

SMITHSONIAN MISCELLANEOUS COLLECTIONS

VOLUME 105 (WHOLE VOLUME)

# WORLD WEATHER RECORDS

1931-1940

(CONTINUED FROM VOLUMES 79 AND 90)

PREPARED IN COOPERATION WITH THE VARIOUS  
OFFICIAL WEATHER SERVICES AND OBSERVATORIES  
OF THE WORLD

ASSEMBLED AND ARRANGED FOR PUBLICATION

BY

H. HELM CLAYTON

AND

FRANCES L. CLAYTON

PUBLISHED UNDER GRANT FROM JOHN A. ROEBLING



(PUBLICATION 3803)

CITY OF WASHINGTON

PUBLISHED BY THE SMITHSONIAN INSTITUTION

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## PREFACE

This collection of data is published in response to the need expressed by the resolution passed by the International Meteorological Conference in session at Utrecht in September 1923.

Most of the weather services of the world responded promptly to the request for data and filled in and averaged the data on the forms sent them, except in central Europe, where the outbreak of war interfered. For most of the countries of Europe, however, it was possible to extract the data in part up to 1937 from official publications in the library of Harvard University and of the Blue Hill Observatory. We are also indebted to Irving I. Schell for collecting and supplying some of the missing data.

The preparation of pressure data read from the international weather maps at  $10^\circ$  intersections of the lines of latitude and longitude in the Northern Hemisphere was undertaken for this publication by Jean A. Gallenne and was near completion between the latitudes of  $20^\circ$  and  $70^\circ$ , when the United States Weather Bureau began the preparation of revised Northern Hemisphere weather maps from which the pressure was read at  $10^\circ$  intersections for each day between  $10^\circ$  N. and  $90^\circ$  N. and averaged by months. The Chief of the Weather Bureau has kindly allowed us to publish these monthly means in place of those prepared for us by Mr. Gallenne. However, the means for  $10^\circ$  N. and for  $80^\circ$  and  $90^\circ$  N. were derived from extrapolated isobars and hence can be regarded as only an approximation of the true values. Moreover, for these latitudes many days were missing, and for them no reliable estimates could be made.

In the additional data, the rainfall for the Caribbean area was furnished by the United Fruit Company.

The heights of the Rio de la Plata at Rosario were supplied by the Dirección General de Meteorología, Geofísica e Hidrología, in Buenos Aires.

The heights of lakes in Africa, Bolivia, and the United States, and the heights of the Nile River, were supplied by Sydney M. Wood, C. E., who obtained them from official sources.

As heretofore, meteorology is indebted to John A. Roebling for providing the means for publication of the results.

In 1935 the following letter was received from Dr. Hesselberg, president of the International Meteorological Committee:

MR. H. H. CLAYTON.

Dear Sir,

It is a great pleasure to me to notify you that the Conference of Directors of Meteorological Services at Warsaw has expressed—on the proposal of Sir George Simpson, President of the Commission for the Réseau Mondial of the International Meteorological Organisation—its appreciation for the work you have accomplished together with Mr. Roebing in preparing the edition of World Weather Records.

The Conference expressed its thanks to you in adopting the following Resolution:

“The Conference wishes to express its sense of obligation to Mr. H. H. Clayton and Mr. John A. Roebing for the publication of the valuable series of meteorological data contained in the two volumes of World Weather Records. These data have already been of great use to investigations of world climate and form a mine of information for future investigation.”

I am very happy to communicate this Resolution to you and to congratulate you with the success of your work.

Yours faithfully,

TH. HESSELBERG,

*President, International  
Meteorological Committee.*

## EDITORIAL NOTE

This volume is in continuation of the two previous volumes of World Weather Records published as volumes 79 and 90 of the Smithsonian Miscellaneous Collections. Volume 79 contained data from the earliest available observations up to 1920, volume 90 covered the period 1921-1930, and the present volume the period 1931-1940.

The data have been arranged alphabetically, first under the grand divisions of the earth as Africa, Asia, Australia, Europe, etc., then by countries or political divisions as Arabia, China, India, Iraq, etc. In the great oceans the subdivisions were made alphabetically by islands or island groups. In each country or island group, the stations were then arranged alphabetically, as Abilene, Albany, Bismarck, Charleston, etc. This system involved a somewhat different arrangement of the stations in Africa and the Indian Ocean in the present volume from that in previous volumes.

The grand divisions and the countries are given under their English names, but the names of the stations have been given as nearly as possible to accord with the spelling used in the countries where they are located, and the English equivalent is given in parentheses.

The units used are those in which the data were sent from each country. In the case of atmospheric pressure there are three units in use: inches, millimeters, and millibars. In temperature two units are used: Fahrenheit and Centigrade. In rainfall there are also two units: inches and millimeters. This great diversity is regrettable. It is hoped that at an early date there may be international agreement on uniform units.

At many of the stations the height of the barometer,  $H_b$ , was changed since the last reports. In most of these cases, where it was possible, the pressure was reduced to the old heights by constants which are given in the notes. In other cases the hours of observation were changed. In such cases no corrections were available.

The data from most of the countries has been checked by plotting the data from adjacent stations over each other and a few errors corrected by correspondence.

The totals of precipitation are understood to include all forms of condensed moisture: rain, snow, sleet, hail, etc. The snow, sleet, and hail are given their equivalents of water by melting, weighing, or estimating. In the Tropics, the precipitation is chiefly rainfall, in temperate latitudes it is rain and snow, and in polar latitudes chiefly snow.

For most of the stations averages of the series were computed by the compilers of the data. For others they were computed by the writer and his assistants.

The means of the monthly sea-level pressures at the intersections of  $10^{\circ}$  lines of latitude and longitude were computed by Miss M. I. Robinson and carefully checked. The data are classified by latitude beginning with the Pole and proceeding toward the Equator. At each latitude it is further classified by longitude beginning at  $180^{\circ}$  W. and proceeding eastward to  $170^{\circ}$  E. of Greenwich.

The various meteorological offices and individuals have been very helpful in notifying us of errors found in the printed data, and now revised editions of volumes 79 and 90 are in print with these errors corrected. It is hoped that this help in getting correct data will continue.

H. H. CLAYTON.



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## ABBREVIATIONS AND SYMBOLS

In the tables and notes the following abbreviations have been used:

- C. = Centigrade.
- F. = Fahrenheit.
- ft. = foot, feet.
- <sup>h</sup> = hour of observation, as 8<sup>h</sup>, 14<sup>h</sup>.
- H = height of ground above mean sea level.
- H<sub>b</sub> = height of barometer above mean sea level.
- H<sub>t</sub> = height of thermometer above mean sea level.
- h<sub>t</sub> = height of thermometer above ground.
- h<sub>r</sub> = height of rain gage above ground.
- in. = inch, inches.
- Lat. = latitude.
- Long. = longitude.
- <sup>m</sup> = minute, minutes.
- m. = meter, meters.
- mm. = millimeter, millimeters.
- mb. = millibar, millibars.
- T = trace of precipitation, or amount too small to measure.

PART I

PRESSURE, TEMPERATURE, AND PRECIPITATION AT SELECTED STATIONS,  
1931-1940

1. NOTES      2. DATA

ARRANGED ALPHABETICALLY BY GRAND DIVISIONS,  
BY COUNTRIES, AND BY STATIONS



1. NOTES  
AFRICA  
ALGIERS  
BOUZARÉAH

AUTHORITY.

Institut de Météorologie et de Physique du Globe de l'Algérie.

PRESSURE.

Observations were taken at 7<sup>h</sup>, 13<sup>h</sup>, and 18<sup>h</sup>. These were reduced to the true means of 24 hours by applying the following corrections:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
mm.	+0.1	+0.1	+0.1	+0.1	+0.1	0.0	0.0	0.0	+0.1	+0.1	+0.1	+0.1

TEMPERATURE.

Observations were taken at 7<sup>h</sup>, 13<sup>h</sup>, and 18<sup>h</sup>. These were reduced to the true means of 24 hours by applying the following corrections:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°C.	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3

ANGLO-EGYPTIAN SUDAN  
KHARTOUM

AUTHORITY.

Physical Department, Ministry of Public Works, L. J. Sutton,  
Director, Cairo, Egypt.

SITE.

The station was moved on January 17, 1933, from Gordon College to Stack Laboratory.

PRESSURE.

Altitude before January 17, 1933, 390 m.; since then, 385 m. All values are given for altitude 385 m., those for the period January 1, 1931, to January 16, 1933, having been adjusted by the addition of 0.4 mm.

*Instrument:* Before January 17, 1933, Fuess Portable No. 1630, index correction +0.2 mm.; from January 17, 1933, Kew No. 1706, index correction 0.0 mm.

*Hours:* Values are direct means of observations at 8<sup>h</sup>, 14<sup>h</sup>, and 20<sup>h</sup>.

## TEMPERATURE.

A new type of screen was installed when the station was moved to Stack Laboratory. The screen formerly used at Gordon College and the new screen were compared side by side at Stack Laboratory for 1 year. The differences of the monthly values of mean temperature in the two types of screen varied from 0.0 in winter to 0.2° C. in summer. No corrections for change of screen have therefore been applied.

Throughout 1933 observations were made simultaneously at Gordon College and Stack Laboratory. The site at Stack Laboratory was found to be warmer than that at Gordon College, when due allowance had been made for the types of screen, by the following amounts:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°C.	+0.6	+0.7	+0.7	+0.5	0.0	-0.1	-0.1	-0.2	-0.2	+0.2	+0.4	+0.6

These amounts have not been applied, but should be applied as from January 1933 with the signs changed, if the mean values published are to be treated as strictly comparable.

*Hours:* The values are the means of the observations at 8<sup>h</sup>, 14<sup>h</sup>, and 20<sup>h</sup>, and of the minimum temperature, reduced to true means by applying the corrections formerly used, namely:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°C.	+1.3	+1.1	+1.2	+1.1	+1.0	+1.1	+0.7	+0.9	+0.8	+0.9	+1.0	+1.2

## BECHUANALAND PROTECTORATE

## MAYALAPYE

## AUTHORITY.

A. H. Wallis, F. R. Met. Soc., Civil Service Club, Cape Town.

## EAST AFRICA

## ZANZIBAR (CHUKWANI)

## AUTHORITY.

British East African Meteorological Service, A. Walter, Director, Nairobi, Kenya.

## GENERAL NOTE.

A new meteorological observatory was opened at Chukwani Palace, some 7 miles from Zanzibar Town, in August 1930, the site being quite a good one near the sea. The old meteorological station in Zanzibar Town was at the top of a substantial old building in the center of the town, and the readings of the two, both as regards temperature and rain-



fall, are not strictly comparable. The station-level pressure at Chukwani is 0.4 mb. lower than at the site of the older station in the town. In order to obtain pressure at mean sea level, 2.4 mb. should be added to the station-level pressure.

Data of pressure and rainfall of the Town Station were furnished by the India Meteorological Office for the interval January 1931 to March 1932 and are published on the form headed Zanzibar (Town Station) which is a continuation of the data published in the previous volumes. The temperatures for the Town Station from 1921 to 1936 were obtained from other official sources. By comparison of the two sets of data, differences may be found for correcting one to the other.

The following smoothed values when added to the Chukwani mean temperatures bring them approximately to the mean temperature obtained at the Town Station (excepting November 1931):

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°C.	1.3	1.2	1.1	0.8	0.6	0.6	0.7	0.9	1.0	1.0	1.1	1.2
°F.	2.3	2.2	2.0	1.4	1.1	1.1	1.3	1.6	1.8	1.8	2.0	2.2

## EGYPT

### ALEXANDRIA (KÔM EL NADÛRA)

#### AUTHORITY.

Physical Department, Ministry of Public Works, Cairo, Egypt.

#### INSTRUMENTS.

*Barometer:* Fuess Portable No. 1439, index correction  $-0.1$  mm., was withdrawn in December 1934 and replaced by Fuess Portable No. 105625, index correction  $+0.2$  mm.

*Thermometers:* New screen installed August 1935. A comparison over 2 years was made between the two screens. The corrections for temperature so found to reduce these to the same bases were very small, and none are applied. The corrections to reduce the means of ( $8^h + 14^h + 20^h + \text{Min.}$ ) to mean of day are unaltered.

*Rain gage:* Withdrawn and replaced in August 1935 by a similar gage at a height of 1 m. above ground. Previous gage was 2 m. above ground.

## HELWAN

#### AUTHORITY.

Physical Department, Ministry of Public Works, Cairo, Egypt.

## BAROMETER.

Fuess Syphon No. 430 was withdrawn on November 5, 1925, and replaced by Fuess Syphon No. 432, index correction +0.20 mm.

## PRESSURE AND TEMPERATURE.

Methods of obtaining means of pressure and temperature, with corrections applied to reduce the latter to true means, remain unaltered.

## GAMBIA

## BATHURST

This station is replaced by Cape St. Mary, Gambia.

## CAPE ST. MARY

## AUTHORITY.

Meteorological Report, Department of Agriculture. This station is to replace Bathurst, Gambia, as published in World Weather Records, Smithsonian Misc. Coll., vol. 90.

## GOLD COAST

## ACCRA

## AUTHORITY.

Copied from data sent from the Meteorological Office, London.

## SITE.

Height of station changed January 1934 to 87.6 ft.

## KENYA

## NAIROBI (KABETE)

## AUTHORITY.

British East African Meteorological Service, Nairobi, Kenya.

## NOTE.

The meteorological observatory has a good exposure on gently rising ground about 5 miles to the northwest of Nairobi. Observations were commenced in November 1928, and the complete series is given herewith.

## MOZAMBIQUE

## LOURENÇO MARQUES

## AUTHORITY.

Observatório Campos Rodrigues, Lourenço Marques, Mozambique.

## NIGERIA

## CALABAR

## AUTHORITY.

Meteorological Office, Nigeria, Apapa Post Office, Mr. Gulliver,  
Civilian Meteorological Officer.

## LAGOS (1)

## AUTHORITY.

Same as for Calabar.

## LAGOS (2)

## AUTHORITY.

British West African Meteorological Service. Data copied from  
Meteorological Magazine, London.

## PRESSURE.

Hour of observations, 9<sup>h</sup> local mean time, changed to 9<sup>h</sup> Nigerian  
zone time, 1 hour fast on G.M.T., from July 1, 1933. [Edi-  
torial note: Owing to change in hours, the pressures given  
in Smithsonian Misc. Coll., vols. 79 and 90, and in the pres-  
ent volume are not entirely comparable without corrections.]

## RHODESIA (NORTHERN)

## LIVINGSTONE

## AUTHORITY.

Rhodesian Air Training Group, Meteorological Section, Salis-  
bury, Southern Rhodesia.

## ZOMBA

## AUTHORITY.

Rhodesian Air Training Group, Meteorological Section, Salis-  
bury, Southern Rhodesia.

## RHODESIA (SOUTHERN)

## BULAWAYO

## AUTHORITY.

Rhodesian Air Training Group, Meteorological Section, Salis-  
bury, Southern Rhodesia.

## PRESSURE.

The level of this station was changed in July 1936 to 4,393 ft.,  
and a correction of  $-1.2$  mb. is applied to correct the ob-  
served pressures to the old level of 4,426 ft.

## SALISBURY

## AUTHORITY.

Rhodesian Air Training Group, Meteorological Section, Salisbury, Southern Rhodesia.

## SITE.

Station moved in July 1936, new  $H_b = 4,831$  ft. Pressure reduced to old level of  $H_b = 4,890$  ft. by applying a correction of  $-2.0$  mb.

