Iraq. Meteorological Service.

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METEOROLOGICAL DEPARTMENT

احصائية المناخ للقطر العراقي

CLIMATOLOGICAL MEANS

FOR

IRAQ.

Publication No. 10

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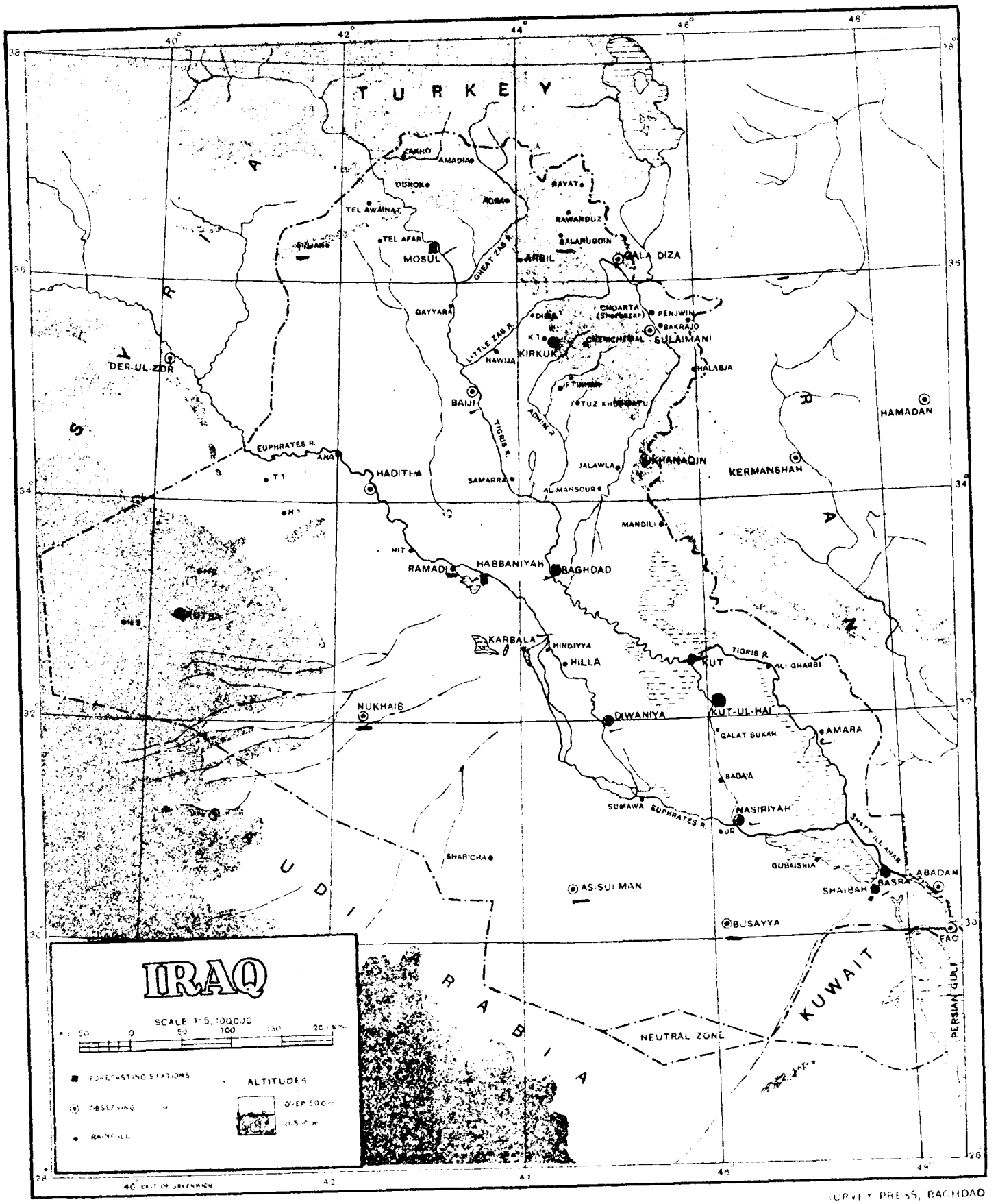
MAP SHOWING ALL METEOROLOGICAL STATIONS.

Not all Stations shewn are meteorological stations.



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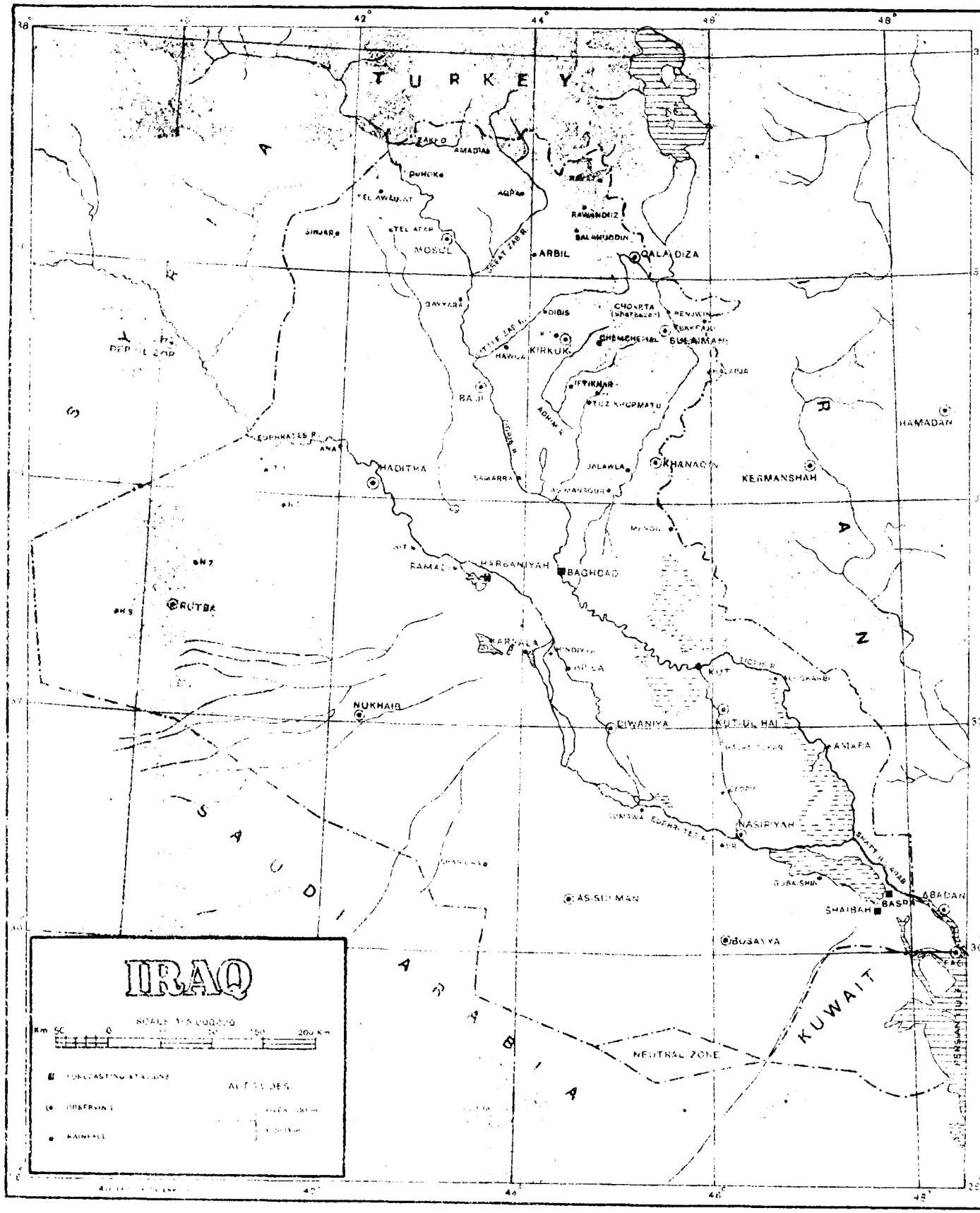

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CLIMATOLOGICAL MEANS

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, and in 1950 a publication No. 9 was printed containing climatological means for Iraq for a period ranging for different years for various sations up to 1947.

The present publication is intended to make avaiable 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 avaible 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 Basrah 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 Basrah 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 observations 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.

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 two 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.MT. 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.

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:—

D.I.M.S.	: Director, Iraq Meteorological Service.
D.M.O.	: Director, Meteorological Office, London.
I.P.C.	: Manager, Iraq Petroleum Company, Baghdad.
K.O.C.	: Manager, Khanaqin Oil Company, Khanaqin.
P.	: Director-General of Police, Iraq Government.
P.D.	: Port Director and Director General of Navigation, Basrah.

1—Meteorological Observatories

Observatory.	Years of Observation	Latitude N.	Longitude E.	Height above M.S.L. (metres)	Authorities.
Baghdad Airport ...	1937—1952	33° 29′	44° 24′	34.1	D.I.M.S.
Basra Airport ...	1937—1952	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—1952	31° 59′	44° 59′	20.4	D.I.M.S.
Habbaniya ...	1937—1952	33° 22′	43° 34′	43.6	D.M.O.
Hinaidi ...	1923—1937	33° 17′	44° 29′	32.0	D.M.O.
Kirkuk ...	1938—1952	35° 28′	44° 24′	330.8	D.I.M.S.
Kut al Hai ...	1940—1952	32° 10′	46° 03′	14.9	D.I.M.S.
Mousl ...	1923—1952	36° 19′	43° 09′	222.6	D.M.O.D.I.M.S.
Nasiriya ...	1940—1952	31° 01′	46° 14′	3.0	D.I.M.S.
Ramadi ...	1923—1927	33° 25′	43° 17′	48.7	D.M.O.
Rutba ...	1928—1952	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	1937—1952	34° 18′	45° 26′	201.2	K.O.C.D.I.M.S.
Haditha	1937—1941	34° 04′	42° 22′	140.2	I.P.C.D.I.M.S.
As-Salman	1939—1941	30° 28′	44° 43′	201.8	P.D.I.M.S.

3—Meteorological Station referred to in the "Climate and weather of Iraq"

Station	Years of Observation.	Latitude N.	Longitude E.	Height 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 of page ii.

(a) Mean values of temperature, pressure, relative humidity, vapour pressure, low cloud 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 "Vk" specifying the mean wind speed from all directions in Knots.

(d) The mean monthly rainfall in milimetres, the maximum rainfall in 24 hours with the date or dates of its occurence, 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 coloumns 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 22-27 knots and force 8, the range 34 to 40 knots.

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 all obsrvations is 0-1 okta. and cloudy days are those on which the average cloud amount is 7 to 8 oktas.

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 loser 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 readingh 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 considereably in error.

Relative humidity and vapour pressure are expressed as a percentage and in millibars respectively. They are obtained from reading 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 eights of sky covered, in the usual manner.

Wind observations were made by means of Dines pressure-tube anemometers at Baghdad, Basrah, Habbaniya, Hinaidi, Mosul, Rutba, and Shaiba, and by cup-anemometers and wind vanes at other stations. Wind directions are observed with refernece to the 360 degrees 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 knot. 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 Basrah, 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 dail 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 obvous. 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.

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.) statios at Diwaniya in 1939 there was a slight change of site, which was too small to show up in the geographical co-ordinates.

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 & publication No. 9 "Climatological Means" was printed in 1950.

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 suppliel 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 suppling 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.

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

TEMPERATURE—in Degrees Fahrenheit.

MONTH	Mean G. M. T.		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						61.8	
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	98.0	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	13	Mean	Mean Relative Humidity Per Cent G. M. T. 04	11	18	Mean of day	Mean Vapour Pressure Millibars G. M. T. 02	06	13	Mean	Mean Low Cloud Amount (Oktas) G. M. T. 02	06	13	M
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					88	48	67	66								
Year					55	27	40	41								
Min No. of years					5	5	5	5								

Max. & Min.

BABYLON (German) 1908-1913 **HEIGHT ABOVE M.S.L.304 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	E	S	SW	W	NW	C	VK	N	NE		SE	S	SW	W	NW	C	VK	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	0.6																					
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																						
5	5	5	5	5	5	5	5																					

Iean Total Cloud Amount (Oktas)			Rainfall in Millimetres					Mean Number fo 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 Foree N t less than	
06	13					1.0	100									6	8
		3.4	24.1					5			1						
		3.1	9.1					4			2						
		2.9	27.7					4			2						
		3.1	5.1					3			5						
		2.6	0.5					1			5						
		0.7	0.0					0			0						
		0.2	0.0					0			0						
		0.2	0.0					0			0						
		0.5	0.0					0			0						
		2.1	10.2					2			1						
		2.5	11.4					3			2						
		3.4	19.8					5			2						
		2.1	107.9					27			20						
		5	5					5			5						

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

MONTH	TEMPERATURE—in Degrees Fahrenheit													
	Maen G. M. T.			Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Mox	ate.	Highest Mix.		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				70.8	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	62.8	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				Meau Relative Humidity Per Cent				Mean Vapour Pressure Millibars				Mean Low Cloud Amo (Oktas)		
	G. M. T.			Mean	G. M. T.			Mean of day	G. M. T.			Mean	G. M. T.		
	02	05	13		02	05	18		0.2	06	13		02	06	13
January		1017.6				78									
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

BAGHDAD (I. M. D.) 1888-1918 HEIGHT ABOVE M.S.L 36.6 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		SW	W	NW	C	VK	N	NE	E	SE	S	W	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VI
									4.0	0.0	0.3	0.6	2.2	0.9	2.5	3.7	16.7	4.7										
									3.6	0.6	0.6	1.1	2.5	0.0	1.4	3.4	14.8	5.6										
									5.0	0.6	1.2	1.9	3.1	0.3	1.2	2.5	15.2	5.7										
									4.2	1.2	0.6	0.6	2.1	0.6	2.1	4.2	14.4	5.5										
									5.9	1.5	0.6	0.3	0.9	0.6	1.9	5.0	14.3	5.5										
									9.3	1.5	0.3	0.3	0.3	0.0	0.6	10.2	7.5	8.1										
									5.9	0.3	0.0	0.0	0.0	0.0	2.2	15.5	7.1	8.6										
									6.2	0.6	0.3	0.3	0.0	0.0	2.2	11.8	9.6	7.3										
									6.6	0.9	0.3	0.3	0.3	0.0	2.1	6.9	12.6	5.3										
									6.5	0.9	0.9	0.3	0.9	0.6	0.6	3.7	16.4	4.6										
									4.2	0.6	0.6	0.6	1.8	0.6	0.9	3.9	16.8	4.2										
									3.7	0.3	0.3	1.5	1.9	0.6	1.2	3.4	18.0	4.3										
									65.1	9.0	6.0	7.8	16.0	4.2	18.9	74.2	163.4	5.8										
									24	24	24	24	24	24	24	24	24	7										

...an Toal Cloud Amount (Oktas) G. M. T. 06	13	Mean of day	Rainfall in Millimetres Mean	Max. Fall	Date	No. of Days with at least 1.0	100	Mean Number of Day Rain	Snow	Hail	Thunder	Fog	Dust	Clear	Cloudly	Wind Force Not less than 6	8
2.6			28.7	33.5				4.7			1	2.8					
2.5			27.9	63.5				4.1			0	0.6					
2.2			31.2	40.9				5.1			1	0.1					
1.8			20.8	43.7				2.8			1	0.0					
1.4			5.1	20.1				1.2			2	0.0					
0.2			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					
0.3			0.0	0.5				0.1			0	0.0					
1.2			2.0	12.7				0.7			0	0.1					
1.8			21.3	53.3				3.1				0.7					
2.2			31.0	36.8				4.7			—	2.0					
1.4			168.5	63.5				26.7			5	7.3					
24			24	24				24			24	20					

BAGHDAD AIRPORT 1937-1952

LATITUDE ~~32° 30'~~ 33° 20' N · LONGITUDE ~~44° 20'~~ 2 E

TEMPERATURE (Fahrenheit).

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean. Min.	Highest Max.	Date.	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January	42.1	45.5	58.9	48.8	59.7	39.1	77	21/48	39	5/42,16/50	57	2/44	18	
February	44.9	50.1	63.0	52.7	64.4	41.9	86	26/41	42	6/50	61	26/41	23	
March	50.4	57.8	69.7	59.3	71.3	48.1	90	27/44,23/51 31/52	50	1/38	69	30/47	27	
April	59.7	71.2	82.5	71.1	85.2	57.5	104	28/44	62	1/46	77	29/44	37	
May	59.9	83.2	95.1	82.9	96.5	67.5	112	31/49	70	8/50	85	29/47	51	
June	75.9	91.9	104.2	90.5	105.1	73.2	119	18/49	90	2/43	87	24,25/42	58	
July	79.8	93.2	109.0	94.0	109.8	76.4	121	21/43	83	4,10,25/37	92	6/45	62	
August	78.9	93.8	109.0	93.9	109.8	76.0	120	8/38	96	27/41	90	1/45	64	
September	72.4	85.9	102.5	86.9	103.7	69.6	116	2,6/45	86	30/38	84	1/40 3/45	51	
October	67.3	75.3	89.9	77.4	91.7	61.3	107	5/44 2/47	68	14/48	77	4/47 1/51	39	
November	53.3	61.3	75.2	63.3	76.7	50.8	94	1/44	52	20/52	72	5/47	29	
December	44.7	48.5	62.3	51.8	63.8	41.8	79	1/43	45	29/48	61	1/45	20	
Year	61.6	71.4	85.1	72.7	86.5	58.6	121	21/7/43	39	5/42 16/52	92	6/7/45	18	
Min No. of years	15	15	15	15	15	15	15	10	15	15	15	15	15	

MONTH	Mean Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Relative Humidity (Per Cent) G. M. T. 03	06	12	Mean	Mean Vapour Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Low Cloud A (Oktas) G. M. T. 03	06	12
January	1018.8	1019.9	1018.9	1018.9	84	79	51	71	8.0	8.5	8.8	8.4	1.4	1.5	1.9
February	1017.1	1018.5	1016.4	1017.3	78	70	42	63	7.9	8.6	8.1	8.2	1.1	1.2	1.9
March	1015.1	1016.2	1014.1	1015.1	73	60	36	56	9.8	10.1	8.8	9.6	1.3	1.3	2.1
April	1012.4	1013.4	1011.6	1012.5	64	43	34	47	11.4	12.1	9.8	11.1	0.9	0.8	1.5
May	1008.5	1009.4	1007.9	1008.6	47	34	19	33	11.5	13.0	10.1	11.5	0.6	0.6	0.9
June	1003.4	1004.0	1002.6	1003.3	34	25	13	24	10.7	12.3	9.3	10.8	0.0	0.0	0.1
July	999.0	999.4	997.9	998.8	32	26	12	23	10.9	13.5	10.3	11.6	0.1	0.2	0.3
August	1000.6	1001.3	999.9	1000.6	33	27	13	24	10.8	13.7	10.9	11.8	0.1	0.1	0.1
September	1006.7	1007.5	1005.9	1006.7	38	30	15	28	10.1	12.4	10.6	11.0	0.1	0.1	0.1
October	101.34	1014.2	1013.6	1013.4	49	38	22	36	10.0	11.4	10.6	10.7	0.4	0.6	0.5
November	1017.0	1018.2	1016.2	1017.1	70	59	39	56	9.7	11.1	11.0	10.6	1.1	1.1	1.3
December	1019.9	1021.0	1018.9	1019.9	84	78	52	71	8.7	9.0	9.0	8.9	1.2	1.5	1.5
Year	1011.0	1011.9	1010.2	1011.0	57	47	29	44	10.0	11.3	9.8	10.4	0.7	0.7	1.0
Min No. of years	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

GHDAD AIRPORT 1937-1952 **HIGHT ABOVE M.S.L. 34.1 m.**

WIND—Average Frequency from Specified Directions

0300 G. M. T									0600 G. M. T.										1200 G. M. T.									
E	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
	3.2	5.0	2.4	1.2	2.5	8.7	4.2	4.5	2.4	0.6	2.5	4.7	3.1	1 0	3.6	9.7	3.3	5.4	6.0	1.3	1 9	3.9	3.1	2.6	2 9	8.0	1.2	7.1
	3.4	4.6	2.7	0.9	2.5	6.1	2.7	5.2	2.9	1.0	2.1	4.3	3.3	1.4	3.1	7.4	2.7	6.3	5.5	1.5	1.6	3.5	3.1	2.1	3.1	6.3	1.0	5.8
	3.5	4.3	1.9	1.2	3.5	6.1	3.7	6.5	5.5	1.5	2.5	4.0	3.5	1.1	3.7	7.3	1.8	6.9	7.1	1.9	2.3	3.6	2.6	1.6	4.7	6.9	0.3	7.1
	4	3.4	1.9	0.5	2.4	6.1	2.7	5.1	5.6	2.5	3.9	3 7	2.6	0.7	2.7	6.9	1.3	7.0	7.3	2.1	1 7	4.0	2.8	1.3	4.0	6.4	0.5	8.3
	2.9	2.1	1.2	1.1	2.2	8.2	3.1	5.3	7.7	2.7	3.1	1.7	1.8	1.7	2.9	8.8	0.7	7.5	7.7	2.0	1.2	1.6	2.1	1.3	5.1	9.4	0.6	8.9
	0.7	0.1	0.3	0.1	2.0	12.6	3.0	6.6	9.9	1.7	0.9	0.1	0.5	0 2	3.3	13.0	0.7	9.0	7.0	1.0	0.8	0.5	0.7	0.8	4.9	14.1	0.2	11.4
	0.5	0.8	0.3	0.4	3.5	16.5	2.7	7.4	6.7	0.8	0.6	0.1	0.2	0.2	2.3	19 3	0.8	11.9	4.9	0.4	0.1	0.3	1.1	0.6	7 2	15.9	0.7	12.1
	0.9	0.1	0.2	0 1	2.6	13.3	3 1	6.5	8.3	1.1	0.5	0.2	0.3	0.2	2.5	17 1	0.9	9.9	7.8	0.5	0.1	0.1	0.4	0.7	5.5	15.1	0.8	10.9
	1.3	0.5	0.3	0.1	2.0	11.3	4.3	5.5	8.3	1.7	1.1	0.6	0.7	0.3	2.3	13.3	1.7	8 1	10.0	1.3	0.2	0.5	0.9	0.5	3.5	11.3	1.6	9.0
	3.1	2.0	1.1	0.3	1.4	7.8	5.1	5.2	6.1	3.1	3.2	2.1	1.3	0.9	2.5	8.7	3.1	6.1	9.7	1.9	0.8	2.6	2.7	0.7	2.9	7.8	2 0	8.3
	4.0	3.9	1.3	0.2	1.8	7.7	5.9	3.9	3.9	2.0	2.8	3.1	1.7	0.5	1.9	9 9	4.5	4.8	9.1	1.2	2.1	3.4	2.4	0.9	1.7	7.5	1.9	6.2
	2.9	3.5	1.9	0.6	2.5	9.1	5.1	4.4	4.3	1.0	2.7	4.1	2.0	0.5	1 9	10.1	4.4	5.0	7.6	1.3	2.9	3.9	2.1	1.3	1 8	8.8	1.3	6 6
	31.1	29.8	15.5	6.7	28.9	113.5	45.6	5.5	71.6	19.7	35.9	28.7	21 0	8.7	32.7	131.5	24.9	7.3	89.7	16.4	15.7	27.9	24.0	14.5	47.3	118.0	12.1	8.5
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

