9	3·0	9·2	4·8	21	2	2	1·1	18·5	8	11	6·5	4·5	2	11	2·5	29	5·05
0·0	1·3	0·1	0·5	0·0	0·0	—	—	—	1·3	8	6·5	15	7	19·5	0·5	11	1·5	21	9·41
0·2	0·4	0·1	0·2	0·0	0·0	—	—	—	1·2	26	16	10·5	3	5·5	0·5	1	3·5	27	*9·71*
2·2	3·1	3·4	2·9	806·6	—	—	79	75	1·6	96	40	72·5	50	159·5	94	178·5	91·5	292	8·33

Summary of Meteorological Observations

$\varphi = 11° 51'$ N. $\lambda = 34° 23'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	718·36	18·2	—	26·2	22·2	35·8	13·5	38·0	Several dates	10·0	Several dates	58	—	51	54	9·1	—	13·0	11·0
February	17·51	20·0	—	28·0	24·0	38·0	15·5	40·0	Several dates	13·0	Several dates	56	—	45	50	9·4	—	12·1	10·8
March	16·57	24·1	—	30·2	27·2	40·3	17·1	45·0	23	13·0	28,30	27	—	21	24	6·2	—	6·8	6·5
April	16·84	27·9	—	29·1	28·5	—	20·4	—	—	15·0	10,11	46	—	42	44	13·0	—	12·5	12·8
May	17·90	26·0	—	25·6	27·3	35·3	20·3	42·0	12,14	15·0	Several dates	51	—	40	46	12·3	—	11·4	11·8
June	18·20	23·8	—	*26·3*	*25·6*	33·3	20·8	37·0	5,6	19·0	15	78	—	*63*	*73*	17·1	—	*17·0*	*17·6*
July	18·22	24·0	—	*25·4*	*24·7*	32·4	21·0	35·0	Several dates	19·0	7	80	—	*76*	*78*	17·6	—	*18·2*	*17·9*
August	18·62	23·3	—	24·8	24·0	31·7	20·7	35·0	Several dates	19·0	9,21	84	—	82	83	17·8	—	19·1	18·4
September	18·62	22·8	—	23·9	23·4	32·3	20·5	35·0	23,25,30	19·0	Several dates	87	—	87	87	18·0	—	19·2	18·6
October	18·16	23·4	—	24·1	23·8	34·7	19·4	37·0	15,17,25	18·0	Several dates	79	—	85	82	16·8	—	19·0	17·9
November	17·68	23·0	—	25·3	24·4	37·4	17·0	39·0	23	14·5	18,29	61	—	55	58	13·3	—	13·2	13·2
December	17·73	21·6	—	25·3	23·4	35·8	14·1	38·5	18	10·5	22	43	—	42	42	8·5	—	9·9	9·2
Year	717·87	23·2	—	26·4	24·8	35·2	18·4	—	—	—	—	62	—	58	60	13·3	—	14·3	13·8

Summary of Meteorological Observations

$\varphi = 11° 2'$ N. $\lambda = 29° 45'$ E. of Greenwich.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	—	22·9	—	—	25·6	35·2	16·1	39·5	18,19	13·0	5	19	—	—	—	4·0	—	—	—
February	—	25·4	—	—	28·0	36·9	19·2	39·5	26	11·5	8	17	—	—	—	3·9	—	—	—
March	—	26·6	—	—	29·2	38·3	20·2	43·0	22,23	14·0	10	15	—	—	—	3·7	—	—	—
April	—	*27·7*	—	—	*28·0*	37·1	*18·8*	40·0	21,22,2	*12·4*	*11*	*37*	—	—	—	*10·1*	—	—	—
May	—	27·9	—	—	27·6	36·1	19·0	40·0	8,9,10	10·1	20,28	36	—	—	—	9·9	—	—	—
June	—	27·1	—	—	27·1	32·4	21·8	35·1	7,8,9	19·0	6,13	68	—	—	—	18·0	—	—	—
July	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
August	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
September	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
October...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
November	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
December	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

ROSEIRES for the year 1917.

: 466·9 m. $h_t = 1·6$ m. $h_r = 1·0$ m. $C_h = + 39·0$ mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		Mean of day	Number of observations in which the wind-direction was recorded as									
h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
·4	—	0·4	0·4	0·0	0·0	—	—	—	3·0	19	2	—	—	3	6	11	21	—	15·00
·0	—	0·9	1·0	1·5	1·5	12	1	1	3·1	16	7	—	—	2	3	9	19	—	17·43
·4	—	0·5	0·4	Drops	Drops	31	—	—	3·2	12	—	—	1	3	5	19	22	—	18·69
·3	—	2·0	2·2	12·0	8·0	3	3	3	3·5	3	—	—	1	14	16	23	3	—	17·42
·4	—	3·3	4·4	89·0	43·0	22	7	5	3·4	3	—	1	—	25	12	14	7	—	14·90
·6	—	6·3	7·4	89·5	24·5	14	13	12	3·4	1	1	2	3	38	14	1	—	—	7·30
·0	—	7·9	7·4	140·0	29·5	3	12	11	3·4	—	—	—	9	30	19	4	—	—	6·26
·2	—	8·6	7·9	205·9	81·0	10	13	12	3·4	—	2	—	6	26	21	7	—	—	4·82
·7	—	8·1	7·9	216·6	46·0	26	17	17	3·2	2	1	2	12	25	11	6	1	—	4·92
·7	—	4·6	4·2	25·8	16·7	3	3	3	3·2	3	3	3	9	22	16	4	2	—	7·07
·3	—	0·2	0·2	0·0	0·0	—	—	—	1·0	13	7	1	1	6	3	5	1	23	12·62
·3	—	0·0	0·2	0·0	0·0	—	—	—	1·4	24	2	1	1	3	6	—	5	20	13·68
·7	—	3·6	3·6	780·3	—	—	69	64	2·9	96	25	10	43	197	132	103	81	43	11·68

KADUGLI for the year 1917.

= 503·0 m. $h_t = 2·0$ m. $h_r = 1·5$ m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		8 h.	Number of observations in which the wind-direction was recorded as									
h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
·0	—	—	—	0·0	0·0	—	—	—	3·8	—	13	8	4	—	1	—	5	—	15·70
·6	—	—	—	0·0	0·0	—	—	—	4·4	—	17	1	7	—	1	—	2	—	16·06
·6	—	—	—	1·9	1·9	31	1	1	4·3	1	13·5	5·5	5	0·5	2·5	—	3	—	18·80
·6	—	—	—	78·3	34·3	3	3	3	4·4	—	2·5	2·5	13	—	2	2·5	6·5	—	12·32
·0	—	—	—	88·3	30·4	26	7	7	4·6	5	—	7	4	—	0·5	9·5	5	—	10·86
·2	—	—	—	93·3	30·0	30	7	7	4·5	1	—	9	5	6	—	7	2	—	6·85
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Summary of Meteorological Observatio

$\varphi = 9° 35'$ N. $\lambda = 31° 37'$ E. of Greenwic

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	724·39	23·2	34·1	24·1	23·6	35·2	—	39·0	31	—	—	31	17	38	34	6·6	6·7	8·7	7·3
February	22·98	25·5	35·7	25·9	25·8	36·9	16·2	39·5	24,26	13·5	17	32	19	37	34	7·6	8·3	9·1	8·3
March	22·05	27·5	37·3	28·0	27·7	38·6	18·1	43·0	22	13·0	11	44	24	40	42	12·1	11·6	11·4	11·7
April	22·79	28·1	35·6	27·7	28·0	37·4	20·6	40·1	12	17·6	11	59	31	52	56	16·5	12·9	14·2	14·5
May	23·78	27·1	32·8	26·1	26·4	34·6	19·4	39·0	8,9	16·0	5	65	43	67	66	16·8	14·7	16·3	15·9
June	24·52	25·0	29·3	23·8	24·3	31·4	19·2	35·2	4,8	17·1	6,29	81	64	87	84	19·0	18·8	18·9	18·[illegible]
July	24·47	24·1	*28·5*	23·6	*24·0*	30·9	19·6	34·4	15	16·5	22	87	*67*	89	88	19·4	*18·7*	19·3	*19·[illegible]*
August	24·69	24·1	28·1	23·6	23·9	30·6	19·7	34·4	6	17·8	1	89	69	92	90	19·8	19·2	19·8	19·[illegible]
September	*24·68*	23·7	*28·9*	*23·3*	*24·2*	*30·7*	*21·1*	*33·4*	*23*	*19·1*	*16*	89	*65*	*93*	*91*	19·3	*19·0*	*19·7*	*19·[illegible]*
October	24·16	25·2	31·0	23·8	25·2	32·9	20·9	35·3	19	17·6	31	80	52	84	82	18·9	16·9	18·4	18·[illegible]
November	23·36	25·7	34·9	24·7	26·1	36·1	19·1	37·9	6	16·1	30	65	26	73	69	16·0	11·6	16·8	14·[illegible]
December	23·15	22·7	33·4	23·7	24·0	34·8	16·1	37·6	18	13·1	7	38	17	47	42	8·0	6·6	10·2	8·[illegible]
Year... ...	723·75	25·2	32·5	24·9	25·3	34·2	19·1	—	—	—	—	63	41	67	65	15·0	13·8	15·2	14·[illegible]

Summary of Meteorological Observatio

$\varphi = 9° 18'$ N. $\lambda = 31° 38'$ E. of Greenwi

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Me
1917																			
January	—	24·3	—	—	26·2	35·7	16·8	39·6	18	13·2	1	33	—	—	—	7·7	—	—	-
February	—	25·6	—	—	27·2	37·2	17·3	40·1	26	13·2	26	22	—	—	—	5·3	—	—	-
March	—	*27·7*	—	—	29·2	39·0	19·3	43·2	22,23	13·8	14	*29*	—	—	—	*8·0*	—	—	-
April	—	28·3	—	—	29·8	37·7	21·8	40·5	11,14,16	19·0	11	58	—	—	—	16·3	—	—	-
May	—	26·8	—	—	27·9	35·3	20·5	40·0	9	16·5	5	68	—	—	—	17·8	—	—	-
June	—	25·6	—	—	26·8	32·4	21·1	36·1	24	19·0	6,29	78	—	—	—	18·9	—	—	-
July	—	24·8	—	—	26·2	31·5	20·9	35·0	12	19·0	10	80	—	—	—	18·7	—	—	-
August	—	24·9	—	—	26·8	32·6	21·0	37·0	11	19·0	28	83	—	—	—	19·3	—	—	-
September	—	24·9	—	—	26·8	32·5	21·2	36·7	24	19·5	26	83	—	—	—	19·3	—	—	-
October	—	25·8	—	—	27·2	34·0	20·4	36·7	4	14·2	8	77	—	—	—	19·0	—	—	-
November	—	*27·8*	—	—	28·3	37·2	19·4	38·2	15,20	16·7	27	*61*	—	—	—	*17·0*	—	—	-
December	—	23·7	—	—	25·8	35·3	16·3	38·1	5,18	13·2	22	37	—	—	—	8·3	—	—	-
Year	—	25·8	—	—	27·4	35·0	19·7	—	—	—	—	59	—	—	—	14·6	—	—	-

MALAKAL for the year 1917.

= 393·6 m. h_t = 1·8 m. h_r = 0·8 m. C_h = + 33·1 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		Mean of day	Number of observations in which the wind-direction was recorded as									
h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
6	0·3	0·0	0·3	0·0	0·0	—	—	—	1·4	4·5	49	11·5	—	—	—	—	—	28	16·68
6	1·4	0·5	1·2	0·0	0·0	—	—	—	1·2	3·5	42·5	8	1	2	—	—	1	26	17·36
3	2·5	0·8	1·5	0·0	0·0	—	—	—	1·3	1·5	32	2	1·5	3	7	—	4	42	17·21
1	6·9	5·3	5·8	36·1	13·5	21	5	5	0·9	2	4·5	1	—	15	22	11	6·5	28	8·27
1	6·9	6·1	6·4	123·9	26·5	21	11	10	0·9	2	5·5	4·5	9	15	26	7	4	20	6·13
4	7·7	7·4	7·5	189·6	50·4	14	12	11	0·9	—	1	2·5	3	30·5	21	12·5	2·5	17	2·60
8	6·8	5·6	6·7	121·6	43·3	28	10	10	0·8	—	1	1	4·5	15	25	3·5	3	40	3·24
3	7·3	5·6	6·7	187·7	35·2	6	19	17	0·6	—	—	2	4	25	18	4	2	38	2·62
6	*5·5*	*6·1*	*6·4*	*292·4*	*62·5*	*9*	*12*	*11*	0·6	*5·5*	*1·5*	*1*	*6*	*13·5*	*11·5*	*13*	—	*30*	*2·61*
4	5·4	5·4	5·4	165·1	86·4	2	9	7	0·6	5	4·5	3	2	6·5	12·5	7	5·5	47	3·63
4	3·3	2·0	2·2	12·7	12·5	21	2	1	0·2	9·5	7	3	2	8·5	11·5	2	1·5	45	0·47
9	1·4	0·4	0·9	0·0	0·0	—	—	—	—	17	41	16·5	6	4·5	4·5	—	3·5	—	12·75
4	4·6	3·8	4·2	1127·1	—	—	80	72	0·9	50·5	189·5	56	39	138·5	159	60	33·5	361	8·30

DOLEIB HILL for the year 1917.

