GOVERNMENT OF IRAQ

MINISTRY OF COMMUNICATIONS AND WORKS

METEOROLOGICAL SERVICE

CLIMATOLOGICAL MEANS

FOR

IRAQ.

Publication No. 9

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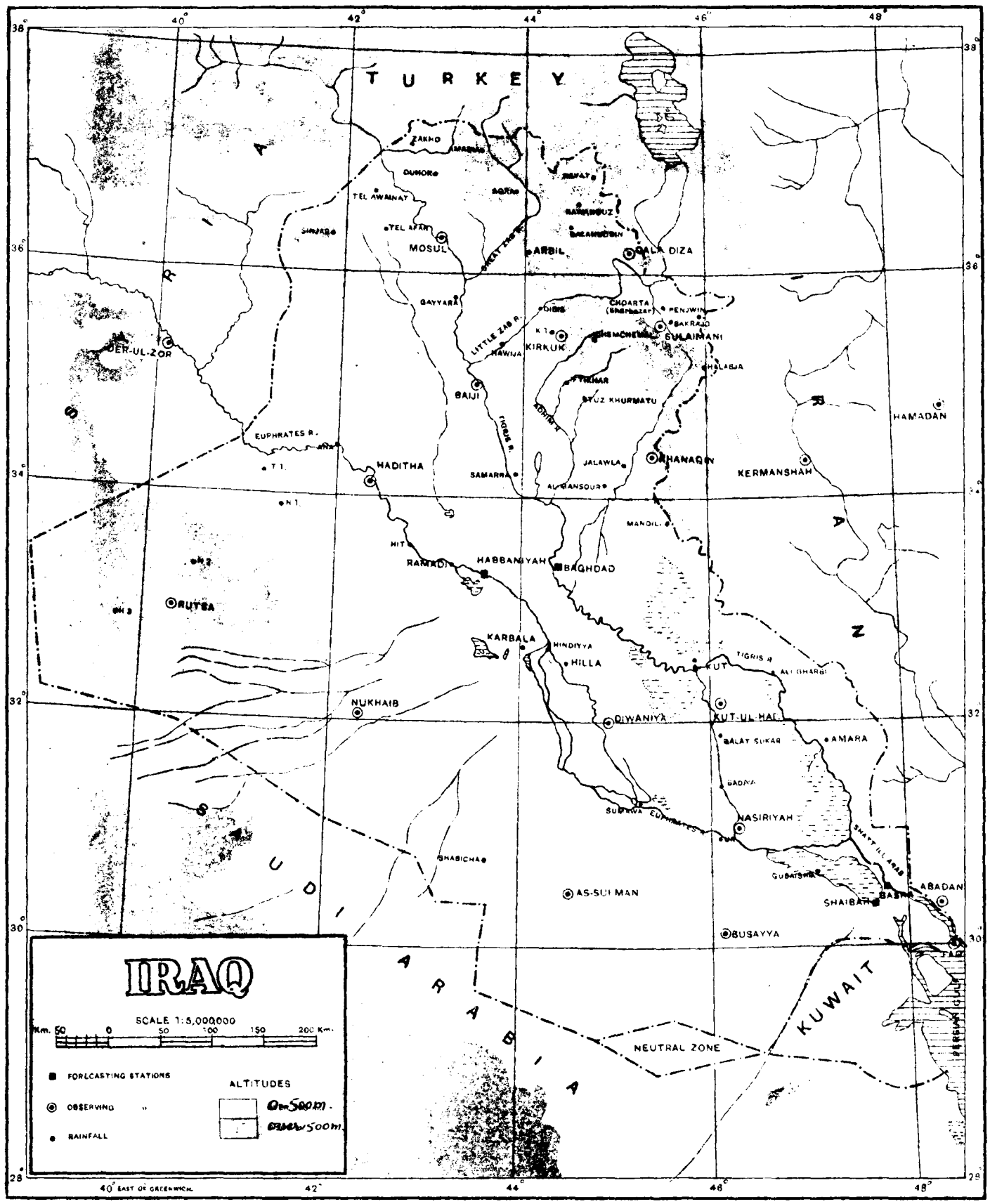
MAP SHOWING ALL METEOROLOGICAL STATIONS.

Not all Stations shewn are meteorological stations.



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CLIMATOLOGICAL MEANS.

CLIMATOLOGICAL MEANS FOR IRAQ.

I — INTRODUCTION

Climatological data for Iraq are summarised in the "Climate and Weather of Iraq", published by the short-lived Weather Bureau, Baghdad, and printed at the Government Press in 1919, and also in the Occasional Publications, Numbers 1 and 3, of the Iraq Meteorological Service. Such data may also be found scattered throughout a number of publications of the Meteorological Office, London, of the India Meteorological Department, and of others, including "Die Temperaturverhältnisse der Turkei," by Dr. Peregrin Zistler, Leipzig, 1929, "The Irrigation of Mesopotamia" by Sir Willcocks, London, 1917, and the British Admiralty Intelligence Handbook of Mesopotamia, 1916, in 1942 a publication No. 7 was printed containing climatological means for Iraq for a period ranging for different years for various stations up to 1941.

The present publication is intended to make available to those interested the most up-to-date data concerning the climate of Iraq. For the derivation of satisfactory climatological means a long series of homogeneous meteorological observations made under standard conditions is necessary. Such a series of observations for any station in Iraq is not available. The longest series of observations available is that for Baghdad from 1888 to 1918, discussed in the "Climate and Weather of Iraq" but this suffers from the defect that observations were made under different conditions at different periods. Merits of the observations on which the data from the year 1923 onwards, now published, are based are that they are homogenous and that they were made under the supervision of professional meteorologists resident in the country. For completeness and comparison some of the data given in the "Climate and Weather of Iraq", for Babylon, Baghdad, Basrah and Mosul, are reproduced in this volume and some description of the different conditions under which these and more recent data were obtained may be considered desirable.

The data for Baghdad and Basra discussed in the "Climate and Weather of Iraq" were obtained under the aegis of the India Meteorological Department which maintained observing stations at Baghdad from 1888 to 1918 and at Basra from 1900 to 1918. The observations were made in accordance with the current practice of that department at that time, involving the exposure of thermometers in a cage some four feet above the ground in a shed with open sides and a large thatched roof. The observations at Babylon were made by a German archæological mission working there from 1908 to 1913 but no details are available as to the conditions of exposure of the instruments and this also holds for the observations made at Mosul from 1908 to 1914, by the German Consul there.

From 1923 onwards a number of meteorological observatories were established in Iraq by meteorological officers of the Air Ministry, London, and since 1936, when the Iraq Meteorological Service came into being, an additional number of similar observatories, following the same practice, have been set up. All Meteorological work in Iraq since 1923, apart from that at rainfall-observing stations, has been based on the practice observed by the Meteorological Office, London, and defined in "The Meteorological Observer's Handbook" published by H.M. Stationery Office, London, although hours of observation differ from those in Great Britain. Observations at rainfall-observing stations were made under a variety of conditions up to the year 1936 but since then they have been made under the standard instructions of the Iraq Meteorological Service.

A list of references to publications containing climatological data for Iraq is given on page V. This list is not exhaustive.

II — LIST OF OBSERVING STATIONS.

Existing meteorological stations in Iraq may be divided into three categories:—

(1) Meteorological Observatories, manned by full-time staff, making surface and upper wind observations.

(2) Meteorological reporting stations, manned by part-time observers, making surface observations at 0300,0600 and at 1200 hours G.M.T These hours became standard only in 1928 so that only from that year onwards it is possible to give data for fixed hours of observations.

(3) Rainfall Stations, manned by part-time observers making one observation per day of the amount of rainfall.

Below is given a list of the stations referred to in this publication, both the administrative authority and the meteorological authority, responsible for the station being denoted by means of the initials specified as follows:—

Ag.	: Director General of Agriculture, Iraq Government.
D.I.M.S.	: Director, Iraq Meteorological Service.
D.M.O.	: Director, Meteorological Office, London.
I.P.C.	: Manager, Iraq Petroleum Company, Baghdad.
I.R.	: Director-General, Iraq State Railways.
Irr.	: Director-General, Irrigation Department, Iraq Government.
K.O.C.	: Manager, Khanaqin Oil Company, Khanaqin.
P.	: Director-General of Police, Iraq Government.
P.D.	: Port Director and Director General of Navigation, Basra.
P. & T.	: Director-General, Posts and Telegraphs Department, Iraq Government

1—Meteorological Observatories.

Observatory.	Years of Observation.	Latitude N.	Longitude E.	Height above M.S.L. (metres)	Authorities.
Baghdad Airport ...	1937—1947	33° 20′	44° 24′	34.1	D.I.M.S
Basra Airport ...	1937—1947	30° 34′	47° 47′	2.4	P.D.;D.I.M.S.
Diwaniya ...	1928—1939	31° 59′	44° 59′	20.4	D.M.O.
Diwaniya ...	1939—1947	31° 59′	44° 59′	20.4	D.I.M.S.
Habbaniya ...	1937—1947	33° 22′	43° 34′	43.6	D.M.O.
Hinaidi ...	1923—1937	33° 17′	44° 29′	32.0	D.M.O.
Kirkuk ...	1938—1947	35° 28′	44° 24′	330.8	D.I.M.S.
Kut al Hai ..	1940—1947	32° 10′	46° 03′	14.9	D.I.M.S.
Mosul ...	1923—1947	36° 19′	43° 09′	222.6	D.M.O.;D.I.M.S.
Nasiriya ...	1940—1947	31° 01′	46° 14′	3,0	D.I.M.S.
Ramadi ...	1923—1927 1932—1936	33° 25′	43° 17′	48.7	D.M.O.
Rutba ..	1928—1947	33° 02′	40° 17′	615.5	D.M.O.;D.I.M.S.
Shaiba ...	1923—1947	30° 25′	47° 39′	18.3	D.M.O.

2—Meteorological Observing Stations.

Station.	Period of Observations.	Latitude N.	Longitude E.	Height above M.S.L. (metres)	Authorities.
Baij ...	1938—1947	34° 55′	43° 25′	143.3	I.P.C.;D.I.M.S.
Khanaqin ...	1939—1947	34° 18′	45° 26′	201.2	K.O.C.;D.I.M.S.
Haditha ..	1937—1943	34° 04′	42° 22′	140.2	I.P.C.;D.I.M.S.
As-Salman .	1939—1943	30° 28′	44° 43′	201.8	P.;D.I.M.S.

3—Rainfall Observing Stations.

The list of rainfall observing stations with details of their latitude, longitude, etc... is given on pages 43—44 along with the rainfall means.

4—Meteorological Stations referred to in the "Climate and weather of Iraq."

Station	Years of Observation.	Laifiude N.	Longiude E.	Heigct above M.S.L. (metres)	Authorities.
Babylon ...	1908—1913	32° 30′	44° 20′	30.5	German
Baghdad ..	1888—1918	33° 21′	44° 26′	36.4	India Met. Dept.
Basra ...	1900—1918	30° 25′	47° 50′	3,1	India Met. Dept.
Mosul ...	1908—1914	36° 22′	43° 14′	298.6	German

III – EXPLANATION OF TABLES.

(1) For the meteorological observatories and observing stations specified in sections 1 and 2 of the list on page ii.

(*a*) Mean values of temperature, pressure, relative humidity, vapour pressure, low cloud amount and total cloud amount at each of the hours 0200,0600 and 1300 G.M.T. (0500,0900 and 1600 hours L.S.T.) are given for each month and for the year, together with the means of these three values. From August 1944 the time of observations were changed from 0200 G.M.T. to 0300 G.M.T. and from 1300 G.M.T. to 1200 G.M.T.

(*b*) Mean daily maximum and minimum temperatures together with extreme high and low values of maximum and Minimum temperature are also given, the dates of the latter being shown by the day and year relevant to each month.

(*c*) The average number of days with winds from specified directions for each of the hours 0300,0600 and 1200 G.M.T., for each month and for the year is given in the section of the table devoted to wind, the column headed "c" specifying the number of calm days and the column headed "Vm" specifying the mean wind speed from all directions in miles per hour.

(*d*) The mean monthly rainfall in millimetres, the maximum rainfall in 24 hours with the date or dates of its occurrence, and the mean number of days with at least 1 mm. and at least 10 mms. are given in the section of the tables devoted to rainfall.

(*e*) The section of the tables headed "Mean Number of Days" gives the average number of days when the phenomena specified occurred at any time of day. The last two columns of this section give respectively the frequency of winds not less than force 6 and not less than force 8 on the Beaufort Scale of wind force. At a height of 10 metres above the ground force 6 equals the range of velocity 25 to 31 m.p.h. and force 8, the range 39 to 46 m.p.h.

A day of rain is one on which total rainfall is 0.2 mms or more.

Days of fog or dust are those on which the range of vision is less than 1000 metres at any time of the day, due to suspended particles of water in the case of fog, and of dust in the other case.

Clear days are those on which the average cloud amount at 0300,0600 and 1200 hours, G.M.T. is 1 or 2 tenths, and cloudy days are those on which the average cloud amount is 8, 9 or 10 tenths.

Method of observation and units. As regards methods of observation and units employed, reference should be made to "The Meteorological Observer's Handbook." but the following brief summary is given for convenience:—

Temperature is observed in degrees Fahrenheit, the thermometers used being according to Meteorological Office specification and their exposure being at approximately 1.3 metres above ground, in a Stevenson (louvred) screen situated on an open site such that any buildings are not closer to the screen than a distance equal to twice their height. Since 16 March 1941, instructions have been in force prohibiting the irrigation of Meteorological enclosures at stations of the Iraq Meteorological Service.

Pressure is observed in millibars by means of the standard Kew pattern barometers used by the Meteorological Office, London. After applying the usual corrections to reduce the readings to the standard latitude of 45° and to a standard temperature of 285° A., the observed pressures are reduced to mean sea level and the data given in these tables refer to that level. For a high level station such as Rutba the values of sea level pressure so obtained are liable to be considerably in error.

Relative humidity and vapour pressure are expressed as a percentage and in millibars respectively. They are obtained from readings of the dry-bulb and wet-bulb thermometers by the use of "Hygrometric Tables," M.O. 265, of the Meteorological Office, published by the Stationery Office, London, 1931.

The cloud amount is observed by estimation and is expressed in tenths of sky covered, in the usual manner.

Wind observations were made by means of Dines pressure-tube anemometers at Baghdad, Basra, Habbaniya, Hinaidi, Mosul and Shaiba, and by cup-anemometers and wind vanes at other stations. Wind directions are observed with reference to the 32 points of the compass but for the purpose of these tables winds from directions adjacent to those specified in the tables were credited to the latter. Winds from directions exactly mid-way between two specified points in the tables were credited a half to one and the remaining half to the other of these two specified points. Only winds of 0 mph were taken as calms.

Rainfall is observed in millimetres by means of the standard pattern 8-inch raingauge of the Meteorological Office, London, which is exposed in accordance with the instructions of the latter. It is to be noted that the height of the meteorological stations in these tables is the height of the ground on which the rain-gauge stands.

(2) For the India meteorological Department stations of Baghdad and Basra, are given for each month and for the year only:—

(*a*) the mean daily temperature taken as the mean of the maximum and minimum, the mean daily maximum and the mean daily minimum temperatures, the extreme maximum temperature and the extreme minimum temperature.

(*b*) the mean pressure at station level and not reduced to the standard latitude of 45°. In the tables it is indicated that the pressures were observed at 0500 hours G.M.T. (0800 hours L.S.T.) but in fact the time of observation varied from 0400 hours G.M.T. to 0500 hours G.M.T

(*c*) the mean relative humidity, the mean total cloud amount and the average number of days of winds from specified directions. The times of observation of these elements also varied from 0400 hours to 0500 hours G.M.T.

(*d*) the mean monthly rainfall in millimetres and the maximum fall in 24 hours each month.

(*e*) the mean number of days of rain, thunder and fog.

The units in which these data are given are the same as those employed in the other tables of this volume, conversions from the units employed in the "Climate and Weather of Iraq" having been made where necessary.

The value of these data, relative to those obtained after 1923 doubtful, in view of lack of homogeneity.

Data for the meteorological stations at Mosul and Babylon, maintained by Germans are similar to these for the India Meteorological Department stations at Baghdad and Basrah apart from certain ommissions which will be obvious. There is a curious lack of agreement between Zistler (loc. cit.) and Normand ("Climate & Weather of Iraq") as to both the period covered by the observations and the times of day when they were made Zistler refers to the years 1907 to 1912, Normand to the years 1908 to 1913.

Zistler refers to the hours of observations as 7 a.m., 2 p.m. and 9 p.m. Normand to the hours 8 a.m. 2 p.m. and 7 p.m. Presumably these hours refer to Local Standard Time. In the tables data copied from Zistler are marked by his interpretation of the times of observation and data copied from the "Climate and Weather of Iraq" are marked by Normand's interpretation of the times of observation. It is impossible in the present state of communications to refer to the original authority given by Zistler.

(3) *Rainfall.*—

The table on page 43 sets out the mean monthly rainfall at a number of stations for each of the eight months from October to May inclusive and also the mean seasonal rainfall, the rainy season being the period covered by these eight months. The data are based on the 5-13 seasons' observations from 1935-36 to 1947-48 inclusive.

Arbil:

No observations of rainfall for each of January, February & March 1939 were available and estimates based on isohyetal charts were used to complete the series from October 1935 to May 1940.

Baghdad:

Rainfall observations at Hinaidi up to 1937 and at Baghdad Airport from 1937 to 1940 were combined to give the series of data from 1935 to 1948.

Baiji:

Rainfall observations at a place lat. 34° 55′N., long. 43° 25′E were combined with those at the station lat. 34° 56′N long. 43° 29′E, the difference in altitude being 28 metres, to complete the series.

Dibis, H—1, Haditha and T—1.

Observations for October, November and December, 1935 are missing but estimates based on isohyetal charts were used to complete the series.

Kirkuk:

Observations at the two stations: (*a*) lat. 35° 31′N long. 44° 19′ E. height 331 metres and (*b*) lat. 35° 31′ N long. 44°18′ E. height 305 metres were combined to complete the series.

Margil.

The series of data refers to two stations whose geographical coordinates and heights are identical.

For all other stations a complete series of observations was available but the values of rainfall at Amadia and Halabja are regarded with suspicion.

For further details of rainfall reference should be made to "Rainfall in Iraq" Occasional Publication No. 3 of the Iraq Meteorological Service. Baghdad, 1940.

IV — NOTES ON STATIONS.

Diwaniya :

It will be seen that there are two sets of tables for Diwaniya. The explanation of this is that when the Iraq Meteorological Service took over the Air Ministry (D.M.O.) station at Diwaniya in 1939 there was a slight change of site, which was too small to show up in the geographical coordinates.

Mosul and Rutba :

The Air Ministry (D.M.O.) stations at these places were taken over by the Iraq Meteorological Service without interruption of their work so that an unbroken series of data is available from the time of establishment of the stations.

Hinaidi and Habbaniya :

The station at Hinaidi was closed in 1937 and that at Habbaniya opened when the Air Headquarters of the Royal Air Force in Iraq was transferred from the former to the latter.

V — CLIMATOLOGICAL ATLAS.

A climatological atlas, based on the data contained in Publication No. 7 "Climatological Means" was printed in 1945. It is intended to publish a new Climatological Atlas based on the data contained in this publication in the near future.

VI — ACKNOWLEDGEMENTS.

It is desired to acknowledge with gratitude the permission of the Director, Meteorological Office, London, to reproduce data for stations in Iraq kindly supplied by the Senior Meteorological Officer, Royal Air Force, Habbaniya. It is also desired to record thanks to the Director General of Observatories, Poona, India for supplying data and particulars of the stations at Baghdad and Basrah, previously maintained by his department. The Director General is Dr. C. W. B. Normand, C.S.I., sometime Director of the Baghdad Weather Bureau, and author of the "Climate and Weather of Iraq" and thanks are also due to him personally for permission to reproduce data given in that publication.

It is also desired gratefully to acknowledge the helpfulness of the authorities, indicated in the list on page i, in agreeing to encourage the maintenance of meteorological observations by their staff, at part-time observing and rainfall-reporting stations.

TOUFIQ FATTAH.
DIRECTOR.

METEOROLOGICAL SERVICE,
AIRPORT
BAGHDAD. 1—2—1949.

REFERENCES TO CLIMATOLOGY OF IRAQ.

CLIMATE AND WEATHER OF IRAQ—Baghdad Weather Bureau, printed at the Government Press, Baghdad, 1919.

OCCASIONAL PUBLICATION No-1—"being Mean Monthly Temperatures and ....", Meteorological Service, Iraq, printed at the Government Press, Baghdad, 1939.

OCCASIONAL PUBLICATION No. 3—"Rainfall in Iraq, 1936—1939", Meteorological Service, Iraq, printed at the Government Press, Baghdad, 1940.

WILLCOCKS, SIR WILLIAM—"The Irrigation of Mesopotamia", 2nd Edition, E. and F. N. Spon, London, 1917.

Mesopotamia, Handbook of, Vol. I. I.D. 1118, Admiralty War Staff Intelligence Division, August, 1916.

NORMAND C. W. B.—"Meteorological Conditions Affecting Aviation in Mesopotamia" Quarterly Journal, Royal Meteorological Society, London, 45, October 1919.

"The Effect of High Temperature, Humidity and Wind on the Human Body." Quarterly Journal, Royal Meteorological Society, Vol. XLVI, January, 1920.

LYNCH, H.F.B.—"Severe Winter in Mesopotamia". Quarterly Journal. Royal Meteorological Society, Vol. XXXII, 1906 page 198.

ZISTLER, DR. PERGERIN—"Die Temperaturverhältnisse der Turkei." Leipzig, 1929.

Note.—This author quotes the following additional references:—

UHLIG—Mesopotamian Sonderabdruk. a.d. Zeitschr. d. Ges. F. Erdk. Berlin, 1917 Nr. 6, 7 and 8.

RIDPATH—Notes on the Climate of Mesopotamia. Symons Met. Magazine, 1919, pages 90 and 107.

HORNER—"The Climate of Mesopotamia", Symons Met. Magazine 1919, page 103.

METEOROLOGISCHE ZEITSCHRIFT—1912 pages 30 and 346, and 1914 page 448.

GROTHE, HUGO—Geographische Charakterbilder aus der asiatischen Turkei und den sudlichen mesopotamischiranischen Randgebirge, Leipzig, 1909.

NAAB—Das Klima von Diarbekir am Tigris, Beitr. z. Kenntnis d. Orients VI, Halle, 1908.

BANSE—Fünf Landschaftstypen aus dem Orient. Geographische Zeitschrift, 1908.

BABYLON (German) 1908-1913 LATITUDE 32° 30′ N LONGITUDE 44° 20′ E

TEMPERATURE—in Degrees Fahrenheit.

MONTH	Mean G. M. T.			Mean * Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Date
January				56.5	57.2	36.9	75.4						20.8	
February				63,5	66.7	42.1	81.7						25.9	
March				73.3	75.4	48.7	95.7						32,9	
April				83.2	85,6	58.8	105.3						41.7	
May				93.5	97.7	68.7	114 1						57.7	
June				99.2	106.3	72.7	120.7						61.3	
July				101.7	110 5	75.4	119.3						60.1	
August				102.2	110.7	74.5	121.3						63.0	
September				97.1	105.8	69,4	116.1						57.2	
October				81 3	93.0	61 4	104.4						46.0	
November				71.5	75.7	47.8	90.9						27.1	
December				60.9	62.4	39.4	80.8						18.9	
Year				88,8	87.2	57.9	121 3						18.9	
Min. No. of years				5	5	5	5						5	

MONTH	Mean Pressure Millibars G. M. T. 02	06	18	Mean	Mean Relative Humidity Per Cent G. M. T. 04	11	18	Mean of day	Mean Vapour Pressure Millibars G. M. T. 02	06	18	Mean	Mean Low Cloud Amount Tenths G. M. T. 02	06	18	Mean
January					84	48	69	67								
February					73	39	54	55								
March					66	30	46	47								
April					58	25	41	41								
May					47	22	34	34								
June					36	17	26	26								
July					33	13	23	23								
August					32	13	22	22								
September					38	13	24	25								
October					49	21	34	35								
November					68	34	50	51								
December					83	48	67	66								
Year					55	27	40	41								
Min. No. of years					5	5	5	5								

* Max. & Min.

ABYLON (German) 1908–1913 HEIGHT ABOVE M. S. L. 30.4 m.

WIND—Average Frequency from Specified Directions

Wind at 0500, 1100 & 1600 G. M T.									0600 G. M. T.										1300 G. M. T.									
NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	V
1.5	1.9	2.5	2.2	1.2	5.3	11.5	0.9																					
1.1	2.0	5.6	1.7	1.7	4.5	5.6	0.6																					
1.9	2.2	5 3	2.8	1.5	4.0	8.1	0.6																					
2.4	2.1	3.9	2.1	1.8	3.9	7.8	0.9																					
1.9	2 2	2.8	2.5	1.5	4.7	8.4	0.6																					
0.6	0.6	0 9	0.6	0.6	4.8	14.1	0.6																					
0.3	0.3	0.3	0.3	0.6	5.9	17.7	0 6																					
0.6	0.3	0.9	0.3	0.3	6.5	16.1	1.2																					
1.8	0.6	0.9	0.9	1.2	5.1	12.9	1.8																					
2.2	1.5	3.1	1.9	1.5	3.7	9.6	1.5																					
1.5	1.5	3.6	0.9	1.5	5.4	10.8	1.5																					
1.2	1.2	3.7	2.2	0.9	5.6	10.9	1.5																					
17.0	16.4	33.5	18.4	14.3	59.4	133.5	12.3																					
5	5	5	5	5	5	5	5																					

Mean Total Cloud Amount Tenths				Rainfall in Millimetres					Mean Number of Days									
G. M T.		Mean of day	Mean	Max. Fall	Date	No. of Days with at least		Rain	Snow	Hail	Thunder	Fog	Dust	Clear	Cloudly	Wind Force N t less than	
06	13					1.0	100									6	8
		4.3	24.1					5			1						
		3.9	9.1					4			2						
		3.6	27.7					4			2						
		3.9	5.1					3			5						
		3.2	0.5					1			5						
		0.9	0.0					0			0						
		0.3	0.0					0			0						
		0.2	0.0					0			0						
		0.6	0.0					0			0						
		2.6	10.2					2			1						
		3.1	11 4					3			2						
		4.2	19.8					5			2						
		2.5	107.9					27			20						
		5	5					5			5						

BAGHDAD (I.M.D.) 1888-1918 LATITUDE 33° 21' N LONGITUDE 44 26 E

TEMPERATURE - in Degrees Fahrenheit.