Total Cloud Amount (Oktas)			Rainfall in Millimetres					Mean Number fo Days									
. M. T.		Mean	Mean	Max. Fall	Date	No. of Days with at least		Rain	Snow	Hail	Thuuder	Fog	Dust	Clear	Cloudly	Wind Foree N t less than	
06	12					1.0	100									6	8
3.3	3.6	3.1	24.3	35.3	27/40	3.9	0.5	5.5	0.1	0.0	0.4	5.0	1.3	12.8	4.1	1.0	0.0
2.8	3.4	3.0	26.2	33.2	22/38	2.9	0.7	5.5	0.1	0.2	0.7	2.0	2.4	11.7	4.1	1.0	0.1
3.6	4.0	3.6	28.1	55.6	16/38	3.8	0.7	3.8	0.0	0.1	1.4	0.7	2.7	10.5	5 2	1.3	0.1
2.8	3.6	3.1	10.2	19.7	22/52	2.6	0.3	3.6	0.0	0.2	2.1	0.2	1.9	12.0	2.7	1.0	0.0
2.5	2.9	2.3	3.5	14.4	12/50	0.9	0.1	1.5	0.0	0.0	1.5	0.0	2.8	12.3	1.8	0.5	0.0
0.1	0.3	0.2	tr.	tr.	5/39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	27.3	0.0	1.5	0.0
0.4	0.5	0.4	tr.	tr.	9/38 9/50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	28.9	0.1	2.9	0.0
0.4	0.2	0.2	tr.	tr.	11/40 7/42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	29.8	0.1	1.3	0.0
0.4	0.4	0.4	0.1	0.6	30/51	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.7	27.3	0.1	0.7	0.0
2.0	2.2	1.8	2.8	15.8	30/37	0.5	0.1	0.9	0.0	0.0	0.7	0.1	1.5	18.6	2.6	0.1	0.0
3.1	3.4	3.0	19.8	36.4	30/50	2.5	0.5	4.1	0.0	0.0	1.0	1.9	1.1	12.7	3.3	0.2	0.0
3.6	3.7	3.4	26.0	33.6	6/38	4.5	0.7	5.8	0.1	0.0	0.6	4.9	1.0	12.1	5.0	0.3	0.0
2.1	2.5	2.1	140.4	55.6	10/3/38	21.6	3.6	30.9	0.3	0.5	8.5	14.8	22.7	218.0	29.1	11.8	0.2
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

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

TEMPERATURE—in Degrees Fahrenheit

MONTH	Mean G. M. T. 02	06	13	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Mox	Late.	Highest Mix.	Dtae.	Lowest Min.
January	...	44.2	56.6	50.4	58.2	38.2	69	22-40	42	14-40	51	1-40	21
February	...	48.8	61.1	54.9	63.8	40.9	83	25-41	50	6-39	55	25-41	26
March	...	54.3	64.8	59.5	66.8	44.3	80	30-40	52	1-39	63	1-41	26
April	...	69.7	81.1	75.4	82.7	55.2	99	27-38	59	13-39	72	29-39	37
May	...	82.7	91.6	87.1	95.0	64.6	110	19-40	78	3-38	94	16-40	49
June	...	91.4	102.8	97.1	104.5	71.9	1 4	30-39	94	8-40	88	30-38	62
July	...	96.4	103.0	99.7	111.4	77.4	122	20,23-40	100	4-40	91	9-38	68
August	...	96.0	109.2	102.6	110.6	78.1	120	8-38	100	25,26-39	90	29-39,16-40	69
September	...	87.8	101.5	94.7	103.1	70.9	161	4,6-38	85	30-38	86	7-40	48
October	...	74.8	89.4	82.1	91.2	60.0	103	2-40	73	23-40	75	10-40	46
November	...	59.1	70.8	64.9	73 1	49.3	90	1-38	57	28-39	66	10-40	38
December	...	48.4	59.8	54.1	62.0	41.7	74	15-40	47	24,25-39	56	1-38	23
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
Min No. of years	...	3	3	3	3	3	3		3		3		3

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Meau Relative Humidity Per Cent G. M. T. 02	06	18	Mean of day	Mean Vapour Pressure Millibars G. M. T. 0.2	06	13	Mean	Mean Low Cloud (Oktas) G. M. T. 02	06	1
January	...	1019.3	1017.2	1018.3	...	84	59	71	...	8.3	10.0	9.1	...	2.0	
February	...	1017.6	1015.3	1016.5	...	83	55	69	...	9.6	10.3	9.9	...	1.7	
March	...	1015.3	1013.3	1014.3	...	69	46	57	...	10.0	9.9	9.9	...	1.4	
April	...	1013.1	1010.3	1011.7	...	56	35	45	...	13.4	11.9	12.7	...	1.1	
May	...	1009.3	1007.0	1008.1	...	43	24	33	...	13 2	12.0	12.6	...	0.1	
June	...	1003.1	1000.9	1002.0	...	31	23	27	...	15.1	16.9	16.0	...	0.2	
July	...	998.9	996.7	997.8	...	29	17	23	...	15.3	14.6	14.9	...	0.0	
August	...	1001.4	998.9	1000.1	...	21	11	16	...	12.0	9.3	10.7	...	0.0	
September	...	1007.7	1005.4	1006.5	.	26	17	23	...	12.0	13.5	12.7	...	0.1	
October	...	1014.5	1011.9	1013.2	...	38	24	31	...	11.4	10.5	10.9	...	0.5	
November	...	1017.9	1015.9	1016.9	...	70	45	57	...	11.5	11.1	11.3	...	1.1	
December	...	1020.7	1018.5	1019.6	...	86	62	74	...	9.4	10.7	10.1	...	1.9	
Year	...	1011 5	1009 3	1010.5	...	53	35	44	...	11.8	11.7	11.7	...	0.8	
Min No. of years		3	3	3		3	3	3		3	3	3		3	

IJI 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	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
								2.7	0.7	4.0	3.3	2.0	3.7	3.7	5.0	6.0	5.0	4.3	2.0	2.0	4.0	2.3	2.7	4.7	5.3	3.7	6.7
								1.3	1.0	5.0	5.0	1.7	2.3	3.7	3.3	5.0	3.3	1.3	1.3	3.3	5.0	3.3	1.3	4.0	6.0	2.7	5.3
								3.3	1.0	5.0	5.3	1.0	1.0	4.3	3.3	6.7	5.3	4.0	0.3	3.0	5.7	3.7	1.0	3.3	6.7	3.3	6.7
								1.7	3.7	6.3	2.0	1.0	0.7	4.0	4.0	6.7	3.0	6.0	1.7	4.7	2.3	0.7	0.7	3.3	6.0	4.7	4.3
								4.7	2.7	2.7	1.0	0.7	2.0	5.3	9.7	2.3	4.3	3.7	0.7	0.7	1.0	2.0	2.7	7.3	9.7	3.3	5.6
								5.3	1.3	1.0	0.7	0.3	0.3	6.7	10.7	3.7	6.7	5.3	2.7	0.0	0.0	1.0	3.0	9.7	8.0	2.3	7.3
								3.0	2.3	1.3	0.7	0.3	2.3	8.0	12.3	0.7	8.3	3.3	1.3	1.3	0.3	1.3	5.3	10.0	7.7	0.3	8.3
								4.7	1.7	3.0	1.0	0.3	1.0	7.3	11.0	1.0	5.0	6.3	1.7	1.3	0.3	1.0	2.0	7.3	10.3	0.7	7.0
								2.3	1.7	2.0	2.0	0.0	1.0	5.7	12.3	3.0	3.7	3.0	0.3	0.3	0.3	1.3	4.3	9.0	10.3	0.7	6.0
								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	3.7
								1.7	1.7	3.7	3.0	1.0	2.7	4.0	4.3	8.0	3.0	2.3	3.0	3.3	2.3	1.7	2.0	4.3	4.7	6.3	3.7
								0.7	0.3	7.3	4.7	1.7	2.3	5.0	2.3	6.7	5.7	3.3	2.3	3.0	4.0	5.7	3.0	1.7	4.3	3.7	4.7
								32.7	19.8	44.6	31.0	10.7	20.6	55.4	8[illegible].2	57.5	47.0	45.1	16.3	24.2	28.5	26.3	30.7	71.9	47.7	34.0	5.9
								3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

n Toal Cloud Amount (Oktas)			Rainfall in Millimetres					Mean Number of Day									
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	100									6	8
3.9	3.8	3.9	49.9	36.2	1-40	4.7	1.3	6.7	0.0	~~9.0~~	0.0	0.3	0.3	10.7	9.7	2.7	0.0
3.6	4.1	3.9	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
3.4	4.2	3.8	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
3.5	3.6	3.5	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
2.3	3.0	2.7	1.5	3.2	3-38	0.7	0.0	1.0	0.0	0.0	0.3	0.0	0.0	16.0	2.3	1.0	0.0
0.5	0.7	0.6	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
0.3	0.6	0.5	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
0.2	0.6	0.4	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
0.8	1.0	0.9	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
2.2	2.6	2.4	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
3.0	3.6	3.3	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
4.2	4.4	4.3	51.8	41.1	19-39	7.7	2.0	8.0	0.0	0.0	0.0	2.[illegible]	0.0	6.7	9.0	0.3	0.0
2.3	2.7	2.5	254.1	41.1	19-12-39	35.7	6.9	49.0	0.0	2.3	3.3	2.6	2.9	~~105.0~~ 105.0	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 Beaufort 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	Mean G. M. T. 06	Mean G. M. T. 13	Mean ‡	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Mox	Date.	Highest Mix.	Dtae.	Lowest Min.
January				61.2	60.0	43.6	8.01						28.7
February				67.2	65.2	48.2	87.8						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						68.1
September				97.5	101.8	74.5	116.6						45.4
October				87.1	90.6	65.5	105.3						48.6
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	06	13	Mean	Meau 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 (Oktas) 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		1019.3				68									
December		1022.3				79									
Year		1012.8				63									
Min No. of years		11				18									

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

† M

BASRA (I.M.D.) 1900-1918 **HIGHT ABOVE M.S.L. 2.4 m.**

WIND—Average Frequency from Specified Directions

0500 G. M. T									0600 G. M. T.										1800 G. M. T.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	V
0.3	0.0	2.2	5.6	1.9	4.0	4.3	3.7																					
0.6	0.3	1.1	5.9	2.0	3.9	4.5	3.6																					
1.6	0.3	2.8	7.1	0.9	2.8	3.7	5.6																					
1.2	0.6	1.2	5.4	1.8	3.6	3.6	5.7																					
0.6	0.6	1.5	3.1	1.2	4.7	5.0	5.9																					
0.3	0.3	0.3	1.2	0.6	6.0	12.6	0.6																					
0.3	0.3	0.6	1.5	1.2	6.5	8.7	1.5																					
0.6	0.6	0.6	2.2	3.4	7.7	7.1	1.9																					
1.5	0.6	0.9	0.6	4.5	12.3	3.9	3.9																					
0.9	0.3	1.2	3.1	1.2	9.6	3.1	6.5																					
0.6	0.3	3.3	4.2	0.9	7.8	5.1	4.2																					
0.6	0.6	1.9	3.7	1.9	9.0	5.9	2.8																					
9.1	4.8	17.6	43.6	21.5	77.9	67.5	45.9																					
18	18	18	18	18	18	18	18																					

ean Total Cloud Amount (Oktas)			Rainfall in Millimetres					Mean Number fo Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow	Hail	Thuuder	Fog	Dust	Clear	Cloudly	Wind Foree Not less than	
05	13					1.0	10.0									6	8
3.1			35.6	38.9				5.5				2.1					
3.1			30.2	34.8				3.7				0.3					
2.6			30.0	41.9				4.2				0.0					
2.5			13.2	18.5				2.8				0.0					
1.7			7.6	24.1				1.5				0.0					
0.1			0.0	0.8				0.0				0.0					
0.2			0.0	0.0				0.0				0.0					
0.2			0.0	0.0				0.0				0.0					
0.2			2.3	23.9				0.2				0.0					
1.2			1.3	7.1				0.6				0.6					
2.0			22.1	78.7				2.9				0.6					
3.1			33.8	43.9				4.8				1.8					
1.7			176.1	78.7				25.7				5.4					
18			17	9				18				8					

MARGIL AIRPORT (Basrah) 1937-1952

LATITUDE 30° 34' N LONGITUDE 47° 47' E

TEMPERATURE (Fahrenheit).

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean. Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min	Date	Lowest Min.	Da
January	47.1	51.6	62.5	53.7	64.4	44.6	81	3/44	45	28/50	61	10/38 21/43	24	
February	49.6	56.0	66.5	57.4	68.3	47.8	87	28/41	46	7/50	65	24/40	28	
March	56.1	64.6	73.5	64.7	75.5	54.6	95	27/44	49	1,2/38	71	15 28/44	36	
April	65.0	75.3	83 6	74.6	86 0	63 4	105	29/38 30/51	61	4/44	80	22/42	47	
May	76.9	86.7	94.5	86.0	9.65	75.6	114	23/51	79	9/50	88	25/40	48	
June	82.4	90.5	99.2	90.7	100 4	81.2	115	10/44 5/51	86	3/43	92	11/46	69	
July	82.9	92.1	102.8	92.6	104.1	81.3	123	26/51	90	8/42	91	6/48	72	
August	80.6	92.1	103.8	92.2	105.9	78.7	120	9/38	95	25/44	89	2/38	68	
September	74.3	87.5	101.0	87.6	102.6	72.1	116	9/51	88	30/38	85	11/38 8/51	58	
October	65.7	78.8	98 9	81.1	94.5	63.8	114	1/51	71	14/48	78	9/48 10/51	45	
November	58 2	67.0	77.9	67.7	80.4	55.9	98	10/39	55	16/52	77	3/47	38	
December	50.2	55.2	66.3	57.2	68.6	47.6	85	1/42	48	30/48	67	9/48	29	
Year	65.7	74.8	85.9	7.55	87.3	63.9	123	26/7/51	45	28/1/50	92	11/6/46	24	
Min No. of years	15	15	15	15	15	15	15		15		15		15	

MONTH	Mean Pressure Millibars G. M. T. 03	06	12	Mean	Mean Relative Humidity Per Cent G. M. T. 03	06	12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	06	12	Mean	Mean Low Cloud A (Oktas) G. M. T. 03	06	12
January	1018.4	1019.9	1017.5	1018.6	89	83	61	78	10 2	11.1	11.9	11.1	1.2	1.7	1.5
February	1017.0	1018.3	1016.1	1017.1	86	75	53	71	10.7	11.7	11.7	11 4	0.9	1.1	1.3
March	1014.4	1015.8	1013.6	1014.6	81	66	48	65	12.2	13.6	13 2	13.0	1 0	1.1	1.2
April	1011.7	1012.9	1010.9	1011.8	75	57	41	58	16 0	17.2	16.2	16.5	0.9	0.8	1.0
May	1007.1	1008.1	1006.7	1007.3	65	50	39	51	19.3	21.6	21.3	20.7	0.3	0.3	0.4
June	1001.3	1002.1	1001.1	1001.5	60	50	40	50	22.6	24 1	24.9	23.9	0.0	0 0	0.6
July	997.4	998.1	997.1	997.5	58	47	35	47	22.4	23 9	24.9	23.7	0.1	0.1	1.0
August	999 2	1000.0	998.7	999.3	58	46	33	46	20.8	23.5	24.8	23.0	0.0	0.0	0.4
September	1005.3	1006.2	1004.6	1005 4	62	48	32	47	18 3	21.5	21.8	20 5	0·1	0.0	0.3
October	1012 5	1013.7	1011.6	1012.6	68	52	36	52	15.1	17.4	17.5	16.7	0.2	0.2	0.4
November	1016.4	1017 7	1015.6	1016.6	83	70	51	68	14.0	15.8	16 4	15.4	0.8	0 9	1.0
December	1018.9	1020.6	1018.3	1019 3	89	83	61	78	11 5	12 5	13.6	12.5	1.1	1.4	1.3
Year	1010.0	1011.1	1009 3	1010.1	73	61	44	59	16.1	17.8	18.2	17.4	0.5	0.6	0.9
Min No. of years	15	15	15	15	15	15	15	15	15	15	15	15	1.5	15	1

ARGIL AIRPORT (Basrah) 1937–1952 HEIGHT ABOVE M.S.L 4.2 m.

WIND—Average Frequency from Specified Directions

0300 G. M. T.									0600 G. M. T.										1200 G. M. T.									
E	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
1.7	3.9	2.6	2.0	1.5	7.9	5.3	3.5	5.1	1.6	1.2	2.7	2.1	2.8	1 6	9.8	5.5	4.1	6.2	2.0	0.9	2 4	4.2	1.7	0.5	8 3	9.5	1.4	8.1
1.1	4.1	1.9	1.9	1.2	7 1	4.3	3.4	4.9	2.2	1.4	3.1	2.5	1.9	1.7	7.7	5.1	2.3	6.3	3.2	0.3	2.3	3.7	1.3	0.5	7.3	8.5	1.0	9.1
1.5	4.1	2.8	2.5	1.8	5.3	4.7	4.3	5.3	3.3	1.5	3.3	3.3	3.5	1.6	6.6	6.5	1.5	7.3	3.6	1.1	2.3	4.3	2.1	0.1	5.5	10.9	1.2	9.6
17	3.3	2.5	1.9	1.7	5.1	5.0	5.0	5.0	4.0	1.9	3.4	3 2	2.7	1.0	5.7	5.4	2.4	7.2	5.0	1.3	2.7	3.5	1.2	0.1	4.3	10.9	0.9	9.6
.6	2.0	1.2	1.9	2.5	6.1	7.5	3.8	5.6	4.7	1.5	1.7	0.5	1.7	1.1	6.9	10.8	1.9	7.0	4.9	1.1	1.3	0.7	0.7	0.1	5.7	15.7	0.8	8.9
.5	0.3	0.1	0.4	1.5	10.0	12.9	1.5	7.5	2.4	0.1	0.1	0.9	0.0	0 3	9.1	10.2	0.8	9.0	2.5	0.1	0.2	0.3	0.0	0.0	8.8	17.5	0.5	8.2
.2	0.6	0.8	0.4	1.9	14.6	9.0	2.0	6.3	2.1	0.1	0.4	0.3	0.2	0.2	11.7	14 7	1.7	8.3	3.8	0.0	0.4	0.5	0.0	0.0	10 1	15.9	0.3	9.3
.3	0.4	0.7	1.0	1 9	14.3	8.5	3 0	5.5	1.8	0.1	0.7	0.3	0.4	0.6	10.8	1 44	1.7	7.0	2.6	0.1	0.7	0.6	0.1	0.0	8.8	17.2	0.8	8.5
5	1.2	0.5	1.3	2.1	12.0	7.0	3.5	4.7	2.9	0.5	0.9	0.3	1.0	0.9	9.1	12.0	2.3	5 2	3.3	0.1	0.9	0.7	0.1	0.1	7.1	16.2	1.5	7.1
9	2.1	1.5	2.8	2.3	9.9	5.4	3.4	4.5	3.6	0.8	2.1	1.1	2.9	1.5	8.3	8.5	2.1	5.1	3.7	1.0	2.8	1.7	1.1	0.4	7.3	11.8	1 7	7.0
0	2.7	1.9	1.9	1.7	8.0	5.0	2.5	4.9	3.8	1.9	2.8	1.5	2.3	1.5	7.7	7 3	1.5	5.1	3.3	1.9	3.4	2.8	0.7	0.3	7.0	9.0	1.9	5.4
5	4.1	1.7	1.2	0.9	9.9	5.2	3.9	4.0	1.9	1.5	4.0	1 9	1.9	1.6	10 4	5.7	2.0	5.1	2.9	1.0	2.6	3.1	1.5	0.3	9.1	8.0	2.5	6 4
5	2.88	1.77	1.92	21.0	110.2	8.02	39.3	5.2	34.3	12.5	25.2	17.9	21.3	13.6	103.8	106.1	24.3	6 6	40.8	8.9	21.5	26 1	10.5	2.4	89.3	151.1	14.5	8.3
5	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

an Toal Cloud Amount (Oktas)			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	Cloudly	Wind Force Not less than	
06	12					1.0 mm	10.0									6	8
3.5	3.5	3.3	32.4	32.5	17/49	4.5	1.1	6.1	0.0	0.1	1.1	2.7	0.3	12.5	4.7	1.0	0.0
3.0	3.2	2.8	22.4	29.9	29/38	3.7	0.6	4.9	0.0	0.1	0.7	2.0	0.6	13.5	3.6	2.1	0.0
3.1	3.4	3.1	34.0	50.9	13/46	2.7	0.7	4.7	0.0	0.2	1.9	0.5	1.2	12.9	3 9	1.9	0.0
3.0	3.4	3.2	22.6	87.6	7/41	2.9	0.6	3.9	0.0	0.2	3.1	0.2	1.2	11.9	3.9	1.1	0.0
2.0	2.5	2.2	7.7	35.6	8/50	0.8	0.3	1.3	0.0	0.1	1.3	0.1	1.8	18.7	1.7	0.5	0.0
0.1	0.7	0.4	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	27.8	0.0	0.6	0 0
0.5	1.2	0.8	0.2	3.2	30/45	0.1	0.0	0.1	0.0	0.0	0.1	0.0	3.7	26.0	0.3	0.0	0.0
0.5	0.6	0.6	tr.	tr.	23/52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	27.9	0.1	0.5	0.0
0.2	0.4	0.3	0.0	0.4	10/38	0.0	0.0	0.1	0.0	0.0	0.0	0.3	1.6	28.7	0.0	0.0	0.0
1.2	1 5	1.2	0.5	5.0	31/45	0.1	0.0	0.3	0.0	0.0	0.4	0.7	0.7	23.9	0.8	0.1	0.0
2.9	3.2	2.8	28.3	61.4	15/40	2.0	0.7	3.1	0.0	0.0	1.5	1.8	0.4	14.0	2.6	0.3	0.0
3.3	3.5	3.2	22.8	33.0	1/46	3.2	0.8	5.1	0.0	0.1	0.9	3.4	0.2	12.3	3.8	0.3	0.0
1.9	2.3	2.0	170.9	87.6	7/4/41	2.0	4.8	29.6	0.0	0.8	11.0	11.7	17.0	230.1	25.4	8.4	0.0
15	15	15	15	15		15	15	15	15	15	15	15	15	15	15	15	15