= 391·0 m. h_t = 1·5 m. h_r = 1·0 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		8 h.	Number of observations in which the wind-direction was recorded as									
h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	
0·6	—	—	—	0·0	0·0	—	—	—	4·7	11·5	18	0·5	—	—	—	—	—	1	—
1·3	—	—	—	0·0	0·0	—	—	—	4·6	11·5	14	0·5	—	—	1	—	—	1	—
0·8	—	—	—	1·0	1·0	26	1	1	3·7	7	8	—	3	4	2	1	4	—	—
1·9	—	—	—	20·5	11·5	26	4	3	1·2	1	1	—	2	11	7	1	1	6	—
3·2	—	—	—	84·7	32·0	14	16	10	0·7	1	1	2	3	9	5	—	—	10	—
4·0	—	—	—	166·7	39·8	5	17	12	0·8	—	1	—	—	11	7	—	—	11	—
5·7	—	—	—	94·5	30·4	10	13	9	1·0	1	—	1	4	12	2	1	1	9	—
4·7	—	—	—	142·1	29·5	27	17	11	1·0	—	—	—	2·5	16·5	3	—	—	9	—
3·8	—	—	—	99·2	28·0	25	13	12	2·6	—	2	2	7	5·5	7·5	4	2	—	—
2·7	—	—	—	206·0	70·6	10	11	10	2·4	3	3	6	—	4	6	3	4	2	—
0·6	—	—	—	35·6	15·6	10	4	4	1·8	14·5	5	1	—	—	1	0·5	4	3	—
0·6	—	—	—	0·0	0·0	—	—	—	4·4	14	16·5	—	—	—	—	—	0·5	—	—
2·5	—	—	—	850·3	—	—	96	72	2·4	64·5	69·5	13	21·5	73	41·5	10·5	16·5	52	—

Summary of Meteorological Observati

$\varphi = 9° 17'$ N. $\lambda = 24° 30'$ E. of Greenwi

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm.)			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	Me
1917																			
January	—	—	—	—	17·0	21·0	13·0	24·4	18	8·8	1,8	—	—	—	—	—	—	—	-
February	—	—	—	—	19·2	22·6	15·7	25·1	24	11·5	3	—	—	—	—	—	—	—	-
March	—	—	—	—	20·0	23·7	16·2	26·5	27	9·0	15	—	—	—	—	—	—	—	-
April	—	—	—	—	22·0	25·3	18·8	28·9	21	16·0	11	—	—	—	—	—	—	—	-
May	—	—	—	—	23·5	26·1	20·9	32·3	5	16·0	8	—	—	—	—	—	—	—	-
June	—	—	—	—	23·0	25·2	20·7	27·3	17	19·3	30	—	—	—	—	—	—	—	-
July	—	—	—	—	21·7	23·8	19·6	26·0	4	18·0	8,18,22	—	—	—	—	—	—	—	-
August...	—	—	—	—	21·7	23·5	19·9	25·5	5	18·0	25	—	—	—	—	—	—	—	-
September	—	—	—	—	21·7	23·7	19·7	28·5	5	18·5	26,27	—	—	—	—	—	—	—	-
October	—	—	—	—	22·4	25·9	18·8	28·0	15,30	16·0	16	—	—	—	—	—	—	—	-
November	—	—	—	—	21·6	26·1	17·0	28·5	Several dates	13·3	28	—	—	—	—	—	—	—	-
December	—	—	—	—	17·6	22·0	13·1	25·5	17	9·4	14	—	—	—	—	—	—	—	-
Year	—	—	—	—	21·0	24·1	17·8	—	—	—	—	—	—	—	—	—	—	—	-

Summary of Meteorological Observati

$\varphi = 8° 15'$ N. $\lambda = 34° 35'$ E. of Greenw

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade)										Relative Humidity (%)				Vapour Pressure (mm			
		8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean	8 h.	14 h.	20 h.	M
1917																			
January	—	24·7	—	—	26·5	35·1	17·9	37·7	20	13·8	31	64	—	—	—	14·7	—	—	
February	—	25·8	—	—	27·0	36·1	17·8	39·3	1	12·9	6	52	—	—	—	12·7	—	—	
March	—	26·9	—	—	28·6	38·9	18·4	41·8	23	12·5	13	45	—	—	—	11·8	—	—	
April	—	26·2	—	—	27·9	34·7	21·1	39·2	20	18·8	8,9	67	—	—	—	16·9	—	—	
May	—	24·9	—	—	26·7	32·6	20·8	37·1	11	17·8	25	79	—	—	—	18·4	—	—	
June	—	23·8	—	—	25·7	30·9	20·5	33·8	6	18·6	24	84	—	—	—	18·4	—	—	
July	—	23·1	—	—	25·1	30·0	20·2	33·5	17	18·3	8	86	—	—	—	17·9	—	—	
August...	—	23·3	—	—	25·0	30·1	20·0	32·6	15	18·3	13,28	84	—	—	—	17·8	—	—	
September	—	22·7	—	—	25·0	29·9	20·0	32·6	6,18	19·0	4	88	—	—	—	17·8	—	—	
October	—	23·7	—	—	25·5	32·2	18·8	35·3	26	17·3	24	80	—	—	—	17·4	—	—	
November	—	25·5	—	—	26·1	34·9	17·3	37·4	17	14·9	6,26	55	—	—	—	13·3	—	—	
December	—	24.4	—	—	26·7	36·0	17·4	37·6	19	13·5	21	57	—	—	—	12·8	—	—	
Year	—	24·6	—	—	26·3	33·4	19·2	—	—	—	—	70	—	—	—	15·8	—	—	

at KAFIA KINGI for the year 1917.

H = 596·0 m. h_t = 1·5 m. h_r = 1·3 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									8 h.	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	
—	—	—	—	0·0	0·0	—	—	—	1·3	6	7	6	—	—	—	—	3	9	—
—	—	—	—	8·6	8·6	13	1	1	1·8	2	6	2	3	—	3	—	5	6	—
—	—	—	—	5·5	5·5	28	1	1	3·0	3	12	3	—	4	6	—	—	3	—
—	—	—	—	67·2	36·0	2	5	5	2·7	6	2	—	—	5	7	6	2	2	—
—	—	—	—	123·5	66·9	17	5	4	2·1	4	2	—	—	10	3	7	1	4	—
—	—	—	—	116·1	44·2	27	9	9	2·7	—	—	—	—	19·5	10·5	—	—	—	—
—	—	—	—	183·0	40·5	4	11	10	1·8	—	—	—	—	9	13	—	—	9	—
—	—	—	—	405·8	70·8	24	17	16	1·3	—	—	—	1	9	8	—	—	13	—
—	—	—	—	221·6	35·3	5	17	16	1·5	—	—	3	3	6	7	2	—	9	—
—	—	—	—	35·5	20·0	3	3	3	1·0	4	1	—	—	—	4	3	3	16	—
—	—	—	—	26·0	24·0	13	2	2	1·8	8·5	4·5	5	—	1	2	2	1	6	—
—	—	—	—	0·0	0·0	—	—	—	3·0	10·5	9·5	6	—	—	—	2	—	3	-
—	—	—	—	1192·8	—	—	71	67	2·0	44	44	25	7	63·5	63·5	22	15	80	—

at GAMBELA for the year 1917.

H = 410·0 m. h_t = 1·4 m. h_r = 1·2 m.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
									Force	Direction									
									8 h.	Number of observations in which the wind-direction was recorded as									mm. per day
8 h.	14 h.	20 h.	Mean	Total mm.	Maximum 1 day Amount	Maximum 1 day Date	≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
2·0	—	—	—	35·[illegible]	22·9	11	5	5	1·9	0·5	1·5	4	13	3	—	—	1	8	6·57
2·6	—	—	—	6·[illegible]	3·4	24	2	2	1·8	—	—	3	14	4	—	—	—	7	7·83
1·2	—	—	—	22.2	17·5	31	2	2	1·6	—	—	3	15·5	1·5	1·5	1	0·5	8	10·55
5·8	—	—	—	61·2	25·2	22	5	4	1·3	—	—	3·5	11·5	3	3·5	0·5	—	8	6·13
6·4	—	—	—	136·4	51·2	24	16	15	1·4	—	1	3	13	1·5	5·5	0·5	1·5	5	3·92
8·0	—	—	—	353·[illegible]	80·2	16	15	13	1·4	—	—	1·5	14	4	2	2	0·5	6	3·01
7·8	—	—	—	256·[illegible]	54·0	30	20	17	1·1	—	1	3	14·5	0·5	1	—	—	11	2·82
7·6	—	—	—	272·5	114·7	25	19	18	0·8	—	—	2	14·5	0·5	—	—	—	14	2·82
8·1	—	—	—	480·[illegible]	103·0	29	20	19	0·7	—	—	—	12	—	0·5	0·5	1	16	2·58
5·0	—	—	—	170·5	47·4	12	12	11	1·3	—	—	1	19	—	1	—	—	10	3·47
0·8	—	—	—	17·[illegible]	13·7	22	2	2	1·7	—	—	—	26·5	0·5	—	—	—	3	7·07
3·0	—	—	—	Drops	Drops	Several dates	—	—	1·3	—	—	0·5	17·5	—	1	1	—	11	9·07
4·9	—	—	—	1912·[illegible]	—	—	118	108	1·4	0·5	3·5	24·5	185	18·5	16	5·5	4·5	107	5·49

Summary of Meteorological Observation

$\varphi = 7° 42'$ N. $\lambda = 28° 3'$ E. of Greenwich

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January	719·60	22·4	34·8	25·3	24·6	35·7	16·1	38·0	Several dates	12·5	8, 9	52	23	46	49	10·7	9·7	10·7	10·4
February	19·17	23·9	36·2	27·5	26·1	37·1	16·7	39·5	3	14·5	1, 8, 19	52	24	43	48	11·3	10·4	11·4	11·0
March	18·76	26·2	37·0	29·2	28·0	38·2	19·5	41·0	22, 24	14·0	13	38	18	32	35	10·1	8·6	9·6	9·4
April	19·27	27·3	35·1	28·4	28·4	36·4	23·0	39·0	11, 16	20·0	17, 22	63	32	54	58	16·6	13·2	14·8	14·9
May	19·76	25·8	32·0	26·7	26·5	34·5	21·5	38·5	8	19·5	13	72	46	65	68	17·4	15·8	16·6	16·6
June	20·16	24·6	30·6	25·4	25·4	32·2	21·2	34·5	Several dates	19·5	19, 27	78	55	76	77	17·7	17·6	18·2	17·8
July	20·14	23·6	30·2	25·1	24·9	31·6	20·7	34·0	12, 16	19·5	Several dates	80	56	77	78	17·3	17·6	18·2	17·7
August	19·97	23·4	29·2	25·0	24·5	30·9	20·5	33·5	9	18·5	28	81	61	78	80	17·3	18·2	18·5	18·0
September	19·95	23·4	29·8	24·6	24·3	31·0	19·3	34·5	24	18·5	Several dates	83	57	77	80	17·6	17·6	17·8	17·7
October	19·79	23·3	31·6	25·1	24·9	32·5	19·7	34·5	Several dates	18·0	18, 20, 31	82	51	75	78	17·5	17·5	17·6	17·5
November	18·58	23·8	35·1	27·3	26·4	36·0	19·3	38·0	16	17·0	25, 28	73	37	56	64	15·8	15·5	15·1	15·5
December	18·79	20·5	34·1	26·7	24·4	35·2	16·4	37·5	4	14·0	23, 24, 26	63	21	33	50	11·4	8·4	9·7	9·8
Year	719·50	24·0	33·0	26·4	25·7	34·3	19·5	—	—	—	—	68	40	60	64	15·1	14·2	14·8	14·7

Summary of Meteorological Observation

$\varphi = 5° 11'$ N. $\lambda = 31° 47'$ E. of Greenwich

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Relative Humidity (%) 8 h.	14 h.	20 h.	Mean	Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean
1917																			
January...	721·54	24·5	31·5	25·5	25·3	33·5	19·8	37·0	29	17·0	9	58	37	66	62	13·2	12·5	15·8	13·8
February	21·75	24·3	32·4	25·8	25·7	34·8	20·4	39·0	27	18·5	1, 7	67	36	68	68	14·9	13·0	16·5	14·8
March	20·40	25·7	35·5	26·8	27·1	37·6	20·3	41·0	27	16·5	13	52	26	57	54	12·7	11·0	14·8	12·8
April	20·37	24·5	34·8	26·6	26·3	38·0	21·4	39·5	Several dates	20·0	14, 19	81	36	64	72	18·3	14·5	16·3	16·4
May	20·63	25·1	36·6	25·9	27·4	37·9	21·8	39·0	2, 24, 25	20·0	28	79	30	69	74	18·8	13·8	16·9	16·5
June	21·23	24·1	32·2	24·6	25·5	*36·8*	21·2	*40·0*	*15, 16*	19·5	28, 29	84	47	78	81	18·6	15·6	17·7	17·3
July	20·74	23·3	29·9	24·3	24·6	—	20·8	—	—	19·0	5	85	58	82	84	18·0	17·9	18·3	18·1
August	20·89	23·0	28·6	24·0	24·0	—	20·4	—	—	18·5	23	87	61	84	86	18·1	17·5	18·5	18·0
September	21·25	23·5	28·9	24·3	24·3	—	20·5	—	—	19·5	Several dates	85	62	81	83	18·2	18·2	18·3	18·2
October	20·36	24·2	29·3	25·1	24·8	—	20·7	—	—	19·5	Several dates	81	59	78	80	18·1	17·4	18·5	18·0
November	19·14	27·3	34·6	25·9	26·7	36·2	19·1	37·0	Several dates	17·5	12, 25	52	28	63	58	13·8	11·4	15·5	13·6
December	18·92	25·4	33·7	25·7	26·1	35·1	19·6	37·5	6, 9, 19	16·0	2	58	30	57	58	14·0	11·3	13·9	13·1
Year	720·60	24·6	32·3	25·4	25·7	—	20·5	—	—	—	—	72	42	71	72	16·4	14·5	16·8	15·9

WAU for the year 1917.