MONTH	Mean G.M.T. 02	Mean G.M.T. 06	Mean G.M.T. 13	Mean ‡	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January				48.7	59.0	38.3	79.9						20.8	
February				54.0	65.2	42.8	84.8						27.7	
March				61.0	72.7	49.3	98.8						33.5	
April				70.3	82.6	58.1	107.7						43.8	
May				81.1	94.0	68.1	112.6						46.5	
June				90.1	104.3	75.8	119.2						62.8	
July				94.5	109.4	79.5	122.8						69.6	
August				94.5	110.4	78.5	121.0						68.9	
September				87.9	103.4	72.4	117.2						56.0	
October				77.7	92.3	63.0	108.0						47.5	
November				60.5	75.0	50.6	95.3						29.5	
December				54.1	62.9	45.3	81.0						18.6	
Year				72.5	85.8	59.8	122.8						18.6	
Min. No. of Years				24	24	24	24						24	

MONTH	Mean Pressure* Millibars G.M.T. 05	Mean Pressure* Millibars Mean	Mean Relative Humidity Per Cent G.M.T. 05	Mean Relative Humidity Per Cent Mean	Mean Vapour Pressure Millibars G.M.T. 02	Mean Vapour Pressure Millibars G.M.T. 06	Mean Vapour Pressure Millibars G.M.T. 13	Mean Vapour Pressure Millibars Mean	Mean Low Cloud Amount† Tenths G.M.T. 02	Mean Low Cloud Amount† Tenths G.M.T. 06	Mean Low Cloud Amount† Tenths G.M.T. 13	Mean Low Cloud Amount† Tenths Mean
January	1017.6		73									
February	1016.2		73									
March	1011.2		69									
April	1009.1		60									
May	1006.4		50									
June	1001.0		37									
July	996.6		37									
August	997.9		40									
September	1004.0		42									
October	1010.8		51									
November	1014.9		66									
December	1016.9		79									
Year	1008.5		57									
Min. No. of Years	15		24									

*Not reduced to M.S.L. or to Latitude 45.°

† Max + Min

GHDAD (I. M. D.) 1888-1918 HEIGHT ABOVE M.S L. 36.6 m.

WIND—Average Frequency from Specified Directions.

0200 G. M. T.									0500 G. M. T.										1800 G. M. T.								
E	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	
									4.0	0.0	0.3	0.6	2.2	0.9	2.5	3.7	16.7	5.7									
									3.6	0.6	0.6	1.1	2.5	0.0	1.4	3.4	14.8	6.6									
									5.0	0.6	1.2	1.9	3.1	0.3	1.2	2.5	15.2	6.7									
									4.2	1.2	0.6	0.6	2.1	0.6	2.1	4.2	14.4	6.5									
									5.9	1.5	0.6	0.3	0.9	0.6	1.9	5.0	14.3	6.5									
									9.3	1.5	0.3	0.3	0.3	0.0	0.6	10.2	7.5	9.1									
									5.9	0.3	0.0	0.0	0.0	0.0	2.2	15.5	7.1	9.6									
									6.2	0.6	0.3	0.3	0.0	0.0	2.2	11.8	9.6	8.3									
									6.6	0.9	0.3	0.3	0.3	0.0	2.1	6.9	12.6	6.3									
									6.5	0.9	0.9	0.3	0.9	0.6	0.6	3.7	16.4	5.6									
									4.2	0.6	0.6	0.6	1.8	0.6	0.9	3.9	16.8	5.2									
									3.7	0.3	0.3	1.5	1.9	0.6	1.2	3.4	18.0	5.8									
									65.1	9.0	6.0	7.8	16.0	4.2	18.9	74.2	163.4	6.8									
									24	24	24	24	24	24	24	24	24	7									

ean Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days wih at least		Rain	Snow	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less tha	
05	18					1.0	10.0									6	8
3.2			28.7	33.5				4.7			1	2.8					
3.1			27.9	63.5				4.1			0	0.6					
2.8			31.2	40.9				5.1			1	0.1					
2.3			20.8	43.7				2.8			1	0.0					
1.7			5.1	20.1				1.2			2	0.0					
0.3			0.0	0.5				0.1			0	0.0					
0.1			0.0	0.0				0.0			0	0.0					
0.2			0.5	11.7				0.1			0	0.0					
0.4			0.0	0.5				0.1			0	0.0					
1.5			2.0	12.7				0.7			0	0.1					
2.2			21.3	53.3				3.1			—	0.7					
2.8			31.0	36.8				4.7			—	2.0					
1.7			166.5	63.5				26.7			5	7.3					
24			24	24				24			24	20					

BAGHDAD AIRPORT 1937-1947

LATITUDE 33° 20′ N LONGITUDE 44° 24′ E

TEMPERATURE (Fahrenheit)

MONTH	Mean G.M.T. 02	Mean G.M.T. 06	Mean G.M.T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January	43.2	46.2	58.8	49.4	59.8	39.9	74	28/41 3/44	39	5/42	57	2/44	18	
February	45.1	50.3	63.1	52.9	64.4	42.0	86	26/41	43	28/38	61	26/41	27	1
March	50.4	57.3	69.3	59.3	66.0	47.9	90	27/44	50	1/38	69	30/47	28	1
April	60.0	71.6	82.8	71.5	84.3	57.6	104	28/44	62	1/46	77	29/44	38	2
May	69.9	83.4	95.4	82.9	96.9	67.5	111	30/45	77	5/44	85	29,47	51	13
June	75.9	91.9	104.1	90.6	105.1	73.1	116	23,24,25/42 26/47	90	2/43	87	24,25/42	58	4
July	80.1	93.3	108.9	94.3	109.6	76.5	121	21/43	83	4,10,25/37	92	6/45	62	8
August	79.0	94.4	108.7	93.4	109.5	76.1	120	8/38	96	27/41	90	1/45	64	27
September	72.6	86.0	102.6	87.0	103.7	69.7	116	2,6/45	86	30/38	84	1/40 3/45	51	30
October	64.5	75.8	89.9	76.7	91.8	62.1	107	5/44 2/47	74	23/41 29/46	77	4/47	39	29
November	54.3	61.9	74.4	63.5	76.5	51.7	94	1/44	55	30/41	72	5/47	35	24
December	44.7	49.0	62.3	52.0	64.1	41.9	79	1/43	47	26/47	61	1/45	20	5
Year	61.6	71.8	85.0	72.8	86.0	58.8	121	21/7/43	39	5/1/42	92	6/7/45	18	5/1
Min. No. of Years	10	10	10	10	10	10	10	10	10	10	10	10	10	

MONTH	Mean Pressure (Millibars) G. M. T. 02	G. M. T. 06	G. M. T. 13	Mean	Mean Relative Humidity (Per Cent) G. M. T. 02	G. M. T. 06	G. M. T. 13	Mean	Mean Vapour Pressure (Millibars) G. M. T. 02	G. M. T. 06	G. M. T. 13	Mean	Mean Low Cloud Amount (Tenths) G. M. T. 02	G. M. T. 06	G. M. T. 13	Mean
January	1018.4	1019.7	1017.7	1018.6	85	80	53	73	8.3	8.9	9.1	8.7	2.0	2.1	2.5	2.
February	1016.9	1018.6	1016.3	1017.3	79	71	43	65	8.1	8.8	8.3	8.4	1.3	1.5	2.5	1.
March	1014.7	1016.3	1014.1	1015.0	75	61	37	57	10.3	10.2	9.0	9.8	1.6	1.7	2.5	1.
April	1012.4	1013.4	1011.4	1012.4	64	41	38	45	11.8	12.5	10.1	11.5	1.2	1.0	1.7	1.
May	1008.4	1009.3	1007.8	1008.5	47	34	18	33	11.5	13.0	9.9	11.5	0.7	0.6	1.1	0.
June	10032	1003.8	1002.3	1003.1	35	27	13	25	11.0	12.8	9.6	11.1	0.0	0.0	0.1	0.
July	998.8	999.3	997.5	998.5	32	26	12	23	11.1	13.7	10.6	11.8	0.1	0.2	0.3	0.
August	1000.5	1001.3	999.8	1000.5	33	27	13	24	10.9	14.1	10.9	12.0	0.1	0.1	0.1	0.
September	1006.6	1007.5	1005.7	1006.6	38	30	15	28	10.2	12.5	10.6	11.1	0.1	0.1	0.2	0.
October	1013.3	1014.0	1012.5	1013.3	50	39	24	37	10.4	12.0	11.3	11.2	0.7	0.9	0.9	0.
November	1016.9	1017.9	1016.1	1017.0	75	65	44	61	10.7	12.3	12.3	11.8	1.4	1.7	2.2	1.
December	1019.7	1020.9	1019.0	1019.9	84	78	52	71	8.8	9.3	8.7	8.9	1.5	1.9	2.0	1.
Year	1010.8	1011.8	1010.0	1010.9	58	48	30	45	10.3	11.7	10.0	10.7	0.9	1.0	1.3	1.
Min. No. of Years	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	

HDAD AIRPORT 1937–1947 HEIGHT ABOVE M. S. L. 34.1 m.

WIND—Average Frequency from Specified Directions

0900 G. M. T.								0600 G. M. T.										1800 G. M. T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
3.0	5.3	2.5	1.5	2.0	8.5	4.4	5.1	2.4	0.5	2.4	5.5	3.0	1.0	3.5	9.4	3.2	6.4	6.4	1.2	1.7	4.5	3.2	2.8	2.4	7.2	1.6	7.5
3.3	4.7	2.0	0.6	2.3	6.4	3.0	5.5	3.1	0.8	1.9	4.0	2.9	1.5	2.6	8.0	3.4	6.7	6.2	2.0	1.6	3.4	2.8	1.6	2.4	6.9	1.2	9.1
3.4	4.9	1.5	1.2	2.7	5.5	4.8	8.0	5.9	1.0	2.3	4.9	3.8	1.0	3.3	6.9	1.9	8.0	8.1	2.4	1.9	4.0	2.6	1.4	4.0	6.2	0.3	6.6
4.6	3.2	2.2	0.6	2.4	6.0	2.8	5.8	6.1	2.8	3.7	3.4	2.2	0.9	2.9	6.8	1.2	8.3	8.0	2.4	1.8	3.8	2.2	1.6	4.0	5.5	0.7	9.2
2.7	2.0	1.2	1.4	2.4	8.2	3.0	5.7	7.3	2.3	3.3	1.8	1.7	2.0	3.2	8.8	0.4	8.3	6.7	1.7	0.8	1.8	1.9	1.6	5.6	10.2	0.7	10.0
0.9	0.0	0.3	0.2	2.0	12.4	2.9	7.3	10.1	1.8	1.0	0.1	0.4	0.3	2.8	13.1	0.5	10.7	6.5	1.1	0.7	0.5	0.7	0.8	5.1	14.4	0.2	12.0
0.6	0.4	0.4	0.4	3.4	16.6	2.3	7.9	7.0	1.0	0.8	0.2	0.3	0.3	1.9	18.9	0.7	12.8	4.8	0.5	0.1	0.4	1.1	0.4	7.2	15.7	0.8	13.1
0.4	0.2	0.1	0.2	2.2	13.0	3.1	7.2	8.6	1.3	0.4	0.2	0.3	0.2	1.9	17.2	0.9	11.2	7.4	0.4	0.1	0.0	0.5	0.6	5.2	16.2	0.7	11.9
1.5	0.7	0.5	0.1	2.1	10.9	3.2	6.2	9.2	1.6	0.9	0.8	0.9	0.4	2.0	12.6	1.7	9.3	10.1	1.1	0.3	0.4	0.8	0.8	3.4	11.5	1.6	10.1
3.6	2.1	1.3	0.3	1.2	7.3	4.7	5.9	6.5	3.4	3.9	2.1	1.1	1.0	2.7	7.5	2.8	6.6	9.6	2.1	1.0	2.7	2.6	0.5	2.7	7.1	2.6	8.6
3.7	3.2	1.6	0.2	1.9	6.7	6.1	4.0	3.5	2.4	2.8	3.4	1.6	0.5	1.9	9.1	4.8	4.8	8.5	1.5	2.6	3.3	2.4	1.0	1.7	7.3	1.9	6.2
2.5	4.1	1.6	0.4	2.2	9.5	4.8	4.8	5.0	1.1	2.6	4.4	1.5	0.5	1.7	10.1	4.1	5.6	7.7	1.3	3.0	4.4	1.5	1.1	1.4	8.8	1.8	6.9
30.2	30.8	15.2	7.1	26.8	111.0	45.1	6.1	74.7	20.0	26.0	30.8	19.7	9.6	30.4	128.4	25.6	8.2	90.0	17.7	15.6	29.2	22.3	14.2	45.1	117.0	14.1	9.3
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Total Cloud Amount Tenths			Rainfall (mms.)					Mean Number of Days									
M. T.		Mean	Mean	Max. Fall in 24 Hours	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	13					1.0	10.0									6	8
4.3	4.8	4.2	29.3	35.3	27/40	4.8	0.7	6.5	0.1	0.0	0.6	6.2	1.4	12.1	5.2	1.4	0.0
3.3	4.1	3.5	22.6	33.2	22/38	3.7	0.6	5.2	0.1	0.3	0.9	2.2	1.6	12.2	4.7	0.7	0.1
4.4	4.9	4.3	38.3	55.6	16/38	4.0	0.5	3.0	0.0	0.2	1.7	0.7	3.1	11.0	6.2	1.6	0.2
3.4	4.3	3.7	10.4	10.2	10/37 3/41	2.3	0.3	3.7	0.0	0.3	2.7	0.3	2.0	13	3.8	0.7	0.0
3.1	3.8	3.3	2.2	5.7	5/47	0.7	0.0	1.3	0.0	0.0	1.5	0.0	2.4	14.0	2.2	0.8	0.0
0.2	0.4	0.3	tr.	tr.	5/39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	29.0	0.0	0.5	0.0
0.5	0.5	0.5	tr.	tr.	9/38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	29.1	0.2	2.0	0.0
0.2	0.3	0.2	tr.	tr.	11/40 7/42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	30.1	0.1	1.2	0.0
0.5	0.5	0.4	tr.	tr.	27/38 19,23/39 28/47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	27.3	1	0.5	0.0
2.8	3.0	2.7	4.0	15.8	30/37	0.6	0.1	1.3	0.0	0.0	0.9	0.1	1.8	17.8	3.9	0.1	0.0
4.2	4.8	4.0	21.6	27.3	7/44	3.2	0.6	5.5	0.0	0.0	1.3	2.1	1.3	4.6	4.3	0.3	0.0
4.4	4.6	4.1	24.9	33.6	6/38	4.5	0.7	5.8	0.1	0.0	0.5	4.8	1.4	12.8	5.9	0.4	0.0
2.5	3.0	2.6	103.3	55.6	10/3/38	23.8	3.5	32.3	0.3	0.8	10.1	16.4	20.8	213.3	36.6	10.2	0.3
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

BAIJI 1938-1941 LATITUDE 34° 55' N LONGITUDE 43° 25' E

TEMPERATURE—in Degrees Fahrenheit.

MONTH	Mean G. M. T. 02	Mean G. M. T. 06	Mean G. M. T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Date
January	...	44.2	56.6	50.4	58.2	38.2	69	22-40	42	14-40	51	1-40	21	15-4
February	...	48.8	61.1	54.9	63.8	40.9	83	25-41	50	6-39	55	25-41	26	28,29-4
March	...	54.8	64.8	59.5	66.8	44.8	80	30-40	52	1-39	63	1-41	26	12-4
April	...	69.7	81.1	75.4	82.7	55.2	99	27-38	59	13-39	72	29-39	37	14-3
May	...	82.7	91.6	87.1	95.0	64.6	110	19-40	78	3-38	94	16-40	49	2,3-4
June	...	91.4	102.8	97.1	104.5	71.9	114	30-39	94	8-40	88	30-38	62	4-3
July	...	96.4	103.0	99.7	111.4	77.4	122	20,23-40	100	4-40	91	9-38	68	11,16-9
August	...	96.0	109.2	102.6	110.6	78.1	120	8-38	100	25,26-39	90	29-39;16-40	69	14-3
September	...	87.8	101.5	94.7	103.1	70.9	116	4,6-38	85	30-38	86	7-40	48	30-9
October	...	74.8	89.4	82.1	91.2	60.0	103	2-40	73	23-40	75	10-40	46	1-3
November	...	59.1	70.8	64.9	73.1	49.3	90	1-38	57	28-39	66	10-40	38	18-1
December	...	48.4	59.8	54.1	62.0	41.7	74	15-40	47	24,25-39	56	1-38	28	26-1
Year	...	71.1	82.6	76.8	87.8	58.7	122	20,23-7-40	42	14-1-40	91	9-7-38	21	15-1-
Min. No. of years		3	8	8	8	8	8		8		8		8	

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Amount Tenths G. M. T. 02	06	13	Me
January	...	1019.3	1017.2	1018.3	...	84	59	71	...	8.3	10.0	9.1	...	2.5	2.8	2.
February	...	1017.6	1015.3	1016.5	...	83	55	69	...	9.6	10.3	9.9	...	2.1	3.0	2.
March	...	1015.3	1013.3	1014.3	...	69	46	57	...	10.0	9.9	9.9	...	1.8	3.3	2.
April	...	1013.1	1010.3	1011.7	...	56	35	45	...	13.4	11.9	12.7	...	1.4	1.5	1.
May	...	1009.3	1007.0	1008.1	...	43	24	33	...	13.2	12.0	12.6	...	0.1	0.7	0
June	...	1003.1	1000.9	1002.0	...	31	23	27	...	15.1	16.9	16.0	...	0.2	0.0	0
July	...	998.9	996.7	997.8	...	29	17	23	...	15.3	14.6	14.9	...	0.0	0.4	0
August	...	1001.4	998.9	1000.1	...	21	11	16	...	12.0	9.3	10.7	...	0.0	0.0	0
September	...	1007.7	1005.4	1006.5	...	28	17	23	...	12.0	13.5	12.7	...	0.1	0.5	0
October	...	1014.5	1011.9	1013.2	...	38	24	31	...	11.4	10.5	10.9	...	0.6	1.0	0
November	...	1017.9	1015.9	1016.9	...	70	45	57	...	11.5	11.1	11.3	...	1.4	1.7	1
December	...	1020.7	1018.5	1019.6	...	86	62	74	...	9.4	10.7	10.1	...	2.4	2.8	2
Year	...	1011.6	1009.3	1010.5	...	53	35	44	...	11.8	11.7	11.7	...	1.1	1.4	
Min. No. of years		3	3	3		3	3	3		3	3	3		3	3	

1938 - 1941

HEIGHT ABOVE M.S.L. 143.3 m

WIND — Average Frequency from Specified Directions.

0200 G.M.T.								0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm*	N	NE	E	SE	S	Sw	W	NW	C	Vm*
								2.7	0.7	4.0	3.3	2.0	3.7	3.7	5.0	6.0	6.0	4.3	2.0	2.0	4.0	2.3	2.7	4.7	5.3	3.7	7.7
								1.3	1.0	5.0	5.0	1.7	2.3	3.7	3.3	5.0	4.3	1.3	1.3	3.3	5.0	3.3	1.3	4.0	6.0	2.7	6.3
								3.3	1.0	5.0	5.3	1.0	1.0	4.3	3.3	6.7	6.3	4.0	0.3	3.0	5.7	3.7	1.0	3.3	6.7	3.3	7.7
								1.7	3.7	6.3	2.0	1.0	0.7	4.0	4.0	6.7	4.0	6.0	1.7	4.7	2.3	0.7	0.7	3.3	6.0	4.7	5.3
								4.7	2.7	2.7	1.0	0.7	2.0	5.3	9.7	2.3	5.3	3.7	0.7	0.7	1.0	2.0	2.7	7.3	9.7	3.3	6.7
								5.3	1.3	1.0	0.7	0.3	0.3	6.7	10.7	3.7	7.7	5.3	0.7	0.0	0.0	1.0	3.0	9.7	8.0	2.3	8.3
								3.0	2.3	1.3	0.7	0.3	2.3	8.0	12.3	0.7	9.3	3.3	1.3	1.3	0.3	1.3	5.3	10.0	7.7	0.3	9.3
								4.7	1.7	3.0	1.0	0.3	1.0	7.3	11.0	1.0	6.0	6.3	1.7	1.3	0.3	1.0	2.0	7.3	10.3	0.7	8.0
								2.3	1.7	2.0	2.0	0.0	1.0	5.7	12.3	3.0	4.7	3.0	0.3	0.3	0.3	1.3	4.7	9.0	10.3	0.7	7.0
								1.3	1.7	3.3	2.3	0.7	1.3	7.7	5.0	7.7	3.3	2.3	1.0	1.3	3.3	2.3	2.3	7.3	8.7	2.3	4.7
								1.7	1.7	3.7	3.0	1.0	2.7	4.0	4.3	8.0	4.0	2.3	3.0	3.3	2.3	1.7	2.0	4.3	4.7	6.3	4.7
								0.7	0.3	7.3	4.7	1.7	2.3	5.0	2.3	6.7	4.7	3.3	2.3	3.0	4.0	5.7	3.0	1.7	4.3	3.7	5.7
								32.7	19.8	44.6	31.0	10.7	20.6	55.4	83.2	57.5	5.5	45.1	16.3	24.2	28.5	26.3	30.7	71.9	47.7	34.0	6.8
								3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	18					1.0	10.0									6	8
4.9	4.9	4.9	49.9	36.2	1-40	4.7	1.3	6.7	0.0	2.0	0.0	0.3	0.3	10.7	9.7	2.7	0.0
4.5	5.1	4.8	51.7	27.6	9-40	4.7	2.0	7.0	0.0	0.3	0.3	0.7	0.0	8.3	6.7	1.3	0.0
4.3	5.3	4.8	37.6	14.6	16-39	5.3	0.3	8.0	0.0	0.0	0.7	0.0	1.3	11.3	7.3	2.7	0.0
4.4	4.5	4.5	28.4	18.6	1-39	5.3	0.3	8.7	0.0	0.0	1.7	0.0	0.3	8.7	6.3	1.3	0.3
2.9	3.8	3.3	1.5	3.2	3-38	0.7	0.0	1.0	0.0	0.0	0.3	0.0	0.0	16.0	2.5	1.0	0.0
0.6	0.9	0.7	0.0	0.0	—	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	0.3	0.0	0.0
0.4	0.8	0.6	0.0	tr	3,10-38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	0.3	0.3	0.0
0.3	0.8	0.5	0.0	0.0	—	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	0.3	0.0
1.0	1.2	1.1	0.1	0.2	14-38	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.3	24.0	0.7	0.0	0.0
2.7	3.2	2.9	3.7	5.0	31-39	1.0	0.0	2.3	0.0	0.0	0.0	0.0	0.7	16.3	2.7	0.0	0.0
3.8	4.5	4.1	29.4	11.2	7-38	6.3	1.0	7.0	0.0	0.0	0.0	0.3	0.0	10.3	7.0	0.7	0.0
5.4	5.5	5.5	51.8	41.1	19-39	7.7	2.0	8.0	0.0	0.0	0.0	2.3	0.0	6.7	9.0	0.3	0.0
2.9	3.4	3.1	254.1	41.1	19-12-39	35.7	6.9	49.0	0.0	2.3	3.3	3.6	2.9	105.9	52.3	10.6	0.3
3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3

* This is the mean velocity equivelent of the Wind force measured on the Beafort Scale.

BASRA (I.M.D.) 1900-1918 LATITUDE 30° 25′N LONGITUDE 47° 50′ E

TEMPERATURE—in Degrees Fahrenheit.