## SIERRA LEONE

## FREETOWN

## AUTHORITY.

Copied from printed data issued from the Meteorological Office, London.

## SITE.

Changed in 1936 to Lat.  $8^\circ 29' N.$ , Long.  $13^\circ 13' W.$ ,  $H = 180$  ft.

## PRECIPITATION.

Totals refer to the 24 hours beginning at 9<sup>h</sup>.

## SOUTH AFRICA

## ALIWAL (NORTH)

## AUTHORITY.

Meteorological Office, Department of Irrigation, T. Schumann, Chief Meteorologist, Pretoria, Union of South Africa.

## PRESSURE.

No data available.

## TEMPERATURE.

*Site:* January 1931 to February 1934 (private residence), Lat.  $30^\circ 42' S.$ , Long.  $26^\circ 43' E.$ ,  $H = 3,252$  ft.

## CAPE TOWN

## AUTHORITY.

Meteorological Office, Department of Irrigation, Pretoria, Union of South Africa.

## PRESSURE.

*Site:* Royal Observatory. All values are comparable with those published in previous volumes of World Weather Records.

## TEMPERATURE.

*Site:* As for pressure. The thermometers are exposed in a Stevenson screen, 4 ft. above the ground.

*Hours:* The maximum and minimum thermometers were read at 6 $\frac{1}{2}$ <sup>h</sup> G.M.T.

## PRECIPITATION.

*Site:* As for pressure.

## DURBAN

## AUTHORITY.

Meteorological Office, Department of Irrigation, Pretoria, Union of South Africa.

## PRESSURE.

*Site:* June 1912 to September 1939, Point Signal Station, Lat.  $29^{\circ} 52' S.$ , Long.  $31^{\circ} 3' E.$ ,  $H=50$  ft. The coordinates given in previous volumes of World Weather Records refer to the site previous to 1912. October 1939 to December 1940, Airport, Durban, Lat.  $29^{\circ} 51' S.$ , Long.  $31^{\circ} 3' E.$ ,  $H_b=42$  ft.

## TEMPERATURE.

*Site:* 1931 to December 1938, Point Signal Station (see under pressure); January 1939 to December 1940, Airport, Durban. The thermometers are exposed 4 ft. above the ground in a Stevenson screen.

*Hours:* The values from 1931 to December 1938 were corrected throughout as follows:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°F.	+0.6	+0.5	+0.5	+0.5	+0.7	+1.0	+1.1	+1.3	+1.3	+1.1	+1.0	+0.8

The values from January 1939 to December 1940 were corrected throughout as follows:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°F.	+2.2	+2.4	+2.5	+2.6	+2.8	+3.0	+3.1	+3.3	+3.2	+2.6	+2.3	+2.2

These corrections were arrived at from a coincident  $3\frac{1}{2}$ -year series of records at the Point and the Airport, taking into account also the first set of corrections. The values as given are therefore comparable with those appearing in former volumes of World Weather Records.

## PRECIPITATION.

*Site:* As for temperature. The height of the rim of the rain gage was 4 ft. throughout the period. No corrections have been made for change of site. In this connection it is necessary to point out that there is a close agreement between the precipitation at the Airport, Durban, and at the site previous to June 1912. Precipitation at the Point Signal Station (June 1912 to December 1938), however, is appreciably higher, and the following corrections to the values from June 1912 to December 1938 are therefore suggested:

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
-12%	-15%	-19%	-22%	-23%	-23%	-24%	-24%	-20%	-16%	-12%	-11%	-17%

These corrections have been arrived at by considering the records of two stations in the immediate vicinity of the old observatory site ( $H=262$  ft.) and the records of the Point Signal Station for an identical period of 25 years. The initial percentage corrections were smoothed.

## JOHANNESBURG

## AUTHORITY.

Meteorological Office, Department of Irrigation, Pretoria, Union of South Africa.

## PRESSURE.

*Site:* The observations were made at the Union Observatory; the height of the barometer cistern was 5,925 ft. above mean sea level throughout the period.

*Hours:* Observations were made at 6 $\frac{1}{2}$ <sup>h</sup> G.M.T. throughout the period.

*Notes:* All values are comparable with those in former volumes of World Weather Records.

## TEMPERATURE.

*Site:* As for pressure. The thermometers are housed in a Stevenson screen, 4 ft. above the ground.

*Hours:* The maximum and minimum thermometers were read at 6 $\frac{1}{2}$ <sup>h</sup> G.M.T.

## PRECIPITATION.

*Site:* The rain gage is situated in Joubert Park, 5,750 ft. above mean sea level. The rim of the gage is 4 ft. above the ground.

## KIMBERLEY

## AUTHORITY.

Meteorological Office, Department of Irrigation, Pretoria, Union of South Africa.

## PRESSURE.

*Site:* From June 1928 to 1940, Meteorological Observatory, Hull Street, Kimberley, Lat. 28° 44' S., Long. 24° 46' E.,  $H_b=3,996$  ft. above mean sea level. Before June 1928, at Kenilworth Observatory, Lat. 28° 42' S., Long. 24° 47' E.,  $H_b=3,944$  ft. above mean sea level. The values have been reduced to the height of 3,944 ft. in order to be comparable with the data in previous volumes of World Weather Records.

*Hours:* The observations were made at  $8\frac{1}{2}^{\text{h}}$  30th meridian E. time, and the values were reduced to  $\frac{1}{3}(8\frac{1}{2}^{\text{h}} + 14\frac{1}{2}^{\text{h}} + 20\frac{1}{2}^{\text{h}})$  in order to be comparable with previous volumes.

## TEMPERATURE.

*Site:* As for pressure. The thermometers are exposed 4 ft. above the ground in a large louvred screen.

*Hours:* The thermometers were read at  $8\frac{1}{2}^{\text{h}}$  30th meridian E. time.

## PRECIPITATION.

*Site:* As for pressure.

## O'OKIEP

## AUTHORITY.

Meteorological Office, Department of Irrigation, Pretoria, Union of South Africa.

## PRESSURE.

*Site:* The height of the barometer cistern above mean sea level was 3,060 ft. throughout the period. Values have been corrected to refer to a height of 3,035 ft.

*Hours:* The observations were made at  $6\frac{1}{2}^{\text{h}}$  G.M.T. throughout the period.

*Notes:* All values are comparable with those appearing in previous volumes of World Weather Records.

## TEMPERATURE.

*Site:* As for pressure. The thermometers are exposed 4 ft. above the ground in a Stevenson screen.

*Hours:* The maximum and minimum thermometers are read at  $6\frac{1}{2}^{\text{h}}$  G.M.T.

## PRECIPITATION.

*Site:* As for pressure. The rim of the rain gage is 4 ft. above the ground.

## PORT ELIZABETH

## AUTHORITY.

Meteorological Office, Department of Irrigation, Pretoria, Union of South Africa.

## PRESSURE.

*Site:* Hill Lighthouse. The cistern of the barometer was 181 ft. above mean sea level throughout the period.

*Hours:* Observations were made at  $6\frac{1}{2}^{\text{h}}$  G.M.T. throughout the period.

*Notes:* All values are comparable with data appearing in previous volumes of World Weather Records.

TEMPERATURE.

*Site:* As for pressure. The instruments are exposed 4 ft. above the ground in a Stevenson screen.

*Hours:* The maximum and minimum thermometers were read at 6½<sup>h</sup> G.M.T. throughout the period.

PRECIPITATION.

*Site:* As for pressure. The rim of the rain gage is 4 ft. above the ground.

TANGANYIKA

TABORA

AUTHORITY.

British East African Meteorological Service, Nairobi, Kenya.

SITE.

This station was opened in September 1930. The site of the observatory is on Kazeh Hill, and the exposure is good.

UGANDA

ENTEBBE

AUTHORITY.

British East African Meteorological Service, Nairobi, Kenya.

SITE.

The site is unchanged both in respect to rainfall and temperature observations, but its last surveyed height is 3,878 ft.

PRESSURE.

See note on Kampala (below).

TEMPERATURE.

Observations are no longer made at 7<sup>h</sup>, 14<sup>h</sup>, and 21<sup>h</sup>. The figures given are the mean of the daily maxima and minima. A comparison has been made between the mean of the maxima and minima, and of  $\frac{1}{4}(7^h + 14^h + 21^h + 21^h)$  over the period 1925-1930 inclusive, the following mean monthly differences being obtained:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
°C.	0.1	0.2	0.2	0.3	0.3	0.2	0.0	0.0	0.4	0.4	0.5	0.5	0.3

The mean of the daily extremes is the higher in each case.



## KAMPALA

## AUTHORITY.

British East African Meteorological Service, Nairobi, Kenya.

## SITE.

The meteorological observatory stands on Kololo Hill, Kampala, and has a good exposure. It was opened in January 1931.

## PRESSURE.

The mean of 24 hourly readings is within  $\pm 0.1$  mb. of the mean of the 7<sup>h</sup>, 14<sup>h</sup>, and 21<sup>h</sup> readings. The difference in pressure between the Kampala and Entebbe stations is  $13.1 \pm 0.1$  mb.

## ASIA

## ARABIA

## AUTHORITY.

India Meteorological Department, Poona, India.

## ADEN

## DATA.

The data for Aden have been included in the tables up to March 1937 only, as the control of this station was transferred to the Meteorological Office, London, from April 1, 1937.

## SITE.

There was a change in the site of the observatory to another site with nearly the same exposure on November 11, 1936. No corrections for this change were considered necessary, and none have been applied.

## MUSCAT

## SITE.

The site of the observatory was changed to Baitul-Falaj, about 5 miles away, from January 1, 1930. It continued there until July 1935, when it was again changed to the original site at Muscat. Hence data for Muscat have been given from August 1935 only. The data for 1930 given for Muscat on page 102 of World Weather Records, Smithsonian Misc. Coll., vol. 90, refer to Baitul-Falaj and hence should be deleted.

## PRECIPITATION.

The rain gage is on the roof of the Political Agency Building, which has a height of 34 ft.

## BURMA

See NOTES under India.

## AKYAB

## PRESSURE.

The data for 1931-1940 have been reduced to 20 ft.

## MANDALAY

## SITE.

The site of the Observatory was changed on June 29, 1934. Suitable corrections to temperature and rainfall data have been applied to make them correspond to the old site (see table I, p. 19).

## PRESSURE.

$H_b$  was changed from 250 ft. to 252 ft. on June 21, 1934. Pressure data refer to the later  $H_b$  of 252 ft.

## CEYLON

## AUTHORITY.

Colombo Observatory, Colombo.

## STATIONS.

Colombo, Hambantota, Nuwara Eliya, and Trincomalee.

## TRINCOMALEE

## SITE.

The barometer was shifted in July 1935 to a new site at 24 ft. above mean sea level. Subsequent readings have been corrected to 99 ft. by subtracting .075 in.

## CHINA

## FORT BAYARD

## AUTHORITY.

Service Météorologique, Hanoi, Tonkin, French Indo-China.

## PRESSURE.

$\frac{1}{4}$ (1st and 2d Max. + 1st and 2d Min.).

## TEMPERATURE.

Thermometer in an Eiffel shelter.

## HANKOW

## AUTHORITY.

Institute of Meteorology, Peipei, Szechuan, China.

## PRESSURE.

1931-1933, means of  $\frac{1}{8}(3^h + 6^h + 9^h + 12^h + 15^h + 18^h + 21^h + 24^h)$   
 120° E.M.T. 1934, Jan.-Feb., means of  $\frac{1}{3}(6^h + 15^h + 21^h)$   
 120° E.M.T. 1934, March-1938, April, means of  $\frac{1}{3}(6^h + 14^h + 21^h)$  120° E.M.T.

## TEMPERATURE.

The hours of observation were the same as those for pressure.

## HONG KONG

## AUTHORITY.

Royal Observatory, C. W. Jeffries, Director, Hong Kong.

## SITE.

No changes in height since preceding report.

## NANKING

## AUTHORITY.

Institute of Meteorology, Peipei, Szechuan, China.

## NOTE.

Observations discontinued since November 25, 1937.

## TIENTSIN

## AUTHORITY.

Institute of Meteorology, Peipei, Szechuan, China.

## PRESSURE.

No data were available from Tientsin.

## TEMPERATURE.

No data were available after the year 1935.

## PRECIPITATION.

No data were available after the year 1931.

## YUNNANFU

## AUTHORITY.

Service Météorologique, Hanoi, Tonkin, French Indo-China.

## NOTE.

International events made it impossible to publish the data after August 1940.

*Sea-level pressure:* In reduction to sea level the rate of decrease of temperature 0.5 cm. was assumed. The pressure correction was determined by that at Kunning a short distance away.

## ZI-KA-WEI (SHANGHAI)

## AUTHORITY.

Observatoire de Zi-Ka-Wei (Shanghai), China.

## INDIA

## AUTHORITY.

India Meteorological Department, Poona, India.

## GENERAL REMARKS.

Data correspond to previously published data in Smithsonian Misc. Coll., vols. 79 and 90. Whenever there were changes in site or exposure, the later data have invariably been reduced to the original site or exposure by applying corrections derived from comparative observations. Such corrections for temperature and rainfall are given in a separate table (table 1), page 19.

The values of latitude and longitude of many of the stations have been slightly changed owing to redetermination. The latest values are given in the tables printed in this volume.

The times of observations in the case of stations in Burma, viz., Akyab, Mandalay, Mergui, and Rangoon, are given in Burma Standard Time (B.S.T.) which is 1 hour in advance of Indian Standard Time (I.S.T.), as there is an independent meteorological service now for Burma.

At all the observatories of this department, the thermometers are kept  $4\frac{1}{4}$  to  $4\frac{1}{2}$  ft. above the ground, and the rim of the rain gage 1 ft. above the ground. The exceptions are noted in each case with the data.

## ALLAHABAD

## SITE.

The site of the observatory was changed on October 1, 1939. Exposures are different, and corrections to reduce temperature and rainfall data of the new site to the old site are not yet available. Hence data after the shift have been given without correcting. For the same reason the annual means for 1939 have not been given.

## PRESSURE.

Owing to the change of site, the  $H_b$  was changed from 309 ft. to 322 ft. on the date mentioned above. Pressure data from October 1939 to December 1940 have been reduced to the old  $H_b$  of 309 ft.

## BOMBAY (COLABA)

## PRESSURE.

The present data, 1931-1940, have been reduced to the old exposure. (See table 1, p. 19.)

## KALAT

## SITE.

During the decade 1931-1940,  $H_b$  was 6,495 ft. up to May 30, 1935; 6,494 ft. up to October 31, 1935; 6,617 ft. up to October 21, 1936; and 6,616 ft. thereafter. All pressure data have been corrected to 6,616 ft. There were no observations from May 31, 1935, to July 5, 1935. Also the site of the observatory was changed on November 1, 1935, and again on October 22, 1936. The exposures were different, and as no corrections to temperature or rainfall are available, the data have been given without corrections.

## PRESSURE.

The time of observation was changed from 7<sup>h</sup> L.M.T. to 8<sup>h</sup> L.M.T. from January 1, 1938. No corrections have been applied to the later data for the change in time. The following corrections for pressure were applied to reduce the 8<sup>h</sup> data to 7<sup>h</sup>:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
In.	-.018	-.015	-.016	-.013	-.009	-.010	-.009	-.012	-.013	-.015	-.015	-.018

## NAGPUR

## SITE.

The site of the observatory was changed on July 28, 1940, and  $H_b$  at the new site is 1,022 ft. Pressure and temperature data have been corrected suitably to correspond to the data of the previous site. No corrections for rainfall are considered necessary. (See table 1, p.19.)