= 440·0 m. h_t = 1·2 m. h_r = 1·3 m. C_h = + 36·7 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
3·2	3·1	1·8	2·7	0·0	0·0	—	—	—	1·9	20	27	35	7·5	2·5	0·5	0·5	—	—	10·67
3·3	3·3	2·4	3·0	0·0	0·0	—	—	—	2·4	3	25·5	35	10·5	8	2	—	—	—	11·67
2·3	2·7	2·2	2·4	3·5	3·5	29	1	1	1·9	13	17	27	5	15	6	5	4	1	12·56
3·6	5·8	5·5	5·0	37·9	12·4	22	7	5	1·9	4	5	18	10	26	19	6·5	1·5	—	8·35
5·4	6·1	6·9	6·1	98·1	16·5	11	13	13	1·8	1	—	9·5	28·5	33·5	12·5	3·5	4·5	—	5·74
5·4	6·1	6·1	5·9	212·4	64·0	30	15	15	2·5	4	6	6	13·5	30	17·5	6	7	—	3·78
6·1	6 5	4·5	5·7	80·2	25·0	15	10	10	2·2	0·5	3·5	8	13	35·5	23·5	7	2	—	3·40
6·8	7·2	5·4	6·5	261·5	95·3	27	19	19	2·0	3	2	9	16·5	33·5	17	6	6	—	2·87
6·6	5·7	6·3	6·2	253·7	54·4	15	14	13	1·8	14	1	8	4	28	18	10	7	—	2·61
6·5	6·5	5·4	6·1	160·0	46·4	19	11	10	2·2	5	1	14	7	36	18	8	4	—	3·11
3·6	6·0	1·5	3·7	0·0	0·0	—	—	—	1·7	5	1	14	13	37	7	12	1	—	7·09
2·6	2·8	0·5	2·0	0·0	0·0	—	—	—	1·8	25	7	18	7	21	5	7	3	—	9·21
4·6	5·2	4·0	4·6	1107·3	—	—	90	86	2·0	97·5	95	201·5	135·5	306	146	71·5	40	1	6·76

MONGALLA for the year 1917.

= 439·0 m. h_t = 1·3 m. h_r = 1·0 m. C_h = + 36·6 mm.

Clouds (0—10)				Rainfall (mm.)			Days with		Wind										Evaporation
				Total	Maximum 1 day		≥0·1 mm.	≥1·0 mm.	Force	Direction									mm. per day
							of rain		Mean of day	Number of observations in which the wind-direction was recorded as									
8 h.	14 h.	20 h.	Mean	mm.	Amount	Date			Scale 0-10	N	NE	E	SE	S	SW	W	NW	Calm	Piche
3·1	2·7	1·6	2·5	0·2	0·2	8	1	—	—	15	2	—	—	—	—	1	2	73	8·82
4·8	2·9	1·8	3·2	68·0	31·0	11	7	7	—	10	—	2	—	3	—	8	12	49	6·47
3·3	3·2	2·4	3·0	28·3	19·0	31	3	3	—	25·5	—	—	—	4	1	9	32·5	21	8·50
7·4	5·7	4·9	6·0	173·9	59·0	13	12	12	—	23·5	1	—	—	16·5	7·5	19	15·5	7	3·55
6·7	5·7	4·2	5·5	63·6	33·5	27	8	7	—	27·5	—	—	0·5	18	1·5	16·5	14	15	3·22
7·5	7·1	5·5	6·7	109·8	46·4	27	11	10	0·4	10	1	—	1	6	3	7	5	57	2·53
8·4	6·3	6·7	7·1	94·4	35·5	29	15	9	0·1	1	—	—	—	1·5	2·5	1	6	81	2·47
7·9	7·1	7·3	7·4	137·8	45·7	4	16	12	0·2	1·5	2	0·5	—	1	3	1	4	80	2·50
7·4	7·0	7·1	7·2	218·4	48·0	18	15	12	0·1	0·5	—	1	1	—	2	4	3·5	78	2·44
7·3	7·0	6·7	7·0	57·2	23·5	6	11	7	0·1	2	1	1·5	0·5	1	—	2	4	81	3·13
4·8	5·6	5·0	5·1	0·0	0·0	—	—	—	0·2	1	6	6	—	—	—	—	3	74	—
4·0	4·7	3·8	4·2	0·0	0·0	—	—	—	0·3	5·5	5	4	—	—	—	1	9·5	68	8·65
6·0	5·4	4·8	5·4	951·0	—	—	99	79	—	123	18	15	3	51	20·5	69·5	111	684	4·75

Summary of Meteorological Observations at HARRAR for the year 1917.

$\varphi = 9° 42' N.$ $\lambda = 42° 30' E.$ of Greenwich. $H = 1856·0$ m.

Month	Mean Standard Pressure (mm.)	Temperature (Centigrade) 8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	Rainfall (mm.) Total mm.	Maximum 1 day Amount	Date	Days with ≥ 0·1 mm. of rain	≥ 1·0 mm. of rain	Wind Direction: Number of observations in which the wind-direction was recorded as N	NE	E	SE	S	SW	W	NW	Calm
1917																									
January	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
March	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
April	—	—	—	—	22·7	31·2	14·2	—	—	—	—	166·1	37·0	24	15	15	—	26	—	2	—	—	—	—	—
May...	—	—	—	—	21·2	27·2	15·1	—	—	—	—	126·2	51·0	30	11	11	5	23	—	3	—	—	—	—	—
June	—	—	—	—	21·4	29·1	13·6	—	—	—	—	40·7	22·0	3	6	5	2	25	—	2	—	—	—	1	—
July...	—	—	—	—	18·9	24·1	13·7	—	—	—	—	94·9	40·0	18	12	11	—	—	—	22	8	1	—	—	—
August	—	—	—	—	18·4	23·2	13·7	—	—	—	—	205·4	50·0	23	22	16	—	—	—	—	9	18	3	1	—
September	—	—	—	—	19·3	24·3	14·3	27·0	8,10,11	13·0	20,24,26	91·4	14·0	25	19	19	—	—	—	—	1	19	10	—	—
October	—	—	—	—	18·4	24·4	12·5	26·0	Several dates	10·0	23,25,29	7·5	3·0	4	4	4	—	17	1	—	2	7	4	—	—
November	—	—	—	—	16·2	22·0	10·4	24·0	6,30	8·0	16	0·0	0·0	—	—	—	—	19	—	—	—	—	—	8	3
December	—	—	—	—	19·2	26·1	12·4	28·0	Several dates	10·0	1,2,3	12·3	6·3	25	2	2	—	—	1	—	—	—	2	6	22
Year	—	—	—	—	*19·5*	*25·7*	*13·3*	—	—	—	—	*744·5*	—	—	*91*	*83*	*7*	*112*	*2*	*29*	*20*	*45*	*19*	*16*	*25*

YEARLY SUMMARY.

Yearly Summary of Meteorologica

Nos.	Name	Altitude	Latitude		Longitude		Standard Pressure (mm.)	Temperature (Centigrade)											Relative Humidity (%)			
							Mean	8 h.	14 h.	20 h.	Mean	Mean Maximum	Mean Minimum	Absolute Maximum	Date	Absolute Minimum	Date	8 h.	14 h.	20 h.	Mean
		m.	°	′	°	′															
1	Candia	27·1	35	20	25	8	758·56	18·9	—	19·0	19·0	22·0	15·6	31·9	August 5	3·5	December 9	62	—	66	6
2	Kyrenia †	13·7	35	21	33	19	59·02	22·4 9h	—	20.0 21h	21·2	25·6	14·2	40·0	July 18, Aug. 15	3·3	Jan. 24, Dec. 12	62 9h	—	64 21h	6
3	Nicosia Hospital †... ...	152·1	35	11	33	22	—	20·5 9h	—	17·4 21h	18·9	27·2	12·2	43·3	August 18	— 0·6	December 15	59 9h	—	73 21h	6
4	„ Observatory † *	159·1	35	9	33	22	59·09	18·9	24·4 15h	—	19·2	25·4	12·6	40·6	July 23, 24, 25	*1·1*	*Dec. 9, 10, 12*	67	56 15h	—	—
5	Famagusta †	22·8	35	7	33	57	59·04	21·0 9h	—	19·0 21h	20·0	26·0	14·6	40·8	August 18 August 17	0 6	January 7	66 9h	—	74 21h	7
6	Acheritou † *	25·5	35	2	33	53	58·53	19·3	24·4 15h	—	19·4	25·4	15·3	38·9	August 17	— *0·6*	*December 9*	71	57 15h	—	—
7	Larnaca †	10·7	34	55	33	37	59·14	22·2 9h	—	18·5 21h	20·3	26·2	15·2	37·8	July 18	1·1	December 12	61 9h	—	72 21h	6
8	Papho	74·1	34	40	32	25	—	20·4 9h	—	17·8 21h	19·1	23·2	12·8	32·8	September 2	3·9	Dec. 11, 13, 16	64 9h	—	72 21h	68
9	Limassol P.W.D. † *	21·9	34	41	33	3	58·99	20·2	24·3 15h	—	19·2	25·0	12·4	38·9	August 17	1·1	December 9	71	64 15h	—	—
10	Limassol Hospital † ...	7·9	34	40	33	1	59·02	19·2 9h	—	18·1 21h	18·6	25·0	12·8	36·1	July 24	1·7	December 10	70 9h	—	75 21h	72
11	Damietta *	2·2	31	25	31	49	—	—	—	—	20·3	23·5	17·2	34·1	April 24	8·0	February 20	—	—	—	—
12	Port Said	3·5	31	16	32	19	60·14	20·5	—	20·7	20·6	25·2	17·3	38·4	April 24	2·7	March 12	75	—	76	76
13	Alexandria (Kom el Nadûra)	32·0	31	12	29	53	58·03	20·1	25·4	20·0	20·2	25·1	17·1	40·0	June 16	7·7	January 29	70	59	72	71
14	Sakha	6·0	31	7	30	57	—	19·0	26·0	17·7	18·8	26·8	12·7	41·6	June 16	4·1	February 18	76	52	76	76
15	Mansûra*	7·0	31	3	31	23	—	18·4	24·2	—	19·8	27·3	12·2	41·4	June 28	1·8	February 20	75	56	—	—
16	Qurashiya	7·6	30	51	31	7	60·13	19·0	26·5	18·5	19·1	27·3	12·3	42·1	June 16	2·3	January 8	80	52	79	80
17	Zagazig	11·2	30	35	31	30	59·41	17·4	26·2	19·0	18·8	27·4	12·7	40·6	June 16	1·7	January 8	78	43	69	73
18	Benha *	13·6	30	28	31	11	—	18·8	26·7	—	20·4	27·7	13·2	42·3	June 16	1·7	January 8	78	42	—	—
19	Heliopolis	41·0	30	6	31	19	—	18·9	27·2	22·1	20·8	26·6	15·1	44·0	April 23	3·7	December 12	73	38	55	64
20	ʿAbbasîya	29·9	30	5	31	17	57·55	17·9	26·4	21·2	20·2	27·5	15·4	42·1	June 16	4·0	December 11	77	40	60	69
21	Cairo (Ezbekiya)* ...	22·0	30	3	31	15	—	18·7	—	—	21·6	28·3	14·9	42·5	April 25	4·3	December 11	74	—	—	—
22	Giza...	27·8	30	2	31	13	57·85	18·2	27·0	19·9	19·6	27·8	13·3	42·8	Apr. 25, June 16	1·8	January 7	77	39	65	71
23	Suez	3·4	29	56	32	33	59·97	20·3	27·7	25·9 17h	22·6	29·3	15·8	43·2	June 16	5·0	January 8 *December 15, 16*	66	33	38 17h	52
24	Helwân	115·6	29	52	31	20	49·87	18·4	26·7	22·4	20·8	28·2	15·6	43·8	April 25	4·7	December 9	66	30	45	55
25	Qasr el Gebali	7·6	29	20	30	38	59·27	18·9	28·5	21·3	20·7	29·0	13·9	43·0	June 16	2·7	January 25	70	35	58	64
26	Beni Suef	28·4	29	4	31	6	—	19·6	—	—	21·2	29·5	12·9	44·0	June 16	0·8	December 12	71	—	—	—
27	Tôr	1·9	28	14	33	37	57·86	20·5	25·6	24·2	21·8	27·6	17·1	39·0	August 3, 4, 10	6·0	Jan. 24, 25, Dec. 27	59	52	49	54
28	Asyût	55·4	27	11	31	13	54·81	19·4	27·6	23·1	21·5	28·5	15·9	42·6	June 17	4·5	December 12	62	30	49	53
29	Qena *	73·0	26	10	32	43	—	23·4	—	—	24·6	33·1	16·0	45·6	July 24	4·3	January 4, 26	51	—	—	—
30	Aswân	99·6	24	2	32	53	49·33	23·4	33·1	27·8	25·8	34·6	18·9	46·8	June 17	6·4	December 25	35	31	26	31
31	Wadi Halfa	128·3	21	55	31	19	47·29	21·4	32·7	26·4	24·0	34·0	15·3	46·5	May 23	— 2·0	December 26	37	18	28	31
32	Dongonab	5·0	21	6	37	8	—	29·5	—	—	27·0	35·3	20·6	44·8	August 26	11·2	February 23	48	—	—	—
33	Port Sudan	5·5	19	37	37	13	56·41	29·5	31·4	27·5	27·9	33·4	23·0	46·3	July 24	14·5	March 12	57	57	69	63
34	Suakin *	4·5	19	7	37	20	57·84	29·9	—	—	28·2	33·5	23·1	46·5	July 14, 25	14·4	March 12	52	—	—	—
35	Merowe	255·1	18	29	31	50	35·33	26·4	36·7	29·7	28·4	38·2	20·0	46·5	May 22, June 17	8·0	December 26	24	12	18	21
36	Tokar *	18·0	18	25	37	40	—	*29·8*	—	—	*29·1*	*38·9*	*21·3*	*41·5*	*July 9*	*8·0*	*February 21*	*56*	—	—	—
37	ʿAtbara	354·5	17	40	33	58	26·33	26·6	36·0	29·2	28·0	37·1	20·1	44·5	June 6, 10 July 17	7·0	Feb. 15, 16, 17	30	13	22	26
38	Zeidab	365	17	23	33	55	—	20·0	36·0	29·2	25·5	37·0	16·7	43·0	June 10	3·5	Jan. 3, Dec. 21, 26	56	33	36	46
39	Khartoum (Research Farm)*	390·0	15	40	32	34	—	27·6	—	—	28·8	36·0	20·8	43·0	June 9, 10, 18	6·0	January 23	45	—	—	—
40	„ (Gordon College)...	390·0	15	37	32	33	23·47	25·7	35·4	29·3	28·0	36·5	21·4	43·0	May 22, June 17	8·0	January 4	34	16	25	29
41	Kassala	507·8	15	28	36	24	14·37	26·8	35·3	28·4	27·9	36·4	20·9	42·5	March 22	9·5	January 4	48	24	38	43
42	Tayiba	410	14	29	33	23	—	*25·6*	—	—	—	36·6	—	43·9	April 1	—	—	—	—	—	—
43	Wad Medani	407·6	14	24	33	31	21·90	25·7	35·7	27·8	27·0	37·4	18·8	44·8	March 29	6·7	January 4	43	19	35	39
44	Dueim	383·3	14	00	32	20	24·90	26·2	—	27·7	26·9	36·7	19·1	43·6	March 23	6·6	January 23	39	—	32	36
45	El Obeid...	568·9	13	11	30	14	9·31	24·1	32·6	27·6	25·2	34·0	16·6	41·5	March 23, 30	5·2	January 3	38	25	33	35
46	Singa *	436·3	13	9	33	57	—	25·2	—	—	28·0	36·4	19·7	43·6	March 21, 23	9·5	January 4	51	—	—	—
47	Gallabat	762·5	12	48	36	10	695·61	25·0	33·2	25·2	24·5	34·6	14·8	43·6	March 21	6·1	December	50	34	51	50
48	Roseires	466·9	11	51	34	23	717·87	23·2	—	26·4	24·8	35·2	18·4	45·0	March 23	10·0	Several Dates January	62	—	58	60
49	Malakal	393·6	9	35	31	37	23·75	25·2	32·5	24·9	25·3	34·2	19·1	43·0	March 22	13·0	Several Dates March 14	63	41	67	65
50	Doleib Hill *...	391·0	9	18	31	38	—	25·8	—	—	27·4	35·0	19·7	43·2	March 22, 23	13·2	Jan. 1, Feb. 26, December 22	59	—	—	—
51	Kafia Kingi *...	596·0	9	17	24	30	—	—	—	—	21·0	24·1	17·8	32·3	May 5	8·8	January 1, 8	—	—	—	—
52	Gambela *	410·0	8	15	34	35	—	24·6	—	—	26·3	33·4	19·2	41·6	March 23	12·5	March 13	70	—	—	—
53	Wau...	440·0	7	42	28	3	19·50	24·0	33·0	26·4	25·7	34·3	19·5	41·0	March 22, 24	12·5	January 8, 9	68	40	60	64
54	Mongalla	439·0	5	11	31	47	20·60	24·6	32·3	25·4	25·7	—	20·5	—	—	16·0	December 2	72	42	71	72
55	Harrar	1856·0	9	42	42	30	—	—	—	—	*19·5*	*25·7*	*13·3*	—	—	—	—	—	—	—	—