MONTH	Mean. G.M.T. 02	06	03	‡ Mean	Mean Max.	Mean Min.	Highest Max	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Da
January				61.2	60.0	43.6	80.1						23.7	
February				67.2	65.2	48.2	87.3						31.1	
March				77.3	73.7	55.7	92.5						39.1	
April				85.8	84.0	64.7	108.7						51.0	
May				94.6	94.3	74.2	115.3						59.0	
June				100.0	100.6	80.3	119.1						68.8	
July				102.6	104.4	81.4	122.1						65.7	
August				101.1	104.9	80.1	118.3						63.1	
September				97.5	101.3	74.5	116.6						45.4	
October				87.1	90.6	65.5	105.3						48.5	
November				75.7	77.0	56.4	93.8						35.7	
December				64.1	64.0	47.8	80.5						29.9	
Year				90.4	84.9	64.3	122.1						23.7	
Min. No. of Years				16	16	16	18						18	

MONTH	Mean Pressure* Millibars G.M.T. 02	05	13	Mean.	Mean Relative Humidity Per Cent G.M.T. 02	06	13	Mean.	Mean Vapour Pressure Millibars G.M.T. 02	06	13	Mean.	Mean Low Cloud Am Tenths G.M.T. 02	06	13
January		1022.7				80									
February		1020.6				76									
March		1016.9				70									
April		1013.5				63									
May		1010.8				56									
June		1004.0				53									
July		1000.0				51									
August		1001.3				51									
September		1007.4				55									
October		1014.9				60									
November		1019.8				68									
December		1022.8				79									
Year		1012.8				63									
Min. No. of Years		11				18									

*Not reduced to M.S.L. or to Latitude 45.°

† Max + Mi
2

A (I.M.D) 1900-1918 **HEIGHT ABOVE M.S.L 2.4 m.**

WIND Average Frequency from Specified Directions

0500 G.M.T.									0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
0.0	2.2	5.6	1.9	4.0	4.3	3.7																					
0.3	1.1	5.9	2.0	3.9	4.5	3.6																					
0.3	2.8	7.1	0.9	2.8	3.7	5.6																					
0.6	1.2	5.4	1.8	3.6	3.6	5.7																					
0.6	1.5	3.1	1.2	4.7	5.0	5.9																					
0.3	0.3	1.2	0.6	6.0	12.6	0.6																					
0.3	0.6	1.5	1.2	6.5	8.7	1.5																					
0.6	0.6	2.2	3.4	7.7	7.1	1.9																					
0.6	0.9	0.6	4.5	12.3	3.9	3.9																					
0.3	1.2	3.1	1.2	9.6	3.1	6.5																					
0.3	3.3	4.2	0.9	7.8	5.1	4.2																					
0.6	1.9	3.7	1.9	9.0	5.9	2.8																					
4.8	17.6	43.6	21.5	77.9	67.5	45.9																					
18	18	18	18	18	18	18																					

n Total Cloud Amount (Tenths)			Rainfall in Millimetres					Mean Number of Days									
G. M. T. 05	G. M. T. 13	Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least 1.0	No. of Days with at least 10.0	Rain	Snow	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than 6	Wind Force Not less than 8
3.9			35.6	38.9				5.5				2.1					
3.9			30.2	34.8				3.7				0.3					
3.3			30.0	41.9				4.2				0.0					
3.1			13.2	18.5				2.8				0.0					
2.1			7.6	24.1				1.5				0.0					
0.1			0.0	0.8				0.0				0.0					
0.3			0.0	0.0				0.0				0.0					
0.2			0.0	0.0				0.0				0.0					
0.3			2.3	23.9				0.2				0.0					
1.5			1.3	7.1				0.6				0.6					
2.5			22.1	78.7				2.9				0.6					
3.7			33.8	43.9				4.3				1.8					
2.8			176.1	78.7				25.7				5.4					
18			17	9				18				8					

MARGIL AIRPORT (Basrah) 1937-1947

LATITUDE 30° 34′ N

LONGITUDE 47° 47′

TEMPERATURE (Fahrenheit)

MONT	Mean G.M.T. 02	Mean G.M.T. 06	Mean G.M.T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Da
January	48.1	52.4	62.3	54.3	64.4	45.5	81	3-44	50	17-38	61	10-38 21-43	24	
February	50.2	56.6	66.3	57.7	68.3	48.0	87	23-41	48	23-38	65	24-2	36	
March	56.3	64.6	72.9	64.6	74.9	54.7	95	27-44	49	1,2-38	71	15,28-44	39	
April	65.0	74.9	82.5	74.1	85.1	63.3	105	29-38	61	4-44	80	22-42	52	3-38 2-
May	77.1	86.9	94.1	86.0	96.1	75.9	112	26-40 31-47	80	6-44	88	25-40	63	
June	82.5	90.5	98.9	90.7	100.2	81.1	115	10-44	86	3-43	92	11-46	71	
July	82.9	92.1	102.4	92.5	108.7	81.2	117	21-40	90	8-42	90	5-38 23-43	73	
August	80.6	92.1	103.9	92.2	105.5	78.3	120	9-38	95	25-44	89	2-38	68	
September	74.6	87.8	100.5	87.6	102.2	71.8	113	3-38 1,2-45	88	30-38	85	11-38	58	
October	66.2	79.4	91.6	79.0	94.1	63.9	110	16-46	76	29-46	76	4-40 22-41 16-46	46	
November	59.2	67.6	77.2	67.9	80.2	56.6	98	10-39	62	24-44	72	7-44	38	
December	50.8	55.6	65.8	57.4	68.6	47.7	85	1-42	54	24-44	68	12-39 30-40	29	2
Year	66.1	75.0	84.9	75.3	86.9	64.0	120	9-8-38	48	28-2-38	92	11-6-46	24	
No. of Years	10	10	10	10	10	10	10		10		10		10	

MONTH	Mean Pressure Millibars G.M.T. 02	06	13	Mean	Mean Relative Humidity Per Cent G.M.T. 02	06	13	Mean	Mean Vapour Pressure Millibars G.M.T. 02	06	13	Mean	Mean Low Cloud Am (Tenths) G.M.T. 02	06	13
January	1018.3	1020.0	1017.5	1018.6	89	83	62	78	10.5	11.4	12.0	11.3	1.8	2.7	2.3
February	1016.9	1018.4	1016.0	1017.1	87	76	55	72	10.9	12.0	12.0	11.7	1.3	1.7	1.8
March	1014.6	1016.1	1013.8	1014.8	81	66	49	65	12.6	13.7	13.1	13.1	1.4	1.5	1.6
April	1012.0	1013.2	1011.1	1012.1	76	59	43	59	16.4	17.5	16.7	16.9	1.5	1.2	1.4
May	1007.2	1008.3	1007.0	1007.5	65	50	40	52	21.0	21.8	21.9	21.5	0.5	0.5	0.6
Jnue	1001.4	1002.2	1001.1	1001.6	60	50	41	50	22.8	24.4	25.3	24.2	0.1	0.0	0.6
July	997.4	998.2	997.1	997.6	58	47	35	43	22.3	23.8	24.4	23.5	0.1	0.1	1.3
August	999.2	1000.2	999.7	999.4	56	44	32	44	20.1	22.7	23.5	22.1	0.1	0.1	0.5
September	1005.5	1006.6	1004.8	1005.6	62	48	32	48	18.4	21.6	21.5	20.5	0.2	0.1	0.4
October	1012.6	1013.9	1011.7	1012.8	67	50	36	50	15.2	17.1	16.7	16.4	0.4	0.3	0.7
November	1016.3	1017.7	1015.5	1016.5	83	70	52	68	14.4	16.2	16.3	15.7	1.3	1.5	1.6
December	1018.8	1020.8	1018.4	1019.4	89	82	62	78	11.6	12.6	13.4	12.5	1.4	1.8	1.8
Year	1010.0	1011.3	1009.4	1010.2	73	60	45	59	16.3	17.9	18.1	17.4	0.8	1.0	1.2
No. of Years	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Remark : Sept., Oct., Nov. and Dec. 1947 are not included.

HDAD (I. M. D.) 1937-1947 HEIGHT ABOVE M.S.L. 2.4 m.

WIND—Average Frequency from Specified Directions.

0300 G. M. T.								0500 G. M. T.										1800 G. M. T.									
E	NE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
4.1	2.9	2.1	1.9	7.5	5.1	2.6	6.2	1.4	1.6	2.4	1.7	3.1	2.0	10.0	5.0	3.8	7.4	2.1	1.0	2.9	4.3	1.6	0.4	8.7	8.6	1.5	8.9
4.1	1.8	1.9	1.3	6.9	4.8	2.8	5.7	2.2	1.3	3.0	2.7	1.6	1.8	7.8	4.7	3.2	7.4	2.7	0.5	2.8	3.4	1.0	0.4	7.5	8.9	0.9	10.4
3.9	2.8	2.2	2.1	5.2	5.4	4.2	5.8	3.0	1.5	3.4	3.4	3.5	1.6	7.3	6.2	1.1	8.7	3.6	0.7	2.4	4.1	2.2	0.2	6.0	10.7	1.2	11.0
2.8	2.8	2.0	1.6	5.1	5.2	5.7	5.8	4.0	1.5	3.0	3.2	2.5	1.2	5.7	6.1	2.8	7.9	5.2	1.4	2.8	3.9	0.4	0.1	4.6	10.7	1.0	10.3
0.9	1.1	1.7	2.4	6.7	7.4	4.1	6.1	4.6	1.4	1.7	0.3	1.7	1.4	7.8	10.2	1.9	7.3	4.4	1.0	1.3	0.7	0.3	0.0	7.8	14.4	1.0	9.1
0.4	0.1	0.5	1.6	11.5	11.8	1.7	8.0	1.9	0.2	0.1	1.2	0.0	0.2	10.7	15.7	0.0	9.8	1.7	0.1	0.1	0.8	0.0	0.0	11.2	16.0	0.7	7.3
0.7	0.4	0.3	2.0	15.6	7.6	2.6	6.7	1.8	0.0	0.6	0.3	0.2	0.1	12.9	13.6	1.5	9.0	3.0	0.0	0.4	0.6	0.0	0.0	13.0	13.7	0.8	10.0
0.4	0.8	0.9	1.9	14.3	8.9	2.4	6.3	1.2	0.1	0.7	0.4	0.5	0.7	11.7	14.5	1.1	8.1	2.4	0.1	0.9	0.4	0.0	0.0	10.6	15.8	0.7	9.2
1.7	0.3	1.5	2.2	11.0	7.7	3.3	5.4	2.9	0.6	1.1	0.5	1.2	0.9	8.1	12.5	2.2	5.2	3.5	0.0	1.0	0.7	0.2	0.1	6.5	16.6	1.4	6.7
2.3	1.5	3.5	2.6	9.1	5.3	3.0	5.4	3.6	0.8	2.3	1.5	3.3	2.2	7.5	8.1	1.7	6.3	3.3	1.2	3.0	2.2	1.4	0.5	6.9	11.0	1.5	7.5
2.7	2.4	1.8	2.3	7.6	4.3	1.7	5.1	4.3	2.4	2.8	1.7	2.0	1.8	6.6	7.6	0.8	6.4	2.9	2.0	3.6	3.0	0.7	0.4	7.0	8.4	2.0	4.9
4.9	1.8	0.9	0.9	9.3	5.3	3.5	4.9	1.7	2.0	4.5	1.7	1.9	1.6	10.0	5.7	1.9	6.2	2.3	1.2	3.2	2.9	0.9	0.0	9.0	8.5	3.0	7.3
28.9	18.2	19.3	22.8	109.8	79.3	37.6	5.9	32.6	13.4	25.6	18.6	21.5	15.5	106.1	109.9	22.0	7.4	37.1	9.2	24.4	26.5	8.7	2.1	98.8	148.3	15.2	8.5
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	18					1.0	10.0									6	8
4.8	4.8	4.3	35.5	28.4	22/38	5.1	1.2	6.6	0.0	0.0	1.0	2.7	0.1	11.4	5.4	1.2	0.0
3.8	4.2	3.6	27.4	29.9	29/38	4.2	0.8	5.3	0.0	0.2	0.8	3.4	0.1	13.4	4.1	1.9	0.0
3.7	4.1	3.7	29.5	50.9	13/46	2.4	0.7	4.6	0.0	0.2	1.6	0.6	0.6	13.4	4.2	2.3	0.0
4.1	4.6	4.2	30.5	87.6	7/41	3.2	0.8	4.4	0.0	0.3	2.9	0.3	0.7	11.1	5.4	1.0	0.0
2.4	3.0	2.7	5.5	13.4	16/45	0.7	0.3	1.3	0.0	0.0	1.1	0.1	1.5	19.0	2.4	0.4	0.0
0.1	0.6	0.4	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	28.5	0.0	0.7	0.0
0.7	1.6	1.1	0.3	3.2	30/45	0.1	0.0	0.1	0.0	0.0	0.1	0.0	2.9	25.0	0.5	0.0	0.0
0.8	0.9	0.8	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	27.4	0.2	0.3	0.0
0.3	0.5	0.4	0.0	0.0	...	0.0	0.0	0.1	0.0	0.0	0.0	0.5	1.4	28.2	0.0	0.0	0.0
1.7	2.3	1.8	0.0	0.4	10/38	0.0	0.0	0.4	0.0	0.0	0.5	0.8	0.8	22.1	1.4	0.0	0.0
4.0	4.4	3.9	35.8	61.4	15/40	2.2	0.8	3.6	0.0	0.0	2.2	1.3	0.5	12.1	3.6	0.3	0.0
4.1	4.8	4.2	21.2	39.0	1/46	3.1	0.8	4.9	0.0	0.2	0.8	3.1	0.3	11.0	4.7	0.2	0.0
2.5	3.0	2.6	15.5 185.7	37.6	7/4/41	21.0	5.4	31.3	0.0	0.9	11.0	11.8	13.0	222.6	31.9	3.3	0.0
10	10	10	15	10		10	10	10	10	10	10	10	10	10	10	10	10

DIWANIYA (D.M.O) 1928-1939 LATITUDE 31° 59′ N LONGITUDE 44° 59′ E

MONTH	TEMPERATURE (Fahrenheit)													
	Mean. G.M.T. 02	06	13	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Dat
January	40.9	47.1	59.6	49.2	60.8	38.0	74	2-31	40	25-34	58	9-38	20	
February	44.6	52.2	65.7	54.1	66.7	41.8	85	19,22-32	45	8-32 ; 28-38	60	23-30	22	
March	49.1	61.5	75.4	62.0	76.6	46.5	98	18-31	53	1-38	68	19-31	29	
April	58.6	74.6	86.2	73.1	88.0	56.4	108	25-36	69	15-33 ; 13-39	75	28-36 ; 28-88 ; 29-39	37	
May	68.9	87.3	97.5	84.6	99.3	66.3	115	26-39	75	4-34	85	25-31	49	
June	73.0	93.4	104.7	90.4	106.0	70.6	118	23-31	90	6-33	88	22-32	57	
July	76.5	96.3	109.1	94.0	110.4	74.3	121	31-38	98	4-35	90	14-29	65	1-30;9-3
August	76.7	96.6	110.6	94.6	111.9	74.3	125	8-38	98	11-28	90	7-30	62	
September	70.5	89.9	104.1	88.2	105.6	68.0	118	4,5-38	85	18-32	83	2-31	54	23-3
October	61.7	79.1	93.0	77.9	94.9	58.7	110	2-30	79	27-37	74	3-30	41	
November	52.1	63.8	76.8	64.3	78.7	49.9	99	1,2-32	56	30-32	69	6-38	30	
December	43.1	49.8	62.5	51.8	63.8	40.3	81	21-33	46	24-32	61	4-36	18	
Year	59.6	74.3	87.1	73.7	88.6	57.1	125	8-8-38	40	25-1-34	90	14-7-29 ; 7-8-30	18	
Min. No. of Years	10	10	10	10	10	10	11		11		11		11	

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Amo (Tenths) G. M. T. 02	06	13
January	1019.4	1020.9	1018.5	1019.6	84	77	52	71	7.6	8.7	9.1	8.5	2.3	2.4	2.5
February	1015.9	1017.3	1014.7	1016.0	82	72	43	66	8.3	9.7	9.3	9.1	1.6	1.4	2.3
March	1014.1	1015.5	1012.7	1014.1	71	55	29	52	8.5	10.2	8.7	9.1	1.6	1.1	1.5
April	1010.8	1012.2	1008.6	1010.5	63	42	24	43	10.8	12.1	10.0	11.0	1.9	1.5	1.4
May	1007.9	1009.1	1006.7	1007.9	51	40	18	36	11.9	12.7	10.7	11.8	0.9	1.1	1.3
June	1002.8	1003.7	1001.6	1002.7	41	25	15	27	11.4	13.0	10.8	11.7	0.1	0.2	0.2
July	998.3	998.8	997.1	998.1	39	23	14	25	12.1	13.1	11.0	12.1	0.0	0.0	0.2
August	999.9	1001.0	998.7	999.5	40	25	15	27	12.2	14.0	12.1	12.8	0.1	0.1	0.1
September	1005.7	1006.0	1004.8	1005.5	44	29	18	30	11.3	13.3	12.8	12.5	0.4	0.4	0.4
October	1012.7	1014.2	1011.6	1012.8	51	35	23	36	9.4	11.3	11.3	10.7	0.6	0.8	0.6
November	1016.8	1018.2	1015.7	1016.9	68	54	37	53	9.4	11.2	11.4	10.7	1.8	1.7	2.2
December	1019.5	1020.6	1018.4	1019.5	83	75	52	70	8.3	9.6	10.2	9.4	1.6	2.2	2.3
Year	1010.3	1011.5	1009.1	1010.3	60	46	28	45	10.1	11.6	10.6	10.8	1.1	1.1	1.3
Min. No. of Years	10	10	10	10	10	10	10	10	11	11	11	11	6	6	6

ANIYA (D.M.O)1928–1939 HEIGHT ABOVE M. S. L. 20. 4 m.

WIND—Average Frequency from Specified Directions

0300 G. M. T.								0600 G. M. T.										1300 G. M. T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
3.0	1.9	0.4	0.3	3.6	3.7	16.2	4.1	2.6	0.3	2.4	3.6	0.9	0.6	6.6	7.9	6.0	7.9	2.8	0.6	2.9	3.0	0.8	1.2	5.0	10.6	3.8	9.0
3.5	1.5	1.0	0.0	2.7	4.1	13.6	5.2	1.5	0.5	4.0	3.3	1.5	0.8	4.5	6.6	5.0	7.8	3.0	0.5	2.8	3.0	1.8	0.6	5.8	8.4	1.8	9.7
3.6	1.5	1.3	0.6	2.7	5.8	11.1	4.3	4.6	1.0	2.8	3.3	1.9	0.7	4.4	8.9	3.3	7.9	4.1	0.6	8.1	2.8	1.5	0.5	6.3	9.7	2.2	9.9
3.0	1.5	1.9	0.6	2.2	3.9	12.9	6.0	4.2	1.2	2.5	2.5	2.4	0.7	5.3	7.2	3.8	7.2	3.6	1.1	2.1	1.6	2.1	1.0	6.8	10.0	1.5	9.3
1.7	0.3	1.2	0.6	4.1	6.0	10.3	4.5	6.3	1.7	1.8	1.1	1.6	0.6	5.9	8.9	3.0	9.3	4.5	0.9	0.7	0.9	1.7	1.0	8.3	11.5	1.2	10.9
0.4	0.1	0.4	0.8	8.0	10.8	5.6	5.1	5.1	0.6	0.3	0.0	0.6	0.7	5.4	16.3	0.9	11.7	3.0	0.3	0.3	0.0	0.5	0.8	7.7	15.4	2.2	14.5
0.1	0.1	0.2	0.6	8.5	11.6	7.8	4.7	4.2	0.3	0.1	0.1	0.3	0.1	5.8	18.8	1.2	12.7	3.0	0.1	0.3	0.0	0.2	0.9	6.8	17.5	2.2	15.1
0.3	0.0	0.4	0.2	6.7	11.1	9.3	5.9	6.4	0.2	0.3	0.2	0.4	0.3	5.1	16.7	1.3	11.0	4.5	0.1	0.1	0.1	0.4	0.4	7.2	17.4	0.8	12.5
0.4	0.3	0.5	0.1	3.2	10.0	11.4	4.7	6.2	0.5	0.3	0.5	0.7	0.6	4.6	13.4	3.1	8.9	4.7	0.2	0.5	0.6	0.3	0.4	5.3	15.4	2.6	11.0
1.5	0.7	0.4	0.4	3.7	5.2	14.4	5.8	5.9	1.1	1.3	1.4	1.4	0.7	3.2	10.7	5.4	8.3	4.5	0.9	2.1	.11	0.8	0.7	5.6	11.1	4.1	8.8
1.7	1.7	0.8	0.5	3.4	4.3	14.0	4.9	3.6	0.9	2.5	2.6	2.0	1.2	4.0	7.7	5.5	7.4	3.7	1.0	2.9	2.7	1.4	0.6	4.7	8.7	4.2	8.1
2.6	2.6	0.5	0.4	2.3	4.0	16.0	4.3	3.3	0.7	3.3	2.6	0.6	0.5	5.5	8.1	6.4	7.0	3.6	0.4	2.5	2.5	1.3	0.5	5.2	9.1	5.9	8.3
21.8	21.8	9.0	5.1	51.1	80.5	142.6	5.0	53.9	9.0	21.6	21.2	14.3	7.5	60.3	131.2	44.9	8.9	45.0	6.7	20.3	18.3	12.8	8.6	74.7	144.8	32.5	10.6
11	11	11	11	11	11	11	6	11	11	11	11	11	11	11	11	11	6	11	11	11	11	11	11	11	11	11	6

Total Cloud Amount Tenths			Rainfall (mms.)					Mean Number of Days									
M. T.		Mean	Mean	Max. Fall in 24 Hours	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force N t less than	
06	13					1.0	10.0									6	8
3.9	4.3	3.8	23.5	32.9	13/33	3.5	0.5	5.8	0.0	0.0	0.3	2.3	1.0	13.2	5.9	1.1	0.0
3.4	4.3	3.5	20.7	51.1	22/37	2.5	0.5	4.2	0.0	0.0	0.2	0.5	1.9	12.9	3.8	1.6	0.3
3.6	3.7	3.4	5.0	7.0	8/37	2.1	0.3	3.1	0.0	0.0	0.8	0.3	3.4	14.0	4.0	1.3	0.3
3.3	3.7	3.4	12.4	58.6	4/34	1.5	0.4	2.6	0.0	0.1	1.7	0.2	3.2	13.8	3.4	0.9	0.0
2.6	3.5	2.9	18.1	113.6	12/35	0.7	0.3	1.3	0.0	0.0	1.3	0.6	3.3	15.7	2.5	1.4	0.0
0.2	0.6	0.4	0.5	5.3	7/31	0.1	0.0	0.1	0.0	0.0	0.1	0.0	3.6	27.9	0.1	6.0	0.0
0.3	0.7	0.5	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	28.7	0.1	6.7	0.0
0.4	0.5	0.5	0.9	9.7	24/38	0.1	0.0	0.1	0.0	0.1	0.2	0.0	2.3	28.8	0.0	4.1	0.0
0.5	0.6	0.5	tr.	tr.	13,27,28—38	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.1	27.5	0.5	1.5	0.0
2.0	2.6	2.1	0.5	1.5	21/37	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.6	19.5	2.5	0.3	0.0
3.5	3.8	3.3	14.7	42.4	7/38	2.3	0.4	3.3	0.0	0.1	0.6	0.7	0.5	15.4	4.9	1.3	0.0
4.2	4.5	4.0	24.9	24.2	13/38	3.8	0.8	4.9	0.0	0.0	0.6	3.8	0.6	12.2	5.9	2.0	0.0
2.3	2.7	2.3	121.2	113.6	12/5/35	16.9	3.2	25.9	0.0	0.3	5.9	8.4	24.2	229.6	33.6	28.2	0.6
10	10	10	10	11		11	11	11	11	11	11	11	11	11	11	6	6

DIWANIYAH (D.I.M.S.) 1939-1947 LATITUDE 31° 59′ N. LONGITUDE 44°59

TEMPERATURE (Fahrenheit)

MONTH	Mean G.M.T. 02	Mean G.M.T. 06	Mean G.M.T. 18	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Da
January	42.6	47.9	61.2	50.6	62.5	38.3	78	28/41	41	5,6/42	55	5/44	19	
February	44.9	52.5	66.4	54.6	67.8	40.8	88	23/41	50	3/47	58	21,24/40	25	
March	50.5	61.1	73.8	61.6	74.7	46.8	97	14/44	55	14/45	70	28/44	28	
April	59.8	74.5	85.1	73.1	86.9	56.6	105	28/42 27,28,30/44	64	1/46	79	27/47	35	
May	70.0	87.1	97.2	84.8	99.0	66.1	114	12/41	81	12/45 6/47	84	30/46	49	
June	74.7	93.2	104.6	90.8	105.9	71.0	116	24/42 28/47	92	2/43	82	4/44 14/47	58	
July	77.8	94.4	107.6	93.8	108.6	73.5	119	22/40	99	4,5,6/40 7/41	88	30/45	65	
August	75.7	93.2	107.6	92.2	108.9	71.6	119	26/43	96	27/41	84	7/42 1/45	61	
September	69.6	87.9	102.5	86.6	104.2	65.6	116	1/45	92	28/41	80	8/41	53	
October	62.1	78.7	92.4	77.7	94.3	59.1	111	2/47	85	29/42	76	2/40	40	
November	54.8	64.6	77.8	65.6	79.0	50.2	97	2/42	56	24/44	68	1,4/47	34	
December	44.9	51.5	64.4	53.6	66.2	41.1	82	1,4/43	51	28/42	58	1/45	23	
Year	60.6	73.9	86.7	73.7	88.2	56.7	119	22/7/40 26/8/43	41	5,6/1/42	88	30/7/45	19	
No. of Years	8	8	8	8	8	8	8		8		8		8	

MONTH	Mean Pressure (Millibars) G.M.T. 02	G.M.T. 06	G.M.T. 18	Mean	Mean Relative Humidity (Per Cent) G.M.T. 02	G.M.T. 06	G.M.T. 18	Mean	Mean Vapour Pressure (Millibars) G.M.T. 02	G.M.T. 06	G.M.T. 18	Mean	Mean Low Cloud Am (Tenths) G.M.T. 02	G.M.T. 06	G.M.T. 18
January	1018.1	1019.6	1016.7	1018.1	83	76	48	69	8.0	8.9	8.9	8.6	2.2	2.2	2.2
February	1016.7	1016.1	1015.6	1016.8	77	67	39	61	8.1	9.1	8.4	8.5	0.9	1.5	2.0
March	1014.4	1015.8	1013.8	1014.5	74	57	34	55	9.4	10.5	9.6	9.8	1.4	1.7	2.1
April	1011.7	1012.9	1010.5	1011.7	66	45	26	46	11.8	12.6	10.9	11.8	1.5	1.8	1.[illegible]
May	1007.4	1008.5	1006.4	1007.4	52	31	19	34	12.6	13.0	11.4	12.3	1.1	1.0	1.[illegible]
June	1002.6	1003.5	1002.1	1002.7	44	27	16	29	12.9	13.9	12.2	13.0	0.0	0.1	0.[illegible]
July	998.3	999.1	997.5	998.3	42	28	16	29	14.1	14.9	14.6	14.5	0.2	0.1	0.[illegible]
August	999.8	1000.7	999.1	999.9	43	29	17	30	12.9	15.1	13.4	13.8	0.1	0.1	0.[illegible]
September	1005.7	1006.9	1004.9	1005.8	48	32	19	33	11.8	14.6	12.7	13.0	0.1	0.1	0.[illegible]
October	1012.7	1013.9	1011.5	1012.7	53	39	24	39	10.7	12.9	12.4	12.0	0.6	0.9	1.[illegible]
November	1016.1	1017.4	1015.1	1016.2	75	61	41	59	10.9	12.8	12.7	12.1	1.5	1.6	1.[illegible]
December	1019.5	1020.6	1018.7	1019.6	83	76	50	70	8.0	10.1	10.2	9.4	1.5	1.9	1.[illegible]
Year	1010.3	1011.4	1009.3	1010.3	62	47	29	46	10.9	12.4	11.5	11.6	0.9	1.0	1.[illegible]
No. of Years	8	8	8	8	8	8	8	8	8	8	8	8	8	8	

IYAH (D.I.M.S) 1939-1947 HEIGHT ABOVE M.S.L. 20.4 m.