DIWANIYA (D.M.O) 1928-1939

LATITUDE 31° 59′ N

LONGITUDE 44° 59 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 Mox.	Date.	Highest Min.	Date.	Lowest Min.	Date
January	40.9	47.1	59.6	49.2	60.8	38.0	74	2-31	40	25-34	58	9-38	30	
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	32	
March	49.1	61.5	75.4	62.0	76.6	46.5	98	18-31	58	1-38	68	19-31	39	
April	58.6	74.6	86.2	73.1	88.0	56.4	108	25-36	69	15-33 ; 13-39	75	28-36 ; 28-38 ; 29-39	37	
May	68.9	87.3	97.5	84.6	99.3	66.3	115	26-39	75	4-34	65	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
August	70.7	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
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	Meau Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 0.2	06	13	Mean	Mean Low Cloud An (Oktas) 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	1.8	1.9	2.0
February	1015.9	1017.3	1014.7	1016.0	82	72	43	66	8.8	9.7	9.3	9.1	1.3	1.1	1.8
March	1014.1	1015.5	1012.7	1014.1	71	55	29	52	8.5	10.2	8.7	9.1	1.3	0.9	1.2
April	1010.8	1012.2	1008.6	1010.5	63	42	24	43	10.8	12.1	10.0	11.0	1.5	1.2	1.1
May	1007.9	1009.1	1005.7	1007.9	51	40	18	36	11.9	12 7	10.7	11.8	0.7	0.9	1.0
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	0.3	0.3	0.3
October	1012.7	1014.2	1011.6	1012.8	51	35	23	36	9.4	11.3	11.3	10.7	0.5	0.6	0.5
November	1016.8	1018.2	1015.7	1016.9	68	54	37	58	9.4	11.2	11.4	10.7	1.4	1.4	1.8
December	1019.5	1020.6	1018.4	1019.5	83	75	52	70	8.3	9.6	10.2	9.4	1.3	1.8	1.8
Year	1010.3	1011.5	1009 1	1010.3	60	46	28	45	10 1	11.6	10.6	10.8	0.9	0.9	1.0
Min No. of years	10	10	10	10	10	10	10	10	11	11	11	11	6	6	6

WANIYA (D.M.O.) 1928-1939 **HEIGHT ABOVE M.S.L. 20 .4 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	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
3.0	1.9	0.4	0.3	3.6	3.7	16.2	3.1	2.6	0.3	2.4	3.6	0.9	0.6	6.6	7.9	6.0	6.9	2.8	0.6	2.9	3.0	0.8	1.2	5.0	10.6	3.8	8.0
3.5	1.5	1.0	0.0	2.7	4.1	13.6	4.2	1.5	0.5	4.0	3.3	1.5	0.8	4.5	6.6	5.0	6.8	3.0	0.5	2.8	3.0	1.8	0.6	5.8	8.4	1.8	8.7
3.6	1.5	1.3	0.6	2.7	3.5	11.1	3.3	4.6	1.0	2.8	3.3	1.9	0.7	4.4	8.9	3.3	6.9	4.1	0.6	8.1	2.8	1.5	0.5	6.3	9.7	2.2	8.9
3.0	1.5	1.9	0.6	2.2	3.9	12.9	5.0	4.2	1.2	2.5	2.5	2.4	0.7	5.3	7.2	3.8	6.2	3.6	1.1	2.1	1.6	2.1	1.0	6.8	10.0	1.5	8.3
1.7	3.0	1.2	0.6	4.1	6.0	10.5	3.5	6.3	1.7	1.8	1.1	1.6	0.6	5.9	8.9	3.0	8.3	4.5	0.9	0.7	0.9	1.7	1.0	8.3	11.5	1.2	9.9
0.4	0.1	0.4	0.8	8.0	10.8	5.6	4.1	5.4	0.6	0.3	0.0	0.6	0.7	5.4	16.3	0.9	10.7	3.0	0.3	0.3	0.0	0.5	0.8	7.7	15.4	2.2	12.5
0.1	0.1	0.2	0.6	8.5	11.6	7.8	3.7	4.2	0.3	0.1	0.1	0.3	0.1	5.8	18.8	1.2	11.7	3.0	0.1	0.3	0.0	0.2	0.9	6.8	17.5	2.2	13.1
0.3	0.0	0.4	0.2	6.7	11.1	9.3	4.9	6.4	0.2	0.3	0.2	0.4	0.3	5.1	16.7	1.3	10.0	4.5	0.1	0.1	0.1	0.4	0.4	7.2	17.4	0.8	11.5
0.4	0.3	0.5	0.1	3.2	10.0	11.4	3.7	6.2	0.5	0.3	0.5	0.7	0.6	4.6	13.4	3.1	7.9	4.7	0.2	0.5	0.6	0.3	0.4	5.5	15.4	2.6	10.0
1.5	0.7	0.4	0.4	3.7	5.2	14.4	4.8	5.9	1.1	1.3	1.4	1.4	0.7	3.2	10.7	5.4	7.3	4.5	0.9	2.1	1.1	0.8	0.7	5.6	11.1	4.1	7.8
1.7	1.7	0.8	0.5	3.4	4.3	14.0	3.8	3.6	0.9	2.5	2.6	2.0	1.2	4.0	7.7	5.5	6.4	3.7	1.0	2.9	2.7	1.4	0.6	4.7	8.7	4.2	7.1
2.6	2.6	0.5	0.4	2.3	4.0	16.0	3.3	3.3	0.7	3.3	2.6	0.6	0.5	5.5	8.1	6.4	6.0	3.6	0.4	2.5	2.5	1.3	0.5	5.2	9.1	5.9	7.3
21.8	21.8	9.0	5.1	51.1	80.5	142.6	4.0	53.9	9.0	21.6	21.2	14.3	7.5	60.3	131.2	44.9	7.9	45.0	6.7	20.3	18.3	12.8	8.6	74.7	144.8	32.5	9.4
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	9

Total Cloud Amount (Oktas)			Rainfall in Millimetres					Mean Number fo Days									
G. M. T.		Mean	Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least		Rain	Snow	Hail	Thunder	Fog	Dust	Clear	Cloudly	Wind Force Not less than	
05	13					1.0	10.0									6	8
3.1	3.4	3.0	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
2.7	3.4	2.8	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
2.9	3.0	2.7	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	3.0
2.6	3.0	2.7	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
2.1	2.8	2.4	18.1	113.6	12/35	0.7	0.3	1.3	0.0	0.0	1.3	0.6	3.1	15.7	2.5	1.4	0.0
0.2	0.5	0.3	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
0.2	0.6	0.4	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
0.3	0.4	0.4	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
0.4	0.5	0.4	t.r	t.r	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
1.6	2.1	1.7	0.5	1.5	21/37	0.1	0.0	0.5	0.0	0.0	0.0	0.1	0.6	19.5	2.5	0.3	0.0
2.8	3.0	2.6	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
3.4	3.6	3.2	24.5	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
1.9	2.2	1.9	121.2	113.6	12/5/35	16.5	3.2	25.9	0.0	0.3	5.9	8.4	24.2	229.6	33.6	28.2	0.6
01	10	10	10	11		11	11	11	11	11	11	11	11	11	11	6	6

DIWANIYAH (D.I M S) 1939-1952 LATITUDE 31° 59' N LONGITUDE 44° 59' E

MONTH	TEMPERATURE (Fahrenheit). Mean G. M. T. 03	06	12	Mean	Mean Max.	Mean. Min.	Highest Max.	Date.	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Dat
January	41.5	47.1	60.8	49.8	61.8	37.4	78	28/41 21/48	14	5,6/42	55	5/44	17	
February	43.9	51.3	65 3	53.5	66.3	39.8	88	28/41	44	9/49	58	21,24/40 9/52	19	
March	50.5	60.6	73.1	1.4	74.3	46.9	97	14/44	55	14/45	70	28/44	28	
April	59.5	73.8	84.9	72.7	86.4	56.4	107	9/52	64	1/46	79	27/47	35	
May	70.4	86.7	97.0	84 7	98.4	66.6	114	12/41	76	8/50	84	30/46	46	
June	75.4	92.9	104.6	91.0	105.6	71.6	116	24/42 28/47	92	2/43	82	4/44 14/47	58	
July	78.1	94.4	108.0	93.5	108.8	74.0	121	4/48	99	4,5,6/40 7/41	90	5/48	65	
August	76.2	93.7	108.0	92.6	109.3	72.2	119	26/43	96	27/41	86	4/52	61	
September	70.1	85.1	102.8	86.0	104.1	66.4	116	1/45	92	28/41	83	14/51	53	
October	61.5	79.6	92.3	77.8	93.8	58.4	111	2/47	72	13/48	76	2/49	37	
November	53.1	63.6	77.5	64.7	78 7	49.1	97	2/42 4/49	51	20/52	69	1/52	27	
December	44.6	51 0	64.2	53.3	65.5	40.8	82	1,4/43	47	30/48	59	26/52	22	
Year	60.4	73.3	86.5	73.4	87.8	56.6	121	4/7/48	41	5,6/1/42	90	5/7/46	17	
Min No. of years	13	13	13	13	13	13	13		13		13		13	

MONTH	Mean Pressure Millibars G. M. T. 03	06	12	Mean	Mean Relative Humidity Per Cent G. M. T. 03	06	12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	06	12	Mean	Mean Low Cloud Ai (Oktas) G. M. T. 03	06	12
January	1018.5	1019.8	1017.1	1018.5	82	75	55	71	7.7	8.6	8.6	8.3	1.5	1.6	1.6
February	1017.0	1018.2	1015.7	1017.0	77	68	40	62	7.9	9.0	8.3	8.4	1.0	1.2	1.6
March	1014.2	1015.6	1013.1	1014.3	72	58	34	55	9.3	10.6	9.4	9.8	1.2	1.5	1.8
April	1011.5	1012.7	1010.4	1011.5	65	45	26	45	11.5	12.6	10.6	11.6	1.1	1.0	1.3
May	1007.4	1008.4	1006.5	1007.4	51	32	19	34	12.8	13.4	11.5	12.6	0.8	0.7	1.4
June	1002.5	1003.4	1002.0	1002.6	44	26	16	29	13.1	14.1	12.1	13.1	0.0	0.1	0.1
July	998.3	999.1	997.5	998.3	42	28	16	29	14.1	15.2	13.4	14.2	0.1	0.1	0.2
August	999.7	1000.6	999.0	999.8	43	29	17	30	13.2	15.1	14.6	14.3	0.1	0.1	0.1
September	1005.7	1006.8	1004.9	1005.8	48	33	19	33	12.0	14.8	13.0	13.3	0.0	0.1	0.1
October	1012.7	1013.9	1011.5	1012.7	54	39	25	39	10.5	12.7	12.6	11.9	0.4	0.5	0.6
November	1016.5	1017.8	1015.4	1016.6	71	58	37	55	10.0	11.8	11.7	12.2	1.1	1.1	1.2
December	1019.4	1020.6	1018.5	1019.5	84	77	51	71	8.3	10.0	10.4	8.9	1.2	1.6	1.8
Year	1010.3	1011.4	1009.3	1010.3	61	47	30	46	10.9	12.3	11.3	11.5	0.7	0.8	0.9
Min No. of years	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

DIWANIYAH (D.I M.S.) 1939-1952 HEIGHT ABOVE M.S.L. 20.4 m.

WIND — Average Frequency from Specified Directions

0300 G. M. T.									0600 G. M. T.										1200 G. M. T.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
1.1	3.4	3.8	1.8	1.2	6.5	5.2	5.1	6.3	2.5	1.0	2.8	3.2	2.1	2.0	7.6	6.0	3.9	7.2	3.5	1.2	2.2	3.9	1.6	1.7	6.0	7.5	2.5	8.5
1.1	3.2	3.2	1.5	1.4	5.5	3.8	5.2	6.3	2.8	0.5	2.2	4.3	1.8	2.3	6.0	5.0	3.4	8.3	4.2	1.3	1.6	4.6	1.5	1.4	5.5	6.3	1.9	9.5
1.8	2.8	3.5	2.1	1.2	5.5	5.5	4.5	6.3	3.8	1.9	2.6	3.8	2.0	1.9	5.6	6.3	3.0	8.3	5.2	1.2	1.9	4.0	2.2	1.4	6.1	7.4	1.6	9.5
2.2	2.6	2.8	1.7	1.2	4.7	5.1	5.1	5.5	5.8	2.1	2.0	3.2	2.3	2.0	4.9	5.8	1.8	7.9	5.5	1.2	1.9	3.2	1.5	0.9	6.5	7.0	2.3	8.5
2.5	1.8	0.8	1.3	1.8	5.5	7.1	4.9	5.6	5.9	1.6	1.2	1.2	2.0	2.2	6.4	8.8	1.5	8.2	5.5	0.6	0.8	1.1	1.4	2.0	8.3	10.0	1.3	9.7
0.7	0.2	0.1	0.3	1.0	7.8	11.3	2.1	6.8	7.6	0.2	0.2	0.2	0.2	0.9	5.9	13.3	1.5	9.4	4.9	0.2	0.2	0.1	0.4	1.1	9.6	13.0	0.4	11.8
0.3	0.2	0.1	0.3	0.4	11.8	11.2	2.4	7.0	6.1	0.2	0.2	0.2	0.1	0.3	7.4	15.8	0.8	10.5	3.9	0.1	0.1	0.2	0.4	1.2	11.8	12.5	0.8	11.9
0.3	0.2	0.1	0.4	0.5	11.1	11.0	2.0	5.9	6.8	0.2	0.4	0.0	0.4	0.6	7.5	14.7	0.4	9.2	6.1	0.0	0.3	0.0	0.2	0.8	9.8	13.1	0.8	10.6
0.8	0.6	0.2	0.5	0.9	8.1	9.7	2.7	5.6	6.8	0.7	0.2	0.5	0.8	1.0	6.6	11.7	1.7	7.5	7.8	0.5	0.4	0.2	0.4	0.7	6.6	11.4	1.9	9.2
1.8	1.5	1.0	1.2	1.2	6.7	7.8	3.5	5.4	7.5	1.7	0.9	1.5	2.0	1.6	5.2	8.6	2.0	6.5	7.5	0.8	0.8	1.9	2.0	1.9	4.6	9.5	2.0	7.5
1.5	3.0	2.2	0.8	0.5	6.4	6.7	5.2	4.2	4.1	1.0	1.8	3.2	1.4	1.0	7.2	7.2	3.0	6.4	6.5	1.1	2.4	3.3	1.1	1.2	4.6	7.6	2.5	6.6
1.4	2.9	2.7	1.5	1.2	8.9	4.2	5.5	5.5	3.3	1.0	2.7	3.2	1.1	1.2	7.8	6.6	4.2	6.2	4.8	0.7	3.0	3.5	1.5	1.0	5.9	7.2	3.4	7.0
5.2	22.0	20.5	13.4	12.5	83.5	88.6	48.2	5.9	63.0	12.1	17.2	24.5	13.2	17.0	78.1	109.8	27.2	8.0	65.4	8.9	15.6	26.0	14.0	15.3	85.3	112.5	21.4	9.2
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

oan Toal Cloud Amount (Oktas)			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	Cloudly	Wind Force Not less than	
06	12					1.0	10.0									6	8
4.2	3.4	3.0	17.5	32.1	6/45	2.5	0.5	4.2	0.1	0.0	0.6	1.1	1.1	13.9	3.9	1.5	0.0
2.7	3.0	2.6	16.5	18.1	16/47	2.8	0.4	3.8	0.0	0.1	0.8	0.8	1.6	14.7	2.0	1.8	0.1
3.3	3.4	3.1	20.5	52.9	21/43	2.5	0.6	3.8	0.0	0.2	1.7	0.1	2.6	13.3	2.4	2.4	0.0
2.7	3.2	2.7	12.3	38.2	25/41	1.7	0.3	2.5	0.0	0.0	2.2	0.0	2.2	13.9	2.6	1.5	0.0
2.3	2.9	2.5	6.5	24.0	5/47	0.8	0.2	1.7	0.0	0.1	1.3	0.1	2.5	15.3	1.3	1.3	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	1.0	29.0	0.0	1.9	0.0
0.2	0.3	0.3	0.3	3.7	30/45	0.1	0.0	0.1	0.0	0.0	0.1	0.0	1.4	29.5	0.0	2.2	0.1
0.2	0.2	0.2	0.1	0.5	11/40	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.5	30.1	0.0	1.2	0.0
0.3	0.3	0.3	tr.	tr.	20/39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	28.3	0.0	0.3	0.0
1.7	1.8	1.6	0.6	3.8	30/41	0.2	0.1	0.4	0.0	0.0	0.2	0.0	1.0	20.5	1.4	0.3	0.0
2.8	3.3	2.8	11.4	18.0	16/44	1.5	0.5	2.5	0.0	0.0	0.8	0.6	0.4	13.5	1.9	0.2	0.0
1.7	1.8	1.6	21.6	37.6	18/41	3.5	1.1	4.8	0.0	0.0	0.8	1.5	0.4	13.6	3.4	0.9	0.0
1.8	2.0	1.8	107.2	53.9	21/3/43	1.5	3.7	23.9	0.1	0.1	8.6	4.1	15.2	235.9	18.9	15.5	0.2
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

HABBANIYA 1937-1952 LATITUDE 33° 22′ N LONGTITUDE 43° 34′ E

TEMPERATURE (Fahrenheit).