† Standard Pressure at sea-level. * Wind force at 8h only.

Note.—Where the value of wind force is given in heavy

Observations for the Year 1917.

Vapour Pressure (mm.) 8 h.	14 h.	20 h.	Mean	Clouds (0—10). 8 h.	14 h.	20 h.	Mean	Rainfall (mm.) Total	Maximum in one day Amount	Day	Days with ≥0·1 mm. of rain.	≥1·0 mm. of rain.	Wind Force Mean of day or 8 h. Scale 0-10	Direction Number of observations in which the wind-direction was recorded as N	NE	E	SE	S	SW	W	NW	Calm	Evaporation (mm.) per day. Piche or wild.
10·2	—	10·9	10·5	3·5	—	3·1	3·3	544·7	48·0	Nov. 24	63	52	1·2	63	23	7	15	74	49	71	146	218	5·10 P.
12·8 9h	—	11·4 21h	12·1	2·4 9h	—	2·1 21h	2·3	444·2	42·9	Jan. 21	62	58	—	11	240	8	91	73	53	—	254	—	—
10·3 9h	—	11·1 21h	10·7	2·5 9h	—	1·4 21h	1·9	304·3	32·5	Dec. 23	53	43	2·0	59	42	64	21·5	46·5	11	305·5	60·5	116	—
11·0	12·5 15h	—	—	2·9	4·1 15h	—	—	327·6	53·0	Jan. 9	59	43	1·4	96.5	58	72·5	95·5	34	55·5	74	207	36	—
13·1 9h	—	13·2 21h	13·1	3·1 9h	—	2·7 21h	2·9	358·1	48·5	Oct. 26	46	42	—	6	195	113	93	17	64	130·5	110·5	1	—
12·0	13·0 15h	—	—	2·8	3·4 15h	—	—	355·6	32·3	May 20	55	38	1·7	37·5	96	72	55	127	69	66·5	85	119	—
12·2 9h	—	11·6 21h	11·9	3·0 9h	—	2·2 21h	2·6	476·2	39·4	March 14	56	47	—	21	121·5	132	53	27	125	144·5	106	—	—
										Dec. 16													
11·8 9h	—	11·3 21h	11·6	2·8 9h	—	2·7 21h	2·7	417·6	25·4	Jan. 9	63	56	—	55	4	33	3	25	5	231	28	346	—
13·0	14·7 15h	—	—	2·9	3·7 15h	—	—	440·2	34·0	March 14	52	42	0·9	11	21·5	35	32	17·5	42·5	277	15·5	248	—
11·9 9h	—	12·0 21h	11·9	1·9 9h	—	1·3 21h	1·6	428·7	38·6	Feb. 11	68	42	—	27	—	290	—	46	—	355	—	12	—
—	—	—	—	2·6	—	—	—	136·7	23·8	Jan. 2	29	24	1·6	54	16·5	6·5	22	16	59	17·5	56·5	117	—
13·9	—	14·3	14·1	4·6	—	2·2	3·4	97·0	17·0	Jan. 3	15	15	2·1	134·5	108	36	31	37·5	51·5	120	137·5	74	2·21 W.
12·7	12·8	12·9	12·8	3·6	3·2	3·3	3·4	200·3	24·4	Feb. 12	30	28	1·8	287·5	146	33	31	20	29	80	214·5	252	2·02 W.
12·9	13·6	11·8	12·8	1·1	0·8	1·0	0·9	165·3	25·5	Jan. 2	29	24	1·3	84	35·5	—	8	—	40	—	244·5	683	3·03 P.
12·1	12·5	—	—	1·5	1·4	—	—	102·7	20·0	Jan. 3	22	21	1·7	92	42	46	28	94	120	208	99	—	3·08 W.
13·5	13·6	13·0	13·4	3·1	2·8	1·0	2·3	73·4	10·8	Jan. 3	21	15	1·1	229	168·5	28·5	11	19	42	68·5	133·5	393	4·14 P.
12·0	10·5	11·3	11·3	3·9	3·0	0·5	2·5	42·6	8·2	Feb. 12	15	11	1·1	16	2·5	0·5	5·5	14·5	19·5	4	20·5	907	2·65 W.
12·9	10·9	—	—	4·0	3·4	—	—	33·5	10·2	Jan. 5	15	6	1·8	121·5	167	28	20	25	110	81	150·5	7	5·25 P.
12·1	10·2	11·1	11·1	3·2	2·2	1·3	2·2	—	—	—	—	—	1·3	392	13	5	2	39	14	66	50	514	7·46 P.
12·2	10·3	11·3	11·3	3·5	2·7	1·4	2·5	55·7	16·5	Jan. 4	14	12	3·8	449	28	26	26	129	72	155	179	23	—
12·3	—	—	—	3·6	—	—	—	34·0	9·8	Jan. 4	16	10	1·0	101·5	7	3	10	29	24·5	2·5	47·5	140	4·37 P.
12·4	10·2	11·4	11·3	3·8	2·5	1·6	2·6	30·8	7·0	Jan. 4	15	10	0·9	207	33	1	11·5	45·5	56	58·5	488·5	192	4·14 W.
12·0	8·8	9·2 17h	10·6	1·7	1·6	1·6 17h	1·6	30·3	10·2	Nov. 19	10	7	1·0	321·5	108	20·5	2·5	71·5	26·5	38	141·5	322	—
10·7	7·7	9·0	9·1	2·7	2·6	1·7	2·3	33·6	9·4	Jan. 4	14	9	3·2	435·5	219·5	39	42·5	62·5	49·5	47	197·5	2	5·98 W.
11·8	10·3	11·1	11·1	1·6	1·8	1·1	1·5	—	—	—	—	—	2·3	603	74·5	2·5	30	35·5	53·5	39·5	109·5	135	4·64 W.
12·3	—	—	—	0·2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5·36 P.
11·3	12·9	11·0	11·7	1·7	1·9	1·6	1·8	—	—	—	—	—	2·7	75·5	83	4	4	39	22	1	704·5	162	7·97 P.
10·4	9·3	9·6	9·8	1·1	1·5	0·8	1·1	—	—	—	—	—	3·0	210	26	9·5	34	31	13	292·5	479	—	8·17 W.
10·8	—	—	—	0·4	—	—	—	—	—	—	—	—	2·2	8·5	9·5	—	—	0·5	12	13·5	316	—	5·67 P.
7·9	12·9	7·9	9·6	0·9	1·0	0·6	0·8	—	—	—	—	—	1·6	350	164	—	—	11	49·5	42	336·5	142	9·43 W.
7·0	6·8	7·0	6·9	0·7	0·5	0·4	0·5	—	—	—	—	—	1·8	639·5	52·5	5	7	0·5	2	8	114·5	266	16·98 P.
14·4	—	—	—	0·9	—	—	—	3·7	3·0	Dec. 7	2	1	—	198·5	94	21·5	53·5	10·5	10	7	112	155	—
16·8	18·9	18·6	18·1	2·6	2·4	1·7	2·3	25·3	15·0	Oct. 28	7	5	2·4	366	168	242·5	55	9	11	30	45·5	168	10·67 P.
15·5	—	—	—	2·8	—	—	—	116·2	53·0	Oct. 28	15	9	2·0	68	27·5	13	13	19·5	9·5	69·5	127	18	7·29 P.
6·3	5·6	5·5	5·8	1·0	1·0	0·7	0·9	1·4	1·4	Aug. 29	1	1	3·1	419	109	4	8·5	13	168	71·5	300	2	17·11 P.
17·2	—	—	—	—	—	—	—	*84·4*	*28·0*	*Oct. 29*	*6*	*6*	*4·0*	*103*	—	*40*	—	*96*	—	—	—	*34*	*17·54 P.*
7·8	5·7	6·7	6·7	0·4	0·5	0·7	0·5	28·7	13·0	June 28	7	5	1·1	411·5	120·5	31	39·5	21·5	120	50·5	154·5	138	18·02 P.
10·2	15·2	11·1	12·2	—	—	—	—	48·0	22·0	Aug. 28	6	6	—	—	—	—	—	—	—	—	—	—	11·12 P.
12·9	—	—	—	1·3	—	—	—	68·3	29·7	June 29	6	6	2·5	30·5	173·5	8·5	16	9	85·5	12	16	14	17·08 P.
8·8	6·8	7·7	7·7	2·1	1·9	0·6	1·6	75·6	19·4	June 28	11	8	2·7	353·5	212·5	32	16	80	138	65·5	65·5	132	15·03 P.
12·1	10·0	10·6	10·9	1·0	1·5	1·4	1·3	313·9	47·0	June 28	20	19	1·9	235·5	145·5	63·5	29·5	205	161·5	92	161·5	—	10·35 P.
—	—	—	—	—	—	—	—	292·8	69·0	June 23	16	16	—	—	—	—	—	—	—	—	—	—	—
10·8	8·2	9·6	9·5	1·5	1·6	2·2	1·8	373·2	48·0	Aug. 20	27	27	1·5	430·5	133·5	36·5	23·5	146	92·5	118·5	81	33	12·26 P.
10·2	—	9·2	9·7	1·4	—	1·4	1·4	298·4	64·0	Aug. 29	24	22	2·2	307·5	37·5	25	55·5	159·5	44·5	11·5	53	36	14·06 P.
8·8	8·4	9·2	8·8	1·9	2·6	2·8	2·4	370·0	76·0	Aug. 10	24	23	2·2	166·5	238·5	68·5	69·5	145·5	196	126	84·5	—	12·43 P.
12·1	—	—	—	2·5	—	—	—	410·7	45·0	Aug. 28	44	43	1·9	35	81	10	7	20	98	17	6	91	12·08 P.
11·4	11·9	11·4	11·6	2·2	3·1	3·4	2·9	806·6	57·3	Aug. 13	79	75	1·6	96	40	72·5	50	159·5	94	178·5	91·5	292	8·33 P.
13·3	—	14·3	13·8	3·7	—	3·6	3·6	780·3	81·0	Aug. 10	69	64	2·9	96	25	10	43	197	132	103	81	43	11·68 P.
15·0	13·8	15·2	14·6	4·4	4·6	3·8	4·2	1127·1	86·4	Oct. 2	80	72	0·9	50·5	189·5	56	39	138·5	159	60	33·5	361	8·30 P.
14·6	—	—	—	2·5	—	—	—	850·3	70·6	Oct. 10	96	72	2·4	64·5	69·5	13	21·5	73	41·5	10·5	16·5	52	—
—	—	—	—	—	—	—	—	1192·8	70·8	Aug. 24	71	67	2·0	44	44	25	7	63·5	63·5	22	15	80	—
15·8	—	—	—	4·9	—	—	—	1912·3	114·7	Aug. 25	118	108	1·4	0·5	3·5	24·5	185	18·5	16	5·5	4·5	107	5·49 P.
15·1	14·2	14·8	14·7	4·6	5·2	4·0	4·6	1107·3	95·3	Aug. 27	90	86	2·0	97·5	96	201·5	135·5	306	146	71·5	40	1	6·76 P.
16·4	14·5	16·8	15·9	6·0	5·4	4·8	5·4	951·6	59·0	April 13	99	79	—	123	18	15	3	51	20·5	69·5	111	684	4·75 P.
—	—	—	—	—	—	—	—	*744·5*	*51·0*	*May 30*	*91*	*83*	—	*7*	*112*	*2*	*29*	*20*	*45*	*19*	*16*	*25*	—

type, the force is derived from anemometer readings.

DURATION OF SUNSHINE.

ALEXANDRIA (Kom el Nadura), 1917.