## NEW DELHI

## SITE.

The site of the observatory was changed from Delhi to New Delhi on March 1, 1930; since then there were two other changes, one on February 26, 1932, and another on April 1, 1938. No corrections for all these changes in site are available, and none have therefore been applied to the temperature and rainfall data.

## PORT BLAIR

## SITE.

The site of the observatory was changed on January 1, 1939.  $H_b$  was also changed from 59 ft. to 261 ft. on that date.

## PRESSURE.

The pressure readings from January 1939 to December 1940 have been reduced to the old site.

## PRECIPITATION.

Rainfall data, however, refer to the old site where the rain gage has been kept going. (See table 1, p. 19.)

## QUETTA

## SITE.

$H_b$  was 5,405 ft. up to May 30, 1935. There were no observations from May 31, 1935, to November 23, 1935. The observatory was restarted on November 24, 1935, at a new site and  $H_b$  was 5,540 ft. from this date to August 10, 1939, and 5,490 ft. thereafter. All the pressure data have been reduced to 5,490 ft. which is the height for which the data up to 1930 have been published in the two preceding volumes of World Weather Records.

## REMARKS.

The time of observation was changed from 7<sup>h</sup> L.M.T. to 8<sup>h</sup> L.M.T. on January 1, 1938. The following corrections were applied to the pressure data to reduce the 8<sup>h</sup> L.M.T. data to 7<sup>h</sup> L.M.T. (Local Meridian Time) :

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
In.	-.018	-.015	-.016	-.013	-.009	-.010	-.009	-.012	-.013	-.015	-.015	-.018

The temperature data up to May 1935 have been reduced by suitable corrections, derived from comparative observations, to correspond to the previous site. No corrections are available, however, for the later changes of site. (See table 1, p. 19).

## SHILLONG

## SITE.

$H_b$  was changed from 4,920 ft. to 4,921 ft. on June 9, 1929. The pressure data from June 1929 to December 1930 published on page 132 of World Weather Records (Smithsonian Misc. Coll., vol. 90) require a correction of +.001. The present data for 1931-1940 have been reduced to 4,920 ft.

TABLE I

The following table gives the names of the stations for which there has been a change of site in the period 1928-1940, together with the dates of the change and the corrections for temperature derived from comparative observations. The corrections when added reduce the later observations to the original exposure. In the main tables the data for the period after the change have invariably been reduced to the previous exposure.

No corrections for rainfall were considered necessary except in the case of Mandalay, for which station corrections for rainfall are also given.

Station	Date of change of exposure	Temperature corrections											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Bangalore	July 1, 1936	+0.9	+0.8	+0.9	+0.8	+0.7	+0.6	+0.6	+0.6	+0.5	+0.5	+0.7	+0.9
Bombay (Colaba)	Feb. 9, 1928	+0.7	+0.7	+0.8	+0.9	+0.8	+0.6	+0.4	+0.4	+0.3	+0.3	-0.1	-0.1
Calcutta (Alipore)	Jan. 1, 1938	-0.2	0	0	-0.1	+0.1	-0.1	-0.2	-0.3	-0.5	-0.3	-0.2	-0.3
Jaipur	Aug. 4, 1933	+0.9	+1.3	+1.5	+1.5	+1.3	+1.0	+0.4	+0.3	+0.7	+0.7	+0.9	+0.9
Kodalkanal	Dec. 14, 1930	+0.9	+1.1	+1.5	+1.0	+0.7	+0.8	+0.9	+0.8	+0.9	+0.7	+0.3	+0.5
Lahore	Mar. 1, 1931	+0.5	+0.5	+1.1	+1.3	+1.5	+1.3	+0.9	+0.7	+0.5	+0.2	+0.1	+0.1
Madras	Apr. 1, 1932	-0.1	+0.2	+0.5	+0.5	+0.5	+0.6	+0.5	+0.5	+0.5	+0.2	+0.1	+0.1
Mandalay	June 29, 1934	+2.3	+2.0	+1.9	+1.1	+1.0	+1.0	+1.3	+1.1	+1.5	+2.0	+2.5	+2.9
Nagpur	July 28, 1940	-1.0	-1.2	-0.9	-0.9	-0.3	-0.5	-0.5	-0.5	-0.6	-0.6	-0.9	-1.3
Port Blair	Jan. 1, 1939	+2.6	+2.7	+3.4	+3.3	+2.6	+2.0	+1.9	+2.1	+2.3	+2.7	+2.9	+2.5
Quetta	Sept. 26, 1928	-0.4	-0.6	-0.5	-1.1	-2.2	-2.3	-1.9	-2.2	-2.3	-1.5	-0.5	-0.6
Simla	Apr. 1, 1928	-0.2	-0.7	-0.5	-0.5	-0.4	-0.4	-0.5	-0.9	-1.3	-0.9	-0.8	-0.1
Mandalay	June 29, 1934	0	-0.5	0	-0.12	+0.09	-0.75	+0.55	+0.53	+0.37	+0.44	-0.37	0
							Rainfall corrections						

## SIMLA

## SITE.

The thermometer and the rain gage are on the roof of the Central Telegraph Office. Height of roof is about 80 ft. above the ground. Height of the thermometer is  $4\frac{1}{4}$  ft. above the roof, and height of rain gage is  $4\frac{3}{4}$  ft. above the ground. (See table I, p. 19.)

## SYRIA

## BEIRUT

## AUTHORITY.

American University, J. A. Brown, Director, Observatory, Beirut.

## THAILAND

## BANGKOK

## AUTHORITY.

Section of Meteorology, Hydrographic Service, C. Bunnag, Sr. Lt. R.T.N., Bangkok.

## GENERAL NOTE.

Records from 1931 to 1936 of observations at Rangsit are given for Bangkok. This is because Bangkok started to make observations only in the year 1937. These two stations, however, are in such close proximity to one another that their variations are more or less the same. Since Bangkok Station started to operate, Rangsit's observations have been discontinued.

## UNION OF SOVIET SOCIALIST REPUBLICS (ASIA)

## AUTHORITY.

Official Weather Service, Union of Soviet Socialist Republics.

## TIME.

All the observations have been made with reference to local time.

## PRESSURE.

The values of pressure have been corrected to  $0^{\circ}$  C. ( $32^{\circ}$  F.) and gravity at  $45^{\circ}$  latitude.

The means of pressure from 1931 to 1935 have been computed in accordance with the observations made at  $7^h$ ,  $13^h$ , and  $21^h$  by applying the following formula:  $\frac{1}{3}(7^h + 13^h + 21^h)$ .



The means of pressure from 1936 to 1940 have been obtained from four daily observations by applying the formula  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ .

If it was possible, the pressure was reduced to the former height of the station indicated in Smithsonian Misc. Coll., vol. 90.

#### TEMPERATURE.

The means of temperature have been computed from daily observations made at 7<sup>h</sup>, 13<sup>h</sup>, and 21<sup>h</sup> by applying the formula  $\frac{1}{3}(7^h + 13^h + 21^h)$ . These means of temperature have been reduced to the true means of 24 hours. From 1936 to 1940 observations were made at 1<sup>h</sup>, 7<sup>h</sup>, 13<sup>h</sup>, and 19<sup>h</sup>. The means of temperature were obtained by applying the formula  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$  and were not reduced to the true means of 24 hours, except at some stations which are indicated in their proper places.

#### DICKSON

##### PRESSURE.

The means of pressure have been reduced to the former heights of 13 m. published in Smithsonian Misc. Coll., vol. 90, by using the correction of +0.7 mm. in the means at the new height of 20.3 m.

#### KIRENSK

##### TEMPERATURE AND PRECIPITATION.

The means of temperature and the amount of precipitation for the period from September to December 1940 have been recorded by a newly established station. Its position is Lat. 57° 47' N., Long. 108° 0' E., H<sub>b</sub>=270 m. (?)

#### KRASNOVODSK

##### PRESSURE.

The means of pressure have been reduced to their former height of -19.9 m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of +1.0 mm. in the means for the height of -9.6 m. from 1931 to 1932, and the correction of +1.2 mm. in the means for the height of -7.4 m. from 1933 to 1940.

#### MINUSINSK

##### STATION.

The station, the means of which were published in Smithsonian Misc. Coll., vols. 79 and 90, does not exist any longer. The

means of another station in the same place are given from 1931 to 1940. Its position is Lat.  $53^{\circ} 42' N.$ , Long.  $91^{\circ} 42' E.$ ,  $H=250.7$  m.

#### NIKOLAYEVSK ON AMUR

##### PRESSURE.

The means have been reduced to the former height of 42.2 m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $-0.4$  m. in the values at the new height of 37.9 m.

#### NOVO-MARIINSKY POST

##### PRESSURE.

The pressure in 1932 has been reduced to the former height of 23.0 m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $-0.5$  mm. in the means obtained at the new height of 17.8 m.

#### OLEKMINSK

##### PRESSURE.

In September 1931 the barometer was transferred to the height of 148.4 m. The pressure was reduced to the former height of 152 m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $+1.7$  mm. in the means of 1931 at the height of 169 m. and by introducing the correction of  $-0.4$  mm. in the means from 1935 to 1940 at the height of 148 m.

#### OMSK

##### STATION.

The meteorological station at Omsk (Lat.  $54^{\circ} 58' N.$ , Long.  $73^{\circ} 23' E.$ ,  $H=87.3$  m.), the means of which were published in Smithsonian Misc. Coll., vol. 79, stopped working in 1919. Its successor in Omsk is located at Lat.  $55^{\circ} 1' N.$ , Long.  $73^{\circ} 20' E.$ ,  $H=104.8$  m.

The observations at this station (Experimental Station in forest) for the period from 1931 to 1940 are given in this volume; and for the period 1921 to 1930 are given in the list of errata to vol. 90, Smithsonian Misc. Coll.

##### PRESSURE.

The means of pressure have been reduced to the height of 87.3 m. indicated in Smithsonian Misc. Coll., vol. 79, by introducing

the correction of  $+1.8$  mm. in the values of the new height of  $104.8$  m.

#### PETROPAVLOVSK (LIGHTHOUSE)

##### PRESSURE.

The barometer was transferred to the height of  $113$  m. in March 1939. The means of pressure have been reduced to the former height of  $87$  m. by introducing the correction of  $+2.6$  mm.

#### SURGUT

##### PRESSURE.

The means of pressure have been reduced to the same height of  $48$  m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $-0.8$  mm. in the values obtained at the height of  $397$  m. from 1931 to July 1939, and the correction of  $-0.5$  mm. in the means obtained at the height of  $43$  m. from August 1939 to 1940.

#### TCHITA

##### PRESSURE.

In 1931 the meteorological station was transferred. The means of pressure have been reduced to the height of  $683.2$  m. (see errata to vols. 79 and 90, Smithsonian Misc. Coll.) by introducing the correction of  $-1.9$  mm. in the values obtained at the height of  $664.6$  m.

#### TOBOLSK

##### PRESSURE.

The means obtained in 1940 have been reduced to the height of  $100$  m. by introducing the correction of  $+0.1$  mm. in the values obtained at the height of  $101.4$  m.

#### TOMSK

##### PRESSURE.

In April 1934 the meteorological station was transferred. The means of pressure have been reduced to the height of  $123.3$  m., indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $-0.2$  mm. in the values recorded at the height of  $121.6$  m. from 1931 to March 1934, and introducing the correction of  $+1.6$  mm. in the values recorded at the height of  $137.9$  m. from April 1934 to 1940.

## TURGAI

## PRESSURE.

In 1937 the barometer was placed at the height of 121 m. The means of pressure from 1937 to 1940 have been reduced to the former height of 124 m. by introducing the correction of  $-0.3$  mm.

## VLADIVOSTOK

## PRESSURE.

In September 1937 the barometer was placed at the height of 136 m. The means of pressure from 1938 to 1940 have been reduced to the former height of 128 m. by introducing the correction of  $+0.8$  mm.

## AUSTRALIA

## AUTHORITY.

Meteorological Bureau, Central Office, H. N. Warren, Director, Melbourne.

## HOURS OF OBSERVATION.

The pressure observations have always been taken at 9<sup>h</sup> and 15<sup>h</sup> local time, except at Darwin and Alice Springs from April 1, 1939, onward.

## ADELAIDE, SOUTH AUSTRALIA

## PRESSURE.

The pressure is measured by a Fortin-type mercurial barometer, which in June 1940 was moved to its present location, about 270 ft. due north of its former position. No change, however, was made in the height of the cistern.

## TEMPERATURE.

The exposure, position, and surroundings of the thermometer remain the same as in the decade 1921-1930.

## PRECIPITATION.

It is measured by a standard 8-inch gage whose position and surroundings remain the same as in the decade 1921-1930.

## ALICE SPRINGS, NORTHERN TERRITORY

## PRESSURE.

The present level of the barometer,  $H_b$ , is 1,901 ft. A correction of  $-0.027$  in. was applied to the pressure to reduce it to the old level of 1,926 ft. Pressure data prior to March 31, 1939,

are derived from  $\frac{1}{2}(0^{\text{h}} 6^{\text{m}} \text{ G.M.T.} + 6^{\text{h}} 6^{\text{m}} \text{ G.M.T.})$ , and thereafter from  $\frac{1}{2}(23^{\text{h}} \text{ G.M.T.} + 5^{\text{h}} \text{ G.M.T.})$ .

#### TEMPERATURE.

Thermometers are exposed in a Stevenson screen whose position was changed on February 2, 1932, to a position 2 miles distant from and 25 ft. lower than its previous location.

#### PRECIPITATION.

It is measured by a standard 8-inch gage whose position was also changed in 1932.

### BRISBANE, QUEENSLAND

#### PRESSURE.

It is measured by a Kew-type mercurial barometer which was moved temporarily on August 14, 1937 (height of cistern above mean sea level 125 ft.) to a position 100 yards east (height 74 ft.) and then finally on October 17, 1938, to a permanent position with height of cistern 134 ft. above mean sea level.

#### TEMPERATURE.

Thermometers are exposed in a Stevenson screen whose position remained the same as in the decade 1921-1930, although the adjacent Weather Bureau was rebuilt in 1937-1938 on the old site, the new building being much higher than the old.

#### PRECIPITATION.

It is measured by a standard 8-inch gage exposed temporarily from September 7, 1937, to October 17, 1938, at a height of about 85 ft. above mean sea level, which is approximately 50 ft. lower than its position at other times during the period 1921-1940.

### COOLGARDIE, WESTERN AUSTRALIA

#### AUTHORITY.

Meteorological Bureau, Melbourne. Data copied from Meteorological Magazine, London.

### DARWIN, NORTHERN TERRITORY

#### PRESSURE.

It is measured by a Kew mercurial barometer. Pressure data prior to March 31, 1939, are derived from  $\frac{1}{2}(0^{\text{h}} 17^{\text{m}} \text{ G.M.T.} + 6^{\text{h}} 17^{\text{m}} \text{ G.M.T.})$ , and thereafter from  $\frac{1}{2}(23^{\text{h}} \text{ G.M.T.} + 5^{\text{h}} \text{ G.M.T.})$ .

## TEMPERATURE.

Thermometers are exposed in a Stevenson screen.

## PRECIPITATION.

It has been found that the rain gage at Darwin Post Office gradually developed defects apparently between 1922 and 1928, which defects were undiscovered until February 1, 1940, when a new gage was issued. A comparison with rainfall recorded at another station in Darwin has led to the rainfall figures at the Post Office being increased by 20 percent. Such adjusted figures are here published for the decade 1931-1940, and the figures given in Smithsonian Misc. Coll., vol. 90, for the period January 1927 to December 1930 should be increased by 20 percent. The necessity for these adjustments makes the homogeneity of the records for 1921-1940 rather doubtful.