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min	Date	Lowest Min.	Date
January	41.5	44.9	58.5	48.3	59.9	38.9	79	28/41	38	5/42	54	3/44 13/46	16	
February	45.4	46.2	63.8	51.8	65.0	42.1	87	24,26/41	42	6/50	59	26/41	24	
March	50.2	57.8	71.8	59.9	72.9	48.3	97	23/37	52	1/38	67	28/37	27	
April	54.8	71.0	84.1	70.0	85.7	54.2	106	24/37 30/44	63	7/49	79	29/38	38	
May	69.1	83.4	96.4	83.0	97.9	68.0	116	7/42	75	8/50	84	29/48	50	
June	73.9	90.7	105.0	89.9	106.5	73.4	116	26,29/38 30/39	91	3/37	85	3/41	60	11,17/,30,1
July	79.0	92.3	110.3	93.9	111.4	78.0	123	3/48	100	4/40	91	26/48	70	
August	78.2	91.9	109.4	93.2	111.2	76.4	122	1,8/38	100	27/41	91	5/52	67	
September	72.0	85.2	103.9	87.0	104.8	63.7	119	2/45	86	30/38	83	7/40	52	
October	63.6	74.2	90.8	76.2	91.4	61.3	107	5/48	69	14/48	78	4/42	42	
November	53.0	60.2	74.9	62.7	76.6	51.0	95	8/41 1/44	55	2/52	69	5/47 1/52	34	
December	44.7	48.6	62.4	51.9	63.6	42.1	79	11/40 1,2/43	45	29,30/48	61	52/52	20	
Year	60.5	70.5	85.9	72.3	87.2	58.1	123	3/7/48	38	5/1/42	91	26/7/48 5/8/52	16	
No. of years	10	16	16	16	16	16	16		16		16		16	

MONTH	Mean Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Relative Humidity (Per Cent) G. M. T. 03	06	12	Mean	Mean Vapour Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Low Cloud (Oktas) G. M. T. 03	06	12
January	1018.9	1020.6	1017.9	1019.1	83	78	50	70	7.7	8.3	8.7	8.2	1.2	1.2	1.[illegible]
February	1016.7	1018.4	1016.0	1017.0	78	70	40	63	8.2	8.7	8.3	8.4	1.1	1.2	1.[illegible]
March	1014.4	1016.0	1013.8	1014.7	70	59	32	54	8.9	9.6	8.3	8.9	1.0	1.1	1.[illegible]
April	1012.3	1013.6	1010.5	1012.1	63	46	24	44	11.1	11.7	9.3	10.7	1.0	0.6	1.[illegible]
May	1008.9	1009.6	1007.6	1009.0	47	34	19	33	11.4	11.8	9.5	10.9	0.3	0.4	0.[illegible]
June	1004.0	1004.6	1002.8	1003.8	37	25	12	25	10.7	11.9	9.1	10.6	0.1	0.1	0.[illegible]
July	999.5	1000.1	998.2	999.3	36	27	12	25	11.8	14.3	10.7	12.3	0.1	0.1	0.[illegible]
August	1001.[illegible]	1001.9	1000.1	1001.0	35	27	12	25	11.7	13.8	10.8	12.1	0.0	0.0	0.[illegible]
September	1007.4	1008.1	1006.0	1007.2	42	30	14	29	11.4	12.3	10.4	11.4	0.1	0.1	0.[illegible]
October	1013.8	1014.5	1012.6	1013.6	53	39	22	38	10.8	11.3	10.4	10.8	0.6	0.4	0.[illegible]
November	1017.4	1018.5	1616.1	1017.3	74	64	40	59	10.2	11.5	11.6	11.1	0.9	1.1	1.[illegible]
December	1020.1	1021.1	1018.9	1020.0	84	77	51	71	8.6	9.1	9.7	9.1	1.2	1.4	1.[illegible]
Year	1011.2	1012.3	1010.1	1011.2	59	48	27	45	10.2	11.2	9.7	10.4	0.7	0.6	0.[illegible]
No. of years	10	16	16	16	10	16	16	16	10	13	13	13	10	16	1[illegible]

ABBANIYAH 1937-1952 **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.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
.0	2,5	2.7	1.6	2.2	2.9	8.5	7.5	4.8	1.6	0.6	1.9	3.1	1.7	1.8	1.3	10 0	6.6	6.1	4.5	1.6	1.4	2.8	4.6	2.8	2.9	8.6	2.1	7.8
.0	3.0	2.4	2.1	1.0	2.2	8.3	6.6	5.0	1.9	0.9	1.8	3.6	2.4	1.6	2.6	9 0	4.4	6.9	3.9	1.6	1.2	3.3	3.8	2.5	2.5	7.9	1.4	8.6
.3	2.9	2.4	2.3	0.7	4.5	8.2	7.3	5.0	4.1	1.6	1.9	2.3	2 9	2.0	2.7	10.8	2.8	7.6	4.9	1.6	1.9	2.3	3.7	2.9	3.8	9.2	0.8	8.8
.9	3.3	2 1	1.5	0.6	2.9	8.1	7.5	4.3	4.7	1.9	3.0	2 2	2.6	0.8	1.9	10.3	2.6	7.3	4.1	1.9	2.8	1.8	2.8	3.1	3.7	8.6	1.3	8.6
.1	1.3	0.6	0.8	0.7	3.6	13.5	6.5	4 8	6.6	2.1	1.8	0.4	1.3	1.1	2.8	13.2	1.8	7.8	4.2	1.0	0.6	0.8	2.4	2.9	5.4	12.5	1.2	8.3
.3	0.4	0.2	0.1	0.3	2.1	20.3	4.3	5.5	5.8	0.9	0.4	0.0	0.4	0.3	1.4	18.9	1.1	9 7	3.9	0.2	0.2	0.1	1.4	1.3	4.3	18.1	0.4	10.4
.1	0.3	0.1	0.0	0.1	2.9	22.0	2.9	6.4	4.3	0 3	0.1	0.1	0.2	0.1	1.3	24.4	0.4	11.2	2.8	0.6	0.2	0.0	1.1	1.4	4.4	19.9	0.6	10.6
.3	0.1	0.1	0.1	0.1	2.2	20 0	5.2	5.0	6.2	0.6	0.2	0.0	0 1	0.1	1.1	22.4	1.1	9.1	3.5	0.4	0.2	0.1	0 4	1.6	4 1	19.8	0.9	9.5
8	0.7	0.1	0.5	0.5	2.1	15.3	7.6	3.7	5.6	0.7	0.3	0.1	0.3	0.2	0.9	18.7	3.3	6.4	4.9	1.1	0.3	0 1	1.7	1.5	2.7	16.0	1.7	7.3
8	2.3	1.5	0.4	1.1	2.6	11.8	6 6	3.9	5.7	2.5	2.1	0.7	1.3	0.7	1.0	12.7	3.5	5.5	6.2	2.5	1.9	1.1	3.3	2.1	2.0	10.5	1.4	6.4
3	2.6	1.2	0.7	0.7	2.3	10.0	8.7	3.1	3.1	2.9	2.2	1.6	1.0	0.8	1.6	10.9	5.6	4.3	5.7	2.6	2.4	2.1	2.6	2.0	1.9	8 4	2.3	5.6
2	2.9	2.7	1.2	0.8	3.3	9 6	7.3	4.3	2.8	1.6	2.4	3.1	1.0	1 4	2.6	10.0	6.2	5 1	5.8	2.0	2.5	3 1	3.1	2.0	1.8	8.6	2.2	6.4
.1	22.3	16.1	11.3	8.8	33.6	155.6	78 0	4.7	56.4	16.6	18.1	17.2	15.2	10.9	21 2	171.3	39.4	7.4	54.4	17.1	15.6	17.6	30.9	26.1	39.5	148.1	16 3	8.2
	10	10	10	10	10	10	10	10	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16

an Total Cloud Amount (Oktas)			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	Hail	Thunder	Fog	Dust	Clear	Cloudly	Wind Force Not less than	
05	12					1,0	10.0									6	8
3.3	3,3	3.0	22.0	30.5	27/40	2,9	0,6	5,6	0,2	0.1	0,9	2,2	1,6	12,6	3,9	1.3	0,0
3.1	3·5	3.0	16.7	20.6	9/41	3.0	0.3	5.1	0.1	0,1	0.8	1.1	2,0	11,4	3,3	2,3	0.3
3.4	3.8	3.3	26.6	30,6	29/51	3.3	1 5	5,1	0,0	0.3	2.3	0,3	1.9	11.5	4,0	2,3	0.4
2,8	3.4	2,9	7,2	11.4	23/43	1,6	0.2	2.9	0.0	0,1	1,4	0.1	2.9	11.4	3.9	2,0	0,2
2,5	3,1	2.6	3.2	10,8	12/50	1.0	0.1	1.6	0,0	0.1	2,1	0,0	3.2	12.7	1.8	1.3	0.1
0.3	0.4	0.3	tr	t,r	16/44	0.0	0,0	0.0	0.0	0,0	0 0	0.0	1.2	29,1	0.0	0.6	0,0
0.4	0.4	0.4	tr	t'r	3/38,8,10,16/43	0.0	0,0	0.0	0,0	0,0	0.0	0.0	2.3	29,1	0,1	1.1	0.0
0,2	0.3	0.3	tr	t,r	10/40	0.0	0.0	0.0	0,0	0.0	0,0	0.0	0.5	30,0	0,0	0,2	0.0
0.4	0.5	0.4	0.5	6 4	25/51	0.1	0,0	0,2	0,0	0.0	0.2	0.0	0.4	27,8	0.1	0.0	0.0
2,0	2.6	2.1	2,3	15,2	20/42	0.5	0,1	1.1	0,0	0,1	0.9	0,1	1.0	19 2	1.6	0.3	0.0
3.9	3.4	3.2	15.5	23,1	29/38	2.6	0.4	4 3	0.0	0.0	1.7	1.3	0.8	13.4	2,8	0.3	0,0
3.5	3.7	3.2	18,9	28.2	13/38	3 6	0,6	4.9	0.0	0.0	1.4	2,6	0.4	11.1	4,9	1 5	0.3
2.1	2.4	2.1	112,9	30,6	29/3/51	18.6	3 8	30.8	0.3	0,8	11.7	7·7	18.2	219.3	26.4	13.2	1.3
16	16	16	16	16		16	16	16	16	16	16	16	16	16	16	16	16

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

TEMPERATURE (Fahrenheit)

MONTH	Mean G. M. T. 02	Mean G. M. T. 06	Mean G. M. T. 13	Mean Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Mox	Date.	Highest Min.	Dtae.	Lowest Min.
January	...	40.1	56.4	48.3	62.0	35.2	85	4,24,25-42	46	15-38 19-40	53	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
April	...	65.4	81.7	73.5	84.6	54.0	107	29-38	62	13-39	73	28-38	35
May	..	77.6	93.4	85.5	96.3	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	21-42	52
July	...	89.5	107.3	98.4	109.5	79.2	123	13,20-40	97	3,9-42	91	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	10 .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 8	71.3	63.1	75 5	46.3	104	10-41	61	8-38	76	3-41	30
December	...	42.6	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	06	13	Mean	Mean Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 0.2	06	13	Mean	Mean Low Clou (Oktas G. M. T. 02	06
January	...	1019.0	1016.8	1017.9	...	82	52	67	...	7.1	7.8	7.5	...	6.9
February	...	1018.0	1015.2	1016.6	...	77	45	61	...	7.8	7.9	7.5	...	1.8
March	...	1015.8	1013.2	1014.5	...	29	35	32	...	8.5	7.5	8.0	...	1.6
April	...	1013.9	1010.8	1012.3	...	49	25	37	...	10.6	8.3	9.5	...	1.2
May	...	1010.2	1007.5	1008.9	..	31	15	23	...	9 9	7.7	8.8	...	0.6
June	...	1005.2	1002.7	1003.9	...	27	11	19	...	10.5	8.1	9.3	...	0.1
July	...	1000.9	998.5	999.7	..	28	12	20	..	13.1	9.7	11.4	...	0.0
August	...	1003.1	1000.8	1001.9	...	31	13	22	...	13.8	10.5	12.1	...	0.2
September	...	1008.5	1006.1	1007 3	...	29	14	21	...	10.8	8.7	9.7	...	0.2
October	...	1014.3	1012.0	1013.1	...	44	23	33	...	10.6	9.7	10.1	...	1.2
November	..	1018.1	1015.6	1016.9	...	69	41	55	...	10.1	10.2	10.1	...	1.8
December	...	1021.4	1018.9	1020.1	...	80	52	66	...	7.9	8.9	8.4	...	1.7
Year	...	1012 4	1009 8	1011.1	...	48	28	88	...	10.1	8.7	9.4	...	1.0
No. of years	...	4-5	years		...	4-5	years		...	4-5	years		...	4-5

HADITHA 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.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
...	...	...	...	...	...	..	...	...	1.8	0.9	3.2	3.4	2.1	2.1	5.2	7.4	4.9	4.7	4.2	0.8	3.9	4.6	2.4	1.4	3.4	9.6	0.7	8.4
...	...	...	...	...	...	...	...	...	2.1	0.0	2.0	3.6	1.6	1.4	4.4	8.6	4.6	5.6	4.0	2.2	2.1	4.6	1.1	0.8	2.7	8.9	1.8	9.3
..	...	...	...	...	...	...	...	...	3.3	0.0	2.8	3.1	1.6	1.2	5.0	11.9	2.6	8.2	3.5	1.1	1.4	4.6	2.7	3.2	4.8	9.6	1.1	11.2
..	...	...	...	...	...	..	...	...	4.2	0.8	3.2	2.0	0.8	0.4	3.2	12.6	2.8	7.8	3.4	1.0	2.6	4.6	2.0	2.0	4.0	10.0	0.4	10.8
..	...	...	...	...	...	...	...	...	2.6	0.6	1.2	0.8	0.2	0.2	4.8	20.4	0.2	12.0	3.5	0.3	1.0	1.0	1.5	2.8	4.4	15.8	0.7	10.5
..	...	...	...	...	...	...	...	...	1.5	0.0	0.0	0.4	0.4	0.6	4.2	22.0	0.9	13.8	4.7	0.2	0.5	1.4	0.7	0.8	5.2	16.2	0.3	10.7
..	...	..	...	...	...	...	...	...	2.4	0.2	0.0	0.0	0.0	0.0	6.0	20.8	1.6	14.2	3.0	0.8	0.0	0.2	0.5	3.0	5.3	18.0	0.2	11.5
.	...	...	...	...	...	...	...	...	2.5	0.0	0.0	0.0	0.0	0.0	4.3	24.2	0.0	11.3	2.8	0.5	1.7	0.5	0.7	1.2	5.5	18.3	0.0	10.0
.	...	...	...	...	...	...	...	...	2.6	0.0	1.4	0.0	0.2	0.0	4.8	19.5	1.5	10.5	2.4	0.4	0.7	0.7	1.0	1.7	4.8	17.5	0.8	10.2
.	...	...	...	...	...	...	...	...	3.2	0.8	2.8	1.1	0.0	0.6	4.7	15.1	2.7	6.7	5.0	1.5	2.2	4.3	2.0	1.0	3.0	10.5	1.5	7.8
.	...	...	...	...	...	...	...	...	2.1	1.6	2.7	0.9	0.8	0.5	4.5	8.8	8.1	3.7	4.5	2.1	4.4	4.9	0.8	0.9	3.1	6.1	3.5	6.0
.	...	...	...	...	...	...	...	..	2.4	0.8	1.9	2.3	0.6	1.3	7.1	7.3	7.3	3.7	4.1	1.9	2.8	5.3	1.9	1.0	2.3	9.1	2.6	7.0
	...	...	...	...	...	...	...	...	30.7	5.7	20.7	17.6	8.3	8.3	58.2	178.6	37.2	8.5	45.1	12.8	23.3	36.7	17.3	18.6	48.5	149.6	13.3	9.4
	...	...	...	...	...	...	...	...				4	—5	y r	s.							4	—5	yrs				

an Total Cloud Amount (Oktas)			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	Cloudly	Wind Force Not less than	
06	13					1.0	10.0									6	8
3.4	3.5	3.5	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
3.4	4.0	3.7	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
3.4	4.3	3.9	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
3.3	4.1	3.7	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
2.1	2.6	2.3	3.4	7.8	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
0.2	0.9	0.5	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
0.6	0.4	0.5	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	0.0
0.4	0.4	0.4	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	0.2
0.6	0.4	0.5	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
2.5	2.6	2.5	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
3.3	3.0	3.1	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
3.3	3.3	3.3	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
2.2	2.5	2.3	164.5	46.8	24/11/37	25.7	5.0	35.0	0.6	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	eers					

HINAIDI 1923-1937 LATITUDE 33° 17′ N LONGITUDE 44° 29′ 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 Mox.	Date.	Highest Min.	Date.	Lowest Min.	Date
January	40.6	43.8	57.1	47.2	58.8	38 0	71	10/31	42	16/25	56	19/26	19	2
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	59.8	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	4/34	85	19/27,20/29	54	
June	75.0	90.2	108.3	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	2
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	10:.7	69.9	117	7-29,2,3-35	82	18/32	84	24/29	57	21
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	26,
Year	61.0	71.5	85.8	72.6	86.9	58.6	121	18-7-24.21-7-35	37	27/12/24	92	16/7/23,28-8-24	19	25.2
No. of years	9	9	9	9	12	12	15		15		15		15	

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Meau Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 0.2	06	13	Mean	Mean Low Cloud Am (Oktas) G. M. T. 02	06	13
January	1019.4	1020 7	1018.7	1019.6	84	72	51	69	7.4	8,0	8.1	7.8	2.0	1.8	2.1
February	1015.3	1016.4	1014.5	1015.4	81	67	44	64	8.4	9.3	8.7	8.8	1.2	1.4	2.1
March	1014.3	1015.6	1013.8	1014.4	64	53	27	48	8.2	9.2	7 7	8.4	1.0	1.2	1.5
April	1010.8	1011.9	1010.0	1010.9	62	45	26	44	10.7	12.1	9.9	10.9	1.4	1.3	1.5
May	1008.8	1009.0	1007.5	1008.3	49	34	20	34	11.6	13.1	10.7	11.9	1.0	0.8	1.3
June	1003.8	1003.8	1002.3	1003.1	33	25	13	24	9.7	12.0	9.9	10.5	0.1	0.2	0.2
July	998.4	999 0	997.5	998.3	32	26	14	24	10.7	13.6	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	13.8	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	0.4	0.2
October	1012 9	1014.1	1012.1	1013.0	46	36	21	34	8.6	10.4	10.1	9.7	0.4	0.6	0.8
November	1016.7	1017 9	1015.9	1016.8	69	60	39	56	9.8	11.0	10.8	10.5	1.4	1 4	2.0
December	1019.2	1019.9	1018.6	1019.2	83	78	51	71	8.5	8.6	9.3	8.8	1.5	1.9	2.0
Year	1010.4	1011.3	1009.6	1010.1	56	46	28	43	9.5	11.1	9.9	10.2	0.9	0.9	1.2
No. of years	9	9	9	9	9	9	9	9	9	9	9	9	4	4	4

NAIDI 1923-1937 **HEIGHT ABOVE M.S.L. 32. O 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	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
2,5	2,7	1,8	0,8	4,8	7,9	4,9	7,0	3,2	1,4	1,2	3,2	1,6	1,4	5,9	7,6	5,4	6,4	7,4	1,8	1,7	3,0	1,8	1,0	2,7	9,1	2,6	9,2
2,9	3,6	1,9	0,9	3,0	3,9	6,6	6,2	4,0	0,7	2,6	4,6	2,0	1,2	3,9	4,4	4,9	7,4	5,3	0,9	2,0	4,1	2,0	1,1	3,1	7,4	2,2	9,4
2,8	3,6	1,2	0,6	4,4	7,1	4,9	6,3	5,0	0,9	2,0	4,8	1,9	0,5	3,9	8,5	3,5	8,7	5,8	0,7	1,9	3,8	2,1	0,9	3,6	9,5	2,7	10,3
2,0	3,6	2,2	0,8	2,9	5,6	5,3	6,5	5,4	1,5	1,6	3,8	3,0	1,0	4,9	6,6	2,4	9,3	5,8	0,8	1,2	2,5	2,1	1,6	5,5	8,3	2,2	9,7
1,6	1,4	1,0	0,8	4,3	6,1	6,2	5,5	6,9	2,6	2,4	1,3	1,5	0,8	5,8	7,4	2,3	9,7	5,8	0,5	1,2	2,1	1,6	1,6	8,8	7,7	2,2	9,8
0,5	0,0	0,1	0,2	3,6	15,5	2,4	6,4	6,1	0,9	0,2	0,1	0,1	0,4	5,8	15,3	1,1	10,0	4,5	0,1	0,0	0,0	0,3	1,0	8,1	14,7	1,3	11,4
0,1	0,1	0,1	0,3	6,4	15,0	2,6	8,2	5,3	0,3	0,0	0,0	0,2	0,3	5,6	18,8	0,5	11,0	2,9	0,0	0,1	0,0	0,4	1,2	8,4	16,7	1,3	10,2
0,1	0,0	0,1	0,1	3,7	14,1	3,5	7,0	6,4	0,6	0,2	0,0	0,5	0,1	4,9	17,6	0,7	10,6	4,8	0,5	0,0	0,1	0,4	0,5	6,3	16,9	1,5	10,6
0,6	0,4	0,3	0,1	4,2	10,5	5,0	5,0	6,4	1,3	0,4	0,3	0,8	0,7	5,6	12,7	1,8	8,8	6,0	0,6	0,3	0,5	0,4	0,8	5,1	14,4	1,9	10,2
1,7	1,4	0,5	0,5	4,0	7,5	7,8	4,6	6,0	2,1	1,4	1,7	1,1	1,0	5,2	9,5	3,0	7,8	5,5	1,2	1,6	1,3	1,3	1,0	3,3	12,4	3,4	8,6
2,7	2,7	1,1	0,6	3,8	7,0	7,9	4,0	4,0	0,8	2,3	4,3	2,0	0,8	4,8	7,0	4,0	7,0	4,6	0,7	2,3	3,4	2,2	0,7	3,3	8,5	4,3	7,8
1,7	2,1	1,1	0,7	6,8	6,1	8,6	1,0	2,8	0,8	2,0	3,6	1,2	0,9	7,4	7,2	5,0	6,3	5,0	0,8	2,3	2,2	1,3	0,8	3,4	9,5	5,6	6,7
19,2	21,6	11,4	6,4	51,9	106,3	6,57	6,0	61,5	13,9	16,3	27,7	15,9	9,1	63,7	122,6	34,6	8,6	62,9	8,6	14,6	23,0	15,9	12,2	61,6	135,7	31,2	9,5
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 (Oktas) G. M. T. 06	13	Mean	Rainfall in Millimetres: Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least 1,0	10.0	Mean Number of Days: Rain	Snow	Hail	Thunder	Fog	Dust	Clear	Cloudly	Wind Force Not less than 6	8
3,0	3,4	3,0	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
3,2	3,4	3,0	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
3,0	3,2	2,8	97,3	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
2,8	3,4	2,9	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
2,2	3,2	2,6	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
0,3	0,6	0,4	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
0,2	0,5	0,3	0,0	0,0	...	0,0	0,0	0,0	0,0	0,0	0,0	0,0	2,6	29,1	0,8	2,3	0,0
0,2	0,2	0,2	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
0,4	0,3	0,3	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
1,6	1,9	1,5	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
3,0	3,3	2,7	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
3,4	3,7	3,1	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
1,9	2,3	1,9	142,0	38,3	15/12/30	20,2	4,9	26,6	0,0	0,7	3,8	5,6	16,1	213,9	32,9	32,1	2,2
9	9	9	15	15		15	15	15	15	15	15	15	15	15	15	4	4

KRHANAQIN 1939-1952 LATITUDE 34° 18' N LONGTITUDE 45° 26' E

TEMPERATURE (Fahrenheit).