Days of Month	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible
	Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours	
1	6·0	59	5·8	55	7·1	62	3·7	30	10·9	81	12·1	86	11·3	80	11·9	87	10·1	79	8·7	74	1·6	15	8·7	85
2	3·3	33	6·9	65	8·5	74	0·6	5	12·0	90	12·1	86	12·4	88	11·4	84	10·5	82	9·3	79	4·5	41	9·0	88
3	5·1	50	4·8	45	4·6	40	9·4	75	11·7	87	12·2	87	12·3	87	11·3	83	10·3	81	9·1	77	7·8	72	6·6	65
4	0·1	1	7·8	73	0.0	0	10·0	79	12·0	90	11·9	85	12·3	87	11·1	82	11·0	87	8·6	74	7·9	73	8·1	79
5	6·6	65	7·9	74	8·1	70	10·3	82	11·5	85	12·1	80	12·3	87	11·8	87	10·2	81	8·3	71	8·8	81	2·9	28
6	3·6	36	8·2	70	8·3	72	10·5	83	9·0	67	11·5	82	11·4	81	10·2	76	10·2	81	8·3	71	9·0	83	7·2	71
7	7·7	75	0·0	0	8·8	75	9·8	78	12·0	89	11·2	79	11·9	85	10·7	79	9·9	79	8·5	73	5·6	80	3·8	38
8	8·3	81	6·8	65	9·0	77	9·0	71	12·0	89	7·8	55	12·4	89	11·8	87	10·0	79	8·6	74	8·6	80	3·6	36
9	1·9	19	5·7	53	9·1	78	10·2	80	11·9	87	12·2	87	11·3	81	11·7	87	9·8	78	7·6	66	7·9	74	0·5	5
10	7·0	69	0·2	2	8·5	72	8·1	64	11·8	87	12·3	87	12·3	88	11·2	84	9·2	74	8·1	70	7·2	68	6·1	60
11	3·9	38	7·6	70	4·0	34	8·7	68	12·0	88	12·3	87	12·5	89	11·2	84	9·6	77	8·0	70	5·0	47	0·8	8
12	2·8	27	3·5	32	8·1	69	10·5	82	10·7	79	12·2	87	12·3	88	11·3	84	9·3	75	7.7	67	6·7	63	8·5	84
13	5·1	50	8·0	73	9·2	78	9·5	74	11·7	86	12·2	87	12·1	86	11·3	85	9·4	76	8·6	75	7·5	71	8·1	80
14	8·1	70	7.0	64	4·3	36	10·2	79	10·9	80	12·4	88	12 4	89	11·5	86	10·2	82	8·2	72	5·6	53	8·0	79
15	8·6	83	2·3	21	8·8	74	10·7	83	12·0	88	12·1	86	12·4	89	11·6	87	9·6	78	8·4	74	2·0	19	8·2	81
16	7·2	70	1·6	15	9·2	77	10·5	81	12·1	88	12·2	87	12·0	86	11·6	88	9·1	74	8·5	75	0·2	2	7·2	71
17	7·4	72	7·3	66	8·6	72	6·5	50	11·9	87	11·6	82	12·3	88	11·8	89	8·9	72	8·1	72	0·3	3	4·1	41
18	8·0	78	7·1	64	6·8	57	5·3	41	3·7	27	12·1	86	12·1	87	11·3	86	9·6	79	8·4	74	7·2	69	4·3	43
19	7·7	75	8·0	72	8·2	68	10·5	81	0·0	0	11·6	82	12·4	89	6·5	49	9·6	79	8·1	72	1·0	10	3·3	33
20	5·3	51	9·0	80	8·1	67	11·8	91	11·5	83	12·3	87	12·4	89	11·0	84	9·7	80	8·2	73	2·6	25	7·7	70
21	8·1	78	7·0	62	8·8	73	9·6	74	10·0	72	11·8	84	12·1	88	11·4	87	9·7	80	8·5	70	8·3	80	7·5	74
22	7·8	75	7·6	68	5·5	45	11·6	89	1·8	13	12·1	86	12·2	88	11·4	87	9·5	79	7·7	69	8·6	83	2·5	25
23	6·8	65	9·0	80	9·4	77	5·5	42	11·0	80	12·4	88	12·5	91	10·2	78	9·7	80	8·4	75	8·7	84	4·3	43
24	5·5	53	6·7	59	9·1	75	0·2	2	10·5	76	12·3	87	12·6	91	11·2	86	9·5	79	8·6	77	8·1	79	4·0	40
25	8·4	81	9·2	81	9·1	75	4·7	36	10·9	78	12·3	87	11·8	86	11·3	87	8·8	73	7·1	64	6·6	64	0·7	7
26	6·0	57	5·1	45	9·0	73	5·8	44	11·7	84	12·4	88	12·3	89	11·1	86	8·7	72	7·4	67	8·7	84	8·2	81
27	7·5	71	0·7	6	9·0	73	7·7	58	12·0	86	12·0	85	11·4	83	11·0	85	8·1	67	8·0	73	8·7	84	4·0	40
28	8·9	85	5·9	52	5·7	46	10·5	79	11·1	80	11·2	79	11·5	84	11·2	87	9·0	76	6·4	58	7·4	72	2·6	26
29	6·7	63			0·1	1	11·0	83	12·2	87	11·8	84	11·4	83	11·3	88	9·1	76	6·5	77	5·9	58	1·1	11
30	0·4	4			4·9	40	11·7	88	11·9	85	12·1	86	11·5	84	11·4	89	9·2	77	8·8	80	6·8	67	5·1	50
31	8·2	77			4·5	36			11·8	84			12·0	88	11·5	90			8·9	82			3·2	32
Month	6·1	59	6·0	54	7·2	60	8·5	66	10·5	77	11·9	84	12·1	87	11·1	84	9·6	78	8·2	73	6·3	59	5·2	51

Port Said, 1917.

Days of Month	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible
	Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours	
1	8·2	81	8·5	80	11·1	97	7·5	60	12·8	96	12·9	92	13·4	95	8·0	59	8·5	66	11·0	93	7·5	69	8·4	82
2	3·8	38	8·5	80	9·3	81	0·8	6	11·8	88	12·9	92	13.1	93	11·5	85	11·7	92	11·2	95	5·4	50	10·2	100
3	5·2	51	5·5	51	0·6	5	5·8	46	12·9	96	12·9	92	13·5	96	13·0	96	11·5	91	11·2	95	7·2	67	9·7	95
4	0·7	7	9·1	85	0·1	1	—	—	13·2	99	13·1	94	8·5	60	13·4	99	12·2	96	11·4	97	10·8	100	7·5	74
5	9·1	90	8·6	80	8·9	77	—	—	13·1	97	12·9	92	12·8	91	9·7	72	11·9	94	10·0	85	10·5	97	7·3	72
6	8·0	79	9·5	88	10·1	87	—	—	12·9	96	13·0	93	12·8	91	12·6	93	11·1	88	11·2	96	10·8	100	9·1	89
7	10·2	100	1·6	15	10·2	87	—	—	12·4	92	12·8	91	13·5	96	13·2	98	11·3	90	10·9	93	10·7	100	6·2	61
8	10·2	100	9·0	83	9·8	84	—	—	12·8	95	8·1	57	12·2	87	8·8	65	9·7	77	11·1	96	10·7	100	8·4	83
9	6·5	64	10·2	94	—	—	—	—	12·3	90	13·5	96	12·4	89	13·3	99	11·5	92	9·7	84	9·0	84	9·0	89
10	8·6	84	0·4	4	11.6	98	9·1	72	12·8	94	9·1	65	10·6	76	10·0	75	11·7	94	1·3	11	9·8	92	7·6	75
11	10·0	98	6·9	63	4·5	38	11·5	90	10·2	75	13·0	92	13·5	96	12·5	93	9·0	72	10·9	95	7·2	68	7·0	69
12	8·0	78	6·5	60	9·2	78	10·8	84	9·6	71	9·4	67	13·0	93	12·5	93	11·2	90	10·4	90	9·6	91	9·0	89
13	5·8	57	9·9	90	10·8	92	10·3	80	12·1	89	13·4	95	12 9	92	11·8	89	10·9	88	9·3	81	9·9	93	6·7	66
14	10·0	98	8·0	73	9·4	79	12·3	95	11·0	80	8·7	62	12·8	91	13·2	99	11·0	89	10·2	89	10·6	100	10·1	100
15	9·5	92	1·9	17	10·6	89	11·5	89	11·8	86	12·9	91	8·7	62	12·5	94	12·0	98	10·5	92	7·8	74	9·8	97
16	10·3	100	3·8	35	9·6	80	11·9	92	—	—	12·2	87	13·1	94	13·0	98	10·1	82	9·0	79	2·5	24	9·8	97
17	9·7	94	8·0	72	11·5	96	8·2	64	12·7	93	12·8	91	13·6	98	13·0	98	9·4	76	10·0	88	2·0	19	8·4	83
18	10·3	100	9·4	85	9·4	78	4·5	35	8·8	64	8·8	62	8·8	63	12·2	92	11·3	93	10·8	96	6·0	58	3·2	32
19	9·5	92	10·6	95	10·7	89	9·5	73	0.0	0	13·2	94	13·4	96	11·4	86	10·0	82	11·2	99	1·0	10	8·2	81
20	8·5	82	11·1	99	10·6	88	12·2	94	8·2	59	8·8	62	13·4	96	12·1	92	11·2	92	11·2	100	1·2	12	7·2	71
21	9·4	90	11·0	98	11.0	91	12·0	92	12·0	87	13·0	92	12·5	91	12·2	93	11·6	95	11·2	100	10·4	100	6·0	59
22	9·1	88	6·5	58	8·0	66	10·8	82	3·8	28	13·0	92	13·4	97	10·5	80	11·8	98	0·0	0	10·2	98	6·2	61
23	8·0	77	8·1	72	11·2	92	5·4	41	2·0	14	13·1	93	13·5	98	11·9	92	10·7	88	11·2	100	9·6	92	6·3	62
24	7·4	71	9·7	86	9·7	80	4·0	31	9·0	65	13·4	95	8·3	60	12·3	95	10·1	84	11·1	100	8·4	82	4·2	42
25	9·2	88	10·8	96	11.3	93	5·8	44	8·4	60	13·5	96	13·0	94	11·8	91	8·6	72	11·1	100	10·3	100	2·9	29
26	9·8	93	10·5	92	11.5	93	4·4	33	11·0	79	13·4	95	12·2	88	12·5	97	11·0	92	11·1	100	10·3	100	9·1	90
27	9·4	90	8·1	71	—	—	3·0	23	9·8	70	13·0	92	11·2	82	12·5	97	9·3	77	4·5	41	—	—	5·0	50
28	10·2	97	8·9	78	11·3	92	4·3	32	11·3	81	8·4	60	12·2	89	12·4	96	11·1	93	9·1	83	10·1	98	5·7	56
29	9·0	85			4·5	36	12·6	95	10·6	76	11·9	84	12·3	90	12·5	97	11·2	94	10·6	96	6·2	61	0·1	1
30	3·8	36			5·0	40	11·8	89	12·2	87	13·1	93	13·0	95	12·8	100	11·2	94	8·3	75	10·2	100	7·7	76
31	9·3	88			5·1	41			10·6	76			13·0	96	12·8	100			10·8	99			1·5	15
Month	8·3	80	7·9	71	8·8	74	8·3	64	10·4	76	12·0	85	12·3	88	12·0	91	10·8	88	9·7	85	8·1	77	7·0	69

DURATION OF SUNSHINE.

Qurashiya, 1917.

Days of Month	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible
	Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours	
1	1·8	18	3·6	34	8·0	70	4·7	38	11·4	85	11·2	80	—	—	—	—	—	—	—	—	—	—	—	—
2	0·0	0	7·0	66	8·6	75	0·3	2	11·5	86	11·0	79	—	—	—	—	—	—	—	—	—	—	—	—
3	0·0	0	6·7	63	5·3	46	9·2	74	11·0	82	11·0	79	—	—	—	—	—	—	—	—	—	—	—	—
4	0·0	0	7·5	70	0·0	0	8·4	67	11·5	86	10·5	75	—	—	—	—	—	—	—	—	—	—	—	—
5	4·3	43	7·0	65	8·5	73	8·7	69	12·0	89	10·7	76	—	—	—	—	—	—	—	—	—	—	—	—
6	6·2	61	8·2	76	7·6	66	8·2	65	10·0	74	10·3	74	—	—	—	—	—	—	—	—	—	—	—	—
7	7·9	77	0·0	0	8·1	69	8·8	70	11·9	88	9·8	70	—	—	—	—	—	—	—	—	—	—	—	—
8	7·8	76	7·6	70	9·0	77	9·1	72	12·2	90	9·4	67	—	—	—	—	—	—	—	—	—	—	—	—
9	2·4	24	6·4	59	9·0	77	8·4	66	12·1	89	10·1	72	—	—	—	—	—	—	—	—	—	—	—	—
10	2·7	26	0·2	2	7·6	64	8·4	66	12·3	90	10·1	72	—	—	—	—	—	—	—	—	—	—	—	—
11	5·3	52	6·9	63	3·2	27	8·0	62	12·0	88	9·9	70	—	—	—	—	—	—	—	—	—	—	—	—
12	2·5	25	2·3	21	8·8	75	9·0	70	11·2	82	10·1	72	—	—	—	—	—	—	—	—	—	—	—	—
13	1·9	19	7·4	67	8·7	74	8·1	63	11·3	83	9·8	70	—	—	—	—	—	—	—	—	—	—	—	—
14	7·1	70	6·3	57	6·8	57	8·8	68	11·4	83	9·7	69	—	—	—	—	—	—	—	—	—	—	—	—
15	7·5	73	2·2	20	9·2	77	7·5	58	11·2	82	9·2	65	—	—	—	—	—	—	—	—	—	—	—	—
16	7·6	74	1·2	11	8·6	72	10·5	81	11·3	82	9·2	65	—	—	—	—	—	—	—	—	—	—	—	—
17	6·4	62	7·7	69	9·2	77	8·2	64	12·1	88	9·6	68	—	—	—	—	—	—	—	—	—	—	—	—
18	8·0	78	7·3	66	8·8	73	6·3	48	5·1	37	9·6	68	—	—	—	—	—	—	—	—	—	—	—	—
19	7·4	72	7·4	67	8·6	72	11·4	88	0·0	0	9·7	69	—	—	—	—	—	—	—	—	—	—	—	—
20	5·3	51	8·9	79	9·2	76	11·3	87	11·5	83	9·4	67	—	—	—	—	—	—	—	—	—	—	—	—
21	6·7	64	7·7	69	7·2	60	10·7	82	9·6	70	9·6	68	—	—	—	—	—	—	—	—	—	—	—	—
22	5·0	48	8·5	76	7·4	61	10.3	79	5·1	37	9·1	65	—	—	—	—	—	—	—	—	—	—	—	—
23	3·8	37	6·9	62	9·2	75	4·8	37	11·5	83	9·3	66	—	—	—	—	—	—	—	—	—	—	—	—
24	6·8	65	7·0	62	8·8	72	5·8	44	11·3	81	9·3	66	—	—	—	—	—	—	—	—	—	—	—	—
25	8·4	81	8·4	74	10·0	82	5·7	43	8·6	62	9·4	67	—	—	—	—	—	—	—	—	—	—	—	—
26	5·9	56	7·6	67	8·9	72	6·0	45	11·5	83	8·9	63	—	—	—	—	—	—	—	—	—	—	—	—
27	7·4	70	2·1	18	8·8	72	8·0	61	11·0	79	9·1	65	—	—	—	—	—	—	—	—	—	—	—	—
28	8·3	79	4·5	39	8·1	66	7·3	55	11·2	81	8·8	62	—	—	—	—	—	—	—	—	—	—	—	—
29	2·0	19			5·0	40	11·0	83	11·5	82	8·5	60	—	—	—	—	—	—	—	—	—	—	—	—
30	0·0	0			4·6	37	11·1	83	11·3	81	9·1	65	—	—	—	—	—	—	—	—	—	—	—	—
31	8·7	82			5·3	43			11·0	79			—	—	—	—			—	—			—	—
Month	5·0	48	5·9	53	7·6	64	8·1	63	10·5	77	9·7	69	—	—	—	—	—	—	—	—	—	—	—	—

Khartoum (Gordon College), 1917.