## HOBART, TASMANIA

## AUTHORITY.

Commonwealth Meteorologist, Melbourne. Data copied from the Meteorological Magazine, London.

## PERTH, WESTERN AUSTRALIA

## AUTHORITY.

Meteorological Bureau, Melbourne. Data copied from the Meteorological Magazine, London.

## SYDNEY, NEW SOUTH WALES

## PRESSURE.

It is measured by a Kew-type mercurial barometer, the position of which remains unchanged from the decade 1921-1930.

## TEMPERATURE.

The thermometers were exposed in a large Stevenson screen which remains unchanged from the decade 1921-1930.

## PRECIPITATION.

It is measured by a standard 8-inch gage, the position of which remains unchanged from the decade 1921-1930.

## EUROPE

## AUSTRIA

## AUTHORITY.

Jahrbuch der Zentralanstalt für Meteorologie und Geodynamik, Wien.

## WIEN (VIENNA)

## SITE.

The observations for Vienna were made at Hohe Warte.

## NOTE.

After 1937 the data were taken from the Mitteleuropäischer Witterungsberichte.

## BRITISH EMPIRE

## ABERDEEN OBSERVATORY

## AUTHORITY.

Observatories' Year Book, London.

## EDINBURGH

## AUTHORITY.

Monthly Weather Reports of the Meteorological Office, London.

The observations were made at Blackford Hill, a suburb of the city.

## GIBRALTAR

## AUTHORITY.

Data copied from the Meteorological Magazine, London.

## NOTE.

The instrument enclosure, which was formerly situated in the Alameda Gardens, on the southwest side of the Rock and at a height of 102 ft. above mean sea level, was transferred to a position on Windmill Hill Flats, 395 ft. above mean sea level, on November 30, 1935. The exposure of the instruments is "conventional." The height of the barometer above mean sea level is 400 ft.

## PRECIPITATION.

Totals refer to the 24 hours beginning at 7<sup>h</sup>.

## GREENWICH

## AUTHORITY.

Monthly Weather Reports of the Meteorological Office, London.

## PRESSURE.

The latest published means of pressure at Greenwich are given in millibars at mean sea level. In order to make the results comparable with those published in World Weather Records, Smithsonian Misc. Coll., vols. 79 and 90, the printed values

are reduced to inches and a correction of  $-.190$  in. applied to obtain the values published in this volume.

The results thus obtained are for station level, not corrected for gravity. If it is wished to correct these values for gravity and reduce the pressure to sea level, it is necessary to apply a correction of  $+.016$  in. for gravity and  $+.175$  in. for height above mean sea level, making a total correction of  $+.191$  in.

#### TEMPERATURE.

Up to the end of 1933 the mean temperatures were from hourly readings, but beginning with January 1934 they were obtained from the means of the daily maxima and minima adjusted to 24-hour means by the following corrections:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°F.	+0.4	+0.2	-0.8	-0.8	-1.1	-0.8	-1.3	-1.2	-0.8	-0.3	+0.4	+0.2

The thermometers were in a Glaisher stand until December 31, 1937.

## DENMARK

### KØBENHAVN (COPENHAGEN)

#### AUTHORITY.

Danske Meteorologisk Aarbog, Copenhagen.

#### NOTE.

The pressure for Copenhagen was taken at the Meteorologisk Institut, the temperature and precipitation at the Landbohøjskolen.

## EIRE

### VALENTIA OBSERVATORY

(Cahiriveen, County Kerry)

#### AUTHORITY.

Observatories' Year Book, London; Monthly Weather Reports of the Meteorological Office, London; Mitteleuropäischer Witterungsberichte.

#### TEMPERATURE.

The following corrections were applied for reducing the means,  $\frac{1}{2}(\text{Max.} + \text{Min.})$ , to the means of 24 hours:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
°F.	0.4	0.5	0.1	0.2	0.2	0.1	0.0	0.2	0.4	0.4	0.6	0.4



## FINLAND

## HELSINKI

## AUTHORITY.

Ilmatieteellinen Keskuslaitos, Prof. J. Keränen, Director, Helsinki.

## FRANCE

## LYON (BRON)

## AUTHORITY.

1931 to 1934, Bulletin Mensuel de l'Office National Météorologique, Paris; 1935 and 1936, Bulletin Annuel, Paris; 1937 to 1939, Résumé Mensuel de Temps en France, Paris.

## NANTES

## AUTHORITY.

1931 to 1934, Bulletin Mensuel de l'Office National Météorologique, Paris; 1936 to 1939, Résumé Mensuel de Temps en France, Paris. Data for 1935 missing.

## PARIS (PARC DE ST. MAUR)

## AUTHORITY.

Same as for Nantes.

## GERMANY

## BERLIN-DAHLEM

## AUTHORITY.

1931 to 1933, Beobachtungen an den Stationen II und III Ordnung; 1934 to 1936, Deutsches Meteorologisches Jahrbuch, Teil 2; 1937, Deutsches Meteorologisches Jahrbuch, Teil 1; 1938 and 1939, Mitteleuropäischer Witterungsberichte.

## PRESSURE.

A correction of +0.8 mm. was added to observed mean pressures to reduce them from  $H_b=57.8$  m. to the old level,  $H_b=48.9$  m.

## BRESLAU-KRIETERN

## AUTHORITY.

1931 to 1933, Beobachtungen an den Stationen II und III Ordnung; 1934 to 1936, Deutsches Meteorologisches Jahrbuch, Teil 2; 1937 to 1939, Mitteleuropäischer Witterungsberichte.

## PRESSURE.

A correction of  $-1.5$  mm. was applied to the observed mean pressures to reduce them to the old level.

## FRANKFURT AM MAIN

## AUTHORITY.

1931 to 1933, Beobachtungen an den Stationen II und III Ordnung; beginning July 1, 1935, it became a station of the second order; 1934 to 1937, Deutsches Meteorologisches Jahrbuch; 1938 and 1939, Mitteleuropäischer Witterungsberichte.

## KÖNIGSBERG

## AUTHORITY.

1931 to 1933, Beobachtungen an den Stationen II und III Ordnung; 1934 and 1935, Deutsches Meteorologisches Jahrbuch, Teil 2; 1936 and 1937, Deutsches Meteorologisches Jahrbuch, Teil 1.

## PRESSURE.

A correction of  $+1.5$  mm. was added to the observed mean pressures to reduce them from the level of 22.6 m. to the old level of 6.2 m. In 1937 there was a change in height of station from 22.6 m. to 24.5 m., but all data have been reduced to 6.2 m. In July 1935 the observations were taken at a nearby station of the second order at 7<sup>h</sup>, 14<sup>h</sup>, and 21<sup>h</sup>.

## POTSDAM

## AUTHORITY.

1931 to 1933, Meteorologischen Beobachtungen in Potsdam; 1934 to 1936, Deutsches Meteorologisches Jahrbuch, Teil 4, Heft 1; 1937 to 1939, Mitteleuropäischer Witterungsberichte.

## PRECIPITATION.

Rainfall data taken at 7<sup>h</sup>.

## TRIER

## AUTHORITY.

1931 to 1933, Beobachtungen an den Stationen II und III Ordnung; 1934 to 1936, Deutsches Meteorologisches Jahrbuch, Teil 2; 1937, Deutsches Meteorologisches Jahrbuch, Teil 3.

## ITALY

## MILANO (MILAN)

## AUTHORITY.

Osservazioni Meteorologiche Fatte Nel R. Osservatorio Astronomico di Brera, Milan.

## PRESSURE.

Observations taken at 9<sup>h</sup>, 15<sup>h</sup>, 21<sup>h</sup>, during 1931 and 1932. Hours of observation changed December 1, 1932, to 8<sup>h</sup>, 14<sup>h</sup>, 19<sup>h</sup>.

## TEMPERATURE.

Observations are means of  $\frac{1}{4}(9^h + 21^h + \text{Max.} + \text{Min.})$ . On December 1, 1932, this was changed to  $\frac{1}{4}(8^h + 19^h + \text{Max.} + \text{Min.})$ .

## NETHERLANDS

## DE BILT

## AUTHORITY.

Koninklijk Nederlandsch Meteorologisch Instituut, De Bilt. Continuation of observations at Utrecht-De Bilt.

## NORWAY

## AUTHORITY.

Det Norske Meteorologiske Institutt, Dr. B. J. Birkland, Director, Oslo.

## TEMPERATURE.

In the earlier volumes and presumably for this volume the means of temperature for the Norwegian stations were obtained by the formula  $m = n - k(n - \text{Min.})$ , in which  $n$  is the mean of three daily observations (8<sup>h</sup>, 14<sup>h</sup>, and 20<sup>h</sup>, 15<sup>th</sup> meridian E. since 1903); Min. is the mean of the daily minima; and  $k$  is a factor which differs for each month. (See Köppen formula, Smithsonian Misc. Coll., vol. 79, p. 55.)

## BERGEN II (FREDRIKSBERG)

## PRESSURE.

From January 1926 to December 1940 a correction was applied to reduce the pressure from a height of 44.4 m. to 17.4 m. For the winter half year (October to April) the correction applied was +2.4 mm.; for the summer half year (May to September) it was +2.3 mm.

## BODÖ

## PRESSURE.

Corrected from  $H_b=17.0$  m. to  $H_b=20.5$  m. by subtracting 0.4 mm.

## TEMPERATURE.

The corrections to the old station are:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
°C.	+0.4	+0.4	+0.5	+0.3	+0.2	-0.1	+0.1	+0.4	+0.6	+0.5	+0.5	+0.5	+0.4

## OSLO

## GENERAL NOTE.

The records ceased for Oslo Observatory in June 1937. Data were thereafter substituted from Blindern, Lat.  $59^{\circ} 56' N.$ , Long.  $10^{\circ} 44' E.$ ,  $H_b=90.0$  m.,  $h_t=2.0$  m.,  $h_r=2.3$  m. These data were reduced to the old level of 24.9 m. by the following corrections for pressure:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
mm.	+6.2	+6.2	+6.2	+6.1	+6.0	+5.8	+5.8	+5.8	+5.9	+6.0	+6.0	+6.1	+6.0

The corrections for temperature:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
°C.	+1.2	+1.2	+1.1	+0.9	+0.8	+0.7	+0.6	+0.6	+0.7	+0.8	+1.0	+1.1	+0.9

These corrections were derived from overlapping observations for 17 months. No correction was applied to the rainfall data which came from Oslo Observatory through May 1937; from then on data from Blindern have been copied.

## POLAND

## KRYNICA

## AUTHORITY.

1931 to 1933, *Annuaire de l'Institut Central Météorologique de Pologne*, Warsaw; 1934 to 1938, *Bulletin Météorologique et Hydrographique*.

## LWÓW (LEMBERG)

## AUTHORITY.

1931 to 1936, *Spostrzezen Meteorologicznych*, Lwów; 1937 to 1938, *Bulletin Météorologique et Hydrographique*, Warsaw.

## WARSZAWA (WARSAW)

## AUTHORITY.

Station used, "l'Usine des Eaux." 1931 to 1933, *Annuaire de l'Institut Central Météorologique de Pologne*, Warsaw; 1934 to 1938, *Bulletin Météorologique et Hydrographique*, Warsaw.

## WILNO (VILNA)

## AUTHORITY.

Same as for Warsaw.

## PORTUGAL

## LISBOA (LISBON)

## AUTHORITY.

Observatório Central Meteorológico, Prof. Dr. H. Amorim Ferreira, Director, Lisbon.

## RUMANIA

## AUTHORITY.

Institutul Meteorologic Central al României, Dr. C. Ioan, Director, Bucharest.

## SWEDEN

## AUTHORITY.

Statens Meteorologisk-Hydrografiska Anstalt, Dr. Gustaf Slettenmark, Director, Stockholm.

## SWITZERLAND

## AUTHORITY.

Schweizerische Meteorologische Zentralanstalt, Dr. R. Billwiller, Director, Zürich.

## UNION OF SOVIET SOCIALIST REPUBLICS (EUROPE)

## AUTHORITY.

Official Weather Service, Union of Soviet Socialist Republics.  
(See notes under AUTHORITY, Union of Soviet Socialist Republics, Asia.)

## ARKHANGELSK

## STATION.

In August 1935 the meteorological station was transferred.

## PRESSURE.

The barometer was placed at the height of 9.9 m. The means of pressure from 1936 to 1940 have been reduced to the former height of 6.7 m. by introducing the correction of  $-0.3$  mm.

## ASTRACHAN

## PRESSURE.

The means of pressure have been reduced to the former height of  $-13.8$  m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $-1.2$  mm. in the values ob-

tained at the height of  $-25.8$  m. from 1931 to 1933, by introducing the correction of  $-0.3$  mm. in the values of the height  $-16.4$  m. from 1934 to 1936, and by introducing the correction of  $-0.1$  mm. in the values obtained at the height of  $-15.1$  m. from 1937 to 1940.

## KASAN

## PRESSURE.

Since 1935 the barometer has been placed at the height of 84.8 m. The means of pressure from 1935 to 1940 have been reduced to the height of 82.4 m. by introducing the correction of  $+0.2$  mm.

## LENINGRAD

## STATION.

In July 1933 the meteorological station was transferred to another part of the city.

## PRESSURE.

Since 1935 the barometer has been placed at the height of 3.8 m. The means of pressure have been reduced to the former height of 4.8 m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $+0.4$  mm. in the values of pressure for the period from 1931 to 1934 at the height of 8.6 m., and the correction of  $-0.1$  mm. in the values for the period 1935 to 1940 at the height of 3.8 m.

## MOLOTOV (PERM)

## STATION.

In 1938 the meteorological station was transferred.

## PRESSURE.

The barometer was placed at the height of 157.2 m. from 1935 to April 1938. Beginning with May 1938 it has been at the height of 144.2 m. The means of pressure have been reduced to the height of 159.3 m. (see errata to vols. 79 and 90, Smithsonian Misc. Coll.) by introducing the correction of  $-0.2$  mm. for the period 1935 to April 1938, and by introducing the correction of  $-1.5$  mm. for the period from May 1938 to 1940.

## OKTJABRSKY GORODOK (NIKOLAEWSKOE)

## PRESSURE.

Since 1938 the barometer has been placed at the height of 189.9 m. The values of pressure for the period from 1938

to 1940 have been reduced to the former height of 193 m. by introducing the correction of  $-0.3$  mm.

## SWERDLOWSK (EKATERINBURG)

## STATION.

In 1938 the meteorological station in this city did not work. The values have been interpolated from the neighboring station, the position of which is Lat.  $56^{\circ} 47' N.$ , Long.  $60^{\circ} 38' E.$ ,  $H_b = 290.3$  m.

## PRESSURE.

The pressure for 1938 has been reduced to the height of 281 m. by introducing the correction of  $+0.9$  mm.

## UST-ZYLMA

## PRESSURE.

Since 1930 the barometer has been placed at the height of 73.8 m. The pressure has been reduced to the height of 74.6 m. indicated in Smithsonian Misc. Coll., vol. 90, by introducing the correction of  $-0.1$  mm.

INDIAN OCEAN  
BRITISH NEW GUINEA  
PORT MORESBY

## AUTHORITY.

Papua Government Gazette, Port Moresby.  
The December 1934 and January, February, and March 1940 issues of the Papua Gazette were not available.