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean. Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.
January	43,3	46,6	57,3	49.1	58.6	39.9	81	3.4/44	36	5/24 15/50	58	5/44	20
February	45,2	49,7	60,6	51.8	62.2	41.8	85	28/41 9/44	37	6/50	59	17/40	24
March	49,9	58,0	67.4	58.4	69.1	46.9	89	14.27/44	44	1/38	79	14/44	28
April	58,2	71,4	80,3	70.0	82.0	55.0	102	28/44	58	1/46	75	17.29/44	35
May	69,5	84,5	93,5	82.5	95.2	66.4	110	8.9.10/42	73	1/48	85	29/48	47
June	75,6	93,8	103,6	91.0	105.0	72.7	117	25.28/42	94	8/42 9/52	90	15/38 19,20,22/42	58
July	80,4	96,6	109.3	95.4	110,8	77.9	122	19/40	99	1/50	98	9/38 7/47	66
August	78,9	95,1	108,7	94.2	110.1	76.8	121	7/34 8/38	95	27/41	96	1/45	58
September	72,5	88,8	101.9	87.6	103.1	69.6	117	1/45	87	30/38	84	14/47 91/52	51
October	64,2	76,6	89.6	76.8	91.8	61.6	107	17/46 5/48	68	14/48	79	22/43 21/44 5/46 11/48	39
November	54,6	62,1	74,3	63.7	77.1	51.8	95	7/40	53	21/52	74	1/47	32
December	46,6	50,5	61,7	52,9	63,5	43.2	78	1,2/43	45	29/48	64	2/37	23
Year	61,6	72,8	84.0	72.8	85.7	58.2	122	19.7/40	36	5/1/42 15/1/52	98	9,7/38 7.7/47	20
No. of years	14	14	14	14	14	14	14		14		14		14

MONTH	Mean Pressure Millibars G. M. T. 03	06	12	Mean	Mean Relative Humidity Per Cent G. M. T. 03	06	12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	06	12	Mean	Mean Low Cloud (Oktas) G. M. T. 03	06	12
January	1019,0	1019,3	1017,1	1018,5	82	75	53	70	7,9	8,3	8,4	8,2	2,1	2,5	3,
February	1017,0	1017,7	1015,6	1016,8	78	68	45	46	7.9	8,4	8,0	8,1	2,5	2,7	3.
March	1014.8	1015.1	1013.2	1014.4	75	61	40	59	9,2	9,7	9,2	9,4	2.7	2,6	3,
April	1012,3	1012.4	1010,5	1011,7	61	45	28	45	10,1	10,6	9.2	10,0	2,1	1,9	2.
May	1008,0	1007.6	1005.9	1007.2	44	28	19	30	10,4	10,8	9,7	10,3	1,7	1,3	2,
June	1002,8	1001.9	1000,5	1001,7	29	18	12	20	8.7	9,4	8,7	8,9	0.0	0.1	0,
July	997,9	998.0	995,4	997.1	27	18	12	19	9,7	10,0	10,0	9.9	0,4	0,2	0.
August	999,8	999.1	997,4	998.8	27	18	13	19	9.1	10,4	9,6	9,7	0,4	0,2	0,
September	1006.1	1005,9	1003,9	1005.3	28	20	12	20	7,7	9,0	8,3	8,3	0,3	0,3	0,
October	1018,2	1013,4	1011,0	1612.5	37	29	19	28	7,7	8.6	8,4	8,2	1,2	1,1	1,
November	1017,2	1017,5	1015.3	1016,7	61	51	35	49	8,9	9,4	9,4	9,2	1,7	2,1	2,
December	1019,8	1020.4	1018.0	1019,4	79	70	51	67	8,7	8,9	9.3	9,0	2,4	2,6	2,
Year	1010,7	1010,7	1008,7	1010,0	52	42	28	41	8,8	9,5	9,0	9,1	1.5	1.5	1,
No. of years	14	14	14	14	14	14	14	14	14	1,4	14	14	14	14	1

KHANAQIN 1937–1952 HEIGHT ABOVE M.S.L. 201.2 m.

WIND—Average Frequency from Specified Directions

0300 G. M. T.									0600 G. M. T.									1200 G. M. T.									
E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
11.6	2.4	3.9	0.1	1.7	0.2	10.8	2.8	0.9	1.0	8.9	2.9	3.9	0.5	0.8	0.2	11.8	3.0	2.4	0.6	2.9	1.7	6.6	2.0	7.5	2.1	5.2	4.1
10.4	1.9	3.9	0.2	1.0	0.2	8.8	2.9	0.6	0.9	10.6	3.4	3.9	0.4	1.1	0.2	6.9	3.3	2.5	0.4	1.4	1.7	7.5	2.3	7.4	2.1	3.1	4.6
11.1	2.1	2.9	0.3	1.4	0.1	11.4	2.4	1.6	1.1	10.4	2.7	3.9	0.8	1.4	0.4	8.5	2.9	3.1	0.5	1.6	1.8	6.1	2.4	9.2	2.4	3.8	4.8
12.9	2.2	2.1	0.1	0.9	0.1	11.0	2.1	2.0	1.6	9.6	2.0	3.1	0.6	1.8	1.2	8.5	3.4	3.6	0.4	2.0	1.3	3.4	2.6	11.1	2.6	2.9	4.7
14.1	1.7	1.9	0.3	1.3	0.2	9.4	2.8	1.9	2.1	7.2	1.6	2.9	0.4	3.4	2.1	9.3	2.7	3.0	0.1	2.0	1.2	3.6	2.4	12.6	4.6	2.4	4.8
11.9	1.3	1.0	0.1	0.9	0.1	13.9	3.3	3.5	2.1	7.0	0.6	1.2	0.4	4.4	0.6	10.2	2.1	3.4	0.2	0.4	0.5	1.4	0.8	16.1	5.2	1.5	4.4
10.3	1.0	0.6	0.2	1.8	0.1	16.1	1.4	1.6	1.9	6.8	0.8	0.7	0.6	4.0	2.2	12.4	2.1	3.0	0.2	0.9	0.2	1.7	1.4	17.4	4.3	1.8	5.1
11.7	1.4	0.5	0.0	0.9	0.6	13.9	1.6	2.1	1.2	6.6	1.2	0.6	0.4	3.4	1.9	13.8	2.0	2.4	0.6	1.0	0.1	0.9	1.1	17.6	5.4	1.7	4.7
11.0	1.7	0.9	0.1	1.6	0.4	12.8	1.8	0.7	1.6	8.2	1.1	0.4	0.4	3.0	1.7	13.0	2.0	3.1	0.4	0.9	0.6	0.9	0.9	15.4	5.0	2.9	4.4
14.2	1.8	1.3	0.0	0.9	0.5	10.1	2.1	1.1	0.9	9.9	1.9	1.6	0.5	2.3	0.6	12.1	2.1	2.7	0.4	1.3	0.8	3.9	1.4	14.9	4.4	2.2	4.6
11.4	2.1	1.9	0.3	1.8	0.4	11.4	1.9	0.8	1.1	11.0	2.7	1.8	0.2	0.9	0.4	11.2	2.2	2.5	0.6	2.1	0.9	3.8	1.5	8.6	3.9	1.33	3.6
12.0	1.7	3.0	0.1	0.8	0.1	12.0	2.1	1.0	0.8	11.1	2.0	3.7	0.1	0.8	0.1	11.5	2.3	2.2	0.3	2.9	1.4	5.1	1.5	9.4	2.4	5.8	3.5
142.6	21.3	23.9	1.8	15.0	4.0	141.6	2.3	17.8	16.3	107.3	22.9	27.7	5.3	27.3	11.6	129.2	2.5	33.9	4.7	19.4	12.2	43.0	20.3	147.2	44.4	34.6	4.1
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

Mean Total Cloud Amount (Oktas)			Rainfall in Millimetres					Mean Number of Days									
G. M. T. 06	G. M. T. 12	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	Cloudly	Wind Force Not less than 6	Wind Force Not less than 8
4.0	4.4	3.9	65.6	50.8	5/46	6.9	2.0	9.6	0.0	0.2	1.0	0.8	0.1	10.6	6.9	0.6	0.0
4.0	3.9	3.8	54.1	60.5	23/43	6.2	1.6	7.2	0.3	0.2	0.7	0.2	0.3	8.9	7.6	1.3	0.2
4.3	4.8	4.3	67.4	93.4	21/43	7.3	2.0	8.9	0.1	0.3	1.3	0.3	0.1	6.9	9.2	1.1	0.1
3.4	4.3	3.7	26.8	45.0	3/50	3.5	0.8	5.4	0.0	0.3	2.1	0.0	0.4	9.8	6.0	0.7	0.1
2.9	3.6	3.2	16.1	32.6	6/50	2.2	0.5	3.1	0.0	0.2	1.0	0.0	1.0	11.3	2.1	0.1	0.0
0.2	0.6	0.4	tr.	tr.	7/42 10/44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	28.5	0.1	0.1	0.0
0.5	0.7	0.7	0.7	9.1	10/38	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.5	25.5	0.5	0.0	0.0
0.5	0.6	0.6	0.1	1.9	28/38	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	28.0	0.1	0.1	0.0
0.6	0.7	0.6	0.1	1.0	25/51	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	27.5	0.1	0.1	0.0
2.2	2.8	2.4	6.6	54.8	30/37	0.7	0.1	1.5	0.0	0.0	0.4	0.0	0.5	17.5	2.0	0.0	0.0
3.5	3.8	3.3	31.3	38.4	13/40	3.8	1.3	5.2	0.0	0.0	0.0	0.1	0.1	12.9	3.4	0.1	0.0
4.1	4.4	4.1	58.9	54.1	20/39	6.6	1.9	7.7	0.0	0.0	0.8	0.1	0.1	9.7	7.2	0.4	0.0
2.5	2.9	2.6	327.2	9.84	21/3/43	37.5	10.2	48.9	0.4	1.2	6.8	0.5	3.4	197.1	45.2	4.6	0.4
14	14	14	14	14		14	14	14	12–14	12–14	12–14	12–14	12–14	10–11	10–11	14	14

KIRKUK 1938-1952 LATITUDE 35° 28′ N LONGITUDE 44° 24′ E

TEMPERATURE (Fahrenheit)

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Mox.	Date.	Highest Min.	Date.	Lowest Min.
January	41.5	45.7	53.3	46.8	54.8	38.4	70	22-48	30	4-42	52	4-51	20
February	43.2	49.1	56.6	49.6	58.5	40.1	80	25-41	38	9-49	61	26-41	20
March	48.0	55.8	63.4	55.7	65.2	44.8	86	31-52	44	4-52	63	14-44	22
April	57.2	67.9	76.6	67.2	77.9	54.1	98	30-44	53	13-39	72	27-44	34
May	68.5	82.4	90.4	80.4	92.4	65.1	110	7-42	69	1-48	83	30-51	47
June	77.6	92.8	101.1	90.5	102.7	73.8	115	24-42	87	2-43	91	22-42	57
July	82.5	96.8	107.2	95.5	108.8	79.0	118	23-40	99	4-40 3-42 7-46 1,3-50	96	21-40	68
August	81.9	96.1	106.5	94.8	108.1	78.7	116	13,14-42 5,6-43	95	25-39	96	14-51	67
September	74.5	88.4	99.1	87.3	100.6	71.1	115	2-45	84	29-38	88	7-52	49
October	64.6	76.7	86.2	75.8	88.0	62.2	106	1,2-52	69	13-48	79	2-43	34
November	54.9	62.9	71.6	63.1	73.4	52.2	91	1-44	52	30-41	71	1-52	34
December	45.6	50.7	58.1	51.5	60.6	42.5	79	1-47	43	4-41 26-47	60	17-43	21
Year	61.7	72.1	80.8	71.5	82.4	58.5	118	23-7-40	30	4-1-42	96	21-7-40 14-8-51	20
No. of years	14	14	14	14	14	14	14		14	14	14		14

MONTH	Mean Pressure Millibars G. M. T. 03	G. M. T. 06	G. M. T. 12	Mean	Meau Relative Humidity Per Cent G. M. T. 03	G. M. T. 06	G. M. T. 12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	G. M. T. 06	G. M. T. 12	Mean	Mean Low Clond (Oktas) G. M. T. 03	G. M. T. 06	G. M. T. 12
January	1019.2	1019.8	1018.1	1019.0	84	77	62	74	7.8	8.3	8.6	8.2	2.2	2.4	2.[illegible]
February	1017.5	1018.1	1016.3	1017.3	79	71	55	68	7.7	8.8	8.5	8.2	2.1	2.3	2.[illegible]
March	1015.5	1015.6	1014.0	1015.0	75	68	49	62	8.9	9.6	9.4	9.3	2.0	2.0	2.[illegible]
April	1013.1	1013.0	1011.4	1012.5	67	51	40	53	10.5	11.7	11.1	11.1	1.4	1.2	2.1
May	1009.0	1008.6	1007.0	1008.2	48	38	24	35	11.0	11.9	10.7	11.2	1.0	0.9	1.[illegible]
June	1008.7	1003.0	1001.3	1002.7	31	20	14	22	10.0	10.3	9.5	9.9	0.2	0.1	0.[illegible]
July	998.9	998.1	996.2	997.7	29	20	14	21	11.0	11.5	11.2	11.2	0.1	0.1	0.[illegible]
August	1000.6	1000.0	998.2	999.6	26	18	12	19	9.7	10.3	9.5	9.8	0.1	0.1	0.[illegible]
September	1007.1	1006.7	1004.7	1006.2	30	21	14	22	8.6	9.5	8.7	8.9	0.1	0.1	0.[illegible]
October	1014.1	1013.9	1012.0	1013.3	42	31	28	32	8.7	9.5	9.3	9.2	0.7	0.8	1.0
November	1018.1	1018.1	1016.2	1017.5	61	52	39	51	8.9	9.7	9.7	9.4	1.5	1.5	1.[illegible]
December	1020.5	1020.8	1019.0	1020.1	79	70	62	70	8.2	8.9	9.6	8.9	2.0	2.1	2.[illegible]
Year	1011.4	1011.6	1009.5	1010.8	54	44	34	44	9.3	10.0	9.6	9.6	1.1	1.1	1.[illegible]
No. of years	14	14	14	14	14	14	14	14	14	14	14	14	14	14	1[illegible]

88604

IRKUK 1938-1952 HEIGHT ABOVE M.S.L. 330. 8 m.

WIND—Average Frequency from Specified Directions

0800 G. M. T									0600 G. M. T.										1200 G. M. T.									
IE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
),5	5,8	3.4	1.4	0,2	0,1	0,9	2,8	5,6	4,7	7,3	5,3	5,2	1,6	0,4	0,3	1,5	4,7	5,2	2,9	1,2	3,1	4,9	5,2	2,9	2,7	5,2	2,8	6,4
),9	4,6	3,4	1,1	0,0	0,1	0,7	1,6	5,6	3,8	7,5	5,8	5,2	1,3	0,3	0,2	1,0	4,2	5,4	1,9	2,2	2,0	6,9	4,2	2,6	2,9	3,8	1,8	7,1
),9	4,4	3,9	1,0	0,2	0,4	0,6	2,4	5,1	4,2	5,6	5,5	4,9	1,8	0,8	1,8	1,8	5,6	5,2	2,6	1,1	2,2	4,8	4,6	4,5	3,9	5,5	1,9	7,2
,5	4,7	2,1	0,3	0,1	0,4	0,8	2,0	5,1	4,0	5,3	3,9	5,6	2,4	1,2	1,1	1,9	4,6	5,5	2,8	2,3	1,9	3,3	4,8	4,2	3,6	5,1	2,3	7,4
,3	3,3	1,4	0,5	0,3	0,5	1,7	2,6	4,9	4,4	4,3	2,2	3,0	3,7	1,2	2,4	7,4	4,6	5,5	2,8	1,9	1,1	1,9	3,8	5,2	6,0	7,0	1,3	9,0
,1	2,1	0,7	0,1	0,2	0,3	1,8	2,9	4,5	5,1	4,1	1,7	1,7	1,8	1,2	3,1	7,7	3,6	5,6	3,2	1,1	0,5	0,9	2,7	4,8	7,9	7,9	1,0	8,4
,0	1,6	0,5	0,2	0,1	0,1	2,9	4,4	4,1	5,4	4,8	1,6	1,6	1,1	0,8	2,6	9,1	4,6	5,8	2,9	1,1	0,2	1,1	2,6	5,2	7,4	8,2	1,7	8,6
,2	2,1	0,2	0,0	0,1	0,2	1,3	3,1	4,8	4,7	4,2	1,7	1,8	1,4	0,6	2,9	8,3	5,4	5,5	2,9	0,8	0,6	0,6	2,9	5,1	8,4	8,1	3,6	8,5
2	2,6	0,4	0,0	0,2	0,2	1,2	2,6	4,6	5,5	5,1	1,7	1,8	1,2	0,6	1,9	5,4	6,4	4,5	2,4	0,4	0,1	0,7	3,0	4,1	7,7	9,8	1,7	8,4
2	3,2	1,5	0,6	0,1	0,5	0,4	2,4	4,9	5,5	6,5	2,5	4,6	1,1	0,2	0,6	3,2	6,7	4,4	2,7	1,0	0,4	2,0	4,9	3,7	6,0	7,0	3,2	7,8
5	4,4	2,0	0,6	0,3	0,4	0,4	2,3	5,3	5,0	9,7	4,5	3,5	0,9	0,1	0,4	2,0	3,9	5,0	2,9	1,5	1,1	2,9	4,6	3,9	4,2	6,1	3,1	5,9
9	3,8	2,6	1,5	0,1	0,1	0,6	2,8	4,9	6,2	8,9	4,3	3,9	1,4	0,2	0,1	1,3	4,7	4,5	4,9	1,8	1,7	5,1	4,8	2,5	3,3	4,9	3,6	5,9
3	42,6	22,1	7,3	1,9	3,3	13,3	13,9	4,9	58,0	72,8	39,2	42,8	19,7	7,6	17,4	47,9	59,0	5,2	34,9	16,4	14,9	35,4	49,1	48,7	64,0	78,6	28,0	7,5
1	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

n Total Cloud Amount (Oktas)			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	Hail	Thunder	Fog	Dust	Clear	Cloudly	Wind Force Not less than	
06	12					1,0	10.0									6	8
3,9	4,8	3,9	66,6	42,9	27/40	7,9	2,3	9.9	0,8	0,2	0,6	1.0	0,1	9,8	8.1	0,7	0,1
3,8	4,2	3,8	70.8	53.9	14/46	7.2	2,3	9.6	0,4	0 1	1,1	0.2	0,3	9,7	6,6	0,4	0,0
3,9	4,4	3,9	81.0	80,4	7/46	7,7	2,8	9.2	0,1	0,4	2,3	0.0	0,3	8,6	7,1	0,4	0,0
3,0	3,8	3,2	42.8	40,9	6/39	7,2	1,3	7,6	0.0	0,2	3,1	0.0	0,2	10,6	4,6	0,2	0,0
2,4	3,8	2,7	6.7	19,1	11/50	2,1	0,1	3 1	0,0	0.0	1,7	0.0	0,9	13,7	2,8	0,2	0,0
0.5	0,8	0,6	tr.	tr.	2,4,5/39 10,2 /44 1,22/50 1/51	0,0	0,0	0.0	0,0	0,0	0,0	0.0	0,2	26,7	0,1	0 1	0,0
0,8	0,7	0,5	0,1	0.8	11/47	0,0	0,0	0.1	0,0	0,0	0,0	0 0	0,4	28,8	0 1	0,1	0,0
0,8	0,5	0,4	tr.	tr.	14,15/51	0.0	0,0	0.0	0,0	0,0	0,0	0.0	0.4	28,5	0,1	0,1	0,0
0.4	0,5	0,4	0.8	3.2	28/44	0,1	0,0	0.1	0,0	0.0	0,2	0.0	0,4	27,7	0,0	0.0	0,0
2,0	2,4	2,0	4.3	9.0	31/89	1,2	0,0	2,1	0,0	0,0	0,5	0.0	0.8	18,4	1,4	0.0	0,0
3,2	3,5	3,1	36,6	44.0	3/45	4,1	1,3	5.8	0,0	0,1	0,1	0.0	0.4	12,4	4,6	0,3	0,0
3.8	3,6	3,5	70.8	46.3	30/45	6,6	2,5	8.7	0,0	0,0	0,6	0.4	0,1	11,5	6,8	0,2	0,0
2,3	2,7	2,4	379.5	80.4	7/8/46	44,1	12,6	56.2	0,8	1,0	10,2	1.6	4,5	206,4	42,3	2,7	0,1
14	14	14	14	14		14	14	14	14	14	14	14	14	14	14	14	14