WIND Average Frequency from Specified Directions

0900 G.M.T.								0600 G.M.T.										1800 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
3.4	4.7	2.0	1.6	5.8	5.1	4.4	7.1	2.8	1.5	2.8	3.6	2.5	2.7	7.2	5.1	2.8	8.3	3.0	1.6	2.5	3.8	1.5	2.5	7.0	7.4	1.7	10.0
3.7	3.4	1.1	1.6	6.3	4.7	3.0	7.5	2.7	0.5	2.5	4.6	1.6	2.5	6.1	5.9	1.7	9.3	4.6	1.7	1.5	3.9	1.3	1.4	5.9	6.9	1.0	11.1
2.5	4.2	2.6	1.5	5.3	6.3	3.0	7.5	3.9	1.9	2.2	4.2	2.1	2.3	5.4	7.1	1.9	10.0	5.0	1.4	2.0	4.5	2.3	1.2	5.6	8.1	0.9	10.9
2.0	3.1	2.0	1.5	5.3	5.5	3.6	6.5	6.9	2.3	2.0	2.5	2.4	2.0	4.4	6.6	0.9	9.0	4.8	1.4	1.7	3.5	1.6	1.0	6.9	7.4	1.7	9.9
1.3	1.1	1.6	1.7	6.0	7.4	4.4	6.4	5.1	1.5	1.2	1.1	2.0	2.9	6.3	9.9	1.0	9.5	5.0	0.7	0.6	1.4	1.4	2.3	8.6	9.6	1.4	11.5
0.2	0.1	0.2	1.5	7.9	11.3	2.3	7.6	7.1	0.2	0.1	0.8	0.1	1.4	5.9	13.6	1.3	10.4	4.0	0.2	0.1	0.1	0.4	1.0	10.3	13.5	0.4	12.9
0.2	0.1	0.2	0.5	11.0	12.0	2.3	7.9	5.5	0.3	0.1	0.4	0.1	0.5	6.7	16.5	0.9	11.5	3.0	0.0	0.1	0.3	0.7	1.7	12.0	12.6	0.6	13.0
0.0	0.0	0.5	0.5	11.1	12.4	1.5	7.1	5.5	0.0	0.4	0.0	0.4	0.9	7.1	16.6	0.1	10.7	5.0	0.0	0.3	0.0	0.1	0.7	10.1	14.7	0.1	13.0
0.5	0.3	0.8	1.2	7.7	11.3	2.1	6.5	5.9	0.3	0.2	0.7	0.9	1.5	7.0	12.5	1.0	8.7	6.3	0.5	0.3	0.3	0.3	0.9	7.4	12.5	1.5	9.9
2.1	1.0	1.5	1.0	5.5	8.2	2.8	6.4	7.1	2.3	1.1	1.9	1.7	1.9	4.4	8.8	1.8	7.4	7.5	1.0	1.3	2.3	1.9	2.1	3.6	9.5	1.6	8.5
3.2	1.7	0.9	0.7	5.2	7.3	5.1	5.1	4.1	1.3	2.4	2.9	1.4	0.9	6.5	7.4	3.1	6.9	5.7	1.6	2.7	3.0	1.0	1.7	4.8	7.5	2.0	6.9
2.9	2.9	1.3	1.6	8.6	4.7	4.2	6.5	3.6	1.5	2.8	3.8	1.0	1.3	7.5	7.2	2.6	6.2	4.4	0.9	3.4	3.8	1.4	1.1	5.7	8.1	2.2	8.2
22.0	22.6	14.7	14.9	85.7	96.2	36.7	10.3	60.2	13.6	17.8	25.5	16.2	20.8	74.5	117.2	19.3	18.5	58.3	11.0	16.5	26.9	13.9	17.6	87.9	117.5	15.3	15.7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days											
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	18					1.0	10.0									6	8
4.2	4.2	3.9	19.5	32.1	6/45	2.7	0.5	4.7	0.0	0.0	0.6	1.5	1.4	13.6	4.9	1.5	0.0
3.4	3.8	3.1	17.5	18.1	16/47	2.6	0.1	3.6	0.0	0.1	1.1	0.6	1.6	15.3	1.7	1.6	0.0
4.1	4.0	3.7	24.5	52.9	21/43	2.5	0.7	4.0	0.0	0.3	1.7	0.1	2.3	14.4	2.9	2.5	0.0
3.6	4.0	3.6	14.3	38.2	25/41	2.3	0.4	2.6	0.0	0.0	2.0	0.0	1.9	14.3	4.0	1.5	0.0
3.1	3.6	3.1	8.9	24.0	5/47	0.9	0.4	1.5	0.0	0.0	1.6	0.0	2.6	16.0	1.6	1.6	0.0
0.2	0.2	0.2	tr	tr	11/44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	29.0	0.0	2.1	0.0
0.3	0.3	0.4	0.5	3.7	30/45	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.7	29.7	0.0	2.0	0.1
0.3	0.3	0.3	0.1	5.0	11/49	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.6	30.1	0.0	2.0	0.0
0.3	0.3	0.3	tr	tr	20/39 22/43 12/45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	28.7	0.0	0.5	0.0
2.5	2.7	2.4	0.9	3.8	30/41	0.3	0.1	0.5	0.0	0.0	0.3	0.0	1.1	18.9	2.1	0.4	0.0
3.9	4.3	3.8	13.2	18.0	16/44	2.1	0.5	3.1	0.0	0.0	1.1	1.0	0.4	11.8	2.6	0.1	0.0
4.1	4.5	4.0	17.6	37.6	18/41	3.4	0.7	4.5	0.0	0.0	0.4	0.8	0.5	13.2	4.0	0.7	0.0
2.5	2.7	2.4	117.0 9.7	52.9	21/3/43	17.0	3.4	24.7	0.0	0.4	9.0	4.0	14.3	235.0	23.8	16.5	0.1
8	8	8	8	8	-	8	8	8	8	8	8	8	8	8	8	8	8

HABBANIYA 1937-1947 LATITUDE 33° 22' N LONGITUDE 43° 34' E

MONTH	TEMPERATURE Fahrenheit. Mean G. M. T. 02	06	18	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	
January	41.6	45.7	58.6	48.6	59.9	39.6	79	28/41	38	5/42	54	3/44 13/46	16	
February	44.9	49.8	64.8	53.0	65.5	42.1	87	24,26/41	43	28/38	59	26/41	27	
March	50.0	58.0	72.2	60.1	73.1	48.1	97	23/37	52	1/38	67	28/37	27	
April	58.5	71.3	84.5	69.8	85.2	51.4	106	24/37 30/44	64	1/46	79	29/38	38	
May	69.2	84.1	97.1	83.5	98.7	68.1	116	7/42	76	5/44	83	24/46	55	
June	78.8	91.1	105.8	90.1	107.1	78.2	116	26,29/38 30/39	91	3/37	85	3/41	60	
July	79.0	92.8	110.7	94.0	111.9	78.0	122	20,22/40 2/43	100	4/40	89	22/43	70	11,17/30
August	77.9	92.2	109.4	92.8	111.5	76.1	122	1,8/38	100	27/41	87	11/40 7.42	67	
September	71.6	85.5	104.1	87.1	105.2	69.9	119	2/45	86	30/38	83	7/40	52	
October	63.7	74.5	90.7	76.3	91.4	61.7	106	2/47	72	30/45	78	4/42	42	
November	53.4	60.6	74.6	62.9	76.8	51.8	95	8/41 1/44	59	28/39 30/41 24/44	69	5/47	36	
December	44.6	48.4	62.5	51.8	63.8	42.0	79	1,2/43 11/40	50	28/42	60	16/47	20	
Year	60.3	71.1	86.2	72.5	87.5	58.5	122	2,20,22/7/40 1,8/8/38	38	5/1/42	89	22/7/43	16	
Min. No. of years	7-8	11	11	11	11	11	11		11		11		11	

MONTH	Mean Pressure Millibars G. M. T. 02	06	18	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	18	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	18	Mean	Mean Low Cloud Tenths G. M. T. 02	06	13
January	1018.7	1020.5	1017.6	1018.9	81	78	51	70	7.7	8.3	8.6	8.2	1.8	1.7	2.5
February	1016.9	1018.3	1016.0	1017.1	78	70	40	63	8.0	8.6	8.1	8.2	1.5	1.6	2.3
March	1014.4	1016.0	1013.8	1014.7	70	58	32	53	8.7	9.6	8.3	8.9	1.5	1.4	2.5
April	1012.5	1013.6	1010.8	1012.1	68	45	24	44	11.1	11.7	9.3	10.7	1.5	0.9	1.7
May	1008.8	1009.6	1007.5	1008.6	47	33	18	33	11.4	11.9	9.5	10.9	0.5	0.4	0.5
June	1004.0	1004.6	1002.8	1003.8	37	24	12	24	10.5	11.7	8.9	10.4	0.1	0.0	0.
July	999.8	1000.0	998.1	999.1	35	26	12	24	11.6	14.2	10.4	12.1	0.1	0.1	0.
August	1001.1	1002.0	1000.1	1001.1	34	26	12	24	11.5	13.6	10.8	11.8	0.0	0.0	0.
September	1007.0	1008.1	1006.0	1007.0	41	29	13	28	11.0	12.0	9.9	11.0	0.1	0.1	0.
October	1012.8	1014.0	1012.6	1013.5	53	39	22	38	10.9	11.3	10.3	10.8	0.8	0.6	0.
November	1017.3	1016.2	1015.9	1017.1	75	66	42	61	10.4	11.7	11.7	11.3	1.8	1.6	1.
December	1020.1	1021.3	1019.0	1020.1	88	76	49	69	8.4	8.9	9.4	8.9	1.5	1.7	1.
Year	1011.1	1012.2	1010.0	1011.1	58	47	28	44	10.1	11.1	9.6	10.3	0.9	0.8	1.
Min. No. of years	7-8	11	11	11	7-8	11	11	11	7-8	11	11	11	7-8	11	1

BANIYAH 1937 – 1947 HEIGHT ABOVE M.S.L. 43.6 m

WIND – Average Frequency from Specified Directions.

0200 G.M.T.								0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm*	N	NE	E	SE	S	Sw	W	NW	C	Vm*
2.1	2.7	1.9	2.6	3.1	8.9	6.0	5.6	1.9	0.5	1.7	3.5	2.2	2.0	3.8	9.8	5.5	7.1	5.3	1.6	1.5	3.2	3.9	3.2	2.6	8.0	1.6	8.5
3.2	2.6	1.7	1.1	2.0	9.5	5.4	5.1	2.5	0.9	1.6	4.1	1.7	1.5	2.8	9.4	3.5	7.4	4.2	1.8	1.3	3.5	2.7	2.6	1.8	9.1	1.1	8.9
3.0	2.7	2.5	0.7	4.3	9.0	6.1	5.7	4.4	1.4	2.0	2.6	3.0	2.4	2.2	11.4	1.7	8.7	5.1	1.9	2.0	2.4	3.2	3.5	3.1	9.5	0.4	9.6
3.6	2.1	1.6	0.7	2.9	7.9	7.0	4.7	4.7	1.9	2.7	2.5	2.4	1.0	2.0	10.5	3.2	7.8	4.0	2.0	2.8	1.8	2.6	3.5	3.6	8.7	1.3	9.1
1.3	0.6	0.9	0.9	3.7	13.9	5.4	5.3	6.3	2.0	1.7	0.6	1.1	1.2	3.3	13.5	1.3	8.2	4.2	0.7	0.5	0.8	2.2	3.1	5.7	12.8	0.9	9.4
0.5	0.1	0.1	0.4	2.5	20.1	3.7	5.9	6.6	1.0	0.5	0.0	0.5	0.4	1.6	18.5	0.3	9.9	4.2	0.2	0.2	0.1	1.3	1.5	4.6	17.7	0.3	10.8
0.4	0.1	0.0	0.1	3.3	22.4	2.0	7.3	4.4	0.2	0.2	0.1	0.3	0.1	1.6	23.9	0.3	11.6	3.1	0.7	0.2	0.0	1.1	1.6	4.5	19.4	0.4	10.7
0.1	0.0	0.1	0.1	2.6	20.4	4.1	5.4	6.7	0.7	0.2	0.0	0.2	0.2	0.9	22.5	0.6	9.9	3.3	0.3	0.1	0.1	0.4	1.5	4.4	20.3	0.8	10.0
0.7	0.1	0.6	0.4	2.4	16.1	6.1	4.4	5.9	0.8	0.2	0.1	0.3	0.3	1.0	19.0	2.5	7.1	4.7	1.1	0.5	0.2	1.2	1.7	3.0	16.2	1.5	7.6
2.3	1.6	0.4	1.3	2.6	12.0	5.6	4.6	6.3	3.1	2.4	0.5	1.3	0.9	1.0	12.8	2.7	6.0	6.5	2.9	2.1	1.1	2.9	2.5	1.6	10.4	0.9	6.5
2.7	1.3	0.9	0.9	2.1	10.1	7.4	3.6	3.4	3.4	2.4	1.5	1.2	0.9	1.6	10.6	4.6	4.9	6.2	2.9	3.5	2.5	2.4	2.3	1.7	7.7	1.7	6.1
3.0	2.7	1.3	1.0	3.6	10.3	5.6	4.9	3.2	1.7	2.4	3.0	1.2	1.4	2.5	10.2	5.0	5.8	6.5	2.1	2.6	3.1	2.5	2.1	1.6	9.1	1.5	7.1
22.9	16.6	12.0	10.2	35.1	160.6	64.4	5.2	56.3	17.6	18.0	18.5	15.3	12.3	24.3	172.1	30.7	7.9	57.3	18.2	16.3	18.8	26.4	29.1	37.9	148.9	12.4	8.7
7-8	7-8	7-8	7-8	7-8	7-8	7-8	7-8	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	13					1.0	10.0									6	8
4.3	4.4	4.0	27.3	50.5	27/40	3.2	0.7	6.4	0.1	0.2	1.3	2.5	1.9	12.0	4.7	1.3	0.0
3.8	4.4	3.7	14.5	20.6	9/41	2.9	0.3	5.0	0.1	0.1	0.9	1.2	1.5	11.9	3.6	1.3	0.0
4.1	4.7	4.0	23.3	26.5	16/38	3.5	0.7	5.3	0.0	0.3	2.2	0.3	1.9	12.6	4.7	2.0	0.1
3.5	4.2	3.7	8.7	11.4	23/43	1.7	0.3	3.1	0.0	0.2	1.0	0.1	2.1	11.7	4.9	1.4	0.1
3.0	3.8	3.2	2.5	9.2	3/46	1.0	0.0	1.4	0.0	0.1	1.6	0.0	2.2	13.7	2.5	0.6	0.0
0.3	0.5	0.4	tr	tr	16/44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	29.1	0.0	0.0	0.0
0.5	0.5	0.5	tr	tr	3/38,8,10,16/43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	29.0	0.0	0.5	0.0
0.2	0.3	0.3	tr	tr	10/40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	30.4	0.0	0.0	0.0
0.6	0.6	0.6	0.1	0.5	23/39	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.5	27.9	0.1	0.0	0.0
2.8	3.4	2.8	3.2	15.2	20/42	0.7	0.1	1.5	0.0	0.1	1.1	0.1	1.1	19.5	2.2	0.0	0.0
5.3	4.6	4.3	20.5	23.1	29/38	3.3	0.5	5.5	0.0	0.0	2.0	1.8	0.6	12.4	3.8	0.8	0.0
4.3	4.6	4.1	17.7	28.2	13/38	3.0	0.5	4.5	0.0	0.3	1.2	2.2	0.4	11.5	5.8	0.5	0.0
2.7	3.0	2.6	117.8 9.8	30.5	27/1/40	19.3	3.1	32.9	0.2	1.3	11.5	8.2	15.0	221.7	32.1	7.9	0.2
11	11	11	11	11		11	11	11	11	11	11	11	11	11	11	11	11

HADITHA 1937-1943 LATITUDE 34° 04′N LONGITUDE 42° 22′ E

TEMPERATURE—in Degrees Fahrenheit.

MONTH	Mean. G.M.T. 02	06	18	Mean	Mean Max.	Mean Min.	Highest Max	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	D
January	...	40.1	56.4	48.3	62.0	35.2	85	4,24,25/42	46	15/38 13/40	58	27/40	13	
February	...	44.7	61.0	52.9	66.3	37.2	88	2/42	41	28/38	52	18/40	21	
March	...	51.1	65.6	58.3	72.1	41.3	92	10/42	49	1/39	59	29/38	23	{9,1
April	...	65.4	81.7	73.5	84.6	54.0	107	29/38	62	13/39	73	28/38	35	
May	...	77.8	93.4	85.5	96.8	62.6	112	6,7,8/42	81	{4/38 4/40	81	26/39	44	
June	...	85.4	103.2	94.3	103.9	70.4	116	23/42	86	2/43	98	24/42	52	
July	...	89.5	107.3	98.4	109.5	79.2	123	19,20/40	97	3,9/42	94	{23/42 22/43	61	
August	...	88.6	107.3	98.0	110.4	75.1	121	31/38	99	24/39	91	6/38	63	
September	...	81.3	100.0	90.7	102.5	67.8	116	3/38	82	20/40	79	6/42	48	
October	...	70.1	88.0	79.1	91.1	58.5	104	4,10,11,12/40	71	18/40	75	9/40	47	
November	...	54.3	71.3	63.1	75.5	46.3	104	10/41	61	8/38	76	3/41	30	
December	...	42.3	59.5	51.1	64.1	38.0	87	17/41	49	25/39	56	{8,9/40 4/42	21	
Year	...	65.9	82.9	74.4	86.5	55.4	123	19,20/7/40	41	28/2/38	98	24/6/42	13	
No. of Years	...					4–5		Years						

MONTH	Mean Pressure* Millibars G.M.T. 02	05	18	Mean.	Mean Relative Humidity Per Cent G.M.T. 02	06	18	Mean.	Mean Vapour Pressure Millibars G.M.T. 02	06	18	Mean.	Mean Low Cloud A Tenths G.M.T. 02	06	18
January	...	1019.0	1016.8	1017.9	...	82	52	67	...	7.1	7.8	7.5	...	2.4	2.2
February	...	1018.0	1015.2	1016.6	...	77	45	61	...	7.8	7.9	7.5	...	2.3	3.1
March	...	1015.8	1013.2	1014.5	...	29	35	32	...	8.5	7.5	8.0	...	2.0	3.6
April	...	1013.9	1010.8	1012.3	...	49	25	37	...	10.6	8.3	9.5	...	1.5	2.6
May	...	1010.2	1007.5	1008.9	...	31	15	23	...	9.9	7.7	8.8	...	0.8	1.2
June	...	1005.2	1008.7	1003.9	...	27	11	19	...	10.5	8.1	9.3	...	0.1	0.1
July	...	1000.9	998.5	999.7	.	23	12	20	...	13.1	9.7	11.4	...	0.0	0.1
August	...	1003.1	1000.8	1001.9	...	31	13	22	...	13.8	10.5	12.1	...	0.2	0.1
September	...	1008.5	1006.1	1007.3	...	29	14	21	...	10.8	8.7	9.7	...	0.2	0.2
October	...	1014.3	1012.0	1013.1	...	44	23	33	...	10.6	9.7	10.1	...	1.5	1.9
November	...	1018.1	1015.6	1016.9	...	69	41	55	...	10.1	10.2	10.1	...	2.3	1.7
December	...	1021.4	1018.9	1020.1	...	80	52	66	...	7.9	8.9	8.4	...	2.1	2.4
Year	...	1012.4	1009.8	1011.1	...	48	32	38	...	10.1	8.7	9.4	...	1.3	1.6
No. of Years	...	4–5	Years		...	4–5	Years		...	4–5	Years		...	4–5	Ye

ITHA 1937-1943 **HEIGHT ABOVE M.S.L. 140.2 m.**

WIND—Average Frequency from Specified Directions.

0200 G. M. T.								0600 G. M. T.										1300 G. M. T.									
E	NE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
...	...	...	...	...	...	...	...	1.8	0.9	3.2	3.4	2.1	2.1	5.2	7.4	4.9	5.7	4.2	0.8	3.9	4.6	2.4	1.4	3.4	9.6	0.7	9.4
...	...	...	...	...	...	...	...	2.1	0.0	2.0	3.6	1.6	1.4	4.4	8.6	4.6	6.6	4.0	2.2	2.1	4.6	1.1	0.8	2.7	8.9	1.8	10.3
...	...	...	...	...	...	...	...	3.3	0.0	2.3	3.1	1.6	1.2	5.0	11.9	2.6	9.2	3.5	1.1	1.4	4.6	2.7	2.2	4.8	9.6	1.1	12.2
...	...	...	...	...	...	...	...	4.2	0.8	3.2	2.0	0.8	0.4	3.2	12.6	2.8	8.8	3.4	1.0	2.6	4.6	2.0	2.0	4.0	10.0	0.4	11.8
...	...	...	...	...	...	...	...	2.6	0.6	1.2	0.8	0.2	0.2	4.8	20.4	0.2	14.0	3.5	0.8	1.0	1.0	1.5	2.8	4.4	15.8	0.7	11.5
...	...	...	...	...	...	...	...	1.5	0.0	0.0	0.4	0.4	0.6	4.2	22.0	0.9	15.8	4.7	0.2	0.5	1.4	0.7	0.8	5.2	16.2	0.3	11.7
...	...	...	...	...	...	...	...	2.4	0.2	0.0	0.0	0.0	0.0	6.0	20.8	1.6	16.2	3.0	0.8	0.0	0.2	0.5	3.0	5.3	18.0	0.2	12.5
...	...	...	...	...	...	...	...	2.5	0.0	0.0	0.0	0.0	0.0	4.3	24.2	0.0	12.3	2.8	0.5	1.7	0.5	0.7	1.0	5.5	18.3	0.0	11.0
...	...	...	...	...	...	...	...	2.6	0.0	1.4	0.0	0.2	0.0	4.8	19.5	1.5	11.5	2.4	0.4	0.7	0.7	1.0	1.7	4.8	17.5	0.8	11.2
...	...	...	...	...	...	...	...	3.2	0.8	2.8	1.1	0.0	0.6	4.7	15.1	2.7	7.7	5.0	1.5	2.2	4.3	2.0	1.0	3.0	10.5	1.5	8.8
...	...	...	...	...	...	...	...	2.1	1.6	2.7	0.9	0.8	0.5	4.5	8.8	8.1	4.7	4.5	2.1	4.4	4.9	0.8	0.9	3.1	6.1	3.2	7.0
...	...	...	...	...	...	...	...	2.4	0.8	1.9	2.3	0.6	1.3	7.1	7.3	7.3	4.7	4.1	1.9	2.8	5.3	1.9	1.0	2.3	9.1	2.6	8.0
...	...	...	...	...	...	...	...	30.7	5.7	20.7	17.6	8.3	8.3	58.2	178.6	37.2	9.8	45.1	12.8	23.3	36.7	17.3	18.6	48.5	149.6	13.3	10.5
											4	—5	yr	s.							4	—5	yrs				
...	...	...	...	...	...	...	...																				

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days wih at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	13					1.0	10.0									6	8
4.2	4.4	4.3	24.7	21.4	11/42	4.0	1.5	4.7	0.4	0.0	0.0	0.9	1.1	10.7	6.6	1.4	0.0
4.3	5.0	4.7	24.7	25.0	9/41	4.8	0.5	6.0	0.2	0.0	0.3	1.0	0.2	8.0	6.4	2.2	0.0
4.2	5.4	4.8	19.2	12.0	24/43	4.4	0.2	6.0	0.0	0.0	0.3	0.0	0.6	6.4	6.2	3.4	0.0
4.1	5.1	4.6	27.0	39.5	8/39	3.0	0.4	5.0	0.0	0.2	3.4	0.6	2.0	10.0	6.8	2.4	0.0
2.6	3.3	2.9	3.4	7.3	1/39	0.8	0.0	0.8	0.0	0.4	0.6	0.0	0.0	5.8	3.7	1.8	0.0
0.8	1.1	0.7	tr.	tr.	4/39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	28.0	0.2	1.6	0.0
0.7	0.5	0.6	tr.	tr.	8,9,11,38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	1.0	4.8	0.2
0.5	0.5	0.5	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	27.7	0.2	2.0	0.0
0.7	0.5	0.6	0.8	3.2	15/38	0.2	0.0	0.2	0.0	0.0	0.2	0.0	0.2	26.7	0.5	4.5	0.0
3.1	3.2	3.1	18.5	27.0	18/40	3.3	0.5	4.4	0.0	0.0	1.0	0.1	1.0	14.6	3.5	2.0	0.0
4.1	3.8	3.9	24.1	46.3	24/37	2.5	0.9	4.0	0.0	0.0	1.2	0.5	0.0	12.0	3.4	0.5	0.0
4.1	4.1	4.1	22.1	20.3	19/39	2.7	1.0	3.9	0.0	0.0	0.0	1.2	0.1	10.3	6.0	0.1	0.0
2.7	3.1	2.9	13.7	46.3	24/11/37	25.7	5.0	35.0	0.8	0.6	7.0	4.3	6.0	187.0	44.5	26.7	0.2
3—5	ye	ars	4—	5	years			4	—	5—	y ears						

HINAIDI 1923-1937 LATITUDE 33° 17′ N. LONGITUDE 44°2

TEMPERATURE. (Fahrenheit)

MONTH	Mean G.M.T. 02	Mean G.M.T. 06	Mean G.M.T. 18	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	D
January	40.6	43.8	57.1	47.2	58.8	38.0	71	10/31	42	16/25	56	19/26	19	26
February	45.4	50.4	63.2	53.0	63.9	42.4	82	19/32	39	8/32	60	17/26,23/30	22	
March	50.3	59.3	73.5	61.0	74.5	47.7	97	19/25	49	2/28	68	19/31	26	
April	59.6	72.0	83.9	71.8	85.3	56.9	110	24/28	64	8-23,25-24	79	6/28	41	
May	68.7	84.0	94.7	82.5	97.3	67.1	112	16,17/27	70	4/31	85	19/27,20/29	54	
June	75.0	90.2	103.3	89.5	105.5	73.5	117	24,25,28,21-32	88	2/33	87	4/27	61	
July	80.0	93.4	108.5	94.0	110.0	77.9	121	13-24,21-35	96	5/26	92	16/23	68	25
August	79.6	93.6	110.2	94.5	111.5	77.3	120	6-26,4-30 24-32,7-36	96	10/28	92	25/24	66	
September	72.5	86.9	103.1	87.5	104.7	69.9	117	7-29,2,3-35	82	18/32	84	24/29	57	21/26
October	63.3	75.5	90.8	76.5	93.1	60.6	106	2-30,2-33	72	29/24	78	3/30	44	
November	53.7	61.1	74.4	63.1	76.0	51.5	98	1/32	54	21/32	68	7/32	28	
December	43.3	47.4	60.8	50.5	62.4	40.9	80	3-25	37	27/24	59	22/33	24	28,2
Year	61.0	71.5	85.3	72.6	86.9	58.6	121	13-7-24,21-7-35	37	27/12/24	92	16/7/23,28-8-24	19	26,
No. of Years	9	9	9	9	12	12	15		15		15		15	

MONTH	Mean Pressure Millibars G.M.T. 02	G.M.T. 06	G.M.T. 18	Mean	Mean Relative Humidity Per Cent G.M.T. 02	G.M.T. 06	G.M.T. 18	Mean	Mean Vapour Pressure Millibars G.M.T. 02	G.M.T. 06	G.M.T. 18	Mean	Mean Low Cloud A (Tenths) G.M.T. 02	G.M.T. 06	G.M.T. 18
January	1019.4	1020.7	1018.7	1019.6	84	72	51	69	7.4	8.0	8.1	7.8	2.5	2.3	2.6
February	1015.3	1016.4	1014.5	1015.4	81	67	44	64	8.4	9.3	8.7	8.8	1.5	1.8	2.6
March	1014.3	1015.6	1013.3	1014.4	64	53	27	48	8.2	9.2	7.7	8.4	1.2	1.5	1.9
April	1010.8	1011.9	1010.0	1010.9	62	45	26	44	10.7	12.1	9.9	10.9	1.7	1.6	1.9
May	1008.8	1009.0	1007.5	1008.3	49	34	20	34	11.8	13.1	10.7	11.9	1.2	1.0	1.6
June	1008.3	1008.8	1002.3	1008.1	33	25	13	24	9.7	12.0	9.9	10.5	0.1	0.2	0.3
July	998.4	999.0	997.5	998.3	32	26	14	24	10.7	13.8	11.5	12.0	0.2	0.1	0.2
August	1000.2	1000.9	999.4	1000.2	31	25	13	23	10.8	13.6	11.2	11.9	0.2	0.0	0.1
September	1006.2	1007.1	1005.4	1006.2	36	27	14	26	9.7	12.0	10.3	10.7	0.2	0.5	0.8
October	1012.9	1014.1	1012.1	1013.0	46	36	21	34	8.6	10.4	10.1	9.7	0.5	0.7	1.0
November	1016.7	1017.9	1015.9	1016.8	69	60	39	56	9.8	11.0	10.8	10.5	1.7	1.8	2.5
December	1019.2	1019.9	1018.6	1019.2	83	78	51	71	8.5	8.6	9.3	8.8	1.9	2.4	2.5
Year	1010.4	1011.3	1009.6	1010.1	56	46	28	43	9.5	11.1	9.9	10.2	1.1	1.2	1.5
No. of Years	9	9	9	9	9	9	9	9	9	9	9	9	4	4	4

1923–1937

HEIGHT ABOVE M. S. L. 32.0 m.