BRITISH NORTH BORNEO  
SANDAKAN

## AUTHORITY.

Principal Medical Officer, North Borneo.  
Data copied from the Meteorological Magazine, London.

## CHRISTMAS ISLAND

## AUTHORITY.

Data sent from the Meteorological Office, London, England.

LACCADIVE ISLANDS  
AMINI DIVI AND MINICOY

## AUTHORITY.

India Meteorological Department, Poona, India.

## MADAGASCAR

## ANTANANARIVO

## AUTHORITY.

Bulletin Météorologique Mensuel.

## PRESSURE.

A correction of  $-1.5$  mm. was applied for gravity.

## SITE.

The height of the barometer, thermometer, and rain gage above mean sea level has been the same throughout the period. Corrected to 1,374 m. after precise leveling by Service Geographique de Madagascar.

## MAURITIUS

## AUTHORITY.

Royal Alfred Observatory, Vacoas, Mauritius.

## NETHERLANDS EAST INDIES

## AMBOINA

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum. Precipitation only.

## BATAVIA

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum.

## KAJUMAAS (KAJOEMAAS)

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum. Precipitation only.

## KUPANG (KOEPANG)

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum. Precipitation only.

## KUTA RAJA (KOETA RADJA)

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum. Precipitation only.



## MANADO (MENADO)

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum. Precipitation only.

## MANOKWARI

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum. Precipitation only.

## MEDAN

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum, and Climatological Tables, vol. 19 A, of the same observatory.

## SITE.

The observations of the years 1939 and 1940 are made at the aerodrome of Medan. Position of the aerodrome is Lat.  $3^{\circ} 36' N.$ , Long.  $98^{\circ} 41' E.$ ; height above sea level, 26 m.

## TEMPERATURE.

In those cases in which a station was already in operation before 1933, the total averages of the monthly and yearly means of temperature have been closed at the end of 1932, whereas the tables are reopened at the start of 1933 and closed again at the end of 1938. The reason is that during the years before 1933 temperatures were read from records at every 2-hour interval. The monthly and annual means are therefore true daily means.

From 1933 onward temperature was noted at 6<sup>h</sup>, 14<sup>h</sup>, and 20<sup>h</sup> only, the mean of these values being taken as daily means. Consequently, the tables of monthly and annual means of temperature before 1933 and from 1933 onward are not homogeneous.

## PADANG

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia, Centrum. Precipitation only.

## PASURUAN (PASOEROEAN)

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te  
Batavia, Centrum.

## TEMPERATURE.

Same note as for Medan, above.

## PONTIANAK

## AUTHORITY.

Koninklijk Magnetisch en Meteorologisch Observatorium te  
Batavia, Centrum. Precipitation only.

## SEYCHELLES

## PORT VICTORIA

## AUTHORITY.

India Meteorological Department, Poona, India.

## NORTH AMERICA

## ALASKA

## AUTHORITY.

United States Weather Bureau, Washington, D. C. At several  
Alaska stations the mean for temperature and pressure is  
printed uncorrected to the mean of 24-hourly observations.  
See also notes under United States.

## CANADA

## AUTHORITY.

Meteorological Service of Canada, J. Patterson, Controller,  
Toronto.

## ABITIBI

Station closed.

## AKLAVIK

## PRESSURE.

Pressure reduced to sea level by adding .055 in. for gravity and  
.025 in. for elevation. July 1934 correction for sea level in-  
creased to .030 in.; this latter correction made retroactive  
to 1931. Sea-level pressure is reduced to millibars.

## CHARLOTTETOWN

## PRESSURE.

On November 19, 1934, instruments removed to the experimental farm,  $H=94$  ft., but barometer reduced to the former elevation of 44.6 ft.

## EDMONTON

## NOTE.

Commencing January 1940, figures are from Edmonton Airport,  $H=2,219$  ft. Pressures reduced to former elevation, 2,158 ft.

## PRINCE ALBERT

## NOTE.

Station moved to ground floor of another building on same street September 1, 1932. In new site,  $H=1,413$  ft. Pressures reduced to 1,432 ft.

## VICTORIA

## PRESSURE.

The pressures are reduced to 85 ft., the old level used in Smithsonian Misc. Coll., vol. 79, by adding .15 in. for July, August, and September, and .16 in. for the remainder of the year to the values recorded at 228 ft., the new height of the station.

## WINNIPEG

## NOTE.

During 1931 observations were made at St. John's College, elevation 760 ft.; from January 1932 to February 1938, at Agricultural College, elevation 789 ft. (reduction made to 786 ft.). From March 1938 observations were made at Stevenson Field Airport, 786 ft. All pressures are reduced from new elevation of 786 ft. to old elevation of 760 ft. by applying correction of  $-.03$  in.

## CENTRAL AMERICA

## CANAL ZONE

## CRISTOBAL (COLÓN)

## AUTHORITY.

United States Weather Bureau, J. B. Kincer, Chief of Division of Climate and Crop Weather, Washington, D. C. See general notes for the United States.

The Meteorological Stations of Colón and Cristobal have been considered identical. While the station has been moved several times, all locations are within a mile of each other and under similar meteorological influences. The data for this station were published under the name of Cristobal from January 1908 to August 1911; under the name of Colón from September 1911 to March 1927, and again under the name of Cristobal from April 1927 to date.

PRESSURE.

To reduce pressures to sea level, .037 was added to values.

COSTA RICA

SAN JOSÉ

AUTHORITY.

Instituto Físico Geográfico, Servicio Meteorológico Nacional,  
Prof. J. Merino y Coronado, Lic. sc. Director.

PRECIPITATION.

"Only a few pluviometric stations continued their work, one of these being San José, and so it is possible to send the data on rainfall except for the years 1922-1934. We are now reorganizing the National Meteorological Service and I am looking for the registers that are partially or totally lost." (Excerpt from the Director's letter.)

HONDURAS

TEGUCIGALPA

AUTHORITY.

Fuerza Aerea Hondureña, Lt. A. San Martín C., Tegucigalpa.

SALVADOR

SAN SALVADOR

AUTHORITY.

Observatorio Nacional, José Mejía Pérez, Director General, San Salvador.

MEXICO

AUTHORITY.

Servicio Meteorológico Mexicano, Ing. José C. Gómez, Chief,  
Tacubaya, D. F.

## UNITED STATES

## AUTHORITY.

United States Weather Bureau, F. W. Reichelderfer, Chief; Division of Climate and Crop Weather, J. B. Kincer, Chief of Division, Washington, D. C.

## HOURS OF OBSERVATION.

From November 1, 1870, to August 24, 1872, observations were made at 7<sup>h</sup> 35<sup>m</sup>, 16<sup>h</sup> 35<sup>m</sup>, and 23<sup>h</sup> 35<sup>m</sup>, Washington time.

From August 25, 1872, to October 31, 1879, observations were made at 7<sup>h</sup> 35<sup>m</sup>, 16<sup>h</sup> 35<sup>m</sup>, and 23<sup>h</sup>, Washington time.

From November 1, 1879, to December 31, 1884, observations were made at 7<sup>h</sup>, 15<sup>h</sup>, and 23<sup>h</sup>, Washington time.

From January 1, 1885, to December 31, 1886, observations were made at 7<sup>h</sup>, 15<sup>h</sup>, and 23<sup>h</sup>, 75th meridian time.

From January 1, 1887, to June 30, 1888, observations were made at 7<sup>h</sup>, 15<sup>h</sup>, and 22<sup>h</sup>, 75th meridian time.

From July 1, 1888, to December 31, 1937, observations were made at 8<sup>h</sup> and 20<sup>h</sup>, 75th meridian time.

From January 1, 1938, to the present time, observations were made at 7<sup>h</sup> $\frac{1}{2}$  and 19<sup>h</sup> $\frac{1}{2}$ , 75th meridian time.

## METHODS OF OBSERVATION.

(Taken from the Annual Meteorological Summaries, 1937.)

## PRESSURE.

Two mercurial barometers of the well-known Fortin cistern pattern, or a modified form thereof, are furnished each station. One of these, the station barometer, is used in making all regular observations; the other, the extra, is held in reserve for use in case of emergency, except that monthly comparative readings are made on the two instruments for purpose of check upon the deterioration of either instrument.

Each barometer, before issue to station, is compared with the substandard at Washington, and a certificate-of-correction card furnished showing the several constant corrections that must be applied to the readings of the instrument in order to derive therefrom the actual pressure of the air in standard units at a specified elevation. Each observation as made, therefore, is corrected by the application of the following:

- (1) Correction of scale error, capillarity, etc.
- (2) Correction to standard gravity, comprising both latitude and altitude terms.

- (3) Correction for removal—a correction applied if any change has been made in the elevation of the barometer, to reduce the readings to the elevation adopted in 1900. (However, at a very few stations the elevation of 1900, or the original elevation of a station opened since 1900, has been replaced as the “station elevation” by an actual elevation since established.)

Corrections 1, 2, and 3 are constant for any one station and are combined in a single sum.

- (4) Correction for the temperature of the scale and mercurial column.

In the pressure columns of this part the values presented are those at the station elevations of the barometer cisterns, which are at various heights above the ground level, but usually less than 100 feet. On the other hand, daily weather maps and most other pressure data issued by the Bureau indicate sea-level pressures.

The monthly mean pressures given in the summary are deducted from the corrected observations of pressure at 7:30 a. m. and 7:30 p. m., 75th meridian time, by taking the mean thereof and applying thereto a correction to reduce to the mean of 24-hourly observations. At several Alaska stations and at Honolulu the mean is printed uncorrected. The extremes are determined, wherever possible, from the barograph trace.

#### TEMPERATURE.

The temperature of the air at 7:30 a. m. and 7:30 p. m., 75th meridian time, is obtained by the use of the whirled dry-bulb thermometer. The latter is a part of the whirled psychrometer and is mounted in the thermometer shelter adopted in 1885. The means of these observations are given in the columns headed 7:30 a. m., and 7:30 p. m., respectively.

The maximum temperature is obtained by the use of the Negretti and Zambra mercurial thermometer, having a constriction in the bore of the tube below the scale. The minimum temperature is obtained by the use of the ordinary Rutherford alcohol minimum thermometer. Both instruments are read and the values recorded twice daily, at 7:30 a. m. and 7:30 p. m., 75th meridian time, and are set twice daily at 7:30 a. m. and 7:30 p. m. The extremes given in the summaries

are for the civil day, midnight to midnight, normal standard time. The monthly means have been obtained by dividing the sum of the mean maximum and mean minimum temperatures by 2.

#### PRECIPITATION.

The rain gages used at the regular Weather Bureau stations have a circular catchment area of about 8 inches diameter, and the snow, hail, or sleet caught within them is melted and measured as water. The rain gage proper is set within an enclosing cylinder, which serves as an overflow attachment in the case of heavy rains and as a snow gage in the winter season.

The sum total of the depth of rain and melted snow is measured to within 0.01 inch at 7:30 a. m. and 7:30 p. m., 75th meridian time, daily. The total precipitation is determined from the amounts recorded daily, midnight to midnight, standard of time in local use.

The snow caught and retained in the gage is melted and measured as water. No correction is applied for snow that is lost out of the gage by the eddying action of the wind; consequently in some cases the record is less than would be given if the observer had measured cylinders of snow cut from the spots representing the average snowfall on the ground. When it is known that the catch of the snow gage is markedly at fault, an independent ground measurement is made and used as the official record. The loss of both rain and snow caused by high winds, from gages exposed on the roofs of tall buildings in which some of the regular stations of the Weather Bureau are located, is undoubtedly larger than is the case at the cooperative stations where the gages are located in the open country and near the ground, but this loss does not appear to be sufficient to make the monthly sums derived from these two classes of stations wholly inconsistent with each other.

### CHICAGO

#### SITE.

The Chicago office was moved to the University of Chicago on July 1, 1926.

#### PRESSURE.

Beginning with July 1, 1926, the readings of the barometer are here corrected to the old level of 823 ft.

## RED BLUFF (REDDING)

## SITE.

Observations 1931 through 1933 made at Red Bluff; 1934-1935 at Redding; and 1936-1940 at Redding Airport.

*Comparison of data—temperature*

Mean for 5 years:	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931-1935 .....	45.9	50.0	56.3	61.4	68.3	76.5	83.1	82.4	75.8	65.8	56.4	45.6	63.8
1936-1940 .....	45.6	47.1	54.0	60.2	68.8	76.5	83.0	82.3	75.1	65.9	56.4	50.3	63.8
2d period compared with 1st .....	-0.3	-2.9	-2.3	-1.2	+0.5	0.0	-0.1	-0.1	-0.7	+0.1	0.0	+4.7	0.0

## SACRAMENTO

*Comparison of data—temperature*

Mean for 5 years:	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931-1935 .....	45.5	50.5	56.2	60.3	65.1	71.1	76.0	75.0	70.8	64.3	54.4	45.6	61.2
1936-1940 .....	45.9	50.0	54.9	60.1	66.6	72.6	76.2	75.5	72.2	64.6	54.2	48.5	61.8
2d period compared with 1st .....	+0.4	-0.5	-1.3	-0.2	+1.5	+1.5	+0.2	+0.5	+1.4	+0.3	-0.2	+2.9	+0.6

## NORTH ATLANTIC

## AZORES

## AUTHORITY.

Serviço Meteorológico dos Açôres, J. Agostinho, Director, Angra do Heroísmo, Azores.

## STATIONS.

Horta and Ponta Delgada.

## PONTA DELGADA

## REMARKS.

The remarks on page 82 of World Weather Records (Smithsonian Misc. Coll., vol. 79) are good until December 31, 1936. Beginning January 1, 1937, the observatory was changed to a new place, whose conditions are as follows:

The thermometers are placed in a Stevenson screen 1.8 m. above the ground. The height of the rain gage (Standard Babinet, 1 sq. dm. of area) is 1.5 m. above the ground.

Precipitation at this new site (R—Relvão) was compared before 1937 with the precipitation at the former site (G—Graça), and it was found to be 23 percent greater.

As to the manner in which the means were obtained, there is no change. Observations are now made at 6<sup>h</sup>, 11<sup>h</sup>, 16<sup>h</sup>, and 22<sup>h</sup>.



## BERMUDA

## ST. GEORGE (PROSPECT)

## AUTHORITY.

Bermuda Meteorological Station, W. A. Macky, Meteorologist,  
Warwick.

## GENERAL NOTE.

The stations are: Prospect, Lat.  $32^{\circ} 18' N.$ , Long.  $64^{\circ} 45' W.$ ; and St. George, Lat.  $32^{\circ} 23' N.$ , Long.  $64^{\circ} 41' W.$  No corrections have been applied to any of the accompanying figures to allow for a change of site.

## PRESSURE.

*At sea level.* Observations were at Prospect from January 1931 to 8<sup>h</sup> March 30, 1932, and at St. George from 20<sup>h</sup> March 30, 1932, onward. Times of observation were 8<sup>h</sup>, 15<sup>h</sup>, and 20<sup>h</sup> from January 1931 to December 1936, and 8<sup>h</sup>, 14<sup>h</sup>, and 20<sup>h</sup> from January 1937 onward. All times are for 60th meridian. Height of barometer cistern at Prospect, 125 ft. above sea level; at St. George, 158 ft. above sea level.