KUT-AL-HAI 1939-1952 LATITUDE 32° 10' N LONGITUDE 46° 03' E

TEMPERATURE in Degrees Fahrenheit

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean Min.	Highest Max.	Date	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January	43,4	48,8	61,2	51.0	62.6	41.1	76	28/41 21/48	43	5/44	59	5/44	20	
February	49,1	52,7	64,7	55.5	67.2	43.5	85	24.27/41	49	7/45	59	14/43 9,29/52	25	
March	52,6	61,7	72.5	62.8	74.2	42.5	92	14/44	56	7/43 1/45 4/52	69	28/44	32	
April	61.0	74,0	84,1	73.0	85.8	59.4	104	30/44	65	1/46	78	27/47	43	
May	72,4	88.1	98,0	86 2	99.5	70.2	115	12,13.16.26/41	82	1/48	87	31/45	54	
June	79,0	96,2	106,2	93.8	107.5	76.6	121	26/42	98	2/48	89	26/42	65	
July	82,0	96,9	109,9	96 8	111,8	79.2	122	21/43	100	3/40	90	27/41 23/42 28/51	71	
August	80,7	96,8	110,6	96.0	112.0	79,1	120	26/43	99	27/41	91	6/52	66	
September	74,6	90,8	104.8	90.1	106.4	73.0	119	3/45	95	38/41	88	2/40	61	
October	65,8	80,8	93.7	79,9	95,5	63.5	111	3/47	70	14/48	80	2/51	44	
November	55,5	65,5	78,6	66.5	80.3	53.8	99	3/49	54	21/52	72	4/47	37	
December	46,7	52,7	65,4	54,9	67,8	46.5	84	1/43	50	28/45	61	1/45	24	
Year	63,8	75,8	87.5	75.4	86.6	60.7	122	21/7/43	48	5/1/42	91	6/8/52	20	
No. of years	12	12	12	12	12	12	12		12		12		12	

MONTH	Mean Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Relative Humidity (Per Cent) G. M. T. 03	06	12	Mean	Mean Vapour Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Low Cloud (Oktas) G. M. T. 03	06	12
January	1019,6	1020.6	1018,6	1019,6	83	77	50	70	10,1	9.9	10,0	10,0	1,2	1,4	
February	1017,9	1018,8	1016,8	1017,8	78	70	42	63	8.5	9.4	8,9	8,9	1,1	1,0	
March	1015,1	1016,0	1014,2	1015.1	76	61	38	58	10.4	11,6	10,8	10,8	1,2	1,2	
April	1012,8	1013.2	1011,5	1012,3	66	49	29	48	12,2	13,5	11.2	12,2	0,9	0,9	
May	1008,0	1008.7	1007 2	1008.0	51	31	19	34	13,5	13,9	11,5	13.0	0,7	0,4	
June	1002,4	1002 9	1001,9	1002,4	36	22	13	24	11.8	12,7	10,4	11,6	0.0	0.0	
July	998,0	999 4	997,4	998,8	38	28	14	23	11,9	14,3	12,7	13,0	0,0	0,0	
August	999,6	1000,8	999 0	999,6	38	25	14	24	11,8	14,8	12,7	12,9	0,0	0,0	
September	1005,9	1006,7	1005,5	1006.0	37	27	15	26	10,7	13,3	11,5	11,8	0,1	0,0	
October	1012,9	1014,0	1012,4	1013,1	47	36	22	35	10,2	12.9	11,9	11,7	0,4	0,4	
November	1017,8	1018,1	1016 3	1017,2	68	57	37	54	10,6	12,3	11,9	11,6	0,9	0.9	
December	1020,0	1021 0	1019,0	1020,2	83	75	51	70	9,8	10,4	10.7	10,1	1,4	1,4	
Year	1010,7	1011,6	1010,0	1010,8	58	46	29	44	10,9	12,4	11,1	11,5	0,7	0.6	
No. of years	12	12	12	12	12	12	12	12	12	12	12	12	12	12	

KUT-AL-HAI 1940-1952 HEIGHT ABOVE M.S.L. 14. 9 m.

WIND—Average Frequency from Specified Directions

0300 G. M. T									0600 G. M. T.									1200 G. M. T.								
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
1.1	5.5	2.1	0.7	1.3	9.1	5.1	3.2	5.3	2.0	0.8	5.0	3.8	1.3	1.0	8.8	6.1	2.3	6.0	2.7	0.5	4.6	3.3	2.2	1.3	5.7	9.3	1.3	7.0
1.3	5.9	1.2	1.0	1.3	8.0	4.5	2.8	5.2	2.3	1.0	5.1	3.3	1.1	1.4	7.2	5.0	2.1	6.3	3.6	1.0	3.7	3.6	1.5	0.9	4.0	8.7	1.1	7.8
1.5	5.3	1.8	0.9	1.6	7.4	5.7	3.7	5.3	3.3	1.7	5.4	3.3	1.2	1.0	6.3	7.7	0.8	7.1	3.5	1.1	4.5	4.1	1.7	0.8	4.9	9.4	0.7	8.0
1.2	4.3	2.5	1.5	1.0	6.6	6.9	4.0	4.8	3.3	1.4	4.1	2.5	1.8	1.5	6.2	6.3	1.9	6.5	4.3	1.3	3.7	3.4	1.7	0.6	4.1	9.7	0.6	7.9
1.3	2.0	1.3	1.0	0.8	8.3	8.0	3.5	4.4	4.5	1.7	3.1	1.7	1.2	1.5	6.6	9.1	1.4	6.6	4.9	1.1	2.4	1.7	1.2	1.5	7.3	10.1	0.3	7.9
0.1	0.4	0.0	0.3	0.4	11.2	13.0	1.1	5.6	4.0	0.3	0.5	0.2	0.3	1.0	8.7	14.0	0.3	7.8	2.0	0.1	0.3	0.3	0.8	0.4	9.7	15.7	0.3	9.4
0.0	0.3	0.3	0.3	1.1	14.3	12.3	1.3	5.6	2.4	0.3	0.4	0.2	0.5	0.9	13.3	12.4	0.4	7.8	1.2	0.0	0.4	0.5	0.5	0.7	14.1	13.3	0.2	9.3
0.2	0.5	0.3	0.3	1.0	12.2	10.5	2.9	4.7	3.7	0.3	0.7	0.7	0.4	1.1	11.1	11.2	1.6	6.8	2.5	0.0	0.5	0.5	0.4	0.5	11.4	14.1	0.7	8.3
0.4	0.7	0.0	0.4	0.9	9.4	12.1	2.7	5.7	3.7	0.8	1.7	0.8	0.3	0.7	7.9	12.2	1.6	5.6	2.9	0.8	1.1	0.6	0.7	0.6	6.7	14.7	1.3	7.3
1.7	2.4	0.7	0.7	1.0	8.7	8.1	3.4	4.3	4.4	1.5	3.3	3.1	1.2	0.8	6.0	8.8	1.8	4.3	3.2	1.0	2.0	2.7	1.4	0.6	6.7	11.2	2.1	5.8
1.6	4.6	1.0	0.8	0.8	10.1	5.7	3.0	4.3	3.0	2.0	3.7	3.0	1.1	1.1	7.7	6.1	2.3	4.9	3.7	1.2	3.3	3.3	0.7	0.6	5.6	9.3	2.3	5.7
1.2	4.7	1.8	0.7	0.7	9.7	5.7	3.8	5.3	2.4	1.3	4.8	2.3	1.0	0.7	8.7	6.4	2.9	5.3	2.3	1.8	4.9	2.3	1.0	1.4	5.2	8.7	2.2	6.0
11.6	36.6	13.0	8.6	11.9	115.0	97.6	35.4	5.0	39.0	13.1	37.8	24.9	11.4	12.7	92.0	105.5	19.4	6.3	37.7	9.9	31.4	26.3	13.8	9.9	85.4	134.2	13.1	7.5
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Mean Total Cloud Amount (Oktas) G. M. T. 06	12	Mean	Rainfall in Millimetres: Mean	Max. Fall in 24 hrs.	Date	No. of Days with at least 1.0	10.0	Mean Number of Days: Rain	Snow	Hail	Thunder	Fog	Dust	Clear	Cloudy	Wind Force Not less than 6	8
3.4	3.8	3.0	25.7	41.9	14/47	3.7	0.8	4.5	0.1	0.1	0.9	0.9	0.6	13.0	4.0	0.8	0.1
3.5	2.8	2.6	22.2	26.9	8/41	3.0	0.7	4.2	0.0	0.3	0.5	0.3	0.3	13.9	3.2	0.2	0.0
3.2	3.7	3.4	26.2	49.1	13/46	3.8	0.5	5.0	0.0	0.0	2.5	0.4	0.3	11.2	3.9	0.3	0.1
2.5	2.8	2.7	8.2	25.0	22/16	1.9	0.1	3.0	0.0	0.2	2.3	0.1	0.6	14.2	3.5	0.3	0.0
2.3	2.7	2.5	5.4	28.7	5/49	1.0	0.1	1.6	0.0	0.1	1.7	0.2	1.7	14.7	2.1	0.2	0.0
0.1	0.2	0.1	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	29.4	0.1	0.0	0.0
0.3	0.1	0.3	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	29.7	0.0	0.4	0.0
0.2	0.1	0.2	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	30.0	0.0	0.1	0.2
0.2	0.2	0.2	tr.	tr.	28/42,8/51 14/52	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	28.7	0.1	0.1	0.0
1.5	1.7	1.6	1.1	8.4	30/43	0.3	0.0	0.7	0.0	0.0	0.4	0.0	0.3	20.3	1.2	0.0	0.0
2.8	3.1	2.8	15.5	29.2	28/47	2.2	0.6	3.1	0.0	0.0	1.0	0.6	0.2	14.2	4.0	0.0	0.0
3.2	3.6	3.2	20.9	22.6	3/51	3.7	0.9	4.9	0.0	0.0	0.5	0.6	0.0	11.7	5.4	0.1	0.0
1.8	2.0	1.9	131.8	49.1	13/3/46	19.6	8.7	27.0	0.1	0.7	9.9	3.1	6.6	231.0	27.5	2.5	0.2
12	12	12	12	12		12	12	12	12	12	12	12	12	12	12	12	12

MOSUL (German) 1908-1914 LATITUDE 30° 22' N LONGITUDE 43°

MONTH	TEMPERATURE (Fahrenheit) Mean G. M. T. 08	06	12	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Max.	Date	Highest Min.	Date	Lowest Min.
January				49.4	50.4	33.8	63.9						0.4
February				58.5	55.9	37.5	67.1						5.2
March				68.7	65.2	42.8	83.7						29.1
April				71.8	78.7	49.9	91.8						36.8
May				88.2	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				98.3	100.1	65.9	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						24.8
Year				84.8	80.4	58.9	118.8						0.4
No. of years				4	4	4	4						4

MONTH	Mean Pressure Millibars G. M. T. 03	06	12	Mean	Mean Relative Humidity Per Cent G. M. T. 03	06	12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	06	12	Mean	Mean Low Cl (Obs G. M. T. 03	06
January		1001.0						80						
February		996.8						78						
March		996.6						68						
April		992.0						67						
May		990.2						58						
June		988.7						38						
July		981.0						28						
August		988.4						26						
September		990.9						36						
October		995.9						49						
November		1000.7						70						
December		1002.4						79						
Year		992.9						56						
No. of years		1						4						

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

WIND—Average Frequency from Specified Directions

0300 G. M. T.									0600 G. M. T.									1200 G. M. T.								
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
									1.9	4.8	5.8	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	5.9	4.7										
									2.1	5.7	3.6	2.1	0.8	1.5	2.7	7.8	4.2										
									3.7	3.1	2.2	3.5	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	5.8	4.3	5.6	1.5	1.9	2.8	5.3	3.1										
									30.4	41.0	46.9	54.4	15.9	19.7	35.0	75.8	41.7										
									4	4	4	4	4	4	4	4	4										

Moan Total Cloud Amount (Oktas)			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	Cloudly	Wind Force Not less than	
06	12					1.0	10.0									6	8
		4.4	71.4	30.5				11.0									
		4.4	87.9	40.6				10.5									
		3.4	61.7	34.3				8.0									
		4.1	61.0	26.2				10.5									
		2.9	11.9	8.4				5.3									
		0.6	0.8					0.5									
		0.4	0.0	0.0				0.0									
		0.4	0.0	0.0				0.0									
		0.6	0.3					0.0									
		1.9	16.5	17.5				1.8									
		2.6	71.1	75.9				4.8									
		3.8	55.9	28.4				8.5									
		2.5	424.5	75.9				60.4									
		4	4	4				6									

MOSUL 1923-1952 LATITUDE 36° 19′ N LONGITUDE 43° 09′ E

TEMPERATURE (Fahrenheit)

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Mox.	Date.	Highest Min.	Dtae.	Lowest Min.	Date
January	37.8	39.1	52.2	43.0	53.9	35.1	69	21/48	28	1,2/25 5/42	52	27/24	12	
February	40.5	48.8	56.8	47.0	57.7	38.0	78	25/41	33	8,9/52 6/50	55	25/41	15	
March	48.9	51.1	64.5	53.2	66.2	41.7	87	19,23/25 22/32 26. 27/37	41	1/28	62	21/25 14/44	25	3/28
April	51.3	62.8	75.7	63.3	76.5	49.1	104	24/28	52	13/39	69	6/28	31	
May	60.9	72.4	89.3	74.0	91.5	58.0	106	28/45	67	1/18 11/50	79	21/29	43	
June	68.1	87.8	101.2	85.7	102.8	65.3	115	24/42	83	2/33	89	29/30/26	50	
July	74.9	92.8	108.6	92.1	109.4	71.7	124	21/37	94	5/26	91	8/38	59	3/32
August	72.5	90.8	108.1	90.4	109.6	69.8	119	7/37	92	10/28	90	7/26 4/36	55	
September	63.3	80.9	99.9	81.4	101.7	60.7	117	4/35	75	18/32	83	7/52	45	30/38
October	52.1	67.3	86.3	68.5	88.4	51.5	105	3.4/52	48	27/32	71	21/43 17/47	32	25/45
November	47.3	54.2	70.5	57.8	72.5	44.9	95	4/32	48	27/32	66	8/32	26	16
December	3.99	42.9	57.3	46.7	58.5	37.5	76	3/43	31	30/24	59	1/45	19	
Year	54.3	65.5	80.9	66.9	82.4	51.9	124	21/7/37	28	1,2/1/25 5/1/42	91	8/7/38	12	
No. of years	24	24	24	24	26	26	29		28		28		29	

MONTH	Mean Pressure Millibars G. M. T. 08	06	12	Mean	Meau Relative Humidity Per Cent G. M. T. 03	06	12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	06	12	Mean	Mean Low Cloud Amoun (Oktas) G. M. T. 03	06	12	M
January	1019.9	1021.1	1018.6	1019.9	92	89	64	82	7.3	7.7	8.5	7.8	3.1	3.5	3.3	
February	1017.4	1018.4	1015.8	1017.2	90	85	57	77	7.5	8.2	8.8	8.2	2.9	2.9	3.5	
March	1015.6	1016.4	1013.8	1015.8	87	76	47	70	8.7	9.8	9.4	9.3	2.5	2.8	3.1	
April	1013.0	1013.8	1011.1	1012.6	86	67	41	65	11.0	13.1	11.8	12.0	2.2	1.9	2.7	
May	1009.8	1009.9	1007.4	1009.0	74	47	26	49	13.0	14.0	11.1	12.7	1.1	1.1	2.2	
June	1004.6	1004.4	1001.7	1003.6	58	30	15	33	12.3	13.5	10.4	12.1	0.3	0.2	1.0	
July	999.6	999.4	996.8	998.6	44	29	15	29	13.2	15.0	12.3	13.5	0.3	0.2	1.1	
August	1001.9	1002.0	999.0	1001.0	46	28	13	29	12.6	13.9	11.7	12.7	0.3	0.2	0.5	
September	1008.6	1008.5	1005.2	1007.4	55	38	16	35	10.9	12.3	10.6	11.8	0.3	0.4	0.7	
October	1015.2	1015.7	1013.0	1014.6	67	46	28	47	9.6	10.6	10.6	10.3	0.7	1.0	1.3	
November	1018.7	1019.6	1016.5	1018.3	81	70	44	65	9.3	12.3	10.8	10.8	1.9	2.1	2.3	
December	1021.0	1022.0	1019.3	1020.8	91	88	60	80	7.9	8.4	9.5	8.6	2.7	2.9	2.7	
Year	1012.1	1012.6	1009.7	1011.5	72	57	35	55	10.3	11.7	10.5	10.8	1.5	1.6	2.0	
No. of years	28	28	28	28	24	24	24	24	24	24	24	24	20	20	20	

SUL 1923-1952 **HEIGHT ABOVE M.S.L. 222. 6 m.**

WIND—Average Frequency from Specified Directions

0300 G. M. T									0600 G. M. T.										1200 G. M. T.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
1,5	2,5	2,0	0,9	0,3	1,1	3,7	16,5	2,0	2,3	1,4	2,5	2,5	1,3	0,4	1,3	4,2	14,3	3,1	2,7	1,9	4,0	3,9	2,3	1,4	2,6	3,7	8,4	4,6
1,3	2,6	2,4	1,0	0,5	1,3	2,3	14,5	2,5	3,0	1,3	3,0	2,6	1,3	0,7	1,2	4,1	11,0	3,4	2,5	2,3	4,3	4,4	3,1	1,5	2,3	3,0	5,0	5,0
1,7	2,7	1,1	0,8	0,4	1,9	3,3	16,6	2,2	4,5	1,6	3,3	2,2	1,0	0,8	1,8	5,5	10,7	3,2	3,7	2,2	3,8	3,0	3,2	2,3	3,2	4,3	5,2	5,3
1,0	1,5	0,7	1,0	0,5	1,5	3,1	18,2	1,6	5,4	2,1	3,2	2,2	0,7	0,3	1,3	4,5	10,2	3,0	5,3	2,7	3,6	2,4	2,5	1,9	3,3	4,5	3,5	5,2
1,0	0,9	0,4	0,3	0,2	1,8	5,0	16,5	1,6	7,5	2,5	2,9	1,5	0,5	0,2	1,0	5,7	9,2	3,3	7,0	2,8	3,0	1,4	1,9	3,0	3,5	5,2	3,3	5,6
1,3	0,7	0,4	0,3	0,2	1,5	4,9	15,7	1,8	8,9	1,5	2,1	0,6	0,2	0,2	1,5	8,3	6,7	4,0	5,2	2,5	1,5	1,0	2,3	4,3	5,0	5,4	3,1	6,1
1,1	0,6	0,3	0,1	0,2	1,9	7,0	13,8	2,4	8,7	2,1	1,8	0,6	0,3	0,2	2,0	10,0	5,2	4,3	5,0	2,4	2,3	2,1	2,9	2,9	5,0	4,8	3,7	5,3
1,7	0,9	0,2	0,2	0,1	1,5	4,4	16,0	1,8	9,9	2,5	1,3	0,3	0,1	0,0	1,5	8,7	6,7	3,9	5,3	2,1	2,0	1,4	2,5	3,5	5,0	5,4	4,0	5,2
1,6	0,4	0,2	0,3	0,3	1,3	3,3	18,3	1,3	9,0	2,1	0,7	0,3	0,2	0,2	1,4	7,8	8,3	3,0	4,7	1,5	1,2	1,2	2,3	3,5	5,0	6,6	4,0	5,3
1,5	0,8	0,5	0,6	0,3	1,5	3,0	19,9	1,3	7,0	1,8	1,4	0,5	0,4	0,1	1,5	6,5	11,7	2,4	5,1	1,9	1,8	1,8	3,0	2,0	4,0	4,7	4,4	4,2
0,9	1,7	1,0	0,9	0,2	1,5	3,2	18,0	1,8	4,3	1,6	2,3	1,5	0,7	0,1	1,4	4,0	14,1	2,3	3,4	1,7	3,4	2,6	1,7	0,8	2,4	4,8	9,4	3,5
1,3	1,9	1,5	0,3	0,4	1,5	2,8	18,7	1,5	3,7	1,6	2,5	1,9	0,8	0,3	1,7	3,5	15,0	2,0	2,6	1,9	4,1	2,7	1,6	0,5	2,6	4,0	11,0	3,1
15,9	17,2	10,7	6,7	3,6	18,0	46,0	202,7	1,8	74,2	22,1	27,0	16,7	7,5	3,0	17,6	27,8	123,1	3,2	52,5	26,9	35,0	27,9	29,3	27,6	43,9	56,4	65,0	4,9
24	24	24	24	24	24	24	24	19	24	24	24	24	24	24	24	24	24	19	24	24	24	24	24	24	24	24	24	19

Mean Total Cloud Amount (Oktas)				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	12					1,0	10,0									6	8
,0	4,7	4,7	4,5	70,1	37,5	13/33	9,8	4,2	11,1	0,6	0,3	0,6	5,5	0,0	8,4	10,9	0,0	0,0
,1	4,7	5,0	4,6	77,6	56,7	21/42	9,0	2,0	11,1	0,3	0,4	1,5	2,8	0,1	7,3	9,7	0,2	0,0
,9	4,2	4,7	4,3	52,7	36,0	5/50	7,8	1,8	9,0	0,0	0,5	2,3	1,8	2,7	8,1	8,2	0,2	0,0
,6	3,7	4,5	3,9	47,4	74,8	11/31	7,0	1,3	8,1	0,0	0,6	4,1	1,2	0,2	8,5	6,3	0,5	0,1
,8	2,9	4,1	3,3	18,1	38,6	2/27	3,9	0,5	4,3	0,0	0,3	3,8	0,1	0,8	10,6	3,6	0,1	0,0
,6	0,5	1,2	0,8	0,4	3,3	25/46	0,3	0,0	0,4	0,0	0,0	0,6	0,0	0,2	25,6	0,2	0,1	0,1
,6	0,5	0,9	0,7	0,2	2,3	24/24 8/43	0,1	0,0	0,1	0,0	0,0	0,2	0,0	0,3	27,4	0,2	0,1	0,0
,4	0,4	0,6	0,5	tr.	tr.	3/30,11/31 2/37,10/48 6/42,15,17/51	0,0	0,0	0,0	0,0	0,0	0,1	0,0	0,3	28,4	0,1	0,0	0,0
,5	0,5	0,9	0,6	1,0	1,3	16/28 20/38	0,1	0,0	0,2	0,0	0,0	0,2	0,2	0,4	26,1	0,2	0,1	0,0
,5	2,1	2,5	2,0	4,6	27,4	27/24	1,8	0,2	2,4	0,0	0,0	1,0	0,1	0,8	17,7	2,1	0,1	0,0
,0	3,7	4,0	3,6	47,7	86,3	27/29	6,3	1,6	7,1	0,0	0,1	1,9	2,7	0,3	11,5	6,3	0,3	0,0
,7	4,3	4,4	4,1	62,0	70,9	30/45	7,9	2,1	8,9	0,0	0,2	0,7	6,1	0,0	9,1	10,3	0,0	0,0
,4	2,7	3,1	2,7	381,8	86,3	27/11/29	54,0	13,7	62,7	0,9	2,4	17,0	20,5	6,1	188,7	58,1	1,5	0,2
24	24	24	24	29	29		29	29	29	29	29	29	29	29	29	29	29	29