WIND—Average Frequency from Specified Directions

0200 G. M. T.								0600 G. M. T.										1300 G. M. T.									
[illegible]	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
.5	2.7	1.8	0.8	4.8	7.9	4.9	8.0	3.2	1.4	1.2	3.2	1.6	1.4	5.9	7.6	5.4	7.4	7.4	1.8	1.7	3.0	1.8	1.0	2.7	9.1	2.6	10.2
.9	3.6	1.9	0.9	3.0	3.9	6.6	7.2	4.0	0.7	2.6	4.6	2.0	1.2	3.9	4.4	4.9	8.4	5.3	0.9	2.0	4.1	2.0	1.1	3.1	7.4	2.2	10.4
.8	3.6	1.2	0.6	4.4	7.1	4.9	7.3	5.0	0.9	2.0	4.8	1.9	0.5	3.9	8.5	3.5	9.7	5.8	0.7	1.9	3.8	2.1	0.9	3.6	9.5	2.7	11.3
.0	3.6	2.2	0.8	2.9	5.6	5.3	7.5	5.4	1.5	1.6	3.8	3.0	1.0	4.9	6.6	2.4	10.3	5.8	0.8	1.2	2.5	2.1	1.6	5.5	8.3	2.2	10.7
.6	1.4	1.0	0.8	4.3	6.1	6.2	6.5	6.9	2.6	2.4	1.3	1.5	0.8	5.8	7.4	2.3	10.7	5.3	0.5	1.2	2.1	1.6	1.6	8.8	7.7	2.2	10.8
.5	0.0	0.1	0.2	3.6	15.5	2.4	7.4	6.1	0.9	0.2	0.1	0.1	0.4	5.8	15.3	1.1	11.0	4.5	0.1	0.0	0.0	0.3	1.0	8.1	14.7	1.3	12.4
.1	0.1	0.1	0.3	6.4	15.0	2.6	9.2	5.3	0.3	0.0	0.0	0.2	0.3	5.6	18.8	0.5	13.0	2.9	0.0	0.1	0.0	0.4	1.2	8.4	16.7	1.3	11.2
.1	0.0	0.1	0.1	3.7	14.1	3.5	8.0	6.4	0.6	0.2	0.0	0.5	0.1	4.9	17.6	0.7	11.6	4.8	0.5	0.0	0.1	0.4	0.5	6.3	16.9	1.5	11.6
.6	0.4	0.3	0.1	4.2	10.5	5.0	6.0	6.4	1.3	0.4	0.3	0.8	0.7	5.6	12.7	1.8	9.8	6.0	0.6	0.3	0.5	0.4	0.8	5.1	14.4	1.9	11.2
1.7	1.4	0.5	0.5	4.0	7.5	7.8	5.6	6.0	2.1	1.4	1.7	1.1	1.0	5.2	9.5	3.0	8.8	5.5	1.2	1.6	1.3	1.3	1.0	3.3	12.4	3.4	9.6
2.7	2.7	1.1	0.6	3.8	7.0	7.9	5.0	4.0	0.8	2.3	4.3	2.0	0.8	4.8	7.0	4.0	8.0	4.6	0.7	2.3	3.4	2.2	0.7	3.3	8.5	4.3	8.8
1.7	2.1	1.1	0.7	6.8	6.1	8.6	6.0	2.8	0.8	2.0	3.6	1.2	0.9	7.4	7.2	5.0	7.3	5.0	0.8	2.3	2.2	1.3	0.8	3.4	9.5	5.6	7.7
9.2	21.6	11.4	6.4	51.9	106.3	6.57	7.0	61.5	13.9	16.3	27.7	15.9	9.1	63.7	122.6	34.6	9.7	62.9	8.6	14.6	23.0	15.9	12.2	61.6	135.1	31.2	10.5
9	9	9	9	9	9	9	4	9	9	9	9	9	9	9	9	9	4	9	9	9	9	9	9	9	9	9	4

Total Cloud Amount Tenths			Rainfall (mms.)					Mean Number of Days									
[illegible] T.		Mean	Mean	Max. Fall in 24 Hours	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force N t less than	
6	13					1.0	10.0									6	8
3.8	4.2	3.8	29.6	29.3	11/34	3.7	1.1	5.3	0.0	0.0	0.4	1.7	0.6	12.8	6.1	3.0	0.2
4.0	4.2	3.7	29.4	37.7	12/23	4.0	1.0	5.2	0.0	0.0	0.6	0.7	1.4	10.6	4.7	2.0	1.3
3.7	4.0	3.5	9.7	14.1	9/24,14/26	1.9	0.1	2.6	0.0	0.1	0.5	0.1	2.2	14.0	3.7	2.5	0.5
3.5	4.3	3.7	11.3	23.6	14/36	1.7	0.6	2.9	0.0	0.1	1.9	0.3	2.0	13.5	3.4	1.0	0.3
2.7	4.0	3.2	9.4	19.6	12/35	1.5	0.5	2.1	0.0	0.1	2.6	0.1	1.5	15.1	3.1	3.7	0.3
0.4	0.7	0.5	0.1	0.9	1/26	0.0	0.0	0.1	0.0	0.0	0.3	0.0	1.2	27.7	0.1	4.0	0.0
0.3	0.6	0.4	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	29.1	0.3	2.3	0.0
0.3	0.3	0.3	tr.	tr.	5/36	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.5	24.1	0.0	2.3	0.0
0.5	0.4	0.4	0.1	0.7	30/25	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.6	25.9	0.1	3.3	0.3
2.0	2.4	1.9	3.1	7.0	30/37	0.9	0.0	1.2	0.0	0.0	0.9	0.1	0.9	19.5	1.1	3.0	0.0
3.8	4.1	3.4	25.5	31.0	10/26	3.6	0.8	3.6	0.0	0.0	0.7	0.7	1.1	13.9	5.0	1.7	0.0
4.3	4.6	3.9	23.8	38.3	15/30	2.8	0.8	3.5	0.0	0.4	0.7	1.9	0.5	11.7	5.3	3.3	0.3
2.4	2.9	2.4	142.0	38.3	15/12/30	20.2	4.9	26.6	0.0	0.7	8.8	5.6	16.1	213.9	32.9	32.1	3.2
9	9	9	15	15		15	15	15	15	15	15	15	15	15	15	4	4

KHANAQIN 1939-1947 LATITUDE 34° 18′ N LONGITUDE 45° 26′ E

TEMPERATURE (Fahrenheit)

MONTH	Mean. G.M.T. 02	Mean. G.M.T. 06	Mean. G.M.T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January	44.0	47.5	57.3	49.6	58.8	40.7	81	3,4-44	36	5-42	58	5-44	20	
February	45.3	49.9	61.1	52.1	62.9	41.6	85	28-41, 9-44	46	12-38	59	17-40	28	
March	50.1	58.5	66.9	58.5	68.9	46.6	89	14,27-44	44	1-38	79	14-44	28	
April	58.0	71.8	80.7	70.1	82.6	55.3	102	28-44	58	1-46	75	17,29-44	35	
May	69.8	85.4	94.0	83.1	95.8	66.4	110	8,9,10-42	75	4-38	82	26-40, 14-43, 31-47	50	
June	75.6	94.2	103.8	91.2	105.1	72.6	117	25,28-42	94	8-42	90	15-38, 19,20,22-42	58	
July	80.5	96.5	109.0	95.4	110.6	78.1	122	19-40	101	3-42	98	9-38, 7-47	66	
August	78.6	94.4	108.5	93.8	109.9	76.5	121	7-34, 8-38	95	27-41	96	1-45	53	
September	73.1	88.6	102.1	88.0	103.3	69.8	117	1-45	87	30-38	84	14-47	51	
October	65.3	76.9	89.5	77.2	91.5	62.5	107	17-46	70	30-45	79	22-43, 21-44, 5-46	41	
November	55.6	62.7	73.8	64.0	76.9	53.0	95	7-40	54	30-41	74	1-47	35	
December	46.9	50.7	62.2	53.4	64.1	43.3	78	1,2-43	49	26-39	64	2-37	23	
Year	61.9	72.3	84.1	73.0	85.0	58.9	122	19-7-40	36	5-1-42	98	9,7-38, 7,7-47	20	
Min. No. of Years	9	9	9	9	9	9	9		9		9		9	

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Amount (Tenths) G. M. T. 02	06	13
January	1018.6	1019.0	1016.9	1018.2	82	76	54	70	8.2	8.5	8.6	8.4	2.7	3.2	3.6
February	1016.7	1017.7	1015.5	1016.6	79	70	45	65	8.0	8.5	8.1	8.2	2.2	2.7	3.5
March	1014.7	1015.2	1013.3	1014.4	77	68	42	60	9.4	10.0	9.8	9.7	2.7	2.9	3.3
April	1012.5	1012.6	1010.6	1011.9	61	43	27	43	10.2	10.8	9.0	10.0	2.1	2.0	2.9
May	1008.0	1007.6	1005.7	1007.1	43	28	19	30	10.2	10.7	9.7	10.2	1.6	1.3	1.9
June	1002.6	1001.8	1000.4	1001.6	30	19	12	20	8.9	9.8	9.2	9.3	0.1	0.1	1.3
July	997.8	997.2	993.2	996.1	28	20	13	20	10.0	10.4	11.0	10.5	0.3	0.2	0.3
August	999.8	999.2	997.3	998.3	29	19	15	21	9.6	11.3	10.5	10.5	0.5	0.1	0.2
September	1005.7	1005.9	1003.8	1005.1	27	21	12	20	7.7	9.0	8.0	8.2	0.3	0.3	0.6
October	1013.1	1013.5	1011.2	1012.6	39	30	20	30	8.2	9.2	9.0	8.8	1.3	1.3	1.8
November	1016.8	1017.2	1013.1	1015.7	66	57	39	54	10.0	10.7	10.4	10.4	2.0	2.6	3.0
December	1018.5	1020.4	1018.0	1019.0	80	70	49	66	8.8	8.8	9.2	8.9	2.3	2.6	2.9
Year	1010.4	1010.6	1008.3	1009.7	53	43	29	42	9.1	9.8	9.4	9.4	1.5	1.6	2.1
Min. No. of Years	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

QIN 1939-1947 **HEIGHT ABOVE M.S.L. 201.2 m.**

WIND Average Frequency from Specified Directions

0200 G.M.T.								0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
13.9	3.6	4.4	0.1	2.1	0.3	5.3	3.8	1.3	1.6	11.8	4.4	4.5	0.7	1.0	0.3	5.4	4.1	2.5	1.0	3.0	2.4	5.9	2.8	8.3	2.6	2.5	5.1
12.6	2.6	3.5	0.3	1.4	0.2	5.2	3.3	0.8	1.5	11.6	4.9	2.8	0.7	1.7	0.3	3.9	3.8	2.5	0.4	1.6	2.6	5.8	3.3	8.4	3.0	0.6	5.8
14.9	3.1	2.8	0.4	2.1	0.1	5.1	3.3	2.3	1.7	12.1	4.1	3.9	1.1	1.8	0.7	3.3	3.9	4.2	0.8	2.3	2.7	5.0	3.4	8.1	3.4	1.1	5.7
16.3	3.3	2.7	0.1	1.1	0.1	5.2	3.0	2.4	2.6	10.0	2.5	3.0	1.0	2.2	1.7	4.6	4.1	2.8	0.5	2.0	2.0	2.4	3.0	11.9	4.0	1.4	5.6
17.3	2.6	1.9	0.5	2.0	0.3	4.0	4.0	2.1	3.2	8.6	2.2	2.7	0.4	4.2	3.3	4.3	3.7	2.7	0.2	1.9	1.6	2.3	3.2	12.1	6.3	0.7	5.9
16.9	2.0	1.2	0.1	1.3	0.1	7.3	5.1	4.0	3.1	9.9	0.9	1.4	0.6	6.0	0.7	3.4	3.0	3.1	0.0	0.2	0.5	1.5	1.1	16.4	6.8	0.4	5.3
14.2	1.4	0.7	0.4	2.8	0.1	10.1	1.9	2.1	2.9	8.0	1.2	0.7	0.9	5.6	3.4	6.2	2.9	3.1	0.4	1.0	0.4	2.0	1.8	16.5	5.6	0.2	6.3
15.7	2.2	0.7	0.0	0.8	0.2	7.8	2.3	2.8	1.8	8.6	1.9	0.7	0.5	4.4	2.8	7.4	2.9	3.0	0.8	1.5	0.2	1.0	1.2	16.4	6.6	0.3	5.4
14.8	2.7	1.4	0.1	3.0	0.5	6.0	2.4	1.0	2.4	10.7	1.9	0.5	0.4	3.8	2.5	6.9	2.5	3.5	0.5	0.6	0.3	0.9	1.5	13.8	5.6	2.8	5.0
17.4	2.7	1.5	0.0	1.3	0.7	4.3	2.7	1.6	1.4	12.6	2.6	1.7	0.6	2.9	0.9	6.7	2.8	3.4	0.5	1.6	0.9	3.4	1.9	12.7	5.6	1.0	5.3
14.4	3.2	2.2	0.4	2.1	0.7	5.4	2.6	1.2	1.6	13.6	4.1	2.0	0.2	1.4	0.5	5.4	2.2	3.0	0.9	2.5	1.3	3.3	2.0	8.9	5.8	2.4	4.4
14.1	2.5	3.1	0.2	1.2	0.2	7.8	2.7	1.4	1.2	13.2	3.0	3.6	0.2	0.9	0.2	7.3	3.0	3.0	0.4	3.0	1.9	4.9	2.1	10.1	3.0	2.6	4.1
182.5	31.9	26.1	2.6	20.2	3.5	73.5	3.1	23.0	25.0	130.7	33.6	27.5	7.3	35.9	17.3	64.8	3.3	36.8	6.4	21.2	17.2	38.4	27.3	143.6	58.3	16.0	5.3
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	18					1.0	10.0									6	8
5.2	5.6	5.0	81.0	50.8	5/46	7.7	2.4	11.3	0.0	0.3	1.3	8.4	0.0	7.5	6.4	0.7	0.0
4.6	5.4	4.6	57.7	60.5	23/43	6.4	1.6	7.3	0.0	0.3	0.9	0.2	0.1	7.3	4.7	0.7	0.0
5.1	5.4	4.9	75.1	93.4	21/43	7.7	2.0	9.7	0.1	0.3	1.7	0.3	0.0	6.9	9.3	0.9	0.1
3.9	4.9	4.1	22.4	42.2	6/39	3.4	0.7	5.3	0.0	0.3	2.4	0.0	0.0	10.7	6.1	0.4	0.1
3.4	4.3	3.7	13.5	22.2	12/44	1.9	0.2	3.1	0.0	0.3	1.1	0.0	1.4	12.0	1.3	0.2	0.0
0.3	1.0	0.6	tr	tr	7/42, 10/44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	28.2	0.2	0.0	0.0
0.5	0.9	0.8	1.0	9.1	10/38	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.8	23.8	0.5	0.0	0.0
0.4	0.6	0.5	0.2	1.9	23/38	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	28.5	0.0	0.0	0.0
0.6	0.9	0.7	tr	tr	10,27/38, 24/39, 28/42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	27.9	0.1	0.1	0.0
2.8	3.5	3.0	10.0	54.8	30/37	0.9	0.2	2.0	0.0	0.0	0.7	0.0	0.9	15.5	2.0	0.0	0.0
4.5	5.0	4.3	41.8	32.4	18/40	4.8	1.5	6.4	0.0	0.0	0.0	0.1	0.0	11.5	4.0	0.0	0.0
4.5	4.8	4.5	42.3	54.1	20/39	5.4	1.2	6.9	0.0	0.0	0.2	0.1	0.3	10.1	4.0	0.1	0.0
3.0	3.5	3.1	345.0 28.7	93.4	21/3/43	38.4	10.0	52.2	0.1	1.5	3.3	9.1	4.0	189.9	38.6	3.4	0.2
9	9	9	9	9		9	9	9	7	7	7	7	7	5	5	9	9

KIRKUK 1938-1947 LATITUDE 35° 28' N LONGITUDE 44° 24' E

TEMPERATURE Fahrenheit.

MONTH	Mean G. M. T. 02	Mean G. M. T. 06	Mean G. M. T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	D
January	42.3	45.7	52.9	47.0	54.3	38.5	67	5,8/41	30	4/42	51	1/40	20	
February	43.8	49.3	57.1	50.1	59.2	40.0	80	25/41	39	28/45	61	26/41	20	
March	48.2	55.8	63.2	55.7	65.1	44.4	84	27/44 28/47	46	7/43	63	14/44	22	
April	57.6	68.2	77.0	67.6	78.0	54.1	98	30/44	53	13/39	72	27/44	34	
May	69.0	83.2	91.3	81.2	93.3	65.7	110	7/42	74	5/44	80	26/39 12,16,26/41 8/42	49	
June	77.8	93.2	101.4	90.8	103.1	74.3	115	24/42	87	2/43	91	22/42	57	
July	82.2	96.8	107.0	95.3	108.6	78.6	118	23/40	99	4/40 3/42 7/46	96	21/40	68	
August	81.7	96.2	106.4	94.8	108.0	78.4	116	13,14/42 5,6/43	95	25/39	91	8,9 40	67	
September	74.8	88.5	99.0	87.4	100.7	70.7	115	3/45	84	29/38	86	10/44	49	
October	65.3	76.9	85.8	76.0	87.7	62.7	103	1,2/43	70	25/47	79	2/43	34	
November	55.5	62.9	70.5	63.0	72.6	51.8	91	1/44	52	30/41	69	9/41 2/42 5,8/47	34	
December	45.6	50.9	58.4	51.6	60.6	42.1	79	1/47	43	4/41 26/47	60	17/43	21	
Year	62.0	72.3	80.8	71.7	82.6	58.4	118	28/7/40	30	4/1/42	96	21/7/40	20	
Min. No. of years	9	9	9	9	9	9	9		9		9		9	

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Am Tenths G. M. T. 02	06	13
January	1018.9	1019.5	1018.0	1018.8	85	79	65	76	8.2	8.5	8.8	8.5	3.0	3.3	3.5
February	1017.8	1018.1	1016.5	1017.5	79	71	55	68	7.8	8.5	8.5	8.3	2.2	2.7	3.4
March	1015.7	1015.7	1014.2	1015.1	76	64	50	63	8.8	9.8	9.6	9.4	2.4	2.7	3.2
April	1013.4	1013.2	1011.6	1012.7	69	53	40	54	10.8	12.3	10.9	11.3	1.7	1.5	2.3
May	1009.1	1008.5	1007.0	1008.2	47	32	22	34	10.9	11.7	10.0	10.9	1.0	1.0	1.9
June	1003.9	1003.1	1001.4	1002.8	31	20	13	21	9.9	10.4	8.9	9.7	0.2	0.2	0.6
July	999.0	998.2	996.5	997.9	31	20	14	22	11.6	12.1	11.0	11.6	0.1	0.1	0.3
August	1000.9	1000.2	998.4	999.8	28	19	11	19	10.1	10.6	9.0	9.9	0.1	0.1	0.2
September	1007.2	1006.7	1004.7	1006.2	31	21	13	22	8.9	9.8	8.3	9.0	0.2	0.2	0.4
October	1014.3	1014.0	1012.2	1013.5	44	33	23	33	9.4	10.1	9.4	9.6	0.9	1.0	1.4
November	1017.6	1017.8	1016.1	1017.2	67	58	44	56	10.0	10.9	10.6	10.5	2.1	2.3	2.5
December	1020.6	1020.9	1019.2	1020.2	79	70	65	71	8.3	9.0	9.6	9.0	2.2	2.6	2.6
Year	1011.5	1011.3	1009.7	1010.8	56	45	35	45	9.6	10.3	9.5	9.8	1.3	1.5	1.8
Min. No. of years	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

UK 1938 – 1947

HEIGHT ABOVE M.S.L. 330.8 m

WIND – Average Frequency from Specified Directions.

0200 G.M.T.								0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm*	N	NE	E	SE	S	SW	W	NW	C	Vm*
5.6	3.6	1.9	0.1	0.1	0.9	3.9	6.0	4.7	5.9	5.2	6.3	2.1	0.3	0.3	1.0	5.2	5.8	2.7	1.2	3.4	4.9	5.1	2.3	2.7	5.0	3.7	6.0
4.8	2.4	1.2	0.0	0.1	0.8	2.3	5.8	3.9	6.4	4.9	4.8	1.1	0.1	0.1	1.1	5.8	5.2	2.3	2.2	2.1	5.1	4.1	2.2	3.4	4.0	2.7	6.6
5.0	4.2	1.0	0.3	0.4	0.4	3.3	5.3	4.2	4.9	4.1	4.8	2.0	0.9	1.3	1.8	7.0	5.3	3.2	1.1	2.3	5.5	3.7	3.3	3.9	5.0	3.0	7.2
4.5	2.2	0.2	0.0	0.5	0.5	2.7	5.1	5.2	3.9	3.7	5.3	2.0	1.4	1.1	1.6	5.8	5.3	3.3	2.3	1.9	3.8	4.2	3.8	3.6	4.6	2.5	7.0
3.4	1.4	0.3	0.4	0.7	1.6	3.3	5.0	4.5	4.2	2.2	3.0	4.2	0.8	2.4	4.5	5.2	5.8	3.3	1.8	0.9	1.8	4.0	4.6	5.8	6.9	1.9	9.3
1.9	0.8	0.0	0.2	0.3	1.8	3.9	4.5	5.9	2.9	1.8	1.7	2.0	0.9	3.0	7.5	4.3	6.1	2.6	0.9	0.5	1.0	3.3	4.7	7.8	7.7	1.5	8.2
1.0	0.5	0.3	0.2	0.0	3.4	4.6	4.1	5.2	2.7	1.2	1.8	1.5	1.0	2.7	9.4	5.5	6.3	2.9	1.0	0.1	1.0	2.6	4.6	8.8	8.1	1.9	8.7
1.3	0.3	0.0	0.1	0.2	1.8	3.9	4.7	4.6	3.2	1.4	1.7	1.4	0.7	2.9	8.5	6.6	5.4	3.0	0.8	0.6	0.4	2.9	4.9	8.7	8.3	1.5	8.3
2.4	0.3	0.0	0.3	0.2	1.7	2.8	5.0	5.8	3.8	1.5	1.4	1.4	0.4	2.3	5.3	3.1	4.5	2.4	0.3	0.1	0.5	3.7	3.0	9.3	8.5	2.2	8.1
3.5	1.7	0.7	0.1	0.5	0.6	2.9	5.2	6.2	5.0	2.9	3.8	1.5	0.2	1.1	2.5	7.8	4.8	2.9	1.3	0.7	2.2	5.0	2.5	5.9	5.9	4.6	7.0
4.5	2.4	0.7	0.3	0.5	0.6	2.8	5.6	5.7	8.1	4.2	3.3	1.3	0.2	0.5	2.2	4.5	5.5	3.3	1.4	1.6	3.7	4.9	1.8	4.3	5.2	3.8	6.0
3.2	2.3	1.1	0.2	0.1	0.9	3.3	5.1	8.1	6.9	4.4	3.6	1.2	0.2	0.1	1.8	4.7	4.9	3.8	1.9	1.9	5.3	3.2	1.5	3.8	5.0	4.6	6.3
41.1	22.1	7.4	2.2	3.6	15.0	39.9	5.1	64.0	57.9	37.5	41.5	21.7	7.1	17.8	47.2	70.5	5.4	35.7	16.2	16.1	35.2	46.7	39.1	68.0	74.2	33.9	7.4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	5	9	9	9	9	9	9	9	9	9	9	9

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
M. T. 06	M. T. 18	Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least 1.0	No. of Days with at least 10.0	Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than 6	Wind Force Not less than 8
5.3	5.7	5.2	80.2	42.9	27/40	9.6	2.9	11.7	0.3	0.2	0.9	1.2	0.2	8.6	10.2	0.8	0.1
4.7	5.1	4.5	64.6	53.9	14/46	7.0	2.1	9.0	0.2	0.2	1.3	0.1	0.3	10.4	6.3	0.5	0.0
5.1	5.4	4.9	87.8	80.4	7/46	8.7	2.9	10.2	0.1	0.6	3.1	0.0	0.3	9.5	8.7	0.7	0.0
4.0	4.5	4.0	44.0	40.9	6/39	8.0	1.5	7.3	0.0	0.3	3.6	0.0	0.2	11.8	5.5	0.3	0.0
3.1	4.3	3.5	3.0	17.0	2/46	1.9	0.1	2.4	0.0	0.0	1.8	0.0	0.9	14.2	3.7	0.2	0.0
0.7	1.1	0.9	tr	tr	2,4,5/39 10,22/44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	26.2	0.2	0.1	0.0
0.3	0.8	0.5	0.0	0.3	11/47	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	29.2	0.0	0.1	0.0
0.4	0.5	0.5	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	28.5	0.2	0.0	0.0
0.5	0.6	0.5	0.5	3.2	28/42	0.2	0.0	0.2	0.0	0.0	0.3	0.0	0.4	28.2	0.0	0.0	0.0
2.6	3.2	2.7	4.9	9.0	31/33	1.3	0.0	2.2	0.0	0.0	0.8	0.0	1.0	18.2	2.1	0.0	0.0
4.5	4.7	4.3	51.1	44.0	3/45	5.7	1.9	7.3	0.0	0.1	1.7	0.0	0.3	11.7	6.1	0.1	0.0
4.6	3.9	4.1	47.1 383.2	46.3	30/45	5.6	1.9	7.9	0.0	0.0	0.8	0.2	0.1	15.1	7.3	0.2	0.0
3.0	3.3	3.0	35.3	80.4	7/8/46	48.0	13.3	58.3	0.6	1.4	14.3	1.5	5.0	211.6	50.3	3.0	0.1
9	9	9	9	9		9	9	9	9	9	9	9	9	9	9	9	

KUT-AL-HAI 1940-1947 LATITUDE 32° 10′N LONGITUDE 46° 03′ E

TEMPERATURE—in Degrees Fahrenheit.