Days of Month	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible	Recorded	% of Possible
	Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours		Hours	
1	9·5	85	9·0	79	9·2	78	9·1	75	10·1	80	10·4	80	5·3	41	9·6	75	6·1	49	8·5	71	9·0	78	9·2	82
2	9·3	83	8·9	78	8·5	72	8·9	72	9·8	77	9·6	74	8·0	62	10·7	84	3·2	26	7·4	62	8·8	77	9·2	82
3	9·4	84	8·7	76	8·6	73	7·6	62	10·8	85	1·0	8	9·6	74	1·9	15	9·8	79	8·7	73	8·7	76	9·0	80
4	9·1	81	8·4	74	8·7	74	2·8	23	10·6	83	9·3	72	10·5	81	9·7	76	0·6	5	8·8	74	8·2	71	8·8	79
5	9.3	83	8·6	75	8·9	75	10·0	81	10·3	81	10·2	78	9·2	71	10·3	80	9·2	74	8·4	71	8·3	72	8·9	79
6	9·0	80	9·0	78	6·6	55	11·0	89	11·0	87	9·9	76	10·5	81	8·3	65	9·6	76	8·8	74	8·2	71	8·6	77
7	9·0	80	8·7	76	8·3	70	11·2	91	11·2	88	6·9	53	9·5	73	1·7	13	8·0	65	8·9	75	8·7	76	8·8	79
8	9·4	84	8·6	75	8·7	73	11·2	90	11·5	90	10·3	79	11·3	87	9·3	73	7·6	62	9·0	76	8·7	76	8·6	77
9	9·3	83	8·9	77	9·2	77	11·2	90	11·5	90	10·6	82	11·2	86	9·4	74	4·0	33	9·0	76	8·6	75	8·6	77
10	9·0	80	8·8	77	9·2	77	11·4	92	11·5	90	6·4	49	10·5	81	11·0	87	7·0	57	9·0	76	8·5	75	8·4	75
11	9·0	80	9·0	78	7·6	63	11·2	90	10·5	82	9·1	70	9·0	69	7·8	61	9·0	74	7·8	66	8·6	75	8·6	77
12	9·0	80	8·8	76	8·8	73	11·2	90	11·1	87	9·0	69	10·1	78	10·5	83	8·5	70	8·5	72	8·5	75	9·0	80
13	9·1	81	7·4	64	8·7	72	11·2	90	10·3	80	10·0	77	9·6	74	10·8	86	8·7	71	8·8	75	8·5	75	9·2	82
14	9·0	80	8·8	76	8·8	73	10·6	85	6·2	48	10·0	77	9·8	76	7·0	56	7·7	63	8·8	75	8·5	75	8·8	79
15	9·0	80	9·4	81	9·5	79	11·3	91	9·6	75	10·2	78	10·7	83	11·5	91	5·1	42	8·0	68	8·6	75	8·9	79
16	9·2	81	9·5	82	9·8	82	11·0	89	10·2	80	10·4	80	9·5	74	7·1	56	7·0	57	8·8	75	8·7	76	9·0	80
17	9·2	81	9·0	78	8·8	73	11·3	90	8·1	63	10·5	81	9·5	74	9·2	73	9·2	75	8·8	75	8·5	75	9·0	80
18	9·2	81	9·0	78	9·7	81	10·7	86	2·7	21	6·8	52	6·0	47	11·0	87	7·0	57	9·0	77	8·5	75	8·8	79
19	9·2	81	8·7	75	9·8	82	11·6	93	7·2	56	4·3	33	8·0	62	1·3	10	3·0	25	9·0	77	8·8	78	8·1	72
20	8·8	78	9·3	80	9·0	74	11·5	92	7·2	56	2·2	17	8·5	66	10·2	81	7·1	59	9·1	78	8·9	79	8·2	73
21	9·0	80	9·4	80	9·5	79	11·4	91	7·1	55	6·9	53	11·1	86	10·7	85	9·0	74	8·8	75	8·7	77	8·6	77
22	9·2	81	9·1	78	8·6	71	11·0	88	9·1	71	0·0	0	9·8	76	9·6	77	6·2	51	9·0	77	8·5	75	8·7	78
23	9·2	81	8·8	75	9·6	79	8·7	69	0·0	0	3·9	30	7·6	59	8·1	65	7·6	63	8·9	77	8·5	75	8·8	79
24	9·4	83	9·0	77	9·8	81	10·6	84	4·8	37	7·0	54	8·5	66	0·2	2	6·0	50	8·4	72	8·7	77	8·6	77
25	9·5	84	9·0	77	9·8	81	10·6	84	8·5	66	10·7	82	9·1	71	9·5	76	9·0	75	8·8	76	8·3	73	8·6	77
26	9·2	81	9·1	78	10·0	82	10·7	85	8·6	67	4·6	35	7·9	62	0·1	1	5·2	43	8·7	75	8·4	74	6·5	58
27	9·4	82	9·0	76	10·0	82	10·7	85	9·8	76	9·1	70	9·9	77	5·5	44	8·7	72	8·8	76	8·7	77	8·8	79
28	9·0	79	9·2	78	10·0	82	9·2	73	8·7	67	9·8	75	6·5	51	11·0	89	9·0	75	8·9	77	8·7	78	8·7	78
29	9·4	82			9·8	80	6·8	54	5·7	44	2·3	18	8·8	69	8·7	70	8·8	73	9·0	78	9·0	80	8·6	77
30	9·0	79			9·4	77	9·2	73	8·8	68	6·2	48	10·0	78	1·5	12	8·8	73	9·0	78	8·7	78	8·5	76
31	9·1	80			9·3	76			9·3	72			9·0	70	6·8	55			9·0	78			8·5	76
Month	9·2	81	8·9	77	9·1	76	10·2	82	8·8	68	7·6	58	9·2	71	7·7	61	7·2	59	8·7	74	8·6	76	8·7	77

RAINFALL TABLES.

Rainfall Stations in BEHEIRA PROVINCE, LOWER EGYPT.

Ras el Dabba (Mediterranean Sea Coast).

φ=31° 6′ N. λ=28° 28′ E. h=15 m. h_r=1·2 m.

MONTH	Rainfall mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	32·5	14·0	4	5	4
February ...	38·0	20·0	27	4	4
March	2·0	2·0	10	1	1
April	1·5	1·0	30	2	1
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ...	3·4	2·6	27	2	1
November ...	0·6	0·4	18	2	—
December ...	25·0	6·0	7,9	6	6
TOTAL ...	103·0	—	—	22	17

Mex (near Alexandria).

φ=31° 9′ N. λ=29° 51′ E. h=5 m. h_r=1·7 m.

MONTH	Rainfall mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	49·5	11·7	2	10	8
February ...	32·6	19·1	11	4	3
March	21·6	11·4	10	3	3
April	1·0	1·0	2	1	1
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August	0·0	0·0	—	—	—
September ..	0·0	0·0	—	—	—
October ..	2·4	1·3	28	3	2
November ...	1·8	1·4	19	2	1
December ..	58·4	18·0	25	12	8
TOTAL ...	167·3	—	—	35	26

Bahîg.

φ=00° 0′ N. λ=00° 00′ E. h=0 m. h_r=0·0 m.

MONTH	Rainfall mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ..	Commenced October 9, 1917.				
February ...					
March					
April					
May					
June					
July					
August... ...					
September ...					
October ..	*16·6*	12·6	26	3	2
November ...	1·2	0·7	19	2	—
December ...	42·9	15·4	9	8	8
TOTAL ...	—	—	—	—	—

Rosetta (Lighthouse).

φ=31° 30′ N. λ=30° 20′ E. h=0 m. h_r=1·0 m.

MONTH	Rainfall mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	60·7	41·3	4	8	5
February ..	12·7	10·0	12	4	2
March	18·1	11·3	11	3	3
April	9·8	9·4	29	2	1
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August	0·0	0·0	—	—	—
September ..	0·0	0·0	—	—	—
October .	12·6	7·8	28	4	3
November ...	6·5	4·2	21	4	3
December ..	104·3	43·4	23	12	7
TOTAL ...	224·7	—	—	37	24

Damanhûr.

φ=31° 2′ N. λ=30° 29′ E. h=5 m. h_r=1·0 m

MONTH	Rainfall mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	66·2	17·5	3	9	8
February ...	14·8	7·2	11	6	6
March	37·8	21·0	10	3	3
April	0·5	0·5	29	1	—
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	-	—	—
August	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ..	6·6	2·7	27	3	3
November ..	1·0	1·0	19	1	1
December ..	25·4	7·5	7	8	7
TOTAL ...	152·3	—	—	31	28

Rainfall Stations in GHARBIYA, DAQAHLIYA AND SHARQIYA PROVINCES, LOWER EGYPT.

Burullus (Lighthouse).

φ=31° 36′ N. λ=31° 5′ E. h=10 m. h_1=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ..	100·7	41·0	3	11	4
February ..	7·2	3·4	27	5	3
March	22·0	14·5	9	3	2
April	0·0	0·0	—	—	—
May	8·0	8·0	15	1	1
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ..	0·0	0·0	—	—	—
October ..	9·5	8·0	27	2	2
November ...	1·4	1·2	20	2	1
December ..	84·5	25·4	25	13	8
TOTAL ...	233·3	—	—	37	21

Kafr el Zaiyât.

φ=30° 49′ N. λ=30° 51′ E. h=10 m. h_1=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	49·0	20·0	3	7	6
February ...	0·5	0·5	12	1	—
March	11·0	8·0	11	2	2
April	1·4	1·4	2	1	1
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ..	0·0	0·0	—	—	—
October... ...	0·0	0·0	—	—	—
November ..	2·0	2·0	21	1	1
December ...	4·2	4·2	25	1	1
TOTAL ...	68·1	—	—	13	11

Kafr el Sheikh.

φ=31° 7′ N. λ=30° 57′ E. h=9 m. h_1=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	53·0	16·5	4,5	4	4
February ...	4·0	4·0	27	1	1
March	17·0	15·5	9	2	2
April	0·0	0·0	—	—	—
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ...	2·0	2·0	27	1	1
November ...	17·0	17·0	20	1	1
December ...	17·5	12·0	25	3	3
TOTAL ...	110·5	—	—	12	12

Damietta (Lighthouse).

φ=31° 31′ N. λ=30° 51′ E. h=9 m. h_1=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	67·6	22·8	3	11	9
February ...	9·8	4·5	2	7	3
March	24·8	19·0	12	2	2
April	0·0	0·0	—	—	—
May	10·0	10·0	16	1	1
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ...	6·1	6·1	28	1	1
November ...	13·4	8·4	19	3	2
December ...	39·5	11·1	24	9	7
TOTAL ...	171·2	—	—	34	25

Faqûs.

φ=30° 45′ N. λ=31° 50′ E. h=10 m. h_1=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	19·4	8·0	4·0	4	3
February ...	8·4	5·5	12	4	2
March	2·7	2·7	11	1	1
April	0·0	0·0	—	—	—
May	Drops	Drops	23	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ...	0·0	0·0	—	—	—
November ...	48·0	32·0	20	2	2
December ...	6·8	3·0	18	4	3
TOTAL ...	85.3	—	—	15	11

Ismailia * (Suez Canal).

φ=30° 36′ N. λ=32° 16′ E. h=10 m. h_1=1·7 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	18·8	7·0	4	5	4
February ...	2·5	2·3	11	2	1
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ...	1·0	1·0	28	1	1
November ...	2·9	2·9	19	1	1
December ...	6·3	5·6	18	2	1
TOTAL ...	31·5	—	—	11	8

* Kindly furnished by the Suez Canal Co.

Rainfall Stations in the SUDAN.

Abu Hamed.

φ=19° 30′ N. λ=33° 20′ E. h=310 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	0·0	—	—	—	—

Thamiam.

φ=18° 22′ N. λ=36° 34′ E. h=910 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·8	0·4	25, 29	2	—
May	11·3	11·3	15	1	1
June	13·9	7·8	22	5	2
July	0·0	0·0	—	—	—
August... ...	2·6	2·0	25	2	1
September ...	34·7	12·0	8	5	5
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	63·3	—	—	15	9

Talgwareb.

φ=18° 17′ N. λ=35° 55′ E. h=540 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	7·0	4·0	25	2	2
May	0·0	0·0	—	—	—
June	27·0	22·0	24	2	2
July	0·0	0·0	—	—	—
August... ...	8·0	8·0	25	1	1
September ...	4·0	2·0	7, 23	2	2
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	46·0	—	—	7	7

Sallum.