NASIRIYAH 1940-1952 LATITUDE 31° 01′ N LONGITUDE 46° 14′ I

TEMPERATURE in Degrees Fahrenheit

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean. Min.	Highest Max.	Date.	Lowest Max.	Date.	Highest Min.	Date	Lowest Min.	Date
January	44,5	48,8	62,1	51.8	63.0	40.9	80	28/47	42	6/42	63	19/42	19	
February	47,2	53,4	67,0	55.9	68.1	44.6	90	22/52	48	9/49 7/50	63	18,21/40	25	
March	53,6	62,5	74,1	63.4	74.5	51.4	93	27/42 31/52	55	1/49	70	30/49	33	
April	63,1	74,4	85,7	74.4	87.0	60.7	109	28/42	68	1/45	76	27/43 28/52	40	
May	74,5	86,1	95,4	85.3	98.6	72.3	113	31/44	83	9/50	84	14/41 30/16 24/45 26/51	53	
June	78,7	89,7	101,2	89.9	103.1	76.1	118	28/47	88	3,5/43	89	25/42	65	13
July	79,6	92,0	105,8	92.5	11[illegible],2	77.1	120	29,30/51	91	8/42	87	6/48	68	
August	78,0	93,3	109,1	93.5	111.3	75.6	121	15/51	99	27/41	85	20/51 4/52	61	
September	73,2	88,8	105.3	88.8	106.7	70.3	120	6/40	94	10/49	88	8/51	57	
October	64,2	79,2	94.5	79.3	96,1	61.3	111	1/51	69	14/48	80	3/40	46	15,19,24.
November	55,6	65,0	79,1	66.6	80.2	52.9	98	1,2/42	56	21/52	70	9/47	35	
December	47,8	53,1	65.4	55,4	66,3	45.4	80	7/40/2,4/42 23/47	47	30/48	62	26/52	23	
Year	63,3	73,5	87.1	74.8	88.5	60.7	121	15/8/51	42	6/1/42	89	25/6/42	19	8
No. of years	11-12	12	12	12	10-11	9-12	10-11		10-11		9-12		9-12	

MONTH	Mean Pressure Millibars G. M. T. 03	G. M. T. 06	G. M. T. 12	Mean	Mean Relative Humidity Per Cent G. M. T. 03	G. M. T. 06	G. M. T. 12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	G. M. T. 06	G. M. T. 12	Mean	Mean Low Cloud Amount (Oktas) G. M. T. 03	G. M. T. 06	G. M. T. 12	M
January	1018,9	1020,1	1017,6	1018,9	78	72	46	65	8,2	8,7	8,8	8,6	1,1	1,2	1 5	
February	1016,7	1018,2	1015,8	1016,9	74	62	39	58	8.2	8,9	8,5	8,5	0,8	0,8	1.3	
March	1014,8	1015,6	1013.3	1014.7	70	56	35	54	10,1	10,6	9,6	10.2	1.0	1,0	1,4	
April	1011,6	1012.8	1010,5	1011,6	62	43	27	44	12,3	13,3	10,8	11,8	1.1	0,9	1.0	
May	1007,4	1008,5	1006.4	1007.4	44	36	25	35	15,3	14,6	13.7	14.5	0,7	0,5	0.8	
June	1002,1	1003.0	1001,6	1002,2	46	36	25	36	16,0	17,2	16,6	16,6	0.1	0.2	0,5	
July	998,0	998 8	997,4	998,1	42	32	21	32	14,4	16,3	16,1	15.6	0,1	0,6	0.7	
August	999,7	1000.5	998,9	999,7	39	26	16	27	12,7	13,9	13,5	13,4	0,1	0,1	0,4	
September	1005,6	1006,6	1004,7	1005.6	40	25	12	26	10,8	11,7	10,4	11,0	0,0	0,0	0.1	
October	1012,7	1013,8	1011,5	1012,7	49	33	20	34	10,1	11.0	11,6	10,9	0,3	0,3	0,3	
November	1016,6	1017,8	1015,3	1016,6	65	53	33	50	10,0	11,0	10,7	10,6	1,1	1.0	1,2	
December	1019,2	1020.3	1018.2	1019,2	83	72	50	68	9,3	10,2	10.5	10,0	1,3	1,3	1,5	
Year	1010,2	1011,3	1009,3	1010,3	58	45	29	44	11,5	12,2	11,7	11,8	0,6	0,7	0,9	
No. of years	11-12	12	12	12	11-12	12	12	12	11-12	12	12	12	11-12	12	12	

NASIRIYAH 1940–1952 **HEIGHT ABOVE M.S.L. 3.0m**

WIND—Average Frequency from Specified Directions

0300 G. M. T.									0600 G. M. T.										1200 G. M. T.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
1.6	3.0	3.3	1.8	1.5	5.9	8.3	4.5	6.1	1.0	0.9	2.1	3.6	2.3	2.3	6.5	9.5	2.7	7.0	2.3	1.1	2.8	2.7	2.1	1.4	4.7	11.8	2.0	8.6
0.5	3.6	3.3	1.7	2.0	5.3	6.9	3.1	6.2	1.2	0.6	2.4	4.3	2.3	2.2	5.8	7.7	1.9	7.5	3.2	0.8	2.8	3.7	1.3	1.0	4.7	9.4	1.3	9.9
1.7	2.8	4.5	2.7	2.0	4.2	7.6	2.5	6.3	3.3	1.5	2.8	3.3	2.8	1.7	5.4	8.4	1.7	7.9	5.1	1.7	3.7	3.3	1.7	1.1	4.4	9.2	0.9	10.1
1.6	3.3	3.3	2.3	1.7	2.7	7.4	4.3	5.8	3.1	1.3	3.0	3.2	2.5	1.7	4.3	3.1	2.0	7.5	5.7	0.8	5.4	3.6	0.4	0.3	3.7	9.2	0.9	9.7
1.3	1.3	2.3	1.5	2.1	4.5	9.3	3.3	6.5	4.4	1.0	1.8	1.8	2.0	2.1	4.2	12.2	1.8	8.5	3.6	1.2	4.4	1.9	0.6	0.3	2.9	14.1	2.0	9.8
0.2	0.3	0.0	0.7	1.3	6.3	15.7	1.5	8.4	2.3	0.1	0.3	0.3	0.3	0.3	5.7	20.1	0.7	9.8	3.4	0.3	0.9	0.2	0.1	0.0	4.3	20.5	0.4	12.3
0.3	0.2	0.1	0.6	1.5	8.5	17.0	1.5	7.8	2.0	0.2	0.2	0.3	0.1	0.3	6.8	20.7	0.6	10.1	2.4	0.1	0.8	0.3	0.0	0.0	4.9	12.19	0.7	12.7
0.2	0.6	0.1	0.7	1.7	7.3	16.4	1.7	7.4	3.0	0.7	0.3	0.3	0.4	0.3	6.3	18.8	1.1	8.8	4.3	0.3	1.0	0.4	0.4	0.2	3.7	18.0	1.1	11.0
0.3	0.5	0.7	1.2	1.7	6.1	14.2	2.7	6.0	3.3	0.1	0.3	0.3	1.5	0.9	5.1	16.6	1.8	8.1	5.6	0.3	1.7	0.8	0.5	0.3	2.5	16.9	1.5	10.5
0.7	1.4	2.1	3.1	2.4	5.3	10.0	2.6	5.9	3.7	0.4	1.1	2.4	3.0	2.3	5.0	11.3	2.0	6.6	7.5	1.0	2.6	2.3	1.5	0.6	2.0	11.8	1.7	8.3
1.3	2.3	2.9	1.7	2.8	5.9	7.8	3.0	5.3	2.0	0.7	1.8	3.3	2.7	1.8	6.0	10.2	1.4	6.6	4.6	0.3	4.6	2.6	1.9	0.3	2.4	11.5	1.8	7.6
1.1	3.0	3.7	1.7	2.3	5.7	8.4	2.9	5.7	1.3	0.7	2.0	4.4	2.4	2.2	6.9	9.3	1.7	6.7	3.2	0.9	3.9	3.2	1.6	0.7	5.3	10.4	1.8	6.9
10.8	22.3	26.3	19.7	23.0	67.7	129.0	33.6	6.5	30.6	8.2	18.1	27.5	22.3	18.1	68.0	152.9	19.4	7.9	50.9	8.8	34.6	25.0	12.1	6.2	45.5	164.7	16.1	9.8
1–12	11–12	11–12	11–12	11–12	11–12	11–12	11–12	11–12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

loan Total Cloud Amount (Oktas)				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	12						1.0	10.0									6	8
2.8	2.9	2.6		17.9	26.0	7/51	2.8	0.3	4.7	0.0	0.0	0.7	0.5	1.4	15.7	3.0	1.0	0.0
2.1	2.6	2.2		9.4	20.7	8/41	1.6	0.2	2.7	0.0	0.0	0.5	0.6	1.9	14.4	1.2	1.2	0.0
2.6	3.1	2.7		23.0	35.6	14/46	3.4	0.5	5.0	0.1	0.1	1.5	0.1	1.5	14.9	2.6	0.9	0.0
2.4	2.8	2.5		12.1	25.5	7/46	1.9	0.3	3.5	0.0	0.0	1.6	0.2	2.3	14.3	2.3	0.7	0.0
1.9	2.4	2.1		6.6	40.2	15/45	0.8	0.1	1.3	0.0	0.0	1.2	0.0	3.7	16.7	1.6	0.9	0.0
0.3	0.9	0.5		tr.	tr.	2/51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	26.7	0.3	0.7	0.0
0.7	1.0	0.7		0.0	0.0	..	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	25.2	0.4	0.5	0.0
0.2	0.4	0.3		0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	28.9	0.0	0.1	0.0
0.2	0.3	0.2		0.0	0.2	7/51	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.7	28.5	0.0	0.4	0.0
1.2	1.2	1.2		0.5	3.0	28/47	0.2	0.0	0.5	0.0	0.0	0.6	0.0	0.9	22.3	0.3	0.1	0.0
2.5	2.8	2.5		22.4	47.2	26/50	2.4	0.6	3.4	0.0	0.0	0.7	0.7	0.5	16.4	2.3	0.2	0.0
2.9	3.2	2.9		27.8	22.8	22/52	4.4	0.7	6.0	0.0	0.0	1.0	1.1	0.4	14.7	2.9	0.2	0.0
1.7	2.0	1.7		119.7	47.2	26/11/50	17.6	2.7	27.1	0.1	0.1	0.8	3.2	30.7	238.7	16.9	6.9	0.0
12	12	12		12	12		12	12	12	12	12	12	12	12	12	12	12	12

RAMADI 1923-1927:1932–1936 LATITUDE 33° 25′ N LONGITUDE 43° 17′ 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 Mox.	Date.	Highest Min.	Dtae.	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	3,
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	1/34
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	9/23,
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	1-33
July	78.3	92.4	108.1	92.9	109.6	76.4	120	21.22,23-35	95	4-38	67	14-24	68	1/27,
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	67.8	117	3-35	88	21-36	80	29-5	55	
October	63.1	74.3	91.4	76.3	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	62.1	85.0	71.2	86.3	57.3	121	5/8/26.7-8-36	38	27-12-24	87	4-7-24 4.5,7,8-8-36	19	3,1
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	13	Mean	Meau Relative Humidity Per Cent G. M. T. 02	06	13	Mean	Mean Vapour Pressure Millibars G. M. T. 0.2	06	13	Mean	Mean Low Cloud Amou (Oktas) G. M. T. 02	06	13	M
January	1020.1	1021.6	1019.2	1020.3	84	79	53	72	7.1	7.6	8.8	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	58	28	49	7.7	8.7	7.7	8.0				
April	1010.9	1012.1	1009.3	1010.4	59	42	22	41	9.2	10.2	8.0	9.1				
May	1008.3	1000.3	1006.7	1008.1	51	37	21	36	11.8	13.1	10.6	11.8				
June	1003.8	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	1020.2	1018.7	1019.7	81	76	50	69	7.5	8.3	8.9	8.2				
Year	1010.7	1012.3	1009.2	1010.7	57	48	28	44	9.4	11.0	10.0	10.1				
No. of years	4	4	4	4	4	4	4	4	4	4	4	4				

RAMADI 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.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
0.3	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	
0.2	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	
0.5	3.3	1.3	0.7	0.0	4.5	9.3	7.3		5.5	1.0	2.3	2.0	1.3	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	
0.5	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	
1.3	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	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	
0.0	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	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	
0.0	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	
0.0	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	
0.5	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	
0.5	1.3	1.3	0.7	0.5	2.7	12.2	6.8		6.3	0.7	1.0	2.0	.05	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	
3.6	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	4	

Mean Total Cloud Amount (Oktas)				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	Cloudly	Wind Force Not less than	
	06	13					1.0	10.0									6	8
2.8	3.0	3.1	3.0	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		
2.6	3.0	3.6	3.1	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		
2.2	2.6	3.3	2.7	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		
2.2	2.2	2.9	2.4	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		
2.3	2.2	3.0	2.5	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	0.2	0.8	0.4	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		
0.2	0.1	0.2	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		
0.6	0.4	0.4	0.5	0.0	0.0	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	25.6	0.3		
0.2	0.2	0.3	0.2	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		
1.7	2.2	2.2	2.0	1.8	0.6	19/35	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.5	15.3	1.5		
2.3	2.7	3.3	2.8	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		
3.1	3.8	3.4	3.4	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		
1.7	1.9	2.2	1.9	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	4	8	7		7	7	7	7	7	7	7	7	7	7		

RUTBA 1928-1952 LATITUDE 33° 02′ N. LONGITUDE 40° 17′ E

TEMPERATURE in Degrees Fahrenheit

MONTH	Mean G. M. T. 03	Mean G. M. T. 06	Mean G. M. T. 12	Mean	Mean Max.	Mean. Min.	Highest Max.	Date.	Lowest Max.	Date	Highest Min.	Date	Lowest Min.	Date
January	36.4	39.5	54.1	43.3	55.1	33 7	77	28/41	32	4/42	50	27/41	6	
February	39.0	43.9	58.6	47.2	59.9	36.4	89	24/41	33	6/50	59	26/41	17	
March	43.9	51.7	66.1	53.9	67.6	37.0	95	18/31	42	7/38	60	19/31 29/38 24/51	21	
April	52.5	63.2	76.9	64.2	77.8	50.2	101	30/44	49	8/37	73	8/52	32	
May	61.4	74.2	87.1	74.2	89.1	58.9	108	7/42	67	3/46	79	26/39	42	
June	66.6	81.6	95.6	81.3	96.8	65.4	112	17/49	78	2/34	79	9,10/32	54	
July	71.8	85.0	99.9	85.6	101.3	70.2	115	21,22/40	91	5/33 4/35	86	10/38	58	
August	71.6	85.0	100.5	85.7	102.1	69.8	114	10/30	90	10/28	87	7/36	59	
September	65.1	78.6	95.4	79.7	96.5	63.2	113	3/35	77	30/38	80	4/29 2/45	48	
October	57.8	67.9	83.9	69.9	85.6	54.5	100	4/28, 9/40 5/48	63	30/45 28/46	73	4/28	33	
November	45.5	55.0	70.1	56.9	71.5	45.3	95	2/32	45	20/52	66	1/38	23	
December	39.5	43.0	57.7	46.7	58.2	36.8	76	15/40 7/52	37	14,28,31/36	59	20/33	16	
Year	54.3	64.1	78.8	65.7	80.1	51.7	115	21,22/7/40	32	4/1/42	87	7/8/36	6	
No. of years	19	22	22	22	22	22	22		22		22		22	

MONTH	Mean Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Relative Humidity (Per Cent) G. M. T. 03	06	12	Mean	Mean Vapour Pressure (Millibars) G. M. T. 03	06	12	Mean	Mean Low Cloud Amou (Oktas) G. M. T. 03	06	12
January	1021.1	1201.8	1017.7	1020.2	83	78	46	69	6.2	6.5	6.5	6.4	1.7	1 9	1.8
February	1018.4	1018.8	1014.8	1017.3	78	69	39	62	6.4	6.7	6.3	6.5	1.5	1.6	2.7
March	1016.8	1061.9	1013.1	1015.6	67	51	31	50	6.6	7.0	6.5	6.7	1.3	1.4	2.4
April	1014.6	1014.1	1010.4	1013.0	58	44	25	42	7.8	8.5	7.2	7.8	1.0	1.0	2.2
May	1012.2	1011.1	1007.9	1010 4	50	37	20	36	9.1	10.3	8.3	9.1	0.8	0.6	1.7
June	1008.8	1008.4	1003.9	1007.0	39	30	16	28	9.1	10.6	8.6	9.4	0.1	0.0	0.4
July	1004.5	1003.4	1000.1	1002.7	42	28	14	28	11.1	11.7	9.2	10.7	0.1	0 0	0.2
August	1007.7	1005.1	1001.5	1004.8	37	30	15	27	10.9	12.4	10.1	11.1	0.1	0.1	0.3
September	1011.2	1010.2	1006.5	1009.3	41	33	17	30	9.3	12.4	9.7	10.5	0.2	0.2	0.5
October	1016.8	1016.4	1012.3	1015.2	44	39	23	35	7.9	9.2	9.0	8 7	0.6	0.6	1.1
November	1019.8	1019.7	1015.8	1018.4	67	57	36	53	7.9	8.5	8.8	8.4	1.0	1.3	1.7
December	1021.9	1022.3	1010.5	1020.9	80	77	47	68	7.0	7.3	7.5	7.3	1.4	1.9	2.3
Year	1014.5	1014.0	1010.2	1012.9	57	48	27	44	8.3	9.3	8.1	8.6	0.8	0.9	1.4
No. of years	19	22	22	22	19	22	22	22	19	22	22	22	14	17	17

RUTBA 1928-1952 **HEIGHT ABOVE M.S.L. 615.5 m.**

WIND—Average Frequency from Specified Directions

0300 G. M. T.									0600 G. M. T.										1200 G. M. T.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
0.7	1.3	1.5	3.0	8.1	3.8	1.6	10.6	5.6	0.9	0.6	1.6	1.6	3.0	10.1	5.3	2.4	5.6	6.7	2.1	1.4	2.9	3.2	3.5	3.5	6.3	5.3	2.9	9.4
0.4	1.4	1.4	3.3	7.1	3.5	1.8	8.6	6.4	0.6	0.4	1.0	1.8	3.1	8.8	6.0	2.0	4.5	7.8	2.5	1.0	1.5	3.0	3.3	3.8	7.0	4.0	2.0	10.7
0.6	1.3	1.0	3.6	6.7	4.9	2.4	9.9	5.6	1.3	0.6	1.7	2.0	3.4	6.5	7.2	3.4	5.0	8.1	2.5	1.3	1.8	3.1	3.3	3.7	7.9	5.2	2.2	10.2
0.8	1.2	1.4	2.8	5.2	6.0	1.4	106	4.6	2.1	1.6	2.4	2.8	2.8	3.7	6.5	4.2	3.9	7.6	2.5	0.8	1.5	3.0	2.9	4.5	8.1	4.6	1.8	9.3
0.9	0.6	0.4	2.6	4.4	6.5	4.4	98	3.7	4.7	2.4	2.0	1.3	1.9	2.5	6.4	6.0	4.0	6.5	3.9	1.2	1.5	2.2	2.3	4.9	8.5	5.2	2.2	8.6
0.0	0.1	0.0	1.4	3.6	10.3	6.0	7.6	5.4	6.4	1.0	0.5	0.5	0.5	0.7	6.9	11.3	2.3	7.7	2.0	0.4	0.5	0.4	1.4	4.9	11.4	7.9	1.1	9.1
0.0	0.0	0.0	0.7	3.8	13.4	8.8	3.4	7.6	4.1	0.5	0.1	0.0	0.0	0.5	9.9	14.5	1.4	8.7	2.5	0.3	0.5	0.3	1.3	3.6	13.3	8.7	0.5	19.9
0.1	0.0	0.2	1.4	4.3	10.6	5.5	8.0	5.2	5.5	1.7	0.4	0.1	0.4	0.8	8.0	11.8	2.4	7.2	3.1	1.0	0.5	1.1	1.5	4.1	11.0	6.4	2.3	7.9
0.0	0.1	0.5	1.9	4.8	5.3	3.0	13.4	3.0	4.6	1.9	1.0	0.6	1.4	3.0	5.8	5.9	5.9	5.0	2.6	1.1	1.6	1.6	2.5	4.0	8.0	5.2	3.1	7.1
0.6	1.2	0.6	3.7	6.3	3.9	15	12.2	3.5	2.7	1.2	1.9	1.2	2.4	7.2	5.3	3.0	6.1	5.1	3.1	2.0	3.6	2.6	3.1	3.2	6.3	4.6	2.4	7.3
0.6	0.8	1.0	3.8	6.6	4.1	1.4	13.2	4.1	1.1	1.0	2.0	1.2	3.0	10.1	4.4	1.6	5.7	5.1	3.1	2.4	3.9	3.5	2.9	3.0	4.8	3.5	3.1	7.2
0.7	1.0	0.9	4.0	6.8	3.6	1.1	12.3	4.3	1.1	0.7	1.7	1.3	3.5	9.8	5.3	1.4	6.3	5.2	2.6	1.8	3.6	4.1	3.1	2.8	5.3	3.4	4.0	7.2
5.4	9.0	8.9	32.2	67.7	79.9	39.9	119.6	4.9	35.1	13.6	16.3	14.4	25.4	63.7	77.0	67.5	53.1	6.7	32.5	14.7	23.4	28.1	31.1	46.0	97.9	64.0	27.6	8.7
19	19	19	19	19	19	19	19	14	22	22	22	22	22	22	22	22	22	17	22	22	22	22	22	22	22	22	22	17