*At station level.* Individual values for station level have not been tabulated up to the present. The method adopted for obtaining the monthly means here given has been to apply a correction to the monthly means for sea level, using the mean of temperatures at the hours of observation for the month in question, to obtain values for 158 ft. above sea level for the *whole period* January 1931 to December 1940. The following values of pressure at station level (125 ft.) for the period when observations were made at Prospect were obtained in a similar way after reduction to millibars:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
mb. 1931	13.2	9.9	7.4	15.3	12.9	13.0	14.3	15.7	13.6	13.6	16.3	16.2	13.5
1932	18.9	11.9	7.2										

## TEMPERATURE.

Values here given are for Prospect from January 1931 to 8<sup>h</sup> March 30, 1932, and St. George from 20<sup>h</sup> March 30, 1932, onward.

## PRECIPITATION.

Values here given are for Prospect from January 1931 to December 1932, and for St. George from January 1933 onward. The day is reckoned as covering 24 hours beginning at 8 a. m. on the date in question.

The preceding notes are those given by the Bermuda Meteorological Officer. The values of pressure were sent in millibars but are here

converted into inches in order to make them comparable with the values published in Smithsonian Misc. Coll., vols. 79 and 90. The values of pressure in millibars are given under "Pressure at Sea Level." These were prepared by W. A. Macky, Meteorologist. The early observations made at Hamilton and published in the Blue Books he did not consider of the desired accuracy and hence omitted them. In regard to the observations at Prospect and St. George he writes:

*"Prospect Observations.*—These were taken by N.C.O.'s of the Medical Corps under the distant supervision of the Canadian Meteorological Service to whom the original records were forwarded. We have in the office here these original records from the beginning of 1922 but the earlier ones were destroyed after the necessary data had been extracted in Toronto, and we have available for the years 1908 to 1921 only the summaries published in the Bermuda Blue Books, and somewhat similar summaries published in Canada. There are various more or less slight discrepancies between the two published versions and I have not yet been able to check fully the period before 1922.

"From the daily observations available from 1922 to 1931 we have checked carefully all the published values. It is assumed that the actual readings taken at Prospect were reasonably accurate. The barometer was a Fortin which we have in this office and it agrees very well with our standard. It was found, however, that up until the end of March 1927 no correction was made for standard gravity and also at several later periods this was omitted again. The site of the barometer was moved at least once and for more than a year after this move the altitude correction appropriate to the first site was used.

"All these errors have been corrected to the best of our ability and the correct sea level pressures from 1922 to 1932 for each month are given in the attached table.

*"St. George Observations.*—From April 1, 1932, observations published have been for St. George and all the proper corrections have been made to these. They are given also in the table herewith. To sum up: (a) the table herewith gives the only mean monthly values which I consider are to be relied upon, that is from January 1922 to December 1940. (b) There is as far as I know no source of reliable or even semireliable values earlier than June 1, 1908. (c) From June 1, 1908, until the end of 1921 the mean values pub-

lished in the Bermuda Blue Books or in Canadian reports are probably accurate observations but these means were mainly for only two observations per day, almost certainly no correction was made to reduce to standard gravity and there may have been changes of site which are not recorded."

### CAPE VERDE ISLANDS

#### AUTHORITY.

Observatório Central Meteorológico, Lisbon, Portugal.

### FAROES

#### HØJVIG (THORSHAVN)

#### AUTHORITY.

Danske Meteorologisk Aarbog, Copenhagen, Denmark.

#### STATION.

Thorshavn station closed and Højvig substituted April 1, 1925.

#### PRESSURE.

The height of the barometer above mean sea level is 22.9 m. This does not agree with the previously published height at Thorshavn, where the  $H_b$  was 25.7 m.

#### PRECIPITATION.

The precipitation is measured at 8<sup>h</sup> and is reported for the 24 hours preceding.

### GREENLAND

#### ANGMAGSSALIK

#### AUTHORITY.

A. Christensen, observer, Angmagssalik.

#### NOTE.

The observed data were taken from Annals published by Meteorologisk Institut for the years 1931-1935. The observations for the years 1936-1940 are copied from the station records at Angmagssalik. The pressure was given at station level but is here reduced to sea level.

### GODTHAAB

#### AUTHORITY.

Danske Meteorologisk Aarbog, Copenhagen, Denmark.

### IVIGTUT

#### AUTHORITY.

Johs Nielsen, observer, Ivigtut.

## JACOBSHAVN

## AUTHORITY.

Pressure, Danske Meteorologisk Aarbog, Copenhagen, Denmark.  
Pressure is here reduced to sea level. Temperature and precipitation were sent from Jacobshavn, Greenland.

## SCORESBY SOUND

## AUTHORITY.

Danske Meteorologisk Aarbog, Copenhagen, Denmark.

## UPERNIVIK

## AUTHORITY.

Danske Meteorologisk Aarbog, Copenhagen, Denmark.

## ICELAND

## AUTHORITY.

Verdurstofan, Thorkell Thorkelsson, Director, Reykjavik.

## MADEIRA

## FUNCHAL

## AUTHORITY.

Observatório Central Meteorológico, Lisbon, Portugal.

## SPITSBERGEN

## ISFJORD RADIO (SVALBARD RADIO)

## AUTHORITY.

Jahrbuch des Norwegischen Meteorologischen Instituts, Oslo.

## REMARKS.

From January 1, 1931, to August 31, 1934, observations taken at Svalbard Radio, Lat.  $78^{\circ} 13' N.$ , Long.  $15^{\circ} 38' E.$ ,  $H_b=53.0$  m. From September 1, 1934, to December 31, 1937, observations taken at Isfjord Radio, Lat.  $78^{\circ} 4' N.$ , Long.  $13^{\circ} 38' E.$ ,  $H_b=8.2$  m.

## PRESSURE.

All pressure observations reduced to level of Spitsbergen,  $H_b=10.6$  m., as published in Smithsonian Misc. Coll., vol. 90, by adding 5.4 mb. to Svalbard observations, 1931-1934, and by subtracting 0.3 mb. from Isfjord observations, 1935-1937.

## TEMPERATURE.

Computed by integral formula,  $m=n-k(n-\text{Min.})$ , in which  $n$  is the mean of three daily observations at fixed hours, Min.

is the daily minimum temperature, and  $k$  is a factor varying with the station and month.

## WEST INDIES

## BARBADOS

## AUTHORITY.

Department of Agriculture, L. J. Lamb, Director, Barbados.

## CUBA

## HABANA

## AUTHORITY.

Observatorio Nacional, José Carlos Millás, Director, Casa Blanca, Habana.

## GRENADA

## RICHMOND HILL

## AUTHORITY.

Grenada Meteorological Observations, Climatological Data, United States Weather Bureau; and Meteorological Magazine, London.

## TEMPERATURE.

Up to January 1, 1937, the temperature is the mean of the maximum and minimum. After that it is the mean of 24 hours.

## HAITI

## PORT-AU-PRINCE

## AUTHORITY.

Observatoire Météorologique du Séminaire, R. Baltenweck, Director, St. Martial, Port-au-Prince.

## JAMAICA

## NEGRIL POINT LIGHTHOUSE

## AUTHORITY.

Jamaica Weather Service, J. F. Brennan, Government Meteorologist, Kingston.

## MARTINIQUE

## FORT-DE-FRANCE

## AUTHORITY.

Service Météorologique, Ing. S. Frolow, Chief, Fort-de-France.

## SITE.

The observations were made at Lat.  $14^{\circ} 36' N.$ , Long.  $61^{\circ} 5' W.$  from January 1932 to June 1934. Starting with July 1934 the observations were made at the Observatoire de Desaiz, Lat.  $14^{\circ} 37' N.$ , Long.  $61^{\circ} 4' W.$ , H = 146 m.

## PUERTO RICO

## SAN JUAN

## AUTHORITY.

United States Weather Bureau, Washington, D. C.

## TRINIDAD

## AUTHORITY.

Agricultural Department, R. O. Williams, Director, Port of Spain.

## VIRGIN ISLANDS

## ANNA'S HOPE

## AUTHORITY.

United States Weather Bureau. See notes under United States.

## REMARKS.

Station formerly known as Christiansted, but now designated Anna's Hope, is located at United States Experiment Station, 2 miles southeast of the town of Christiansted. Only the name of the station, not the location, has been changed.

## NORTH PACIFIC

## BONIN ISLANDS

## OMURA

## AUTHORITY.

The data were copied in Washington, D. C., from an official Japanese publication on file in the library of the Weather Bureau and were subsequently adjusted by Irving Schell to correspond with the data in World Weather Records, Smithsonian Misc. Coll., vol. 90. The 1931 data were copied from the Réseau Mondial.

## HAWAIIAN ISLANDS

## HONOLULU

## AUTHORITY.

United States Weather Bureau, Washington, D. C. See notes under United States.

## MIDWAY ISLAND

## AUTHORITY.

United States Weather Bureau, Washington, D. C.

## MARIANAS ISLANDS

## GUAM

## AUTHORITY.

Weather Bureau Central Office, Manila, Philippine Islands.

## PHILIPPINE ISLANDS

## AUTHORITY.

Weather Bureau Central Office, Manila.

## MANILA

## NOTE.

Owing to reconstruction work on the Observatory Building, the barometer was transferred on April 13, 1933, 9 a. m., to another position about 40 m. to the northeast of the former position and 19.82 m. above sea level. It remained in that position till June 19, 3 p. m. From that same hour and date, the barometer was transferred to a new and permanent position almost directly below that occupied prior to April 13, 1933, but now 10.05 m. above sea level.

## YAP ISLAND

## AUTHORITY.

Weather Bureau Central Office, Manila, Philippine Islands.

## SOUTH AMERICA

## ARGENTINA

## AUTHORITY.

Dirección General de Meteorología, Geofísica e Hidrología, Ing. Alfredo G. Galmarini, Director, Buenos Aires, Argentina.

## BUENOS AIRES

## PRESSURE.

Height, 25 m. until April 4, 1933; 31.52 m. from April 5, 1933, to September 30, 1934; 25 m. from October 1, 1934, to March 16, 1938. A correction of +0.6 mm. has been applied

to these observations from April 1933 to September 1934 to reduce to the height of 25 m. Height of station from March 17, 1938, to date, 25.22 m.

#### CATAMARCA

##### PRESSURE.

Height, 511 m. to March 31, 1929; 528 m. from April 1, 1929, to October 24, 1935; 516.77 m. from October 25, 1935, to date. A correction of +1.5 mm. was added to the observed pressures from January 1931 to October 1935, and +0.4 from November 1935 to December 1940 to reduce the observed monthly mean pressures to the old height of 510 m. given in Smithsonian Misc. Coll., vols. 79 and 90.

#### CÓRDOBA

##### PRESSURE.

The latest determination of the height of the barometer at Córdoba is 425.1 m. The barometer has remained in the same place since the beginning of observations, and previously published heights should be 425.1 m. instead of those given.

#### GOYA

##### PRESSURE.

Height, 36.95 m. from June 13, 1930, to September 4, 1931; 36.40 m. from September 5, 1931, to October 25, 1935; 37.16 m. from October 26, 1935, to date.

##### EDITOR'S NOTE.

A change in the height of the barometer to 37 m. is recorded about January 1928, but such a change is not reflected in the monthly means of pressure.

#### HARDING GREEN (BAHÍA BLANCA) (PUERTO BELGRANO)

##### PRESSURE.

Observations of pressure taken at Bahía Blanca January 1931 to December 1931, Lat.  $38^{\circ} 43' S.$ , Long.  $62^{\circ} 16' W.$ ,  $H_b = 29$  m. The station at Puerto Belgrano, Lat.  $38^{\circ} 55' S.$ , Long.  $62^{\circ} 4' W.$ ,  $H_b = 10.5$  m., was then substituted for Bahía Blanca for the years 1932-1936. After rather a long break the station was moved to Harding Green, Lat.  $38^{\circ} 43' S.$ , Long.  $62^{\circ} 9' W.$ , height above sea level, 73.77 m. September 1940, the station was moved to the aerodrome located in the



vicinity of Harding Green, Lat.  $38^{\circ} 45' S.$ , Long.  $62^{\circ} 12' W.$ , height above sea level, 68.23 m. All observed pressures reduced to  $H_b=25$  m. to conform with data previously published at Bahía Blanca.

PRECIPITATION.

All rainfall observations were made at Bahía Blanca.

SALTA

PRESSURE.

Height, 1,182 m. to August 30, 1930; 1,173.39 m. from August 31, 1930, to date. A correction of  $-0.6$  was made to the monthly mean pressure after September 1930 to reduce it to the old level of 1,182 m. from the present level of 1,173.39 m.

SANTA CRUZ

PRESSURE.

Height, 13.0 m. to December 20, 1936; 10.81 m. from December 21, 1936, to date. No correction applied.

SARMIENTO

PRESSURE.

Height, 272.4 m. from May 28, 1914, to August 31, 1929; 272.— m. from September 1, 1929, to April 4, 1937; 272.20 m. from April 5, 1937, to May 1940; 270.21 m. from May 1940 to date. The pressure was not corrected for these small changes in height.

TRELEW (PUERTO MADRYN)

PRESSURE AND TEMPERATURE.

Observations taken at Puerto Madryn, Lat.  $42^{\circ} 46' S.$ , Long.  $58^{\circ} 29' W.$ ,  $H_b=7.66$  m., from January 1931 to November 1933. On December 1, 1933, Trelew, Lat.  $43^{\circ} 15' S.$ , Long.  $65^{\circ} 22' W.$ ,  $H_b=13.24$  m., was substituted for Puerto Madryn.

The pressure at Puerto Madryn was corrected from 7.66 m. to 13.24 m. for the years 1931-1933. The temperature observed at Puerto Madryn from January 1931 to November 1933 is uncorrected. Thereafter the observed temperatures are those obtained at Trelew.

## BOLIVIA

## LA PAZ

## AUTHORITY.

Observatorio San Calixto, La Paz.

## BRAZIL

## AUTHORITY.

Serviço de Meteorologia, Dr. Francisco Souza, Director, Rio de Janeiro.

## GENERAL NOTE.

On January 1, 1938, there was a change in the hours for taking observations which are as follows: Up to December 31, 1937, the observations were taken three times a day, at 7<sup>h</sup>, 14<sup>h</sup>, and 21<sup>h</sup> local time; on January 1, 1938, the observation hours were changed to 12<sup>h</sup>, 18<sup>h</sup>, and 24<sup>h</sup> G.M.T. (except in the state station of Juiz de Fora, which continued with the old hours). In the first of the above-mentioned periods, to calculate the daily averages, the following formulas were used:

$$\text{Pressure} = \frac{1}{3}(7^h + 14^h + 21^h).$$

$$\text{Temperature} = \frac{1}{4}(7^h + 14^h + 21^h + 21^h).$$

In the second period the formulas provisionally used were:

$$\text{Pressure} = \frac{1}{3}(12^h + 18^h + 24^h).$$

$$\text{Temperature} = \frac{1}{4}(12^h + 18^h + 24^h + \text{Min.})$$

## MANAUS

## SITE.

Up to July 31, 1933, the barometer readings were at 43.78 m. above sea level, and from that date onward the readings were at 44.40 m.

## OLINDA

## SITE.

Until September 9, 1932,  $H_b = 29.76$  m.; from that date to April 16, 1934,  $H_b = 21.45$  m.; thereafter  $H_b = 61.85$  m., which is its present height.

## ONDINA

See data for Salvador.

## RIO DE JANEIRO

## SITE.

Up to February 28, 1939, this station was located on the terrace of a tower in the "Ponta do Calabouco" (Lat.  $22^{\circ} 54' S.$ , Long.  $43^{\circ} 10' W.$ ,  $H_b=18.3$  m.). From March 1, 1939, to June 10, 1941, the station was on a terrace of another building near the former one (same coordinates;  $H_b=44.70$  m.).