φ=19° 23′ N. λ=37° 10′ E. h=170 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	9·3	9·3	12	1	1
February ...	8·6	8·6	9	1	1
March	0·0	0·0	—	—	—
April	3·2	3·2	5	1	1
May	0·0	0·0	—	—	—
June	0·0	0·0	—	—	—
July	0·0	0·0	—	—	—
August... ...	0·0	0·0	—	—	—
September ...	0·0	0·0	—	—	—
October ...	7·5	7·5	28	1	1
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	28·6	—	—	4	4

Khashm el Girba (R. Atbara).

φ=14° 59′ N. λ=35° 57′ E. h=480 m. h_r=0·9 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	No observations.				
March					
April					
May					
June	45·8	15·6	29	6	6
July	35·1	15·3	1	4	4
August... ...	83·0	15·7	3	6	6
September ...	66·5	16·3	26	6	6
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	230·4	—	—	22	22

Gedaref (R. Atbara Basin).

φ=14° 2′ N. λ=35° 24′ E. h=500 m. h_r=1·2 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	Drops	Drops	24	—	—
March	0·0	0·0	—	—	—
April	4·3	4·3	3	1	1
May	5·7	3·2	31	2	2
June	182·7	65·0	21	11	11
July	180·3	66·6	30	6	6
August... ...	280·9	122·2	7	10	10
September ...	107·1	49·1	9	6	6
October ...	0·1	0·1	27	1	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	761·1	—	—	37	36

Rainfall Stations in the SUDAN (*continued*).

Abu Deleig (Blue Nile Basin).

φ=15° 55′ N. λ=33° 49′ E. h=400 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 mm. of rain	Days with ≥1·0 mm. of rain
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	0·0	0·0	—	—	—
June	51·0	14·0	23	5	5
July	0·0	0·0	—	—	—
August... ...	65·0	25·0	23	3	3
September ...	36·0	28·0	14	2	2
October... ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	152·0	—	—	10	10

Kamlin (Blue Nile).

φ=15° 2′ N. λ=33° 3′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 mm. of rain	Days with ≥1·0 mm. of rain
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	6·0	6·0	27	1	1
June	73·4	26·0	24	6	5
July	24·4	24·4	1	1	1
August... ...	93·8	35·2	24	7	7
September ...	7·0	4·0	4	4	4
October... ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	204·6	—	—	19	18

Hassa Heissa (Blue Nile).

φ=15° ′N. λ=33° 17′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 mm. of rain	Days with ≥1·0 mm. of rain
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	0·0	0·0	—	—	—
June	86·4	74·4	24	3	3
July	19·8	15·3	2	2	2
August ...	119·8	34·0	25	8	8
September ..	68·5	26·0	15	5	5
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	294·5	—	—	18	18

Rufaa (Blue Nile).

φ=14° 48′ N. λ=33° 19′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 mm. of rain	Days with ≥1·0 mm. of rain
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	1·0	1·0	25	1	1
June	124·5	75·0	23	6	6
July	0·3	0·3	28	1	—
August ...	165·5	64·0	13	8	8
September ...	62·8	41·0	1	4	4
October ...	0·0	0·0	—	—	—
November ..	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	354·1	—	—	20	19

Wad Medani Irrigation Office (Blue Nile).

φ=14° 24′ N. λ=33° 31′ E. h=410 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day. Amount	Maximum of one day. Date	Days with ≥0·1 mm. of rain	Days with ≥1·0 mm. of rain
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	12·1	12·1	3	1	1
May	5·5	5·5	25	1	1
June	73·0	48·0	24	4	4
July	34·5	20·0	1	2	2
August ...	201·4	71·5	31	9	9
September ..	140·0	42·5	4	5	5
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	466·5	—	—	22	22

Managil (Blue Nile Basin).

φ=14° 13′ N. λ=32° 58′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 mm. of rain	Days with ≥1·0 mm. of rain
1917					
January ...	0·0	0·0	—	—	-
February ...	0·0	0·0	—	—	—
March ...	0·0	0·0	—	—	—
April ...	0·0	0·0	—	—	—
May	9·0	4·5	27	3	2
June	93·5	76·0	24	3	3
July	28·5	15·0	29	2	2
August ...	167·8	53·0	14	10	10
September ...	88·5	52·0	2	3	3
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	-
Total ...	387·3	—	—	21	21

Rainfall Stations in the SUDAN (*continued*).

Wad Haddad (Blue Nile).

φ=13° 49′ N. λ=33° 33′ E. h=410 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	10·1	5·5	22	2	2
June	78·8	38·0	24	3	3
July	105·4	70·8	29	4	4
August... ...	96·6	30·4	14	6	6
September ...	84·4	37·8	4	3	3
October ...	3·4	3·4	5	1	1
November ...	3·4	3·4	1	1	1
December ...	0·0	0·0	—	—	—
TOTAL ...	382·1	—	—	20	20

Sennar (Blue Nile).

φ=13° 36′ N. λ=33° 36′ E. h=410 m. h_r=1·2 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	11·3	6·1	22	2	2
June	64·5	21·0	27	6	6
July	102·5	31·5	1	6	6
August... ...	126·8	42·8	27	8	8
September ...	125·7	45·1	10	5	4
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	430·8	—	—	27	26

Makwar (Blue Nile).

φ=13° 30′ N. λ=33° 40′ E. h=410 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	8·2	8·2	3	1	1
May	5·8	2·7	25	3	3
June	65·5	21·0	27	8	8
July	74·4	25·8	1	7	6
August... ...	79·9	27·0	14	12	7
September ...	202·5	80·8	11	7	6
October ...	3·4	3·4	5	1	1
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	439·7	—	—	39	32

Karkoj (Blue Nile).

φ=13° ′ N. λ=34° ′ E. h=420 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	Drops	Drops	3	—	—
May	84·0	65·0	24	3	3
June	81·0	48·0	26	3	3
July	51·5	26·0	31	3	3
August... ...	63·2	18·1	15	9	9
September ...	144·5	55.0	18	7	7
October ...	10·5	10·5	27	1	1
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	434·7	—	—	26	26

Abu Hashim (R. Dinder).

φ=13° ′ N. λ=31° 18′ E. h=420 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	6·0	0·0	—	—	—
May	55·7	33·0	25	6	6
June	72·0	52·5	27	4	4
July	283·0	97·0	81	9	9
August ...	195·0	63·0	11	12	12
September ...	193·0	46·0	19	6	6
October ...	5·0	5·0	28	1	1
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	803·7	—	—	38	38

Mafaza (R. Rahad).

φ=13° 37′ N. λ=34° 32′ E. h=420 m. h_r=0·9 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	6·7	6·7	25	1	1
June	73·0	33·2	22, 24	5	5
July	90·4	57·3	31	8	8
August... ...	255·8	98·2	8	9	9
September ...	75·3	37·0	16	7	7
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	501·2	—	—	30	30

Rainfall Stations in the SUDAN (*continued*).

Dar Fnng (Blue Nile Basin).

φ=11° 17′ N. λ=33° 55′ E. h=500 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	4·5	4·5	31	1	1
April	57·5	27·5	27	4	4
May	79·0	25·0	22	8	8
June	215·0	35·0	27	15	15
July	159·5	57·5	10	11	11
August... ...	226·0	54·5	11	17	14
September ...	207·0	54·0	16	16	16
October ...	116·0	66·0	18	7	7
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	1064·5	—	—	79	76

Kurmuk (Blue Nile Basin).

φ=10° 50′ N. λ=34° 26′ E. h=900 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	10·0	10·0	31	1	1
April	58·5	53·0	29	3	3
May	229·0	67·0	22	6	6
June	142·0	35·5	10	9	9
July	193·2	52·0	19	10	10
August... ...	179·2	67·0	31	14	14
September ...	227·0	60·0	16	15	15
October ...	146·0	37·0	18	12	12
November ...	7·0	4·0	13	2	2
December ...	0·0	0·0	—	—	—
Total ...	1191·9	—	—	72	72

Khartoum (Irrigation Office).

φ=15° 37′ N. λ=32° 33′ E. h=380 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	0·0	0·0	—	—	—
June	26·0	16·7	28	2	2
July	0·0	0·0	—	—	—
August... ...	20·7	13·8	25	3	3
September ...	20·7	11·2	3	2	2
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	67·4	—	—	7	7

Geteina (White Nile).

φ=14° 49′ N. λ=32° 23′ E. h=380 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	0·0	0·0	—	—	—
June	66·0	58·0	24	3	3
July	12·5	12·5	1	1	1
August... ...	23·2	13·5	25	7	5
September ...	4·0	4·0	4	1	1
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	105·7	—	—	12	10

Kawa (White Nile).

φ=13° 47′ N. λ=32° 31′ E. h=380 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	23·3	23·3	23	1	1
June	28·3	13·3	24	4	4
July	23·0	13·3	29	3	3
August... ...	117·1	40·2	25	9	8
September ...	43·5	21·0	3	4	4
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	229·2	—	—	21	20

Hellet Abbas (White Nile).

φ=13° 16′ N. λ=32° 45′ E. h=380 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	0·2	0·2	26	1	—
June	21·9	4·8	21	3	3
July	30·7	15·7	3	2	2
August... ...	60·3	14·0	5	9	9
September ...	61·8	24·0	16	6	6
October ...	9·0	9·0	24	1	1
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
Total ...	173·9	—	—	22	21

Rainfall Stations in the SUDAN (*continued*).

Kosti (Gedid District) (White Nile Basin).

φ=13° 10′ N. λ=32° 40′ E. h=380 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day. Amount	Maximum of one day. Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	20·0	8·0	17	4	4
June	30·4	28·0	28	2	2
July	37·0	15·0	3	6	6
August	87·0	18·0	5	9	9
September ...	34·0	12·0	24	7	7
October ...	3·0	3·0	27	1	1
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	211·4	—	—	29	29

Renk (White Nile).

φ=11° 45′ N. λ=32° 47′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	46·5	22·5	1	3	3
May	35·3	14·5	20	5	5
June	34·1	15·5	18	4	4
July	254·5	145·0	29	9	9
August ...	125·5	31·0	15	10	10
September ...	136·9	69·0	16	12	12
October ...	14·0	14·0	26	1	1
November ...	3·0	3·0	3	1	1
December ...	0·0	0·0	—	—	—
TOTAL ...	649·8	—	—	45	45

Melut (White Nile).

φ=10° 29′ N. λ=32° 11′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	8·2	4·4	2	3	3
May	89·3	37·3	22	4	4
June	98·3	51·6	14	9	9
July	138·8	46·2	21	9	9
August ...	121·8	25·6	24	12	12
September ...	242·4	68·5	5	10	10
October ...	46·5	25·4	10	6	6
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	745·3	—	—	53	53

Kodok (White Nile).

φ=9° 53′ N. λ=32° 7′ E. h=390 m. h_r=1·4 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	5·7	4·5	24	2	2
May	—	—	—	—	—
June	64·0	28·4	28	8	8
July	115·9	34·2	3	8	8
August ...	60·4	21·2	6	9	9
September ...	151·3	81·5	15	7	7
October ...	92·0	38·3	7	6	6
November ...	15·4	15·4	13	1	1
December ...	0·0	0·0	—	—	—
TOTAL ...	504·7	—	—	41	41

Malakal, Irrigation Office (White Nile).

φ=9° 35′ N. λ=31° 37′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	21·1	13·5	21	4	4
May	101·3	24·2	22	8	8
June	181·5	50·4	15	12	11
July	112·5	43·8	28	11	10
August ...	165·7	32·2	6	19	18
September ...	284·9	70·3	9	12	12
October ...	141·9	78·1	2	6	6
November ...	11·6	11·6	21	1	1
December ...	0·0	0·0	—	—	—
TOTAL ...	1020·5	—	—	73	70

Taufiqiya (White Nile).

φ=9° 26′ N. λ=31° 37′ E. h=390 m. h_r=1·3 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	5·5	5·0	27	2	1
May	49·2	15·0	15	7	7
June	163·2	54·5	6	10	10
July	57·0	16·0	21	6	6
August ...	164·0	39·0	7	9	9
September ...	163·4	43·0	2	6	5
October ...	218·5	62·5	23	8	8
November ...	21·9	18·0	21	3	3
December ...	0·0	0·0	—	—	—
TOTAL ...	842·7	—	—	51	49

Rainfall Stations in the SUDAN (*continued*).

Attigo (White Nile).

φ=9° 28′ N. λ=32° 3′ E. h=390 m. h_r=1·0 m

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0.0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	35·9	27·0	25	6	4
June	121·0	40·5	30	6	6
July	79·2	30·3	27	5	5
August ...	104·8	28·3	6	15	15
September ...	179·1	55·3	25	11	11
October ...	69·6	18·0	12	6	6
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	680·6	—	—	49	47

Bara (Kordofan).

φ=13° 42′ N. λ=30° 22′ E. h=490 m. h_r=1·1 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	22·5	20·0	23	2	2
June	11·5	5·0	28	3	3
July	31·0	14·0	3	3	3
August	101·0	44·0	27	4	4
September ...	64·0	34·0	2	4	4
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	230·0	—	—	16	16

Omdam (Kordofan).

φ=13° 40′ N. λ=30° 58′ E. h=460 m. h_r=1·7 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	4·3	4·3	23	1	1
June	4·5	4·5	27	1	1
July	26·3	12·1	1	3	3
August	73·3	33·2	11	5	5
September ...	46·3	30·3	2	3	3
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	154·7	—	—	13	13

El Obeid District (Kordofan).

φ=13° 11′ N. λ=30° 4′ E. h=590 m. h_r=1·3 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	Closed.				
May					
June					
July					
August ...					
September ...					
October ...					
November ...					
December ...					
TOTAL ...	—	—	—	—	—

Om Rowaba (Kordofan).

φ=12° 54′ N. λ=31° 17′ E. h=450 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0.0	0·0	—	—	—
May	7·5	4·5	19	2	2
June	29·0	15·0	5	3	3
July	103·5	62·0	31	5	5
August	160·0	75·0	10	7	7
September ...	26·0	26·0	4	1	1
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	326·0	—	—	18	18

El Nahud (Kordofan).

φ=12° 44′ N. λ=28° 25′ E. h=600 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	3·0	3·0	3	1	1
May	55·0	26·5	22	4	4
June	48·7	16·0	30	6	6
July	120·0	47·0	25	7	7
August ...	101·5	64·0	33	4	4
September ...	120·0	36·0	2	7	7
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	448·2	—	—	29	29

Rainfall Stations in the SUDAN (*continued*).