Moan Total Cloud Amount (Oktas)				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	12					1.0	10.0									6	8
0.5	3.1	3.7	3.1	16.1	19.7	12/33	3.1	0.3	4.8	0.2	0.0	0.3	1.6	0.9	11.3	4.3	2.8	0.4
2.5	3.1	3.9	3.2	16.0	32.0	14/30	2.9	0.4	4.3	0.1	0.0	0.4	0.6	0.4	9.9	3.6	3.0	0.4
2.1	2.7	3.7	2.8	14.6	17.8	4/44	2.7	0.4	4.6	0.0	0.3	1.0	0.2	0.5	12.5	3.5	3.0	0.2
1.9	2.3	3.5	2.6	16.6	43.7	10/46	2.7	0.4	4.0	0.0	0.4	2.5	0.0	0.7	13.1	2.5	2.8	0.1
1.9	2.5	3.3	2.6	8.1	23.7	3/46	1.3	0.1	2.8	0.0	0.2	1.9	0.1	1.0	14.8	2.3	1.3	0.2
0.2	0.2	0.7	0.4	0.2	0.3	3/34	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	27.8	0.1	0.9	0.0
0.3	0.2	0.3	0.3	tr	tr	3,9,11/38 4/44,9/50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	29.2	0.1	0.9	0.2
0.3	0.3	0.5	0.4	tr	tr	12,13,14,27/36 10,11/52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	29.0	0.2	0.5	0.0
0.5	0.5	0.8	0.6	0.2	4.1	22/30	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.2	28.0	0.2	0.3	0.0
1.5	1.8	2.4	1.9	5.1	30.1	27/37	0.9	0.2	1.3	0.0	0.0	0.9	0.0	0.8	19.6	1.4	0.6	0.0
2.3	3.0	3.6	3.0	9.6	25.2	24/37	0.2	0.3	3.7	0.0	0.0	0.8	0.4	0.3	11.1	3.0	0.8	0.0
2.7	3.6	4.1	3.5	23.3	45.7	26/35	3.2	0.7	4.6	0.0	0.1	0.7	1.6	0.1	10.5	5.5	1.2	0.1
1.6	1.9	2.5	2.0	109.8	45.7	26/12/35	18.8	2.8	30.3	0.3	1.0	8.6	4.5	5.6	216.8	26.7	18.1	1.6
19	22	22	22	22	22		22	22	22	22	22	22	22	22	22	22	17	17

SHAIBA 1923-1947–1952 LATITUDE 30° 25′ N LONGITUDE 47° 39′ E

TEMPERATURE (Fahrenheit)

MONTH	Mean G. M. T. 02	06	13	Mean	Mean Max.	Mean Min.	Highest Max.	Date.	Lowest Mox	Date,	Highest Min.	Dtae.	Lowest Min.	Date
January	45.1	49.1	61.6	52.0	62.5	42.6	81	1/24 3/44	41	6/42	63	11/29	21	27/25,7/42
February	48.0	55.7	66.2	56.3	67.7	46.6	87	28/41	43	7/50	65	21/40	23	10/32
March	54.6	61.6	74.6	63.6	77.0	53.0	102	21/25	49	1/38	73	15/44	29	4/2
April	64.1	76.7	86.2	75.7	88.5	61.9	111	29/38	63	1/49	83	22/42	44	9/23
May	74.5	89.0	97.6	87.0	100.2	72.8	115	28/24,26/10 24/46	77	9/50	87	31/45	56	5/4
June	78.8	94.7	104.7	92.7	107.0	77.1	121	6/27	93	1/33	90	26/28,26/42	64	7/3
July	82.8	97.5	108.6	96.3	110.7	81.4	122	5/48	91	25/24	93	25/37	70	2/2
August	82.5	9.63	110.0	96.3	112.0	80.3	125	8/37	97	18/23	92	2/38	70	17,21,26/2 21/3 24/3
September	75.7	90.6	104.7	90.3	106.8	73.0	118	4/35, 3/45	87	19/32	90	11/38,8/51	58	26/3
October	66.9	79.5	93.9	80.1	95.8	64.5	112	1/51	67	31/25	84	23,4/50	47	31/2 15/4
November	57.2	65.4	78.4	67.0	80.2	54.9	100	1/32	55	16/52	73	4/37	32	24/3
December	48.2	51.9	64.9	55.0	66.6	45.7	88	23/33	40	28/24	66	1/35,9/48	19	26/3
Year	64.9	75.6	87.6	76.0	89.6	62.8	125	8/8/37	40	28/12/24	93	25/7/37	19	26/12/
No. of years	22—24	22—24	22—24	22—24	29—30	29—30	29—30		29—30		29—30		29—30	

MONTH	Mean Pressure Millibars G. M. T. 03	06	12	Mean	Meau Relative Humidity Per Cent G. M. T. 08	06	12	Mean	Mean Vapour Pressure Millibars G. M. T. 03	06	12	Mean	Mean Low Cloud Amount (Oktas) G. M. T. 03	06	12	Mea
January	1018.7	1020.3	1017.8	1018.9	87	80	53	73	9.2	9.6	9.9	9.6	1.2	1.8	1.7	
February	1016.3	1017.8	1015.5	1016.5	85	74	45	68	10.2	10.8	9.7	10.2	1.0	1.5	1.4	
March	1013.8	1015.5	1013.8	1014.4	76	58	36	57	11.2	11.7	10.1	11.0	1.0	1.0	1.4	
April	1010.9	1012.3	1010.0	1011.1	65	44	28	46	13.4	13.3	11.5	12.7	1.1	0.9	1.3	
May	1005.7	100.81	1006.3	1006.7	56	32	21	36	15.3	14.6	12.3	14.1	0.6	0.5	0.7	
June	1000.8	1001.8	1000.4	1001.0	44	25	17	29	14.6	14.0	12.5	13.7	0.0	0.0	0.6	
July	996.8	997.9	996.5	997.1	35	23	15	24	13.4	13.5	13.0	13.3	0.0	0.0	0.8	
August	998.8	999.9	998.1	998.9	38	23	14	26	14.5	13.8	12.6	13.6	0.0	0.0	0.6	
September	1004.9	1005.8	1004.5	1005.1	44	27	16	29	12.5	13.2	11.6	12.4	0.1	0.0	0.2	
October	1012.0	1013.7	1012.0	1012.6	53	36	21	37	12.0	12.1	11.1	11.7	0.2	0.3	0.5	
November	1016.6	1017.7	1015.6	1016.6	75	60	39	58	11.9	12.7	12.3	12.3	0.8	1.0	1.2	
December	1019.2	1020.8	1018.4	1019.5	87	78	54	73	10.3	11.1	12.3	11.2	1.1	1.3	1.2	
Year	1009.6	1011.0	1009.9	1009.9	62	47	30	46	12.4	12.9	11.6	11.2	0.6	0.7	1.0	
No. of years	22—23	23—24	23 24	23—24	22—23	23—24	23—24	23-24	22—23	23—24	23—24	23—24	14	14	14	

SHAIBAH 1923-1947-1952 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.									
N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
1,5	1,5	3,1	3,3	1,1	2,0	10,6	5,0	2,9	6,0	1,1	0,6	2,5	3,6	2,0	1,7	11,0	6,4	2,1	7,5	3,8	1,0	2,3	4,8	1,1	0,3	2,6	13,9	1,2	10,1
2,0	1,0	2,8	3,1	2,3	2,1	7,7	3,3	3,9	5,0	1,2	1,1	2,3	4,0	2,0	1,8	8,3	4,9	2,7	6,8	4,2	2,8	0,6	4,4	1,8	0,6	1,8	10,5	1,6	9,7
2,0	1,5	3,0	3,4	2,6	2,9	7,4	3,8	4,4	5,5	2,3	1,0	2,2	5,2	2,9	1,1	6,7	7,1	2,5	8,6	6,6	1,0	2,3	5,4	1,4	0,4	1,1	11,5	1,3	10,8
1,9	0,8	2,4	3,4	2,8	2,9	7 2	4,2	4,4	4,8	3,1	1,4	2,2	3,8	3,4	1,9	4,3	8,2	1,7	8,7	7,7	1,1	2,6	4,5	1,0	0,3	1,5	9,7	1,6	11,3
2,6	1,1	0,9	1,3	2,2	3,6	8,2	6,0	5,1	5,2	5,2	2,1	1,0	1,5	2,2	1,5	3,1	12,6	1,8	9,3	11,7	1,2	1,5	2,2	0,5	0,6	0,6	12,2	0,5	11,5
1,8	0,2	0,2	0,2	0,5	2,6	12,0	9,6	2,9	6,9	4,0	0,3	0,3	0,3	0,3	1,1	4,4	18,5	0,8	11,3	8,3	0,4	0,3	0,4	0,0	0,0	0,6	19,1	0,9	15,4
0,9	0,1	0,3	0,5	0,4	9,5	16,5	8,0	1,9	6,8	2,3	0,1	0,1	0,5	0,2	0,3	5,8	20,5	1,2	12,3	8,2	0,1	0,3	0,4	0,0	0,1	1,0	20,2	0,7	15,3
1,8	0,1	0,6	0,8	1,4	3,4	14,8	6,3	1,7	6,3	2,0	0,2	0,6	0,9	0,7	1,0	7,1	17,4	1,0	10,4	8,9	0,3	0,8	1,1	0,2	0,3	0,9	18,2	0,3	13,6
0,8	0,5	0,7	0,9	1,6	3,8	12,7	5,9	2,7	5,6	2,1	0,5	0,5	0,9	1,8	1,7	8,3	13,0	1,1	8,9	8,7	0,8	1,2	1,0	0,2	0,1	0,9	16,3	0,5	10,5
1,5	0,9	1,1	2,1	3,3	4,0	10,0	5,4	2,7	5,7	2,6	0,6	1,3	1,8	2,5	2,6	8,0	9,6	2,0	7,8	7,1	1,4	1,9	2,7	0 9	0,5	1,2	14,2	1,1	10,4
1,2	1,4	2,3	2,7	2,0	2,4	9,0	5,2	3,8	5,1	1,8	1,1	2,3	3,1	1,9	2,1	8,2	7,7	1,8	7,0	4,6	1,6	2,8	4,4	1,0	0,5	1,6	12,2	1,3	8,7
1,5	2,0	2,5	2,5	1,3	18	10,3	6,0	3,1	5,2	1,1	0,6	2,8	3,2	1,4	1,3	11,3	6,6	2,7	6,8	3,8	1,2	2,7	4,3	0,8	0,5	2,8	13,4	1,5	8,5
19,5	11,1	19,9	24,2	21,5	340	126,4	69,2	39,5	5,7	28,8	9,6	18,1	28,8	21,3	18,1	86,5	132,5	21,4	8,8	83,6	12,9	19,3	35,6	8,9	4,2	16,6	171,4	13,8	11,3
18	18	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

Mean Total Cloud Amount (Oktas)				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	
03	06	12					1,0	10,0									6	8
1,9	3,6	3,5	3,0	25,1	55,5	16/29	4,2	0,9	6.1	0,1	0,1	1,0	1,3	0,6	12,5	9.5	2,2	1,
0,2	29	3,1	2,7	24.5	35,6	12/33	3.4	0,5	4.8	0,0	0,0	1,6	0.6	1,0	13,5	3,9	2,0	1,
2,2	2,7	3,3	2,7	14,3	27,3	13/46	2,7	0,2	4.0	0,0	0.2	2,0	0.2	1,4	13,8	3,7	3,7	1,
0,7	2,8	3,9	2,8	12.0	28,4	1/38	2,2	0,4	3,0	0.0	0,2	2,7	0.1	1,7	13.7	4,6	2,9	0,
2.2	2,0	2,3	2,2	6.3	27,0	15/45	1,0	0,1	1.2	0,0	0,1	1,5	0.0	2,2	17,1	3,2	1,1	0,
0,2	0.1	0,8	0,4	tr.	tr,	1/45	0,0	0,0	0.0	0,0	0,0	0,0	0.0	4,1	27,2	0,0	3 1	0,
0,7	0.5	1,2	0,8	0,2	4,7	3/45	0,0	0,0	0.0	0,0	0,0	0,0	0.0	5,6	26,3	0.2	2,7	0,
0.6	0.5	1,0	0,7	0,7	1.6	13/36	0.1	0,0	0.1	0,0	0,0	0,0	0.0	3.4	27,1	0,1	2,2	0,
0,3	0.2	0,6	0,4	tr.	tr.	10,19/38 27,28/42 12/46 14/52	0,0	0,0	0.0	0,0	0.0	0,0	0.1	1,6	28,2	0,0	1.1	0,
1,0	1.2	1,7	1,3	1,5	162	31/45	0,3	0,1	0.4	0,0	0,1	0,5	0.4	0,9	23,5	1,0	0,1	0,
2,2	3.0	3,2	2,8	25.8	46.3	26/26	2,2	0,8	3.4	0,0	0,1	0,6	1,0	0.5	14,2	3,8	0,4	0,
2,6	3.6	3,7	3,3	25,8	40.3	17/48	3,2	0,8	4.9	0,0	0,1	1,2	1.6	0,3	11,8	5,0	0,5	0,
1,6	1.9	2,3	1,9	136.2	55.5	16/1/29	10,3	3,8	27.9	0,1	0,9	11,1	5,3	23,3	228,9	31,4	22,3	4,
1,8	18	18	18	29—30	29—30		29-30	29-30	29-30	29-30	29-30	29-30	29-30	29-30	29-30	29-30	29-30	29-3

SULMAN 1939–1943 LATITUDE 30° 28′ N LONGITUDE 44° 48′ 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	7/4
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	11/4
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	18/4
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	16/4
May	70,8	85,7	96,7	84.4	97.7	65.7	110	26–40	85	4/40	78	25/40	53	5/4
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	9/4 1,2/4
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	21/4
August	79,8	97,1	108,9	95.3	111.1	72.7	117	9/40 13/42	100	26/41	84	6/42	59	23/8 26/4 9,15,,16,17,31/4 17,24/4
September	72,7	88,3	103.4	88.1	104.0	69.3	114	2/43	93	28/41	83	5/41	59	
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	4,5/4
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	30/3
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	27/3
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	7/1/
No. of years	3	3	3	3	3	3	3		3		3		3	

MONTH	Mean Pressure Millibars G. M. T. 02	06	13	Mean	Meau 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 (Oktas) G. M. T. 02	06	13	Mean
January	1019,0	1019,0	1017,7	1018,6	65	57	37	53	6,4	6,8	7,4	6,9	0,4	0,3	0,3	(
February	1017,3	1017,6	1015,7	1016,9	68	59	37	55	7.6	8,1	7,6	7,8	0,3	0,3	0.6	(
March	1015,1	1015,3	1014,1	1014.8	62	54	37	51	8,3	9,3	10,3	9,3	0.4	0,6	0,6	(
April	1013,3	1013.4	1011,4	1012,7	52	41	30	41	9,4	10,5	12,1	10,7	1,2	0,7	1.0	1
May	1009,9	1009.9	1009.7	1009.8	40	29	23	31	10,7	11,5	11.7	11,3	0,6	0,2	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	999,3	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	0,6	0,4	0,2	(
November	1017,8	1018.7	1015,9	1017,5	65	53	41	53	10,5	10,5	13,4	11,5	0,2	0,2	0.7	(
December	1021,2	1021,3	1019.3	1020,6	66	61	51	59	6,9	7,4	7.9	7,4	1,0	1,1	1,4	
Year	1011,3	1012,1	1010,4	1011,4	51	42	31	41	8,6	10,1	10,6	9,8	0,4	0.3	0,4	
No. of years	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

SULMAN 1939-1943 **HEIGHT ABOVE M.S.L. 201. 8 m.**

WIND—Average Frequency from Specified Directions

0200 G. M. T										0600 G. M. T.										1300 G. M. T.									
NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK	N	NE	E	SE	S	SW	W	NW	C	VK
1.0	1,7	3,3	2.0	0.7	5.3	3.7	10,0	7.3	3,3	1.3	2.7	1.7	2.0	2.0	7.0	2.7	8.3	7.0	7.4	3.0	3 0	3.3	2,0	0.0	4 0	6,0	2.3	10,7
2,0	2.0	3,0	3.0	2.3	1.3	3.7	8.1	5.7	4.7	1.7	2.0	2,3	2.3	2.0	3.3	4.3	5.4	8.0	5.7	3.3	4.0	1.0	1.7	1,3	4.7	5,3	1,0	11.7
3.0	4,0	1.7	2.3	1,7	3,0	8.0	5.0	8.0	3.0	3.0	2,3	2.3	4,4	2,5	5.3	5,5	2,7	10.3	2.3	1.7	6,0	1.7	1,0	1.7	5.3	10.3	1,0	10.7
2 8	1.3	0.8	2,8	1,0	1.2	3.8	13,0	4.7	2,8	3.5	1,0	2,3	3.5	1,7	1.0	4,0	10,2	6,7	4.7	3.4	2,7	1.5	2,3	0,8	2,2	6.2	6.2	7.8
4,5	1,0	0,5	1.5	2,0	2,0	6,0	11.5	3.5	5.0	2.5	2.0	2.5	0,5	1.0	3.0	9,5	5.0	7.5	5.0	3.0	1.0	2.0	1.5	0.0	3,5	13,0	2.0	10,0
1.5	2.0	1.0	0,0	0.0	3.5	9.5	8.5	6.0	10,0	2,5	1.0	0,1	4,0	0.5	0,5	11.5	2,0	10.5	9.5	2.0	0.0	0.0	0,0	0.5	2.0	15.0	1.0	11,5
0,2	0.0	0,0	0.0	0.1	7,3	10.6	10,0	6,4	9,0	1,6	0.0	0.0	0,2	0,3	2.4	11 7	5.8	9.0	5.6	1.2	0.0	0.0	0.0	0,8	4 6	13,2	5.6	10,3
1,9	1.5	0,2	0.1	0 9	2,0	5.2	10 7	5.0	9,7	3.5	0,0	0,0	0.3	0.0	1.5	10.1	5.9	0.8	8.0	5.5	1.9	0.2	0,0	0,5	2.3	10,6	2,0	10.5
1.6	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	4.0	8.2	5.7	1.1	0.2	0,0	0.5	2,5	4,8	7.0	6.3
1,3	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	3,0	7,5	4.8	2.2	2.0	2.2	0.5	2.8	3.0	6,0	6.7
2,5	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	4.0	8.0	6.5	3.3	0.5	1,3	0,7	1.7	3.0	5,0	6,7
0,8	0,2	1,7	1.5	0,2	1.5	3,0	15.3	3.2	2.8	2,5	1.7	1 4	3.0	0.8	2 8	3.5	12,5	3.8	7.8	4.8	3.2	1.7	3.3	0,0	1.7	2·8	5.7	6.3
28.1	15,9	14,5	17.1	10,5	31.5	61.8	144.8	4,9	63,3	28,1	16.6	15.6	22,6	14,3	32.2	73.3	99.0	6.0	79.7	44.9	28,4	14.1	15,3	7,3	37.3	93.2	44,8	9.0
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	3

Mean Total Cloud Amount (Oktas)				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	Cloudly	Wind Force Not less than	
02	06	13					1,0	10.0									6	8
2,1	2,2	2,2	2,2	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
2,0	2,1	2,6	2,2	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
2,1	2,5	2,6	2,4	3,4	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
2,8	2,3	2,8	2,6	17,9	16,5	23/40	2,5	0,7	2,7	0,0	0.3	0,3	0.0	1,3	7,3	1,3	2,7	0,0
2,8	2,0	2,0	2,1	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	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	0,0	31,0	0,0	3,4	0, 2
0,1	0,1	0,2	0,1	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	0,0	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
1,6	1,7	1,7	1,7	5,7	10,0	28/43	0,8	0,3	0,8	0,0	0,0	0,0	0,0	0,2	15,5	2,0	1,3	0,0
1,5	2,2	2,2	2,0	0,3	0,5	11,92/39	0,0	0,0	0,5	0,0	0,0	0,0	0,0	0,0	14,0	1,0	1,7	0,3
2,6	3,2	3,2	3,1	14,7	12,0	28/42	2,2	1,0	2,2	0,0	0,0	0,0	0,2	0,2	21,0	3,5	0,7	0,2
1,4	1,5	1,7	1,6	56,4	16,5	23/4/40	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	3