## PRESSURE.

To correct the pressure to sea level, 2.4 mb. was added from January 1931 through February 1939; then 5.8 mb. was added from March 1939 through December 1940.

## SALVADOR

## SITE.

Up to December 31, 1932, this station was operating in the suburb of Ondina in the southern part of the city, very close to the sea (Lat.  $13^{\circ} 00' S.$ , Long.  $38^{\circ} 31' W.$ ,  $H_b=46.57$  m.). From January 1, 1933, to September 30, 1938, it was situated in the central part of the city (Praça de Barbalho, Lat.  $12^{\circ} 58' S.$ , Long.  $38^{\circ} 32' W.$ ,  $H_b=64.06$  m.). On October 1, 1938, the station commenced to operate in the place where it is now situated, on the terrace on the building of the Airport of Ribeira in the northwestern part of the city, on one of the beaches of Todos os Santos ( $H_b=8.52$  m.). To correct to sea level, 5.3 mb., 7.5 mb., and 0.9 mb. respectively were added for the intervals given above.

## SÃO PAULO

## SITE.

The data up to December 1934 were obtained at the Observatory of Av. Paulista (Lat.  $23^{\circ} 34' S.$ , Long.  $46^{\circ} 41' W.$ ,  $H_b=808$  m.). From January 1935 to December 1940 the observations were made at the Astronomical Observatory (Lat.  $23^{\circ} 39' S.$ , Long.  $46^{\circ} 32' W.$ ,  $H_b=796$  m.).

## BRITISH GUIANA

## GEORGETOWN

## AUTHORITY.

Director, Department of Agriculture, British Guiana.

## CHILE

## AUTHORITY.

Oficina Meteorológica de Chile, Capt. Jorge Fernández, Director, Santiago.

## HOURS OF OBSERVATION.

The hours of observation have been changed in Chile, and no corrections are available for reducing the mean values to those published in World Weather Records, Smithsonian Misc. Coll., vols. 79 and 90.

## ISLA GUAFO

## PRESSURE.

The following values were used in the reduction of pressure to sea level:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
mb.	+12.5	+12.5	+12.6	+12.7	+12.7	+12.7	+12.8	+12.8	+12.8	+12.8	+12.7	+12.6

## PUNTA ARENAS (MAGALLANES)

## SITE.

The station was moved in April 1932 to the vicinity of the radio station at 8 m. height. The pressure at the old station for January, February, and March is reduced to this new height.

## SANTIAGO

## HOURS OF OBSERVATION.

The hours of observation of pressure and temperature have been changed, and no corrections are available for reducing the readings to 24-hour means as published in World Weather Records, Smithsonian Misc. Coll., vols. 79 and 90.

## COLOMBIA

## BOGOTA

## AUTHORITY.

Observatorio Nacional de San Bartolomé, Bogotá.

Continuation of observations published in World Weather Records, Smithsonian Misc. Coll., vols. 79 and 90.

## ECUADOR

## QUITO

## AUTHORITY.

Observatorio Astronomico y Meteorologico, Quito.

## PARAGUAY

## AUTHORITY.

Dirección de Meteorología, Capt. Teófilo Sánchez, Director, Asunción, Paraguay.

The Director writes: "The data sent are not so complete as desired owing to the fact that the meteorological service did not function officially until the year 1933, and the data obtainable earlier are from other sources and are not entirely comparable."

## PRESSURE.

The hours of observation of pressure as well as the  $H_b$  are different from those for the records published in Smithsonian Misc. Coll., vols. 79 and 90, and no corrections to pressure were attempted.—EDITOR.

## PRECIPITATION.

No data received from Misión Inglesa.

## PERU

## AUTHORITY.

Dirección General de Comunicaciones y Meteorología, Lima.

## SURINAM

## PARAMARIBO

## AUTHORITY.

Landbouwproefstation, Paramaribo. Prof. Dr. G. Stahel, Director of the Agricultural Experiment Station in Surinam, writes: "Dr. C. Braak of De Bilt calculated the correction from the ( $8^h + 14^h + 18^h$ ): 3 temperatures for the 24-hours average after a study of the thermograph records. He found  $-0.9^\circ$  C., and a recent comparison of the thermometers with meteorological thermometers received 4 years ago from De Bilt show that the corrected readings of the thermometers used must be about  $0.2^\circ$  too high. However, no normal thermometer is here in Surinam to state it exactly. Therefore,  $0.9^\circ + 0.2^\circ = 1.1^\circ$  C. is to be subtracted from the average daily temperatures to reduce them to the mean of 24 hours. The true average temperature for the year therefore is  $26.4^\circ$  C., the same as C. Braak gives for 1924-1933 (C. Braak, *The Climate of the Netherlands West Indies*, Koninklijk Nederlandsch Meteorologisch Instituut No. 102, *Mededeelingen en Verhandelingen* 36).

"We are now making a new meteorological station on the Panair landing field on the savannah of Zanderij, 146 km. south of Paramaribo. Here the white quartz soil is practically barren. The thermometers are placed here 230 cm. above the ground."

## VENEZUELA

### CARACAS

#### AUTHORITY.

Observatorio Cagigal.

#### PRECIPITATION.

This is a continuation of the data published on page 568 of World Weather Records, Smithsonian Misc. Coll., vol. 90.

## SOUTH ATLANTIC

### FALKLAND ISLANDS

#### CAPE PEMBROKE

#### AUTHORITY.

Meteorological Office, London, England.

#### HOURS OF OBSERVATION.

No hours given. The Réseau Mondial lists them as  $\frac{1}{8}(4^h + 8^h + 12^h + 16^h + 20^h + 24^h)$ . These data agree with that publication.

### STANLEY

#### AUTHORITY.

Data copied from the Meteorological Magazine, London, England.

## ST. HELENA

#### AUTHORITY.

Meteorological Magazine, London, England, to June 1, 1939; then from manuscript report from the Meteorological Office, London, England.

#### PRESSURE.

From June 1, 1939, through December 1940, 3.7 mb. was subtracted to allow for differences in assumed level of  $H_b$ .

#### SITE.

Height redetermined 1937.

## SOUTH GEORGIA

## GRYTVIKEN

## AUTHORITY.

Dirección General de Meteorología, Geofísica e Hidrología,  
Buenos Aires, Argentina.

## SITE.

The height of the barometer above mean sea level was changed to  
3 m. on June 22, 1938.

## SOUTH ORKNEYS

## LAURIE ISLAND

## AUTHORITY.

Dirección General de Meteorología, Geofísica e Hidrología,  
Buenos Aires, Argentina.

## SOUTH PACIFIC

## FIJI ISLANDS

## SUVA

## AUTHORITY.

The Harbour Master, Suva. Data copied from the Meteorological Magazine, London, England.

## SITE.

Height of cistern of barometer above mean sea level is 12 ft.  
(January 1932).

## PRESSURE.

Hours of observation changed from  $8\frac{1}{2}^h + 15\frac{1}{2}^h$  to  $8^h + 14^h$ , zone  
time, 12 hours fast on G.M.T., from January 1, 1935.

## PRECIPITATION.

Totals refer to 24 hours beginning at  $8^h$ .

## NEW ZEALAND

## AUCKLAND

## AUTHORITY.

Director, Meteorological Office, Wellington.

## SITE.

The observatory remains in Albert Park, the height of the enclosure being 160 ft. above mean sea level.

## CHRISTCHURCH

## SITE.

Observations are still made at the Magnetic Observatory, conditions of exposure of the instruments being unchanged.

## DUNEDIN

## PRESSURE.

The barometer was moved in December 1936 a distance of 13 mi. from the Post Office, where it had been located since 1913, to Taiaroa Head, with a new elevation of 246 ft. It appears that the pressure at Taiaroa Head is, on the average, 0.4 mb. lower than at the Post Office, probably owing to orography and the prevalence of strong southwesterly winds at the Head.

The thermometer screen and the rain gage continue at an elevation of 240 ft. at the Botanic Gardens site. Back rainfall records from 1913 to 1930 are published with the Additional Data.

The observation time was 9<sup>h</sup> throughout.

## HOKITIKA

## SITE.

The site of the observatory was unchanged, with the height of the rain gage 12 ft. above mean sea level.

## WELLINGTON

## SITE.

The Wellington Observatory which was at Thorndon, altitude 10 ft., from July 1912 to December 1927, was shifted in January 1928 to the present Meteorological Office site at Kelburn. This is on a ridge about half a mile from the former site, the altitude of the grassed enclosure containing the rain gage and Stevenson screen being 415 ft., while the barometer mounted within the office building is at an altitude of 394 ft. above mean sea level. Observations of pressure and of rainfall and the resetting of the extreme thermometers continue at 9<sup>h</sup> N.Z.M.T.

## NIUE ISLAND

## ALOFI

## AUTHORITY.

Meteorological Office, Wellington, New Zealand.



## SITE.

A Kew barometer has been in use, its height being 65 ft. above mean sea level.

The rain gage and thermometer screen have been 65 ft. above mean sea level, not 90 ft. as indicated previously. These were shifted on July 1, 1940, from the position near the Residency, a distance of approximately 150 yds., to the vicinity of the radio station. The altitude and conditions of exposure are unchanged.

## HOURS OF OBSERVATION.

Observations were made at 8<sup>h</sup> until August 13, 1939; thereafter at 7<sup>h</sup> 40<sup>m</sup> local time.

## SAMOA

## APIA

## AUTHORITY.

Apia Observatory, H. Bruce Sapsford, Acting Director, Apia.

## TEMPERATURE.

Since 1933 the thermograph has been in a new Stevenson screen of approved pattern at a height of 4 ft. above the ground. The readings of the thermograph have been corrected by control thermometers which are still exposed in the old screen at a height of 1.75 m. The hourly temperature readings are still therefore in terms of readings at the old height.

## PRECIPITATION.

The rain gage height is now 0.65 m.; it was previously shown as 0.75 m. The cause of the change is unknown—possibly a general elevation of the ground due to wind-blown sand. The height of 0.65 m. has been fairly constant during the last 3 years.

## EXPOSURE OF THERMOMETERS IN SAMOA (Air Department, New Zealand, Meteorological Office Note No. 25).

The first thermometer screen at the Apia Observatory was erected toward the end of 1902. The site chosen was about 30 ft. from the seashore and toward the northern edge of a cleared space, about 100 ft. in diameter, which was level and fringed with young, low coconut palms. When the screen was replaced, the new one was erected on the same spot, and hence the original site is still in use today. The surroundings, however, have been altered to some extent since 1902. At first new coconut trees were allowed to grow nearby, about 20 ft.

to the eastward, but later an effort was made to control possible alteration of the exposure due to their growth. In more recent years this policy had to be abandoned, and trees were gradually removed because some became so high that trimming would no longer suffice to prevent sheltering of the sunshine recorder and rain gages, while others were an obstruction to the erection of new buildings. Whereas the palms partly shaded the screen for many hours of the day during the first 10 or 20 years, those that are left now are some distance to the south and provide no protection from the sun at all. The distance from the coast has altered also, the shore line having built out with the gradual deposition of sand, until now the screen is 50 ft. from it. Another factor which may have had a slight influence on the exposure is the increase in the number of wooden buildings 60 ft. to 80 ft. to the east of the site.

The original screen, photographs of which were printed in another publication, was an "English" one built in Göttingen and brought to Samoa by Dr. Otto Tetens. The inner space of this screen was 3 ft. wide, 2 ft. deep, and a little over 3 ft. high. Double louvres were fitted on the eastern and western sides, but the doors on the front and back had only single ones until 1905, when Dr. Linke had them fitted with a second inner set. The roof was double, the outer one sloping up to the south at an angle of about  $15^\circ$ . Air slits in the bottom facilitated circulation inside the screen, which was mounted on wooden posts 6 ft. high.

The readings of the thermometers in this screen, which had no auxiliary protection, were compared with those of an Assmann psychrometer at 7 a. m., 2 p. m., and 9 p. m., at the time of the year when the most adverse conditions for the recording of true temperatures were thought to obtain. The mean corrections to the screen readings were 0.00,  $-0.26$ , and  $+0.02^\circ$  C., respectively.

Sometime after 1908, but before 1920, the screen just described was replaced by one of a different type. The design of the latter, in which the standard set of thermometers are still exposed, was evidently considered to be more suitable for the tropical climate. It consists of a louvered box or cupboard, the clear internal dimensions of which are: height, 20 in.; width,  $20\frac{1}{2}$  in.; and depth,  $17\frac{1}{2}$  in.

Since August 1932 a second set of thermometers have been exposed in a Stevenson screen of approved pattern.

Reference to the mid-temperature, defined as  $\frac{1}{2}(\text{Max.} + \text{Min.})$ , shows that, on the whole, temperatures recorded in the Stevenson screen are slightly higher than those in the tropical.

## TAHITI

## PAPEETE

## AUTHORITY.

Service Météorologique des Etablissements français de l'Océanie,  
Papeete.

## NOTE.

"The series of measurements made at Papeete (Observatoire du Faïere) from 1935 to 1940 is homogeneous. The instruments were not subject to any change. The observatory is situated on a small hill overlooking the town at a height of 92 m. Most of the instruments have been placed in a clearing; at a distance there are trees and houses. We possess a certain number of data before 1935, but we have not up to the present determined with exactitude the different corrections."—J. L. GIOVANNELLI, Ingénieur Météorologiste, Chef de Service Météorologique des E. F. O.

## ADDITIONAL DATA

## CARIBBEAN AREA, PRECIPITATION

## AUTHORITY.

United Fruit Company, H. Rowe, Vice President, Boston, Mass.

## DATA.

"Rainfall data are taken from the banana-producing areas only in each of these countries. Of course for Cuba it is from the sugar-producing area.

"The data are not records of an individual station in each country. If they were, we could give you the latitude and longitude of such stations. However, it is the average of a good many stations scattered throughout the entire producing area. The number, as well as the location, of these stations varies from year to year."—H. ROWE.