MONTH	Mean. G.M.T. 02	06	18	Mean	Mean Max.	Mean Min.	Highest Max	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	L
January	44.3	48.7	61.1	51.4	62.6	41.8	76	28/41	43	5/42	59	5/44	20	
February	47.8	53.1	65.8	55.6	67.8	44.0	85	24,27/41	49	7/45	59	14/43	31	
March	52.9	61.9	72.7	62.5	74.2	50.8	92	14/44	56	7/43 1/45	69	28/44	32	
April	61.7	74.1	84.1	73.3	85.9	59.9	104	30/44	65	1/46	78	27/47	43	
May	72.7	88.4	98.8	86.6	100.2	70.6	115	12,13,16,26/41	83	15/47	87	31/45	57	
June	78.8	96.9	106.8	94.2	108.2	76.5	121	26/42	93	2/43	89	26/42	65	
July	81.9	97.1	109.9	96.3	111.6	78.4	122	21/43	100	3/40	90	27/41 28/42	71	3/
August	80.9	97.0	110.7	96.2	112.1	78.7	120	26/43	99	27/41	87	8/42 6/43	66	
September	74.8	90.9	104.9	90.2	106.4	72.9	119	3/45	95	28/41	88	2/40	61	28/
October	66.6	80.6	93.9	80.4	96.0	64.6	111	3/47	77	23/46	78	2/40	44	
November	57.3	66.6	78.4	67.4	80.6	55.2	98	1/44	59	24/44	72	4/47	40	
December	46.8	52.2	65.7	55.1	67.6	44.8	84	1/43	50	23/45	61	1/45	24	
Year	63.9	75.7	87.7	75.8	89.4	61.5	122	21/7/43	43	5/1/42	90	27/7/41 23/7/42	20	
No. of Years	7	7	7	7	7	7	7		7		7		7	

MONTH	Mean Pressure* Millibars G.M.T. 02	05	18	Mean.	Mean Relative Humidity Per Cent G.M.T. 02	06	18	Mean.	Mean Vapour Pressure Millibars G.M.T. 02	06	18	Mean.	Mean Low Cloud A Tenths G.M.T. 02	06	18
January	1019.2	1020.3	1018.1	1019.2	82	78	51	70	10.8	10.7	10.4	10.5	1.8	1.9	2.3
February	1017 7	1018.6	1016.5	1017.6	77	69	40	62	8.6	9.4	8.7	8.9	1.6	1.3	2.0
March	1015.0	1015.9	1014.0	1015.0	75	62	38	58	10.5	11.7	10.2	10.8	1.7	1.6	2.4
April	1012.2	1013.1	1011.2	1012.2	64	48	29	47	12.3	13.6	11.1	12.3	1.3	1.2	1.5
May	1007.6	1008.5	1006.7	1007.6	51	31	18	32	13.8	14.1	11.4	13.1	1.0	0.5	0.8
June	1002.3	1002.8	1001.5	1002.2	38	23	13	25	11.9	12.9	10.4	11.7	0.1	0.0	0.0
July	997 7	998.4	996.9	997.7	33	22	15	23	12.1	14.8	13.1	13.3	0.0	0.0	0.0
August	999.5	1000.2	998.7	999.3	32	24	14	23	11.6	14.3	12.3	12.7	0.1	0.0	0.0
September	1005.7	1006.5	1004.9	1005.7	37	27	15	26	10.7	13.1	11.5	11.8	0.1	0.0	0.1
October	1013.1	1014.0	1012.3	1013.1	49	38	24	37	10.9	13.8	12.7	12.5	0.8	0.6	0.8
November	1016.9	1017.7	1015.8	1016.8	71	60	41	57	11.9	13.5	13.0	12.8	1.7	1.5	2.1
December	1019.9	1020.9	1018.8	1019.9	82	74	50	69	9.2	10.3	10.6	10.0	1.9	1.9	2.2
Year	1010.6	1011.4	1009.6	1010.6	58	46	29	44	11 1	12.7	11.3	11.7	1.0	0.9	1.2
No. of Years	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

·AL-HAI 1940-1947 HEIGHT ABOVE M.S.L. 14. 9 m.

WIND—Average Frequency from Specified Directions.

0300 G. M. T.								0600 G. M. T.										1800 G. M. T.									
E	·E	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
5.3	2.4	0.8	1.7	8.8	3.9	5.0	5.3	2.5	0.9	4.3	3.9	1.4	1.6	7.7	5.2	3.5	6.8	3.3	0.4	4.0	3.8	2.3	1.1	4.2	10.0	1.9	7.0
5.0	0.6	1.0	1.2	8.1	4.3	3.7	5.1	2.4	1.3	4.3	3.4	0.9	1.4	6.4	5.1	2.7	6.4	4.6	1.2	2.4	4.0	1.4	1.0	3.3	8.7	1.6	8.1
5.1	1.6	1.1	2.3	6.9	5.1	4.6	5.9	3.7	1.3	5.4	4.0	1.0	1.1	5.9	7.4	1.2	7.9	4.3	1.3	4.6	4.3	1.6	0.7	4.1	9.2	0.9	8.7
3.6	2.9	1.1	1.2	6.3	6.1	3.4	5.4	4.0	1.9	4.1	2.6	2.0	1.2	6.4	6.1	1.7	7.4	5.4	2.3	3.3	3.6	1.3	0.9	3.5	9.1	0.6	8.9
1.6	1.0	1.1	0.7	7.9	8.3	4.0	4.4	4.8	1.9	2.3	1.7	1.4	2.3	6.3	8.9	1.4	7.1	6.0	1.1	1.7	2.1	1.6	2.0	6.9	9.2	0.4	8.7
0.3	0.0	0.4	0.7	10.4	12.8	0.9	6.1	5.3	0.4	0.6	0.3	0.4	0.6	8.1	14.0	0.3	8.8	2.6	0.1	0.2	0.5	0.7	0.6	9.4	15.5	0.4	10.8
0.6	0.4	0.2	1.2	12.1	13.3	1.2	6.4	3.4	0.4	0.5	0.1	0.7	0.7	10.9	13.7	0.6	8.7	1.4	0.0	0.3	0.8	0.6	1.2	10.6	15.8	0.3	11.1
0.3	0.0	0.2	0.9	10.6	11.4	2.9	5.4	4.5	0.5	0.7	0.4	0.1	0.9	9.9	12.3	1.7	8.0	2.7	0.0	0.5	0.7	0.2	0.6	10.6	14.6	1.1	9.7
0.6	0.0	0.2	1.4	9.4	11.4	3.0	7.1	4.0	0.6	1.2	1.0	0.3	1.0	6.6	12.9	2.4	5.7	3.1	0.4	0.6	0.6	0.7	0.9	6.9	14.8	2.0	8.0
3.0	0.6	0.6	1.4	6.8	7.6	3.9	4.7	5.4	2.4	3.8	3.8	0.8	0.9	3.5	8.0	2.4	5.9	4.0	1.5	2.0	3.4	1.7	0.7	5.0	9.7	3.0	6.2
3.4	1.1	1.0	1.1	8.8	5.5	4.0	4.4	3.3	2.4	3.8	2.8	1.4	1.1	6.1	6.0	3.1	5.1	4.1	1.7	3.6	2.8	0.6	0.8	3.0	9.5	3.0	5.9
3.8	1.7	0.5	0.9	8.8	5.9	5.4	4.7	2.8	1.8	4.5	2.1	0.9	0.6	6.8	7.2	4.3	5.2	4.4	2.5	3.9	3.0	0.9	1.2	3.3	9.0	2.8	5.9
32.6	12.3	8.2	14.7	104.9	95.6	42.0	5.4	46.1	15.8	35.5	26.1	11.3	13.4	84.6	107.1	25.3	6.9	45.9	12.5	27.1	29.6	13.6	11.7	71.7	135.1	18.0	8.3
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

n Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days										
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days wih at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	18					1.0	10.0									6	8
4.1	4.5	4.0	36.4	41.9	14/47	4.4	1.0	5.7	0.0	0.1	1.4	1.3	0.6	11.7	5.4	0.6	0.0
3.2	3.8	3.4	17.8	26.9	8/41	2.7	0.7	4.9	0.0	0.1	0.4	0.4	0.4	13.6	3.1	0.1	0.0
4.2	4.8	4.3	31.9	49.1	13/46	3.7	0.6	5.3	0.0	0.0	2.9	0.1	0.3	9.7	4.6	0.4	0.0
3.5	3.7	3.6	10.2	25.0	22/46	1.9	0.1	3.4	0.0	0.1	2.1	0.0	0.9	14.7	4.9	0.4	0.0
3.1	3.5	3.3	3.6	9.0	5/47	0.9	0.0	1.4	0.0	0.0	1.7	0.0	2.1	14.6	2.7	0.3	0.0
0.2	0.3	0.2	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	29.2	0.1	0.0	0.0
0.4	0.2	0.4	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	29.9	0.0	0.7	0.0
0.3	0.2	0.3	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	29.8	0.0	0.2	0.0
0.3	0.3	0.3	tr.	tr.	28/42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	29.1	0.1	0.1	0.0
2.8	3.0	2.8	1.8	8.4	30/43	0.4	0.0	1.2	0.0	0.0	0.8	0.3	0.4	16.8	1.9	0.0	0.0
4.2	4.2	4.4	20.3	29.2	23/47	2.9	0.6	4.3	0.0	0.0	1.7	1.0	0.0	10.6	6.1	0.0	0.0
4.5	4.9	4.5	20.6	17.4	1/46	3.4	0.6	4.6	0.0	0.0	0.6	0.6	0.0	10.1	6.6	0.2	0.0
2.6	3.3	2.6	142.6 11.9	49.1	13/3/46	20.3	3.6	30.8	0.0	0.3	11.6	3.4	3.6	219.8	35.5	3.0	0.9
7	7	7	7	7		7	7	7	7	7	7	7	7	7	7	7	7

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MOSUL (German) 1903-1914 LATITUDE 36° 21' N LONGITUDE 43°14'

MONTH	TEMPERATURE (Fahrenheit) Mean G.M.T. 02	06	18	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Date
January				49.4	50.4	33.8	63 9						0.4	
February				53.5	55.9	37.5	67.1						5.2	
March				63.7	65.2	42.3	83.7						29.1	
April				71.8	73.7	49.9	91.8						36 3	
May				83.2	87.4	58.6	103.5						39.7	
June				92.6	99.4	67.9	110.5						56.3	
July				100.2	106.8	74.9	118.8						55.7	
August				99.2	106.6	73.4	117.7						59.2	
September				93.8	100.1	66.9	113.9						52.2	
October				81.0	87.4	56.6	99.0						46.2	
November				70.9	79.9	46.8	86.5						29.1	
December				55.6	56.7	38.4	71.8						24.3	
Year				84.3	80.4	53.9	118.8						0.4	
Min No. of Years				4	4	4	4						4	

MONTH	Mean Pressure Millibars G.M.T. 02	06	18	Mean	Mean Relative Humidity Per Cent G.M.T. 02	06	18	Mean	Mean Vapour Pressure Millibars G.M.T. 02	06	18	Mean	Mean Low Cloud Am (Tenths) G.M.T. 02	06	18
January		1001.0						80							
February		996.3						78							
March		996.0						68							
April		992.0						67							
May		990.2						53							
June		983.7						33							
July		981.0						28							
August		982.4						26							
September		990.4						36							
October		995.2						49							
November		1000.7						70							
December		1002.4						72							
Year		992.9						56							
Min No. of Years		1						4							

L (German) 1908-1914 **HEIGHT ABOVE M. S. L. 298.7 m.**

WIND—Average Frequency from Specified Directions

0200 G. M. T.									0600 G. M. T.										1300 G. M. T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
								1.9	4.3	5.3	6.2	1.5	1.9	2.2	5.6	2.2											
								1.1	2.8	3.4	5.6	2.0	2.8	2.8	5.9	1.7											
								0.9	3.7	5.0	7.1	1.5	1.9	3.1	5.0	2.8											
								1.2	3.6	5.1	7.5	1.2	1.2	1.8	5.4	3.0											
								1.9	5.3	4.0	4.7	0.9	2.5	2.2	5.0	4.7											
								2.1	5.7	3.6	2.1	0.3	1.5	2.7	7.8	4.2											
								3.7	3.1	2.2	2.5	0.6	1.2	4.0	9.6	4.0											
								4.3	2.5	2.8	1.9	0.6	1.5	3.7	8.7	5.0											
								5.1	3.0	3.0	2.7	1.5	1.5	3.3	6.0	3.9											
								3.7	3.1	3.7	4.3	1.9	0.9	3.4	5.3	4.7											
								3.3	3.6	4.5	4.2	2.4	0.9	3.0	5.7	2.4											
								1.2	5.3	4.3	5.6	1.5	1.9	2.8	5.3	3.1											
								30.4	46.0	46.9	54.4	15.9	19.7	35.0	75.3	41.7											
								4	4	4	4	4	4	4	4	4											

Total Cloud Amount Tenths			Rainfall (mms)					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 Hours	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force N t less than	
06	13					1.0	10 0									6	8
		5.5	71.4	30.5				11.0									
		5.5	37.9	40.6				10.5									
		4.2	61.7	34.3				8.0									
		5.1	61.0	26.2				10.5									
		3.6	11.9	8.4				5.3									
		0.7	0.8	?				0.5									
		0.5	0.0	0.0				0.0									
		0.5	0.0	0.0				0.0									
		0.7	0.3	?				0.0									
		2.4	16.5	17.5				1.3									
		3.3	71.1	75.9				4.8									
		4.7	55.9	23.4				8.5									
		3.4	424.5	75.9				60.4									
		4	4	4				6									

MOSUL 1923-1947 LATITUDE 36° 19' N LONGITUDE 43° 09' E

TEMPERATURE (Fahrenheit)

MONTH	Mean G.M.T. 02	Mean G.M.T. 06	Mean G.M.T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.
January	38.2	39.9	51.9	43.3	53.7	35.4	66	5-29	28	1,2-25 5-42	52	27-24	12
February	40.8	44.0	57.6	47.4	57.9	38.2	78	25-41	33	8,9-25	55	25-41	21
March	43.9	51.1	64.6	53.2	66.4	41.6	87	19,23-25 22-32	41	1-28	62	21-25 14-44	25
April	51.4	62.9	76.0	63.4	75.4	49.0	104	24-28	52	13-39	69	6-28	31
May	59.9	71.6	89.4	75.6	92.0	57.5	108	28-45	70	1-39	79	21-29	44
June	67.5	88.0	101.2	85.6	103.0	65.3	115	24-42	83	2-33	89	29,30-26	50
July	74.6	92.8	108.3	89.6	109.1	71.7	124	21-37	94	5-26	91	8-38	59
August	72.5	90.8	107.7	90.3	109.4	69.9	119	7-37	92	10-28	90	7-26 4-36	55
September	63.7	80.9	99.7	81.4	101.6	60.8	117	4-35	75	18-32	77	8-41	45
October	52.2	67.6	86.1	68.7	88.5	51.8	104	4-44	48	27-32	71	21-43 17-47	32
November	48.3	54.6	69.8	57.6	72.1	45.8	95	4-32	48	27-32	66	8-32	26
December	40.0	42.8	57.1	46.6	58.1	37.5	76	3-43	31	30-24	59	1-45	19
Year	54.4	65.6	80.8	66.9	82.3	52.0	124	21-7-37	28	1,2-1-25 5-1-42	91	8-7-38	12
Min. No. of Years	19	19	19	19	21	21	24		23		23		24

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Am (Tenths) G. M. T. 02	06	13
January	1019.7	1020.8	1018.4	1019.6	92	90	65	82	7.4	7.8	8.6	7.9	4.0	4.5	4.3
February	1017.2	1018.2	1015.6	1017.0	91	86	58	78	8.1	8.5	9.0	8.5	3.5	3.6	4.3
March	1015.5	1016.4	1013.6	1015.2	87	76	46	70	8.6	9.8	9.4	9.2	2.9	2.9	3.8
April	1012.8	1013.6	1010.9	1012.4	86	68	41	65	11.0	13.2	11.9	12.0	2.6	2.3	3.1
May	1009.7	1009.8	1007.1	1009.0	73	45	25	48	12.6	13.8	10.8	12.5	1.2	1.1	2.5
June	1004.5	1004.2	1001.5	1003.4	53	29	15	33	12.0	13.3	10.3	11.9	0.4	0.3	1.3
July	999.4	999.2	996.6	998.4	43	29	15	29	12.9	15.0	12.2	13.4	0.4	0.3	0.9
August	1001.9	1002.0	998.9	1000.9	45	28	13	29	12.3	13.7	11.5	12.5	0.3	0.2	0.6
September	1008.5	1008.4	1005.1	1007.4	54	32	16	34	10.7	11.7	10.1	10.9	0.4	0.4	0.8
October	1015.1	1015.6	1013.1	1014.6	65	46	29	44	9.5	10.6	10.5	10.2	0.9	1.2	1.6
November	1018.4	1019.3	1016.3	1018.0	82	72	47	67	9.7	13.2	11.2	11.4	2.4	2.9	3.0
December	1020.8	1022.0	1019.3	1020.7	91	88	61	80	7.9	8.4	9.6	8.6	2.8	3.5	3.2
Year	1012.0	1012.5	1009.7	1011.4	72	57	36	55	10.2	11.6	10.4	10.7	1.8	1.9	2.5
Min. No. of Years	18	18	18	18	19	19	19	19	19	19	19	19	15	15	15

19:3-1947

HEIGHT ABOVE M.S.L. 222.6 m.

WIND Average Frequency from Specified Directions

0200 G.M.T.									0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
2.8	2.3	1.0	0.3	1.0	3.7	15.4	2.5	3.7	1.4	2.5	2.6	1.4	0.5	1.1	4.1	13.6	3.5	2.7	1.7	3.9	4.2	2.3	1.3	2.7	3.7	5.5	4.8
2.5	2.5	1.2	0.7	1.4	2.4	13.7	2.8	3.4	1.3	3.1	2.6	1.3	0.7	1.4	3.8	10.8	3.0	2.6	2.2	4.2	4.0	3.1	1.5	2.1	3.1	5.4	4.5
3.0	1.2	0.9	0.4	1.8	3.5	15.7	2.4	4.9	1.7	3.3	2.5	1.1	0.2	1.6	5.7	10.2	3.4	3.9	2.2	3.7	3.2	3.1	2.2	2.9	4.3	5.4	5.2
1.5	0.7	1.2	0.6	1.6	3.3	17.4	1.7	5.9	2.3	2.9	2.3	0.7	0.3	1.2	4.8	9.4	3.0	5.4	2.7	3.4	2.3	2.4	1.8	3.3	5.1	3.7	4.9
0.9	0.4	0.4	0.1	1.7	5.1	16.2	1.5	7.9	2.6	3.1	1.6	0.5	0.2	0.9	5.3	8.8	3.1	7.6	2.9	2.5	1.3	2.0	3.2	3.3	4.9	3.2	5.3
0.8	0.5	0.4	0.3	1.2	4.7	15.3	1.9	9.2	1.8	2.3	0.6	0.2	0.1	1.2	7.8	6.8	4.0	5.3	2.4	1.7	0.9	2.1	4.1	4.9	5.1	3.6	5.8
0.7	0.4	0.1	0.2	1.8	6.8	13.2	3.4	8.9	2.6	2.0	0.7	0.4	0.2	1.4	9.5	5.3	4.0	5.0	2.5	2.3	2.0	3.1	3.0	4.7	4.4	4.0	4.8
1.1	0.2	0.2	0.2	1.1	4.4	14.9	2.0	11.1	2.7	1.3	0.3	0.1	0.0	1.0	7.8	6.7	3.8	5.4	2.1	1.8	1.3	2.0	3.5	5.0	5.5	4.4	4.6
0.4	0.2	0.2	0.4	1.3	3.4	17.1	1.4	9.7	2.5	0.7	0.4	0.2	0.1	1.3	7.3	7.8	3.1	4.6	1.9	1.1	1.3	2.4	3.7	4.5	6.1	4.5	4.5
1.0	0.6	0.7	0.3	1.4	2.9	18.8	1.3	6.9	2.2	1.6	0.6	0.4	0.1	1.6	6.3	11.3	2.4	5.4	1.9	1.9	1.9	3.2	2.1	3.6	5.0	6.0	4.3
2.0	1.2	1.0	0.2	1.4	3.5	16.8	2.2	4.7	1.7	2.5	1.9	0.8	0.1	1.0	4.2	13.2	2.3	3.7	1.7	3.5	2.6	1.8	0.8	1.9	4.9	9.1	3.7
2.1	1.4	0.4	0.5	1.1	3.2	17.5	1.8	4.4	1.7	2.5	2.1	0.9	0.4	1.6	3.8	13.6	2.1	3.0	1.5	4.1	2.6	1.7	0.5	2.3	4.3	10.7	2.0
18.8	11.6	7.7	4.2	16.8	46.9	16.0	2.0	80.7	24.5	27.8	18.2	8.0	2.9	15.3	70.4	117.5	3.1	54.8	26.0	34.0	27.6	29.2	27.7	41.2	56.4	68.5	4.0
19	19	19	19	19	19	19	14	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	1

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	13					1.0	10.0									6	8
6.0	5.9	5.6	73.3	37.5	13/33	10.2	4.6	11.4	0.5	0.3	0.7	5.7	0.0	8.6	11.4	0.0	0.0
5.9	6.3	5.8	72.9	56.7	21/42	10.3	1.8	11.1	0.1	0.5	1.5	3.2	0.1	6.2	9.7	0.1	0.0
5.3	5.8	5.3	46.5	32.5	31/34	7.7	1.5	8.9	0.0	0.5	2.3	1.3	2.9	8.8	8.7	0.2	0.0
4.7	5.5	4.9	44.1	74.8	11/31	6.3	1.2	7.7	0.0	0.7	4.3	1.3	0.2	9.0	6.9	0.6	0.1
3.6	5.1	4.0	16.3	38.6	2/27	3.6	0.4	3.9	0.0	0.3	3.6	0.1	0.9	9.1	3.9	0.1	0.0
0.6	1.6	1.0	0.5	3.2	25/46	0.4	0.0	0.4	0.0	0.0	0.7	0.0	0.2	25.5	0.2	0.1	0.1
0.6	1.1	0.8	0.2	2.3	24/24 8/43	0.1	0.0	0.1	0.0	0.0	2.0	0.0	0.3	27.0	0.2	0.1	0.0
0.5	0.7	0.6	tr	tr	3/03.11/3 2/37. 0/4 .6/44	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	23.4	0.1	0.0	0.0
0.7	1.0	0.8	1.1	1.3	16/28 20/38	0.1	0.0	0.2	0.0	0.0	0.3	0.2	0.5	26.2	0.2	0.1	0.0
2.7	3.2	2.6	8.5	27.4	27/24	1.8	0.3	2.5	0.0	0.0	1.0	0.1	0.8	17.6	2.5	0.1	0.0
4.9	5.2	4.6	55.3	86.3	27/29	7.1	1.9	7.8	0.0	0.1	2.1	3.0	0.3	11.4	7.3	0.1	0.0
5.4	5.4	5.1	57.5	70.9	30/45	7.6	1.7	8.5	0.0	0.2	0.7	6.0	0.0	9.2	10.5	0.0	0.0
3.4	3.9	3.4	376.2 81.8	66.3	27/11/29	55.7	13.4	62.5	0.6	2.6	10.8	21.4	6.4	187.0	61.6	1.8	0.2
19	19	19	24	24		24	24	24	24	24	24	24	21	24	24	24	24

NASIRIYAH 1940-1947 LATITUDE 31° 01′N LONGITUDE 46° 14′ E

MONTH	TEMPERATURE—in Degrees Fahrenheit. Mean. G.M.T. 02	06	18	Mean	Mean Max.	Mean Min.	Highest Max	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January	44.8	49.5	62.3	52.2	63.4	42.2	80	28/47	42	6/42	63	19/42	19	
February	49.2	53.8	67.3	56.1	68.5	45.5	88	21/40	53	9/45	63	18 21/40	28	
March	54.1	62.5	73.6	63.4	75.3	51.9	93	27/42	56	11/40	68	16/41 30/47	33	
April	63.8	74.0	85.2	74.3	86.2	61.7	109	28/42	68	1/45	76	27/47	43	
May	74.8	86.1	95.6	85.5	98.9	72.7	113	31/44	84	4/40	84	14/41 30/16 24/47	54	
June	79.6	90.0	101.9	90.5	103.4	75.5	118	28/47	88	3 5/43	89	25/42	65	13
July	79.6	91.8	105.6	92.3	108.7	77.0	119	22/43	91	8/42	86	25/40	69	11,13,
August	77.8	93.4	108.8	93.3	111.5	75.1	119	25/43	99	27/41	83	7/42 29/47	61	
September	72.1	86.4	105.1	88.5	106.4	69. 3	120	6/40	96	28/41	80	30/41	57	
October	65.6	79.9	94.3	79.9	96.2	63.3	110	2,3/47	77	29/46	80	3/40	46	
November	57.2	65.8	78.9	67.4	80.3	54.8	98	1.2/42	59	24/44	70	9/47	39	25
December	48.1	53.7	65.5	55.8	66.4	45.5	80	7/40	24,4/42 28/47	50	31/42	61	5/42	23
Year	63.9	74.1	87.0	75.0	88.8	61.2	120	6/9/40	42	6/1/42	89	25/6/42	19	
No. of Years	7	7	7	7	4-6	4-7	4-6		4-6		4-7		4-7	

MONTH	Mean Pressure Millibars G.M.T. 02	05	18	Mean.	Mean Relative Humidity Per Cent G.M.T. 02	06	18	Mean.	Mean Vapour Pressure Millibars G.M.T. 02	06	18	Mean.	Mean Low Cloud Amo Tenths G.M.T. 02	06	18
January	1018.5	1020.0	1017.3	1018.7	78	71	47	65	8.3	8.8	8.	8.7	1.6	1.7	1.9
February	1016 7	1018.1	1015.7	1016.8	74	63	41	59	8.2	9.1	8.9	8.7	0.9	1.1	1.9
March	1014.3	1015.8	1013.6	1014.6	71	57	36	55	10 3	10.8	9.6	10.2	1.0	1.3	2.0
April	1011.7	1013.0	1010.6	1011.8	63	45	28	45	13 0	12.9	11.1	12.3	1.2	1.1	1.3
May	1007.3	1008.5	1006.4	1007.3	53	36	25	38	15.8	14.4	14.1	14.7	1.0	0.7	0.9
June	1002.1	1003.1	1001.5	1002.2	48	37	25	37	16.6	17.7	17.0	17.1	0.1	0.2	0.4
July	997 8	998.7	997.4	997.9	44	32	21	32	14.8	16.0	16.1	15.7	0.2	0.8	0.9
August	999.6	1000.5	999.1	999.6	39	26	16	26	12.6	13.6	13.0	13.1	0.2	0.1	0.4
September	1005.5	1006 7	1004.7	1005.6	40	25	14	27	10.7	11.7	10.3	10.9	0.0	0.0	0.2
October	1012.6	1013.9	1011.5	1012 7	51	36	23	37	11.1	11.8	13.1	11.5	0.6	0.5	0.6
November	1016.2	1017.4	1014.9	1016.2	68	57	36	54	10.9	12.1	11.7	11.7	1.4	1.5	1.7
December	1019.0	1020.4	1018.1	1019.2	79	70	49	66	9.3	10.0	10.4	9.9	1.5	1.8	2.0
Year	1010.1	1011.8	1009.3	1010.2	59	46	30	45	11 8	12.4	12.0	12.1	0.8	0.9	1.2
No. of Years	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

H 1940 - 1947 **HEIGHT ABOVE M.S.L. 3.0 m**

WIND — Average Frequency from Specified Directions.