El Rahad (Kordofan).

φ=12° 43′ N. λ=30° 39′ E. h=500 m. h_r=1·0m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	0·0	0·0	—	—	—
May	22·8	12·5	22	2	2
June	39·5	22·5	26	4	4
July	92·4	41·1	8	4	4
August... ...	118·3	71·0	11	9	9
September ...	45·5	24·0	3	8	7
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	318·5	—	—	27	26

Tagalle (Kordofan).

φ=12° 6′ N. λ=31° 15′ E. h=580 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥ 0·1 (mm. of rain)	Days with ≥ 1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·6	0·0	—	—	—
April	0·0	0·0	—	—	—
May	53·3	17·0	27	5	5
June	28·2	9·8	22	5	5
July	55·9	13·0	28	7	7
August ...	233·2	61·0	9	15	15
September ...	126·5	46·5	3	9	9
October ...	68·4	24·0	17	5	5
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	565·5	—	—	46	46

Dilling (Kordofan).

φ=12° 2 N. λ=29° 38′ E. h=600 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥ 0·1 (mm. of rain)	Days with ≥ 1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	13·5	13·5	2	1	1
May	49·4	30·8	21	3	3
June	209·7	54·5	27	6	6
July	139·2	37·0	21	8	8
August ...	171·0	46·0	15	8	8
September ...	111·0	26·0	15	8	8
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	693·8	—	—	34	34

Taludi (Kordofan).

φ=10° 39′ N. λ=30° 24′ E. h=1100 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·4	0·4	31	1	—
April	83·2	83·0	3	2	1
May	81·0	53·2	22	5	5
June	204·0	54·0	26	10	9
July	77·8	21·5	29	8	8
August ...	160·0	32·6	14	12	11
September ...	230·7	52·7	14	17	16
October ...	101·7	31·5	4	8	7
November ...	2·7	2·0	3	2	1
December ...	0·0	0·0	—	—	—
TOTAL ...	941·5	—	—	65	58

El Fasher (Kordofan).

φ=13°32′ N. λ=25° 18′ E.h = m. h_r= m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	Commenced April 22, 1917.				
February ...					
March					
April					
May	1·3	1·3	17	1	1
June	17·0	17·0	28	1	1
July	78·0	60·0	28	3	3
August... ...	63·2	12·5	21	10	10
September ...	25·0	22·3	4	4	2
October ...	0·0	0·0	—	—	—
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	*184·5*	—	—	*19*	*17*

Abwong (R. Sobat).

φ=9° 7 N. λ=32° 42′ E. h=390 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	—	—	...	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	53·1	24·0	30	4	4
May	91.6	36·1	27	7	7
June	129·4	38·5	28	11	11
July	106·2	25·0	29	10	10
August ...	162·9	74·5	7	8	8
September ...	123·1	25·2	5	14	14
October ...	92·0	39·0	19	4	4
November ...	—	—	—	—	—
December ...	—	—	—	—	—
TOTAL ...	*758·3*	—	—	*58*	*58*

Rainfall Stations in the SUDAN (*continued*).

Akobo Post (R. Akobo R. Sobat).

φ=7° 48′ N. λ=33° 3′ E. h= ? m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	2·8	2·8	11	1	1
February ...	0·5	0·5	23	1	—
March	0·0	0·0	—	—	—
April	169·0	57·7	3	10	6
May	155·9	47·4	28	11	8
June	106·9	37·5	25	11	7
July	196·6	92·0	1	12	10
August ...	277·8	58·1	12	15	11
September ..	418·4	123·0	23	17	13
October ..	30·7	14·7	22	6	3
November ...	5·5	5·5	2	1	1
December ...	0·0	0·0	—	—	—
TOTAL ...	1364·1	—	—	85	60

Fort Bruce (R. Pibor R. Sobat).

φ=6° 50′ N. λ=33° 8′ E h= ? m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·7	0·7	15	1	—
February ...	0·0	0·0	—	—	—
March	16·9	16·5	31	2	1
April	78·0	27·5	28	12	7
May	116·8	39·0	30	12	9
June	174·8	91·0	25	8	6
July	176·7	79·0	13	12	12
August... ...	272·0	78·5	7	13	13
September ...	174·0	51·0	16	13	12
October ...	189·2	94·0	11	13	12
November ...	0·0	0·0	—	—	—
December ...	3·8	3·8	29	1	1
TOTAL ...	1202·9	—	—	87	73

Raga (Bahr el Ghazal).

φ=8° 27′ N. λ=25° 47′ E. h=460 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	8·0	8·0	29	1	1
April	94·0	31·0	30	9	9
May	150·0	58·5	27	6	6
June	143·4	35·0	5	8	8
July	250·6	45·0	31	12	12
August... ...	145·4	38·5	3	8	8
September ...	183·8	45·6	29	9	9
October ...	31·0	24·0	24	2	2
November ...	12·0	12·0	12	1	1
December ...	25·0	13·0	18	2	2
TOTAL ...	1043·2	—	—	58	58

Meshra el Rek (Bahr el Ghazal).

φ=8° 27′ N. λ=29° 16′ E. h=390 m. h_r=1·6 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	22·9	15·3	2	3	3
May	60·5	42·5	24	5	4
June	86·9	32·5	25	6	6
July	61·2	25·0	19	5	5
August... ...	267·5	75·8	24	13	13
September ...	180·9	76·8	17	9	9
October ...	153·6	66·5	3	6	6
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	833·5	—	—	47	46

Deim Zubeir (Bahr el Ghazal).

φ=7° 43′ N. λ=26° 17′ E. h=360 m. h_r 1·1 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	84·0	20·0	9, 12	5	5
May	88·8	25·0	28	7	7
June	113·4	56·0	6	5	5
July	192·7	70·0	31	8	8
August... ...	140·1	44·5	24	9	9
September ...	101·5	23·0	6, 15	10	10
October ...	61·0	23·5	8	9	9
November ...	10·0	10·0	4	1	1
December ...	0.0	0·0	—	—	—
TOTAL ...	791·5	—	—	54	54

Rumbek (Bahr el Ghazal).

φ=6° 49′ N. λ=29° 39′ E. h=460 m. h_r=1·2 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	34·0	19·0	14	2	2
March	0·0	0·0	—	—	—
April	84·0	30·0	26	10	10
May	157·0	42·3	27	10	10
June	142·1	58·3	13	10	10
July	295·1	76·4	7	10	10
August... ...	164·1	29·5	10	12	12
September ...	209·5	41·2	4	14	13
October ...	23·8	7·6	30	7	6
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	1109·6	—	—	75	73

Rainfall Stations in the SUDAN (*continued*).

Ghaba Shambe (Bahr el Jebel).

φ=7° 7′ N. λ=30° 46′ E. h=410 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	45·0	35·0	29	2	2
April	67·0	52·0	29	2	2
May	0·0	0·0	—	—	—
June	242·0	40·0	17	14	14
July	44·0	30·0	5	3	3
August... ...	174·0	42·0	9	10	10
September ...	288·0	70·0	5	11	11
October ...	255·0	40·0	19	12	12
November ...	32·0	22·0	1	2	2
December ...	0·0	0·0	—	—	—
TOTAL ...	1147·0	—	—	56	56

Bor (Bahr el Jebel).

φ=6° 12′ N. λ=31° 33′ E. h=420 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	8·4	7·4	13	2	2
March	43·4	29·5	30	3	3
April	93·5	40·0	28	5	5
May	89·1	23·0	18	8	8
June	237·5	118·0	18	8	8
July	141·5	45·0	6	9	9
August... ...	257·3	46·0	26	13	13
September ...	515·5	155·0	28	13	13
October ...	265·5	114·0	14	7	7
November ...	0·0	0·0	—	—	—
December ...	0·0	0·0	—	—	—
TOTAL ...	1051·7	—	—	68	68

Tombé (Bahr el Jebel).

φ=5° 49′ N. λ=31° 38′ E. h=430 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	14·0	9·0	12	2	2
March	18·0	16·0	29	2	2
April	90·4	53·0	18	6	6
May	144·2	40·6	27	7	7
June	128·8	30·6	14	9	8
July	85·6	26·0	29	5	4
August... ...	80·8	18·3	7	9	9
September ...	152·6	29·0	15	10	10
October ...	108·7	44·4	3	5	5
November ...	0·0	0·0	—	—	—
December ...	2·4	2·4	11	1	1
TOTAL ...	825·5	—	—	56	54

Rejaf (Bahr el Jebel).

φ=4° 45′ N. λ=31° 36′ E. h=460 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	8·5	8·5	13	1	1
March	1[illegible]·0	8·5	30	2	2
April	111·0	32·0	14	9	9
May	133·4	81·0	16	6	6
June	87·8	25·0	27	9	8
July	71·0	24·0	16	8	8
August... ...	102·0	35·0	26	13	13
September ...	218·0	74·0	4	9	9
October ...	92·0	15·0	10	10	10
November ...	7·5	7·5	2	1	1
December ...	0·0	0·0	—	—	—
TOTAL ...	844·2	—	—	68	67

Yei (Bahr el Jebel Basin).

φ=4° 7′N. λ=30° 40′ E. h=? m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	5·0	5·0	20	1	1
February ...	38·0	22·0	16	3	3
March	20·0	11·0	31	4	4
April	215·0	50·0	30	15	15
May	163·0	35·5	21	12	12
June	121·5	32·0	6	11	11
July	92·5	30·0	5	8	8
August ...	98·5	16·0	14	13	13
September ...	218·5	53·5	26	15	15
October ...	251·1	32·0	30	19	19
November ...	6·0	3·0	2	4	4
December ...	4·0	4·0	16	1	1
TOTAL ...	1233·1	—	—	106	106

Kajo Kaji (Bahr el Jebel).

φ=3° 54′ N. λ=31° 40′ E. h=? m. h_r=? m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	0·0	0·0	—	—	—
February ...	0·0	0·0	—	—	—
March	0·0	0·0	—	—	—
April	252·5	72·0	27	18	18
May	100·5	44·0	29	8	8
June	226·0	63·0	2	13	13
July	87·0	33·0	29	6	6
August... ...	268·5	62·0	26	12	12
September ...	245·5	41·0	29	14	14
October ...	548·0	75·0	10	20	20
November ...	17·0	17·0	1	1	1
December ...	27·0	10·0	9, 13	3	3
TOTAL ...	1272·0	—	—	95	95

Nimule (Bahr el Jebel).

φ=3° 38′ N. λ=32° 3′ E. h=620 m. h_r=0·3 m.

MONTH	RAINFALL mm.			DAYS WITH	
	TOTAL	Maximum of one day		≥0·1	≥1·0
		Amount	Date	mm. of rain	
1917					
January ...	0·0	—	—	—	—
February ...	58·5	23·5	14	8	8
March	9·0	8·0	21	2	2
April	276·2	85·0	13	18	16
May	177·7	47·1	1	17	15
June	122·3	53·0	6	9	9
July	66·1	23·0	30	9	8
August	118·2	83·0	20	10	10
September ...	63·8	27·5	26	8	7
October ...	173·1	46·5	22	15	15
November ...	9·5	5·5	2	2	2
December ...	0·0	0·0	—	—	—
TOTAL ...	1074·4	—	—	98	92

Rainfall Stations in ABYSSINIA.

Adis Ababa (Bank of Abyssinia).

φ=9° 2′ N. λ=38° 45′ E. h=2440 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	28·2	19·6	3	8	4
February ...	39·4	14·2	12	8	5
March	10·0	6·6	15	5	2
April	114·7	25·9	18	23	16
May	193·0	41·4	24	16	12
June	279·0	47·2	4	28	23
July	281·0	40·0	9	30	27
August... ...	287·4	46·0	11	30	29
September ...	270·1	27·1	23	27	25
October ...	52·8	20·2	1	6	6
November ...	0·0	0·0	—	—	—
December ...	34·3	28·3	13	4	2
TOTAL ...	1590·7	—	—	183	151

Goré.

φ=8° 10′ N. λ=35°38′ E. h=2130 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ..	22·7	14·1	2	3	3
February ..	30·2	12·4	5	4	4
March	24·9	15·6	20	3	3
April	18·3	9·7	28	3	3
May	231·6	29·1	20	20	20
June	232·0	28·5	15	22	22
July	126·0	19·4	17	22	22
August... ...	227·4	31·2	21	23	22
September ...	259·0	43·7	29	25	24
October ...	165·0	24·4	11	18	18
November ...	50·0	23·8	21	3	3
December ...	62·1	21·3	19	6	6
TOTAL ...	1450·1	—	—	152	150

Adami Tullu (Lake Zwai).

φ=8° 0′ N. λ=39° 0′ E. h=1650 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	24·8	12·4	1	6	3
February ...	26·6	14·8	14	5	5
March	20·6	8·6	10	5	4
April	92·8	22·3	7	17	11
May	175·5	55·6	1	13	12
June	79·2	20·2	14	9	8
July	113·4	23·8	17	17	12
August... ...	176·4	25·8	10	20	14
September ...	145·2	22·7	11	23	16
October ...	5·5	2·5	2	3	3
November ...	0·4	0·4	8	1	—
December ...	0·0	0·0	—	—	—
TOTAL ...	860·4	—	—	119	88

Saiyo.

φ=7° 55′ N. λ=36° 36′ E. h=2300 m. h_r=1·0 m.

MONTH	RAINFALL mm. Total	Maximum of one day Amount	Maximum of one day Date	Days with ≥0·1 (mm. of rain)	Days with ≥1·0 (mm. of rain)
1917					
January ...	4·1	4·1	10	1	1
February ...	27·3	15·2	23	2	2
March	39·7	15·1	30	4	4
April	51·9	15·2	15	6	6
May	131·5	16·4	12	12	12
June	107·1	15·2	21	11	11
July	101·1	15·3	27	11	11
August... ...	133·9	16·2	15	12	12
September ...	99·6	15·1	7,20	11	11
October ...	10·3	4·1	4,23	3	3
November ...	15·2	15·2	13	1	1
December ...	32·6	15·2	28	4	4
TOTAL ...	754·3	—	—	78	78

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