0200 G.M.T.								0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm*	N	NE	E	SE	S	Sw	W	NW	C	Vm*
2.4	3.6	1.6	1.0	5.9	7.0	5.9	7.1	1.0	1.3	1.9	3.4	2.1	1.9	7.0	8.4	4.1	8.0	2.1	1.6	2.7	2.7	1.7	1.6	5.7	10.0	3.0	9.4
3.9	2.4	1.2	1.8	4.9	7.8	3.9	7.1	1.2	0.4	2.9	3.6	1.1	2.2	6.5	7.6	2.8	8.4	2.9	0.9	3.1	3.9	0.4	0.4	5.1	9.8	1.9	11.3
2.5	4.4	2.1	1.7	4.4	7.9	3.9	7.1	3.1	1.3	2.4	3.8	2.4	1.2	6.1	8.1	2.5	8.0	4.3	1.2	4.0	3.3	2.1	1.0	4.4	9.4	1.4	11.3
2.7	2.9	2.1	0.9	2.4	7.9	5.7	6.0	3.1	1.4	3.4	1.9	2.5	0.9	5.1	9.7	3.1	8.1	4.3	0.5	5.6	3.1	0.3	0.1	3.6	11.0	1.6	10.1
0.6	2.4	1.5	1.6	4.9	7.9	4.6	6.7	4.7	0.9	1.4	1.4	2.4	2.4	4.9	10.0	3.0	8.9	3.1	1.5	5.1	1.6	0.9	0.3	2.9	12.4	3.2	10.8
0.3	0.0	0.7	0.9	7.7	14.8	2.0	8.9	2.4	0.1	0.2	0.3	0.4	0.2	6.9	18.4	1.1	10.4	3.3	0.3	1.0	0.1	0.1	0.0	5.5	18.9	0.8	13.1
0.3	0.1	0.4	1.0	8.1	17.4	2.6	8.7	1.6	0.0	0.1	0.5	0.1	0.4	7.8	19.5	1.0	11.2	2.1	0.1	0.9	0.3	0.0	0.0	6.4	20.1	1.1	14.1
0.5	0.1	0.7	1.1	7.8	16.9	2.3	8.3	1.5	0.7	0.1	0.1	0.1	0.5	7.1	19.1	1.6	9.8	3.3	0.2	0.7	0.3	0.4	0.3	4.8	19.4	1.7	12.5
0.4	0.6	0.9	1.4	5.8	15.4	4.4	6.8	1.9	0.0	0.1	0.5	1.4	0.4	5.7	17.0	3.0	8.7	3.5	0.4	1.4	0.1	0.4	0.4	2.9	18.4	2.4	11.1
2.3	2.2	2.4	2.7	3.9	9.3	3.7	6.3	3.1	0.6	1.5	3.1	2.9	2.1	4.4	10.7	2.7	7.1	6.2	1.4	3.2	2.9	1.5	1.0	2.2	10.1	2.6	8.4
2.4	3.4	1.7	1.9	4.8	8.5	4.1	6.1	2.2	0.9	2.4	3.3	2.0	2.2	5.5	9.5	2.0	6.7	4.1	0.5	4.4	2.9	2.1	0.4	2.7	10.4	2.4	8.3
3.4	3.5	1.7	1.7	5.6	8.0	3.7	6.8	1.2	0.6	2.5	3.7	2.3	2.0	6.8	9.7	2.3	7.6	3.2	0.9	4.5	3.7	1.2	0.8	4.9	10.6	2.3	7.4
21.7	25.6	17.0	17.7	66.2	128.8	46.8	7.2	27.0	7.9	18.9	25.6	20.0	16.4	73.8	146.7	20.2	8.7	41.4	9.5	36.6	25.2	11.3	6.3	51.1	16.5	24.4	10.7
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloud	Wind Force Not less than	
06	18					1.0	10.0									6	8
3.7	3.7	3.4	16.1	19.7	30/46	3.1	0.3	5.1	0.0	0.0	0.7	0.4	1.7	15.3	3.3	1.4	0.0
2.6	3.7	2.8	10.3	20.7	8/41	1.4	0.3	2.8	0.0	0.0	0.6	0.7	1.7	15.4	1.5	1.1	0.0
3.1	4.0	3.3	27.5	35.6	14/46	3.5	0.7	5.7	0.1	0.2	1.5	0.1	1.4	15.6	3.6	0.8	0.0
3.3	3.8	3.4	14.6	25.5	7/46	2.1	0.4	3.8	0.0	0.0	1.1	0.0	2.7	1.4	3.4	0.7	0.0
2.5	3.3	2.9	9.1	40.2	15/45	0.7	0.1	1.1	0.0	0.0	1.3	0.0	2.8	16.9	2.4	1.2	0.0
0.4	1.2	0.6	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	25.9	0.4	0.9	0.0
0.8	1.4	1.0	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	23.4	0.7	0.9	0.0
0.2	0.5	0.4	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	29.1	0.0	0.1	0.0
0.2	0.5	0.3	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	28.4	0.0	0.3	0.0
1.9	1.9	1.8	0.9	3.0	28/47	0.3	0.0	0.9	0.0	0.0	0.9	0.0	1.4	21.1	0.7	0.0	0.0
3.5	4.0	3.5	19.8	26.3	24/17	2.8	0.6	3.5	0.0	0.0	1.0	1.1	0.3	15.0	3.1	0.1	0.0
3.9	4.2	3.8	17.5	17.3	2/45	3.4	0.4	5.5	0.0	0.0	0.7	0.9	0.4	14.9	3.7	0.1	0.0
2.2	2.7	2.3	115.8	40.2	15/8/45	17.3	2.8	28.4	0.1	0.2	7.8	3.2	30.5	222.4	22.8	7.6	0.0
7	7	7	7	7		7	7	7	7	7	7	7	7	7	7	7	7

RAMADI 1923-1927;1932 – 1936 LATITUDE 33° 25 N LONGITUDE 43° 17' E

MONTH	TEMPERATURE Fahrenheit. Mean G. M. T. 02	06	18	Mean	Mean Max	Mean Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Date
January	39.2	42.9	56.9	46.3	57.9	36.9	70	30,31/35	47	9/33	56	28/24	19	
February	44.1	49.0	64.9	52.7	62.9	39.0	78	16/24	42	12/35	58	14/35	23	
March	48.9	48.9	73.5	57.1	75.2	47.8	96	19/25	56	9/24	60	21/25	32	
April	56.9	69.6	82.9	69.8	84.3	54.7	102	25/33,18/34 25/36	66	8/33	70	24/26,26/33	41	9/
May	67.6	82.2	93.8	81.2	97.4	66.0	113	31/24	78	4/34,13/35	79	12/36	55	
June	73.9	89.2	102.7	88.6	105.0	72.7	117	14/33	87	3,5/26	85	1/24	60	1/
July	78.8	92.4	108.1	92.9	109.6	76.4	120	21,22,23/35	95	4/33	87	14/24	63	1/
August	79.1	92.5	109.8	93.8	111.0	76.5	121	5/26,7/36	99	29/26	87	4,5,7,8/36	68	
September	70.0	83.8	101.2	85.0	103.5	67.6	117	3/35	88	21/36	80	29/25	55	
October	63.1	74.8	91.4	76.8	92.1	59.8	106	24,27/24	75	29/25	81	6/24	44	
November	52.1	59.4	75.0	62.2	74.8	50.0	89	3/34,7/35	55	21/32	68	7/32	29	
December	41.5	45.8	59.5	48.9	62.2	40.2	78	2/25	38	27/24	57	10/35	20	
Year	59.5	69.1	85.0	71.2	86.3	57.3	121	5/8/26,7/8/36	28	27/12/24	87	4/7/24 4,5,7,8/8/36	19	8
Min No. of years	4	4	4	4	7	7	7	7	7	7	7	7	7	

MONTH	Mean Pressure Millibars G. M. T. 02	06	18	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	18	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	18	Mean	Mean Low Cloud Amo Tenths G. M. T. 02	06	18
January	1020.1	1021.6	1019.2	1020.3	84	79	53	72	7.1	7.6	8.3	7.7			
February	1015.1	1016.3	1013.9	1015.1	82	76	47	68	8.4	9.2	8.9	8.8			
March	1018.9	1015.1	1012.2	1012.7	65	53	28	49	7.7	8.7	7.7	8.0			
April	1010.9	1012.1	1009.8	1010.4	59	42	22	41	9.2	10.2	8.0	9.1			
May	1008.3	1009.3	1006.7	1008.1	51	37	21	36	11.8	13.1	10.6	11.8			
June	1008.8	1004.4	1002.1	1003.4	37	26	14	26	10.4	12.0	9.9	10.8			
July	999.7	1000.3	998.1	999.4	33	27	5	25	11.0	14.0	12.0	12.3			
August	1001.1	1001.9	999.6	1000.9	37	31	16	28	12.5	15.9	13.9	14.1			
September	1006.5	1007.5	1005.1	1006.4	45	33	17	32	10.0	12.9	11.4	11.4			
October	1013.2	1014.4	1011.8	1013.1	45	37	20	34	9.2	10.7	10.1	10.0			
November	1016.7	1018.0	1015.6	1016.7	63	54	34	50	8.5	9.5	10.0	9.3			
December	1019.4	1020.3	1018.7	1019.7	81	76	50	69	7.5	8.3	8.9	8.2			
Year	1012.7	1013.3	1009.2	1010.7	57	48	28	44	9.4	11.0	10.0	10.1			
Min. No. of years	4	4	4	4	4	4	4	4	4	4	4	4			

MADI 1923-1927, 1932-1936 **HEIGHT ABOVE M.S.L. 48. 7 m.**

WIND—Average Frequency from Specified Directions.

0200 G. M. T.									0600 G. M. T.										1300 G. M. T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
2.5	1.3	0.7	0.0	5.0	11.2	5.5		6.5	0.7	2.7	1.3	0.7	0.7	4.0	11.5	2.7		7.7	1.0	2.3	2.0	4.0	0.2	2.5	9.5	1.7	
3.5	1.5	2.0	1.0	4.7	5.5	6.2		3.0	1.5	3.2	2.5	2.0	0.2	5.5	7.2	3.0		6.0	0.2	3.7	4.2	1.5	0.7	5.5	4.7	1.5	
3.3	1.3	0.7	0.0	4.5	9.3	7.3		5.5	1.0	2.3	2.0	1.8	0.7	4.7	11.0	2.5		5.7	2.0	3.5	3.5	2.0	0.7	4.0	6.7	2.7	
1.7	1.3	1.3	0.5	5.5	10.5	6.2		3.3	1.0	1.3	2.3	2.0	0.7	5.0	12.3	2.3		4.1	1.0	2.0	1.5	2.6	0.2	6.8	9.7	2.0	
1.0	0.5	0.5	0.3	7.9	9.5	5.8		4.7	0.7	1.5	1.5	2.3	0.7	6.0	10.5	3.0		3.5	1.0	3.5	1.7	1.7	1.0	8.0	8.3	2.3	
0.0	0.0	0.0	0.0	7.5	19.0	1.5		3.5	0.3	0.0	0.0	0.3	0.0	5.2	20.3	0.5		2.0	0.0	0.5	0.3	0.0	0.0	8.7	18.5	0.0	
0.3	0.0	0.3	0.0	10.3	18.7	0.0		2.5	0.0	0.0	0.0	0.3	0.0	5.7	22.5	0.0		2.0	0.3	0.0	0.0	0.0	0.5	9.5	18.7	0.0	
0.0	0.0	0.0	0.0	10.0	18.5	0.3		2.5	0.3	0.0	0.0	0.0	0.0	6.0	22.3	0.0		3.2	0.0	0.3	0.0	0.0	0.3	6.0	20.7	0.5	
0.3	0.0	0.3	0.5	6.7	18.5	1.3		3.5	0.3	0.0	0.0	0.7	0.0	3.3	21.7	0.5		6.5	0.7	0.8	0.5	1.3	0.7	4.5	15.3	0.3	
0.7	0.3	0.0	0.0	3.8	13.9	5.1		7.7	0.7	1.8	0.3	1.0	0.0	3.6	14.1	1.6		8.0	0.5	2.4	2.4	2.6	0.7	2.1	8.6	3.6	
1.0	0.7	0.3	0.7	4.7	12.0	5.0		7.0	0.3	1.5	2.3	1.3	0.0	2.7	13.0	2.0		7.3	1.3	2.7	2.5	2.5	0.3	2.7	8.5	2.3	
1.3	1.3	0.7	0.5	2.7	12.2	6.8		6.3	0.7	1.0	2.0	0.5	0.3	3.5	13.3	3.3		8.8	1.0	2.0	2.0	2.6	0.3	3.6	8.8	1.7	
15.3	7.8	6.4	3.4	70.4	157.5	50.4		55.7	7.1	15.0	13.8	11.9	3.3	55.0	179.0	22.2		64.2	8.8	22.7	20.3	20.4	5.4	63.6	134.6	18.2	
4	4	4	4	4	4	4		4	4	4	4	4	4	4	4	4		4	4	4	4	4	4	4	4	4	

Mean Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days wih at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	13					1.0	10.0									6	8
3.7	3.9	3.7	18.9	26.0	30/26	4.2	0.7	5.0	0.0	0.0	0.8	1.8	0.2	12.4	5.1		
3.7	4.5	3.8	25.9	30.4	12/25	4.9	0.6	5.1	0.0	0.0	0.7	0.3	1.1	10.9	5.6		
3.3	4.1	3.4	12.3	12.6	21/33	2.2	0.3	3.6	0.0	0.0	0.7	0.6	1.5	13.6	4.6		
2.7	3.6	3.0	5.0	13.2	14/36	1.9	0.1	3.1	0.0	0.0	1.4	0.3	1.2	14.7	1.9		
2.7	3.8	3.1	6.8	26.8	4/34	1.3	0.1	2.0	0.0	0.0	1.9	0.0	1.0	14.2	2.4		
0.3	1.0	0.6	0.2	1.5	2/23	0.1	0.0	0.1	0.0	0.0	0.1	0.0	1.5	26.7	0.1		
0.1	0.3	0.2	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	26.4	0.0		
0.5	0.5	0.6	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	25.6	0.3		
0.3	0.4	0.3	tr.	tr.	28,29,30/25	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	28.0	0.1		
2.7	2.8	2.5	1.3	0.6	19/35	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.5	15.8	1.5		
3.4	4.1	3.5	23.3	42.9	11/26	1.6	0.6	4.3	0.0	0.0	0.7	1.0	0.9	12.5	6.2		
4.7	4.3	4.3	21.0	20.2	17/35	3.0	0.7	4.7	0.0	0.0	0.5	1.1	0.3	9.4	5.0		
2.8	2.7	2.4	115.2	42.9	11/11/26	19.7	3.1	28.5	0.0	0.0	6.9	5.1	8.6	209.7	32.8		
4	4	4	8	7		7	7	7	7	7	7	7	7	7	7		

RUTBA 1928-1946 LATITUDE 33° 02′ N. LONGITUDE 40°17′

TEMPERATURE (Fahrenheit)

MONTH	Mean. G.M.T. 02	06	13	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Date
January	36.7	39.6	58.9	43.4	54.9	33.9	77	28/41	32	4/42	50	27/41	6	
February	39.6	43.9	58.9	47.5	60.1	36.6	89	24/41	34	28/38	59	26/41	17	
March	43.9	51.9	66.6	54.1	67.9	35.6	95	18/31	42	7/38	60	19/31 29/38	21	
April	52.2	63.2	77.3	64.2	78.0	50.0	101	30/44	49	8/37	71	26/39	32	
May	60.8	74.8	87.3	74.8	89.5	58.7	108	7/42	67	3/46	79	26/39	43	
June	66.3	81.9	95.7	81.3	96.8	65.1	111	17/40	78	2/34	79	9/10/32	54	
July	71.8	85.2	100.1	85.7	101.4	70.8	115	21,22/40	91	5/33 4/35	86	10/38	58	
August	71.8	85.2	100.7	85.9	102.3	69.9	114	10/30	90	10/28	87	7/36	59	
September	65.4	78.8	95.5	79.9	96.8	63.2	113	3/35	77	30/38	80	4/29 2/45	48	
October	56.1	68.3	83.9	69.4	85.5	54.5	100	4/28 9/04	63	30/45 28/46	73	4/28	36	
November	45.1	55.0	69.6	56.6	71.1	45.6	95	2/32	50	30/32	66	1/38	23	
December	39.2	42.8	57.8	46.6	58.7	36.5	76	15/40	37	14,28,31/36	59	20/33	16	
Year	54.1	64.2	78.9	65.7	80.3	51.7	115	21,22/7/40	32	4/1/42	37	7/8/36	6	6
Min No. of Years	15	17	17	17	17	17	17		17		17		17	

MONTH	Mean Pressure Millibars G.M.T. 02	06	13	Mean	Mean Relative Humidity Per Cent G.M.T. 02	06	13	Mean	Mean Vapour Pressure Millibars G.M.T. 02	06	13	Mean	Mean Low Cloud Amoun (Tenths) G.M.T. 02	06	13	M
January	1020.9	1021.7	1017.5	1020.0	82	78	47	69	6.2	6.6	6.6	6.5	1.8	2.4	3.0	
February	1018.1	1018.5	1014.6	1017.1	77	68	38	61	6.4	6.6	6.2	6.4	1.6	1.9	3.2	
March	1016.7	1016.9	1013.0	1015.5	65	49	29	48	6.4	6.8	6.3	6.5	1.3	1.6	2.7	
April	1014.4	1014.1	1010.8	1012.9	57	42	24	41	7.5	8.3	6.9	7.6	1.2	1.2	2.4	
May	1012.8	1011.2	1007.9	1010.4	48	34	18	33	8.5	9.7	7.5	8.6	1.0	0.8	1.8	
June	1008.5	1007.2	1003.7	1006.5	39	28	15	27	9.0	10.3	8.2	9.2	0.1	0.1	0.5	
July	1004.8	1003.3	1000.0	1002.5	42	28	14	28	11.1	11.8	9.1	10.7	0.2	0.1	0.3	
August	1006.0	1005.2	1001.5	1004.2	42	31	14	29	11.0	12.6	10.0	11.2	0.2	0.1	0.5	
September	1011.1	1010.5	1006.4	1009.2	41	33	17	30	9.5	13.0	9.8	10.8	0.3	0.2	0.6	
October	1016.7	1016.3	1012.2	1015.1	42	39	23	35	7.9	9.3	8.9	8.7	0.7	0.9	1.5	
November	1019.5	1019.5	1015.6	1018.2	68	59	37	55	8.1	8.7	8.8	8.5	1.3	1.9	2.4	
December	1021.8	1022.2	1018.5	1020.8	71	76	45	64	6.9	7.1	7.3	7.1	1.4	2.2	2.6	
Year	1014.2	1013.9	1010.1	1012.7	56	47	27	44	8.2	9.2	8.0	8.5	0.9	1.1	1.8	
No. of Years	15	17	17	17	15	17	17	17	15	17	17	17	10	12	12	

1928–1946 **HEIGHT ABOVE M.S.L. 615.5 m.**

WIND—Average Frequency from Specified Directions

0200 G. M. T.								0600 G. M. T.										1300 G. M. T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
1.4	1.6	3.1	7.1	3.8	1.3	11.6	6.1	0.7	0.7	1.9	1.6	3.2	9.2	5.3	2.5	5.9	7.9	1.8	1.3	3.6	3.2	2.8	3.5	6.5	5.2	3.1	11.0
1.5	1.6	3.2	7.1	3.3	1.5	9.4	6.3	0.5	0.4	1.0	2.0	3.0	8.8	6.2	1.6	4.7	8.8	2.3	1.0	1.6	3.4	3.3	3.5	7.0	3.9	2.2	11.9
1.2	0.9	3.5	5.4	5.3	2.3	11.2	6.0	1.1	0.5	1.8	1.7	3.2	6.5	7.5	3.2	5.5	9.0	2.2	1.3	1.8	2.7	2.9	3.9	8.1	5.3	2.8	11.1
1.3	1.3	2.6	4.8	6.2	1.2	11.3	4.6	1.8	1.8	2.4	2.8	2.5	3.8	6.9	4.1	3.9	8.2	2.2	0.7	1.6	3.0	2.6	4.6	8.7	4.4	2.2	10.0
0.6	0.5	2.5	4.8	6.5	4.3	9.7	3.7	4.3	2.2	1.8	1.0	1.9	2.6	7.0	6.2	4.0	7.7	4.2	1.0	1.4	1.7	2.0	4.8	9.0	5.5	1.4	9.4
0.2	0.1	1.6	3.9	10.9	4.5	8.2	5.6	5.6	1.0	0.5	0.6	0.6	0.7	8.1	10.5	2.4	9.7	1.4	0.3	0.6	0.3	1.3	4.7	12.4	7.6	1.4	10.6
0.1	0.0	0.7	4.1	14.0	8.2	3.1	8.7	3.6	0.6	0.0	0.1	0.0	0.7	11.4	13.4	1.2	10.0	2.3	0.3	0.4	0.3	1.2	4.2	13.9	7.8	0.6	11.0
0.1	0.2	1.3	4.3	11.6	4.9	8.0	5.9	3.0	1.9	0.4	0.1	0.4	0.6	8.9	11.2	2.5	8.1	2.7	1.0	0.7	1.2	1.7	4.5	10.9	5.9	2.4	8.8
0.2	0.6	2.2	4.8	5.6	2.7	13.3	3.4	4.0	1.6	1.0	0.6	1.6	3.3	6.4	5.6	5.9	5.6	2.4	0.9	1.8	1.8	2.4	4.4	8.1	4.6	3.6	7.7
1.4	0.8	4.0	6.0	4.1	1.2	11.9	3.8	2.4	1.2	2.0	1.4	2.5	7.1	5.4	2.9	6.1	5.6	3.0	2.2	3.7	2.8	2.8	3.4	6.2	4.4	2.5	7.9
0.7	1.1	3.8	7.0	2.3	1.2	12.4	4.3	1.1	1.1	1.9	1.3	3.0	10.2	4.6	1.6	5.2	5.7	3.2	2.4	3.8	3.5	2.2	3.0	5.2	3.5	3.2	7.9
1.0	1.0	4.3	6.7	3.1	0.8	13.1	4.0	1.0	0.7	1.4	1.4	3.9	9.5	5.0	1.2	6.9	5.2	2.5	1.8	3.4	4.3	2.6	2.7	5.5	3	4.8	7.6
9.7	9.7	32.8	66.0	76.7	34.1	123.2	5.2	31.1	13.7	16.1	14.6	25.8	63.0	82.7	64.0	54.2	7.6	30.2	14.2	24.4	28.2	27.8	47.2	101.5	61.5	30.2	9.6
15	15	15	15	15	15	15	10	17	17	17	17	17	17	17	17	17	12	17	17	17	17	17	17	17	17	17	12

Total Cloud Amount Tenths			Rainfall (mms.)					Mean Number of Days									
M. T.		Mean	Mean	Max. Fall in 24 Hours	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	13					1.0	10.0									6	8
3.3	4.6	3.6	19.9	19.7	12/83	3.6	0.4	5.4	0.1	0.1	0.4	1.4	1.0	11.5	5.1	3.1	0.4
3.8	5.3	4.0	17.5	32.0	14/80	2.8	0.4	4.5	0.1	0.1	0.5	0.6	0.4	10.3	3.9	3.0	0.5
3.2	4.2	3.2	13.9	17.8	4/44	2.5	0.4	3.5	0.0	0.2	0.8	0.2	0.6	14.4	3.4	3.0	0.3
2.7	4.0	3.0	19.1	43.7	10/46	2.9	0.5	4.1	0.0	0.4	2.4	0.1	0.7	14.5	2.6	3.0	0.0
3.1	3.9	3.0	7.8	23.7	3/46	1.5	0.1	2.5	0.0	0.1	1.5	0.0	0.8	16.9	2.5	1.3	0.1
0.2	0.9	0.5	0.2	0.3	3/34	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.4	27.5	0.1	1.3	0.0
0.3	0.5	0.4	tr	tr	3,9,11/38 4/44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	29.1	0.2	1.3	0.2
0.4	0.8	0.5	tr	tr	12,13,14,27/36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	28.9	0.3	0.5	0.0
0.7	1.1	0.8	0.2	4.1	22/80	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.3	28.3	0.3	0.2	0.0
2.2	3.0	2.3	6.4	30.1	27/37	1.1	0.2	1.5	0.0	0.0	1.1	0.1	0.9	20.6	1.5	0.6	0.0
3.7	4.6	3.7	11.2	25.2	24/37	2.4	0.3	4.2	0.0	0.0	0.8	0.5	0.4	11.6	3.7	0.8	0.0
4.3	5.0	4.2	20.8	45.7	26/35	2.7	0.5	4.3	0.1	0.1	0.1	1.6	0.1	11.1	6.3	0.8	0.1
2.8	3.2	2.4	9.7	45.7	26/12/35	19.6	2.8	30.2	0.3	1.0	7.8	4.5	6.1	224.7	29.9	18.9	1.6
17	17	17	17	17		17	17	17	17	17	17	17	17	17	17	12	12

SHAIBA 1923-1947 LATITUDE 30° 25′ N LONGITUDE 47° 39′ E

TEMPERATURE (Fahrenheit)

MONTH	Mean G.M.T. 02	Mean G.M.T. 06	Mean G.M.T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January	45.3	49.7	61.8	52.3	62.1	42.3	81	1–24 3/44	41	6/42	63	11/29	21	27
February	48.2	55.0	66.5	56.5	67.6	46.8	87	28/41	45	9/32	65	21/40	23	
March	54.2	61.9	74.6	63.6	77.3	52.9	102	21/25	49	1/38	73	15/44	29	
April	63.8	78.2	86.2	76.1	88.6	62.0	111	29/38	67	14/39	83	22/42	44	
May	74.1	90.4	97.7	87.4	100.3	72.6	115	28/24,26/10 24/46	82	4/46	87	31/45	56	
June	78.1	96.0	104.6	92.9	107.2	76.9	121	6/27	93	1/33	90	26/28,26/42	64	
July	82.5	98.9	108.6	96.7	110.8	81.1	121	24/40,22/43	91	25/24	93	25/37	70	
August	82.1	98.5	110.1	96.9	112.1	80.0	125	8/37	97	18/23	92	2/38	70	17.2
September	75.3	92.0	104.7	90.7	107.0	72.6	118	4/35,3/45	87	19/32	90	11/38	58	
October	66.7	81.2	94.0	80.7	96.0	64.5	111	1/27,5/30,6/37	67	31/25	79	23/30,25/33 16/46	47	
November	57.4	66.6	78.2	67.4	80.1	55.1	100	1/32	57	30/31	73	4/37	32	
December	47.8	53.3	65.0	55.4	66.6	45.3	88	23/33	40	28/24	66	1/35	19	
Year	64.6	76.8	87.7	76.4	89.6	62.7	125	8/8/37	40	28/12/24	93	25/7/37	19	
Min. No. of Years	18—19	18—19	18—19	18—19	24—25	24—25	24—25		24—25		24—25		24—25	

MONTH	Mean Pressure, Millibars G. M. T. 02	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Amo (Tenths) G. M. T. 02	06	13
January	1018.5	1020.0	1017.5	1018.7	89	81	53	75	9.4	9.7	9.9	9.7	1.5	2.3	2.1
February	1015.9	1017.6	1015.0	1016.1	86	74	45	68	10.4	11.1	9.7	10.4	1.2	1.9	1.8
March	1013.8	1015.5	1013.1	1014.1	76	55	35	55	11.1	11.7	9.9	10.9	1.2	1.2	1.8
April	1010.6	1012.2	1009.5	1010.9	66	42	28	45	13.4	13.4	11.4	12.7	1.3	1.1	1.6
May	1005.2	1008.1	1005.9	1006.4	53	30	21	35	14.9	14.3	12.1	13.8	0.7	0.6	0.9
June	1000.8	1001.9	1000.3	1001.0	45	25	17	28	14.5	13.7	12.2	13.5	0.0	0.0	0.7
July	996.6	997.8	996.3	996.9	35	21	14	23	12.9	13.3	12.3	12.8	0.0	0.0	1.0
August	998.0	999.8	997.9	998.6	37	21	13	24	14.2	13.5	11.9	13.2	0.0	0.0	0.7
September	1004.7	1006.2	1004.1	1005.0	43	25	15	27	12.9	12.9	10.6	12.1	0.1	0.0	0.3
October	1011.9	1013.6	1011.2	1012.2	52	34	20	36	11.9	12.3	10.7	11.6	0.3	0.4	0.6
November	1016.1	1017.5	1015.2	1016.4	75	59	38	57	12.0	13.0	12.1	12.4	1.0	1.2	1.5
December	1018.8	1020.7	1018.0	1019.2	86	77	52	72	10.0	11.0	12.3	11.1	1.4	1.6	1.5
Year	1009.2	1010.9	1008.7	1009.6	62	45	29	45	12.3	12.5	11.3	12.0	0.7	0.9	1.2
Min. No. of Years	18	18	18	18	18	18	18	18	16	18	18	18	14	14	14

1923-1947 **HEIGHT ABOVE M.S.L. 18.3 m**

WIND Average Frequency from Specified Directions

0200 G.M.T.								0600 G.M.T.										1200 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm
3.1	3.3	1.1	2.0	10.6	5.0	2.9	7.0	1.1	0.6	2.5	3.6	2.0	1.7	11.0	6.4	2.1	8.5	3.8	1.0	2.3	4.8	1.1	0.3	2.6	13.9	1.2	11.1
2.8	3.1	2.3	2.1	7.7	3.3	3.9	6.0	1.2	1.1	2.3	4.0	2.0	1.8	8.3	4.9	2.7	7.8	4.2	2.8	0.6	4.4	1.3	0.6	1.8	10.5	1.6	10.7
3.0	3.4	2.6	2.9	7.4	3.8	4.4	6.5	3.3	1.0	2.2	5.2	2.9	1.1	6.7	7.1	2.5	9.6	6.6	1.0	2.3	5.4	1.4	0.4	1.1	11.5	1.3	12.8
2.4	3.4	2.8	2.9	7.2	4.2	4.4	5.8	3.1	1.4	2.2	3.3	3.4	1.9	4.3	8.2	1.7	9.7	7.7	1.1	2.6	4.5	1.0	0.3	1.5	9.7	1.6	13.3
0.9	1.3	2.2	3.6	8.2	6.0	5.1	6.2	5.2	2.1	1.0	1.5	2.2	1.5	3.1	12.6	1.8	10.3	11.7	1.2	1.5	2.2	0.5	0.6	0.6	12.3	0.5	13.5
0.2	0.2	0.5	2.6	12.0	9.6	2.9	7.9	4.0	0.3	0.3	0.3	0.3	1.1	4.4	18.5	0.8	13.3	8.3	0.4	0.3	0.4	0.0	0.0	0.6	19.1	0.9	17.4
0.3	0.5	0.4	2.5	16.5	8.0	1.9	7.8	2.3	0.1	0.1	0.5	0.2	0.3	5.8	20.5	1.2	14.3	8.2	0.1	0.3	0.4	0.0	0.1	1.0	20.2	0.7	17.3
0.6	0.8	1.4	3.4	14.8	6.8	1.7	7.3	2.0	0.2	0.6	0.9	0.7	1.0	7.1	17.4	1.0	12.4	8.9	0.3	0.8	1.1	0.2	0.3	0.9	18.2	0.3	15.6
0.7	0.9	1.6	3.8	12.7	5.9	2.7	6.6	2.1	0.5	0.5	0.9	1.8	1.7	8.3	13.0	1.1	9.9	8.7	0.8	1.2	1.0	0.2	0.1	0.9	16.3	0.5	12.5
1.1	2.1	3.3	4.0	10.0	5.4	2.7	6.7	2.6	0.6	1.5	1.8	2.5	2.6	8.0	9.6	2.0	8.8	7.1	1.4	1.9	2.7	0.9	0.5	1.2	14.2	1.1	11.4
2.3	2.7	2.0	2.4	9.0	5.2	3.8	6.1	1.8	1.1	2.3	3.1	1.9	2.1	8.2	7.7	1.8	8.0	4.6	1.6	2.8	4.4	1.0	0.5	1.6	12.2	1.3	9.7
2.5	2.5	1.3	1.8	10.3	6.0	3.1	6.2	1.1	0.6	2.8	3.2	1.4	1.3	11.3	6.6	2.7	7.8	3.8	1.2	2.7	4.3	0.8	0.5	2.8	13.4	1.5	9.5
19.9	24.2	21.5	34.0	126.4	69.2	39.5	6.7	28.8	9.6	18.1	28.8	21.3	18.1	86.5	132.5	21.4	10.0	83.6	12.9	19.3	35.6	8.9	4.2	16.6	171.4	12.8	12.9
18	18	18	18	18	18	18	14	18	18	18	18	18	18	18	18	18	14	18	18	18	18	18	18	18	18	18	14

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	13					1.0	10.0									6	8
4.5	4.4	4.1	26.9	55.5	16/29	4.4	1.0	6.4	0.1	0.1	0.8	1.2	0.5	12.5	6.5	1.6	1.2
3.6	3.9	3.4	27.3	35.6	12/33	3.4	0.6	4.9	0.0	0.1	1.7	0.5	1.0	13.6	4.1	1.9	1.2
3.4	4.1	3.4	13.7	27.3	13/46	2.6	0.2	3.9	0.0	0.2	1.9	0.2	1.5	14.3	3.6	3.7	1.2
3.5	3.6	3.5	11.5	28.4	1/33	2.3	0.3	3.1	0.0	0.2	2.7	0.1	1.9	14.1	5.2	2.9	0.1
2.5	2.9	2.7	3.9	27.0	15/45	0.9	0.1	1.3	0.0	0.0	1.4	0.0	2.0	17.2	3.8	1.1	0.0
0.1	1.0	0.4	tr	tr.	1/45	0.0	0.0	0.0	0.0	0.0	0.1	0.0	4.0	27.3	0.1	2.1	0.0
0.6	1.5	0.9	0.2	4.7	3/45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	26.2	0.2	2.7	0.0
0.6	1.2	0.9	0.1	1.6	13/36	0.1	0.0	0.1	0.0	0.0	0.1	0.0	3.5	26.8	0.2	2.2	0.0
0.2	0.7	0.5	t.r	tr	10,12/38 27,28/42 12/46	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6	28.2	0.0	1.1	0.0
1.6	2.1	1.7	1.9	16.2	31/45	0.4	0.1	0.5	0.0	0.1	0.4	0.4	1.0	22.9	1.2	0.4	0.0
3.7	4.0	3.5	27.6	46.3	26/26	2.3	0.9	3.7	0.0	0.1	0.5	1.0	0.5	13.7	4.1	0.4	0.0
4.5	4.6	4.2	25.3	37.0	8/34	3.0	0.9	4.6	0.0	0.1	1.0	1.4	0.3	11.7	5.1	0.5	0.0
2.4	2.8	2.4	138.4 11.5	55.5	16/1/29	19.4	4.1	28.5	0.1	0.9	10.6	4.9	23.5	228.5	34.1	21.6	3.7
18	18	18	24	24		24	24	24	24	24	24	24	24	24	24	14	14

SULMAN **1939 – 1943** LATITUDE 30° 28' N LONGITUDE 44°43'E

TEMPERATURE Fahrenheit.

MONTH	Mean G. M. T. 02	Mean G. M. T. 06	Mean G. M. T. 13	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Date
January	42.3	47.1	62.4	50.6	63.6	36.9	79	17/42	41	6/42	55	29/40	12	7
February	46.1	52.6	67.9	55.5	68.7	40.4	87	20/40 13/42	55	1,4,9,21/43	55	16/27/42	27	11
March	50.3	59.2	72.8	60.8	74.0	45.2	93	9/40 15,29/41	56	11/40	60	6,19,27/42	26	18
April	60.9	72.2	84.6	72.6	85.7	54.8	103	15/40	70	15,16/41	72	15,16/40	37	16
May	70.8	85.7	96.7	84.4	97.7	65.7	110	26/40	85	4/40	78	25/40	53	5
June	72.3	92.6	103.9	89.6	104.7	69.9	115	4,18,19/40 21,22,23/41	92	2/43	81	20/43	62	9 1,2
July	80.4	95.3	109.0	94.9	109.9	75.0	118	25,26/41 21/43	100	6/41 1/43	88	23/43	60	21
August	79.8	97.1	108.9	95.8	111.1	72.7	117	9/40 13/42	100	26/41	84	6/42	59	23 26 9,15,16,17,31 17,24
September	72.7	88.3	103.4	88.1	104.0	69.3	114	2/43	93	28/41	83	5/41	59	4,5
October	66.3	78.2	92.8	79.1	94.6	61.7	104	4,6,14/39 7/41 10/43	80	30/43	78	22/43	47	30
November	54.8	63.9	79.4	66.0	80.5	53.9	96	9/41 4/43	60	30/41	67	4,5/43	33	27
December	45.9	52.7	65.1	54.6	67.6	43.0	81	3/42 3/43	54	4,5/41	60	5/43	22	7/1
Year	61.9	73.7	87.2	74.3	88.5	57.4	118	25,26/7/41 21/7/43	41	6/1/42	88	23/7/43	12	
Min. No. of years	3	3	3	3	3	3	3		3		3		3	

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Amount Tenths G. M. T. 02	06	13	M
January	1019.0	1019.0	1017.7	1018.6	65	57	37	53	6.4	6.8	7.4	6.9	0.5	0.4	0.4	
February	1017.3	1017.6	1015.7	1016.9	68	59	37	55	7.6	8.1	7.6	7.8	0.4	0.4	0.8	
March	1015.1	1015.3	1014.1	1014.8	62	54	37	51	8.3	9.3	10.3	9.3	0.5	0.7	0.8	
April	1013.3	1013.4	1011.4	1012.7	52	41	30	41	9.4	10.5	12.1	10.7	1.5	0.9	1.3	
May	1009.9	1009.9	1009.7	1009.8	40	29	23	31	10.7	11.5	11.7	11.3	0.7	0.3	0.1	
June	1006.6	1005.5	1003.9	1005.3	39	32	19	30	10.4	13.4	12.2	12.0	0.0	0.0	0.0	
July	1001.1	1001.1	999.8	1000.5	35	29	22	29	10.1	11.9	13.1	11.7	0.0	0.0	0.0	
August	1002.7	1002.0	1000.5	1001.7	23	15	13	17	8.2	11.6	10.5	10.1	0.0	0.0	0.1	
September	1007.5	1007.2	1005.3	1006.7	42	31	25	33	9.9	12.1	12.0	11.3	0.0	0.0	0.0	
October	1014.1	1013.8	1012.2	1013.4	50	40	31	40	7.2	8.6	9.1	8.3	0.7	0.5	0.2	
November	1017.8	1016.7	1015.9	1017.5	65	53	41	53	10.5	10.5	13.4	11.5	0.3	0.3	0.9	
December	1021.2	1021.3	1019.3	1020.6	66	61	51	59	6.9	7.4	7.9	7.4	1.2	1.4	1.7	
Year	1011.3	1012.1	1010.4	1011.4	51	42	31	41	8.6	10.1	10.6	9.8	0.5	0.4	0.5	
Min. No. of years	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

JLMAN 1939-1943 **HEIGHT ABOVE M.S.L. 201.8 m**

WIND – Average Frequency from Specified Directions.

0300 G.M.T.								0600 G.M.T.										1300 G.M.T.									
E	SE	S	SW	W	NW	C	Vm	N	NE	E	SE	S	SW	W	NW	C	Vm*	N	NE	E	SE	S	SW	W	NW	C	Vm*
1.7	3.3	2.0	0.7	5.3	3.7	10.0	8.3	3.3	1.3	2.7	1.7	2.0	2.0	7.0	2.7	8.3	8.0	7.4	3.0	3.0	3.3	2.0	0.0	4.0	6.0	2.3	11.7
2.0	3.0	3.0	2.3	1.3	3.7	8.1	6.7	4.7	1.7	2.0	2.3	2.3	2.0	3.3	4.3	5.4	9.0	5.7	3.3	4.0	1.0	1.7	1.3	4.7	5.3	1.0	12.7
4.0	1.7	2.3	1.7	3.0	8.0	5.0	9.0	3.0	3.0	2.3	2.3	4.4	2.5	5.3	5.5	2.7	11.3	2.3	1.7	6.0	1.7	1.0	1.7	5.3	10.3	1.0	11.7
1.3	0.8	2.8	1.0	1.2	3.8	13.0	5.7	2.8	3.5	1.0	2.3	3.5	1.7	1.0	4.0	10.2	7.7	4.7	3.4	2.7	1.5	2.3	0.8	2.3	6.2	6.2	8.8
1.0	0.5	1.5	2.0	2.0	6.0	11.5	4.5	5.0	2.5	2.0	2.5	3.5	1.0	3.0	9.5	5.0	8.5	5.0	3.0	1.0	2.0	1.5	0.0	3.5	13.0	2.0	11.0
2.0	1.0	0.0	0.0	3.5	9.5	8.5	7.0	10.0	2.5	1.0	1.0	1.0	0.5	0.5	11.5	2.0	11.5	9.5	2.0	0.0	0.0	0.0	0.5	2.0	15.0	1.0	12.5
0.0	0.0	0.0	0.1	7.3	10.6	10.0	7.4	9.0	1.6	0.0	0.0	0.2	0.3	2.4	11.7	5.8	10.0	5.6	1.2	0.0	0.0	0.0	0.2	4.6	13.2	5.6	11.3
1.5	0.2	0.1	0.9	2.0	5.2	10.7	6.0	9.7	3.5	0.0	0.0	0.3	0.0	1.5	10.1	5.9	9.0	8.0	5.5	1.9	0.2	0.0	0.5	2.3	10.6	2.0	11.5
0.7	0.3	0.7	0.8	1.2	3.5	18.0	3.0	6.5	2.5	0.3	0.3	1.0	1.0	1.7	4.7	12.0	5.0	8.2	5.7	1.1	0.2	0.0	0.5	2.5	4.8	7.0	7.3
0.5	0.2	2.5	0.5	1.5	2.8	18.0	3.0	3.8	1.8	1.3	0.5	2.7	1.5	0.7	2.5	16.2	4.0	7.5	4.8	2.2	2.0	2.2	0.5	2.8	3.0	6.0	7.7
1.0	1.8	0.7	0.3	1.7	2.0	16.7	2.7	2.7	1.7	2.3	1.3	1.7	1.0	3.0	3.3	13.0	5.0	8.0	6.5	3.3	0.5	1.3	0.7	1.7	3.0	5.0	7.7
0.2	1.7	1.5	0.2	1.5	3.0	15.3	4.2	2.8	2.5	1.7	1.4	3.0	0.8	2.8	3.5	12.5	4.8	7.8	4.8	3.2	1.7	3.3	0.0	1.7	2.8	5.7	7.3
15.9	14.5	17.1	10.5	31.5	61.8	144.8	5.0	63.3	28.1	16.6	15.6	22.6	14.3	32.2	73.3	99.0	7.8	79.7	44.9	28.4	14.1	15.3	7.3	37.3	93.2	44.8	10.1
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Total Cloud Amount Tenths			Rainfall in Millimetres					Mean Number of Days									
G.M.T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow or Sleet	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than	
06	18					1.0	10.0									6	8
2.7	2.8	2.7	3.6	4.9	4/40	1.0	0.0	1.0	0.0	0.0	0.0	0.3	0.7	14.0	1.0	4.3	0.3
2.6	3.3	2.8	9.5	11.1	21/42	2.0	0.3	2.3	0.0	0.0	0.0	0.0	0.7	11.5	1.0	4.0	0.3
3.1	2.3	3.0	4.3	5.2	4/42	1.0	0.0	1.7	0.0	0.0	0.0	0.0	0.5	21.0	1.0	5.7	0.7
2.9	3.5	3.3	17.9	16.5	28/40	2.5	0.7	2.7	0.0	0.3	0.3	0.0	1.3	7.3	1.3	2.7	0.0
2.5	2.5	2.6	0.4	0.5	9/40	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	14.0	2.0	2.0	0.0
0.0	0.0	0.0	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	3.4	0.5
0.1	0.3	0.2	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	1.3	0.0
0.0	0.1	0.0	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5	0.0	1.2	0.0
2.1	2.1	2.1	5.7	10.0	28/43	0.8	0.3	0.5	0.0	0.0	0.0	0.0	0.2	15.5	2.0	1.3	0.0
2.7	2.8	2.5	0.3	0.5	11,29/39	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	14.0	1.0	1.7	0.3
4.0	4.4	3.9	14.7	12.0	28/42	2.2	1.0	1.2	0.0	0.0	0.0	0.2	0.2	21.0	3.5	0.7	0.2
1.9	2.1	1.9	4.7	16.5	28/4/40	9.5	2.3	11.2	0.0	0.3	0.3	0.5	3.6	238.8	12.8	28.3	2.0
3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3

MEAN RAINFALL FOR 5-13 SEASONS 1935-1936/1947-1948

Station	Latitude N.	Longitude E.	Height above M.S.L. Metres	Authorities	Oct	Nov	Dec.	Jan	Feb.	March	April	May.	Season	No. of Seasons
Amadia	37° 05′	43° 30′	1236	P.&T.; D.I.M.S.	35	180	122	160	222	172	192	56	1139	5
Amara	31 51′	47° 10′	9	P.&T.; D.I.M.S.	1	25	54	147	39	16	17	13	312	5
Aqra	36° 45′	43 53′	716	P.&T.; D.I.M.S.	25	137	134	263	170	123	87	11	950	5
Arbil	36 11′	44° 00′	414	P.&T.; D.I.M.S.	11	76	47	127	56	56	51	16	440	7
Baghdad	33° 20′	44° 24′	32	D.I.M.S.	3	20	24	25	23	24	11	4	134	13
Baiji (K 2)	34° 55′	43° 25′	143	I.P.C.; D.I.M.S.	12	22	23	25	30	35	26	3	176	9
Bakrajo	35° 34′	45° 23′	750	Ag.; D.I.M.S.	11	101	114	167	114	110	83	35	735	8
Busayya	30° 02′	46° 09′	144	P.; D.I.M.S.	0	13	17	18	20	13	13	1	95	8
Dibis	35° 41′	44° 05′	239	I.P.C.; D.I.M.S.	6	54	64	76	65	66	50	7	388	11
Diwaniyah	31 59′	44 58′	20	D.I.M.S.	1	17	23	21	25	19	11	7	124	13
Fao	29 59′	48° 30′	2	P.D.; D.I.M.S.	4	37	37	50	40	16	11	6	201	5
H1	33° 47′	41° 28′	409	I.P.C.; D.I.M.S.	6	27	23	21	15	25	20	5	142	9
Habbaniyah	33° 22′	43° 34′	44	D.M.O.	3	20	22	26	16	23	9	3	122	12
Haditha	34 04′	42° 22′	140	I.P.C.; D.I.M.S.	19	20	27	22	21	26	17	3	155	9
Hai	32° 10′	46° 03′	15	D.I.M.S. ...	2	18	19	30	22	30	10	3	134	8
Halabja	35° 11′	45° 59′	724	P.&T.; D.I.M.S.	23	115	115	231	205	157	93	20	959	9
Hilla	32° 29′	44° 26′	27	I.R.; D.I.M.S.	0	11	33	39	24	36	10	2	125	55
Iftikhar	35° 03′	44° 27′	204	I.R.; D.I.M.S.	0	35	41	61	56	56	19	4	272	11
Khanaqin	34° 18′	45° 26′	201	R.O.C.; D.I.M.S.	10	41	40	68	59	60	29	16	323	13
Kirkuk	35° 28′	44° 24′	331	D.I.M.S.	7	55	55	83	67	77	46	11	401	12
Kut	32° 30′	45° 45′	19	P.&T.; D.I.M.S.	1	24	25	47	43	15	11	5	181	5
Mandali	33° 45′	45° 33′	137	P.&T.; D.I.M.S.	0	73	61	86	105	32	28	0	385	5
Margil	30° 34′	47° 47′	2	P.D.; D.I.M.S.	1	31	33	38	31	29	30	5	198	11
Mosul	36° 19′	43° 09′	223	D.M.O.; D.I.M.S.	11	67	67	84	67	52	51	19	418	13
Nasiryah	31° 01′	46° 14′	3	D.I.M.S.	1	18	17	17	14	27	17	8	119	8
Nukhaib	32° 02′	42° 15′	305	P.; D.I.M.S.	3	13	30	21	15	11	8	4	105	5
Qal at Sukar	31° 52′	46° 05′	13	P.&T.; D.I.M.S.	0.4	11	29	35	21	6	11	5	118	5
Qalawla	34° 16′	45° 09′	119	I.R.; D.I.M.S.	4	41	49	67	58	14	24	3	260	5
Rutba	33° 02′	40° 17′	615	D.M.O.; D.I.M.S.	11	21	24	19	17	21	24	8	145	11
Sulman	36° 28′	44° 43′	202	P.; D.I.M.S.	0	13	35	21	21	4	13	1	108	5
Samarra	34° 11′	43° 50′	65	I.R.; D.I.M.S. ...	2	21	36	38	22	19	15	0	153	5
Shaiba	30° 05′	47° 39′	18	D.M.O. ...	1	17	20	28	25	16	10	2	119	11
Sinjar	36° 19′	41° 56′	576	P.&T.; D.I.M.S.	21	61	79	115	60	59	48	25	468	11
Sulaimmiya	35° 33′	45° 25′	853	P.&T.; D.I.M.S.	11	81	113	142	118	126	78	34	703	12
T1	34° 13′	41° 20′	318	I.P.C.; D.I.M.S.	9	32	28	29	23	18	30	6	176	5
Zakho	37° 08′	42° 41′	442	P.&T.; D.I.M.S.	33	113	126	188	129	122	117	30	858	13