## 2. DATA

### AFRICA

#### BOUZARÉAH,\* ALGIERS

Lat. 36°48' N. Long. 3°2' E. H<sub>b</sub> = 342 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES)  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	32.5	31.2	29.2	29.6	31.2	32.9	31.7	31.6	32.3	33.3	32.5	34.7	31.9
1932	39.1	31.8	29.8	31.2	32.1	31.7	34.7	32.6	31.9	32.2	33.0	33.9	32.8
1933	32.5	30.9	32.8	32.5	31.4	30.2	33.7	33.1	31.6	32.0	28.0	29.3	31.5
1934	37.4	34.6	28.7	29.3	31.8	31.8	31.8	31.2	33.6	34.0	31.7	33.3	32.4
1935	33.0	33.2	33.1	25.8	29.7	32.9	32.8	31.0	33.2	31.6	31.8	29.9	31.5
1936	31.8	27.1	29.0	29.7	28.6	33.4	32.8	33.3	32.9	32.7	31.0	36.3	31.5
1937	34.9	32.9	29.1	30.8	32.6	32.2	32.0	31.2	31.4	30.3	32.3	30.9	31.7
1938	35.4	36.1	37.0	31.2	31.5	33.3	32.6	30.6	32.0	32.7	34.3	29.5	33.0
1939	32.1	33.5	31.3	30.2	29.4	31.5	32.4	31.3	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	34.9	32.3	31.1	30.0	30.9	32.1	32.7	31.8	32.4	32.3	31.8	32.2	†32.0

#### TEMPERATURE IN DEGREES C.

Means of (see NOTES)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.3	8.4	14.1	13.8	17.5	23.4	23.7	24.0	20.2	17.6	14.6	9.5	16.4
1932	10.1	8.6	11.8	13.4	16.7	17.6	21.1	24.2	22.4	18.0	14.6	12.5	15.9
1933	9.6	10.6	11.8	15.4	18.4	20.1	22.9	24.9	23.5	20.6	12.4	9.2	16.6
1934	8.1	9.3	9.9	13.5	16.5	20.5	23.7	23.0	21.4	17.3	13.0	13.0	15.8
1935	7.6	9.9	10.8	15.0	14.9	21.3	24.4	24.3	22.8	16.7	14.1	11.8	16.1
1936	12.8	13.0	12.1	14.6	16.2	19.1	23.2	22.3	23.2	15.8	13.4	9.5	16.3
1937	11.3	12.2	12.1	14.2	16.3	20.3	23.1	23.9	21.0	17.6	16.2	9.9	16.5
1938	9.4	8.0	10.6	11.8	15.0	22.7	23.4	23.2	20.8	18.0	14.3	10.2	15.6
1939	11.5	9.6	10.0	12.4	14.1	18.8	22.5	22.1	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	10.1	9.9	11.5	13.8	16.2	20.4	23.1	23.5	21.9	17.7	14.1	10.7	†16.1

#### TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	135.9	178.6	82.8	53.8	0.0	1.5	0.0	1.4	58.1	83.6	78.6	175.4	849.7
1932	58.6	130.5	35.8	40.2	8.8	6.5	0.2	1.4	43.6	48.4	85.6	94.3	553.9
1933	101.5	102.2	49.9	13.4	8.6	20.1	0.0	0.0	44.2	3.8	228.2	226.8	798.7
1934	148.8	121.3	130.3	29.1	93.4	0.0	0.0	66.2	135.8	116.8	68.1	35.6	945.4
1935	157.7	25.2	68.9	67.2	71.0	1.7	0.0	6.3	8.8	184.0	315.6	73.8	980.2
1936	35.2	123.3	152.2	56.8	120.0	0.0	0.0	0.5	11.6	232.6	107.5	254.2	1143.9
1937	30.4	10.0	42.1	21.0	21.7	1.3	0.0	0.4	54.7	34.6	48.8	187.2	452.2
1938	71.7	48.1	20.5	24.4	87.5	7.9	4.0	0.4	40.3	81.8	145.9	148.4	680.9
1939	56.5	110.9	63.3	232.1	20.9	45.1	0.0	31.9	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	88.5	94.5	71.8	59.8	48.0	9.3	0.5	12.1	49.6	104.4	134.8	149.5	†822.7

\* See NOTES, p. 3.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## KHARTOUM,\* ANGLO-EGYPTIAN SUDAN

Lat. 15°37' N. Long. 32°33' E. H<sub>p</sub> = 390 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(8^h + 14^h + 20^h)$ , 30th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.1	24.3	24.5	22.7	22.8	23.4	23.1	24.1	23.5	23.9	24.4	26.1	24.0
1932	26.5	25.1	23.8	22.7	23.3	22.7	22.8	23.5	23.5	23.1	24.6	26.0	24.0
1933	24.7	23.8	23.0	23.2	22.8	22.4	23.7	24.0	23.7	23.0	23.8	24.8	23.6
1934	25.7	25.6	22.7	22.5	22.4	23.0	23.4	24.2	23.5	23.4	24.6	26.3	23.9
1935	25.2	25.4	22.6	23.3	22.8	22.7	23.5	23.8	23.3	23.2	25.3	25.7	23.9
1936	26.6	24.8	23.1	22.9	21.5	22.9	24.1	24.0	23.6	23.5	24.5	25.3	23.9
1937	26.2	24.6	23.2	22.1	22.6	22.2	22.9	23.4	23.0	22.9	24.4	24.5	23.5
1938	24.7	24.5	24.3	20.8	21.4	22.8	23.4	22.8	23.5	23.4	24.7	24.3	23.4
1939	25.2	24.1	22.5	21.9	21.6	22.5	22.9	23.4	23.5	22.4	24.7	26.0	23.4
1940	25.2	24.9	24.8	22.4	22.0	22.1	23.7	23.9	22.9	23.4	24.2	25.4	23.7
Mean	25.5	24.7	23.4	22.4	22.3	22.7	23.4	23.7	22.4	23.2	24.5	25.4	23.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.8 m.Means of  $\frac{1}{4}(8^h + 14^h + 20^h + \text{Min.})$  corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.2	25.9	28.4	31.8	33.7	35.1	32.7	29.7	32.2	32.5	28.4	25.0	30.0
1932	23.3	24.5	28.1	31.9	33.1	34.0	30.9	29.7	31.3	32.2	28.0	23.8	29.2
1933	25.3	26.1	29.6	30.5	34.1	33.8	31.9	29.5	31.0	32.1	29.6	25.9	30.0
1934	23.8	23.1	28.7	31.9	33.5	32.1	30.9	30.0	32.0	33.0	29.0	23.3	29.3
1935	25.4	24.1	30.3	30.6	32.8	33.3	32.0	29.4	31.6	32.5	27.1	25.2	29.5
1936	22.3	25.8	29.9	32.3	35.6	34.1	31.4	30.0	31.9	32.8	29.3	25.1	30.0
1937	21.6	25.4	27.6	31.5	33.3	34.3	31.1	30.3	32.1	33.1	28.0	26.4	29.6
1938	24.3	26.3	26.4	33.9	34.4	33.5	29.9	28.5	30.4	32.1	28.6	25.7	29.5
1939	24.3	25.3	28.9	32.3	34.9	34.8	32.6	31.6	31.9	32.9	28.8	26.9	30.4
1940	24.3	25.2	26.8	33.1	34.9	35.8	32.0	31.5	33.9	33.2	28.4	27.0	30.5
Mean	24.0	25.2	28.5	32.0	34.0	34.1	31.5	30.0	31.8	32.6	28.5	25.4	29.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0	0	0	0	0	2	2	175	10	16	0	0	205
1932	0	0	0	1	0	3	51	81	56	0	0	0	192
1933	0	0	0	0	5	17	10	88	5	1	0	0	126
1934	0	0	0	0	13	60	36	62	54	0	3	0	228
1935	0	0	0	0	0	37	21	160	7	0	0	0	225
1936	0	0	0	0	2	4	18	84	10	4	0	0	122
1937	0	0	0	21	8	6	52	24	5	2	0	0	113
1938	0	0	0	0	0	0	159	162	61	0	0	0	332
1939	0	0	0	4	12	0	19	43	18	23	0	0	119
1940	0	0	0	1	5	8	90	38	1	6	0	0	149
Mean	0	0	0	3	4	14	46	92	23	5	0	0	187

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.1	8.7	8.6	5.6	4.8	5.7	5.7	7.5	6.2	6.9	8.3	11.4	7.4
1932	12.3	10.2	7.6	5.6	6.1	4.9	5.6	6.6	6.3	6.0	8.7	11.4	7.6
1933	9.4	8.0	6.2	6.5	5.1	4.6	6.6	7.4	6.7	5.7	7.3	9.3	6.9
1934	11.1	11.1	6.1	5.3	4.6	5.4	6.3	7.6	6.3	6.1	8.6	11.9	7.5
1935	10.2	10.7	5.7	6.5	5.3	4.9	6.3	7.1	6.1	6.1	9.8	10.7	7.5
1936	12.7	9.4	6.3	5.7	3.0	5.3	7.3	7.3	6.5	6.2	8.3	10.3	7.2
1937	11.4	9.3	7.0	4.7	4.8	4.2	5.7	6.5	5.6	5.4	8.4	8.7	6.8
1938	9.6	8.9	8.7	2.5	3.1	5.1	6.2	6.0	6.6	6.2	8.7	8.7	6.7
1939	10.1	8.7	5.8	4.2	3.3	4.6	5.4	6.2	6.3	4.7	8.7	10.9	6.6
1940	10.1	9.7	9.3	4.8	3.6	3.8	6.6	6.9	5.1	6.1	8.0	10.0	7.0
Mean	10.7	9.5	7.1	5.1	4.4	4.9	6.2	6.9	6.2	5.9	8.5	10.3	7.1

\* See NOTES, p. 3.

## MAYALAPYE,\* BECHUANALAND PROTECTORATE

Lat. 23°6' S. Long. 26°40' E. H = 3,296 ft.

TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	76.1	79.7	74.2	66.0	61.8	54.2	56.1	60.8	67.9	74.3	73.5	82.2	68.9
1932	77.9	77.7	72.5	67.7	59.1	55.0	52.4	58.8	70.2	74.8	78.8	78.8	68.8
1933	78.2	77.5	75.4	68.6	62.8	54.8	57.6	60.6	65.9	77.2	75.0	74.8	69.0
1934	77.3	74.4	75.2	70.1	63.4	56.5	58.1	64.4	65.6	75.5	76.6	76.3	69.4
1935	78.8	74.0	74.6	69.0	61.0	53.1	57.4	55.7	69.2	77.3	76.0	77.6	68.6
1936	78.3	75.7	72.0	65.6	60.9	55.2	54.5	60.4	62.3	73.3	74.9	76.5	67.6
1937	76.6	74.3	73.2	67.7	61.4	55.7	52.5	59.2	61.5	74.7	78.6	75.2	68.0
1938	77.8	75.1	75.1	71.8	63.0	55.7	56.1	60.8	68.1	76.3	75.8	77.6	69.4
1939	78.8	73.3	72.3	69.9	62.3	54.0	54.8	60.9	65.1	75.5	73.4	76.7	68.3
1940	78.9	74.4	74.4	67.7	61.0	56.3	54.5	63.7	69.9	71.2	77.6	77.6	68.3
Mean	77.9	75.6	73.9	68.4	61.7	55.0	55.4	60.5	66.6	75.0	76.0	77.3	68.7

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5.24	1.32	5.14	1.67	0.00	0.00	0.06	0.00	0.00	0.82	6.75	0.54	21.54
1932	3.26	1.72	4.72	2.80	0.22	0.00	0.00	0.00	0.02	0.18	0.63	2.22	15.77
1933	4.29	1.81	0.89	0.13	0.00	0.00	0.00	0.00	0.91	0.00	3.85	2.83	14.71
1934	5.00	3.63	1.30	0.73	0.48	0.01	0.00	0.03	0.00	0.21	2.24	7.74	21.37
1935	0.64	2.06	1.10	0.25	0.36	0.00	0.00	0.00	0.86	0.10	0.00	2.05	7.42
1936	5.23	2.45	6.25	0.28	0.91	0.00	0.00	0.00	0.00	2.61	5.04	2.16	24.93
1937	2.88	6.11	2.08	0.17	0.00	0.00	0.00	0.00	0.14	3.03	0.33	7.24	21.98
1938	3.27	1.76	2.05	2.52	0.00	0.11	0.00	0.07	0.02	0.31	2.09	3.53	15.73
1939	3.77	6.85	1.61	0.05	0.30	0.00	0.66	0.10	0.64	0.05	5.45	1.72	21.20
1940	1.61	0.71	4.35	2.24	0.06	1.96	0.00	0.00	2.16	0.07	1.63	9.80	24.59
Mean	3.52	2.84	2.95	1.08	0.23	0.21	0.07	0.02	0.47	0.74	2.80	3.98	18.92

\* See ADDITIONAL DATA, p. 593.

## ZANZIBAR (CHUKWANI),\* EAST AFRICA

Lat. 6°15' S. Long. 39°13' E. H<sub>b</sub> = 69 ft.†PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	7.5	6.8	7.7	9.0	11.6	14.8	13.3	14.3	12.8	12.5	9.0	8.5	10.7
1932	8.8	7.8	8.0	9.2	12.0	13.4	13.7	13.4	12.4	11.8	10.0	8.6	10.8
1933	7.6	6.9	7.8	8.8	11.7	13.3	15.4	14.5	14.2	11.5	9.4	8.0	10.8
1934	7.7	7.0	7.2	9.5	11.8	13.6	14.4	15.1	14.0	12.0	9.2	8.2	10.8
1935	8.2	7.8	8.1	8.8	11.1	12.8	15.3	14.2	12.7	11.7	10.0	8.4	10.8
1936	7.6	7.5	7.5	9.7	10.8	13.7	15.2	14.5	13.3	11.3	9.7	7.8	10.7
1937	7.1	7.2	6.7	8.9	11.5	13.4	14.2	14.3	13.1	12.0	9.2	8.4	10.5
1938	7.3	7.7	6.7	8.5	10.6	14.0	13.8	13.1	13.3	11.6	10.0	7.6	10.3
1939	7.7	6.9	6.3	8.8	11.1	13.9	13.8	14.2	13.3	11.2	9.0	9.3	10.4
1940	7.5	8.0	8.2	10.5	10.8	13.8	15.5	14.8	13.7	12.1	8.8	9.4	11.1
Mean	7.7	7.4	7.4	9.2	11.3	13.7	14.5	14.2	13.3	11.8	9.4	8.4	10.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 4 ft.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.7	27.9	27.9	26.9	26.0	25.4	25.2	25.1	25.1	25.7	27.1	27.1	26.4
1932	27.3	27.1	27.3	26.9	26.1	25.4	24.5	24.8	25.1	25.7	26.8	26.8	26.1
1933	26.8	27.4	27.9	27.9	26.1	25.0	24.5	24.2	24.4	25.1	26.0	26.5	26.0
1934	26.5	27.3	27.5	26.8	25.6	25.0	24.2	24.0	24.3	25.2	26.8	26.8	25.8
1935	27.1	27.2	27.4	26.9	25.4	24.9	24.1	23.7	24.7	25.5	26.6	27.0	25.9
1936	27.2	27.2	27.9	26.5	26.0	25.2	24.8	24.3	24.8	26.1	26.9	27.1	26.2
1937	27.4	28.2	27.6	26.6	26.0	25.5	24.7	24.5	25.0	25.7	26.6	26.7	26.2
1938	27.5	27.9	27.4	26.7	26.1	25.2	24.7	24.4	24.8	25.4	25.8	26.4	26.0
1939	27.2	27.7	27.3	26.7	25.5	25.1	24.4	24.1	24.6	25.7	26.9	27.5	26.1
1940	27.4	28.0	27.3	26.2	26.6	25.5	24.9	25.0	25.2	26.0	27.1	27.6	26.4
Mean	27.2	27.6	27.6	26.8	25.9	25.2	24.6	24.4	24.8	25.6	26.7	26.9	26.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.64	7.17	2.86	10.44	18.78	0.79	0.88	0.60	1.46	1.70	4.51	4.26	55.09
1932	2.08	6.63	6.46	15.34	7.13	1.60	0.01	0.12	2.10	0.36	2.38	6.83	51.04
1933	4.08	3.41	1.36	6.80	6.01	0.59	1.06	1.76	0.76	3.42	9.99	5.89	45.13
1934	0.82	0.38	4.00	11.60	18.64	8.76	3.86	1.63	0.40	1.20	2.58	7.03	60.90
1935	1.51	5.14	6.66	9.33	17.07	5.11	0.21	2.65	2.74	0.94	8.34	6.54	66.24
1936	3.74	4.25	3.20	15.39	7.80	6.62	0.00	1.82	2.01	0.14	7.79	6.45	59.21
1937	0.44	0.46	8.59	14.01	7.51	0.46	0.15	2.06	0.78	4.50	10.11	4.14	53.21
1938	2.24	1.03	12.56	18.73	10.48	0.83	0.28	0.62	2.14	5.72	8.66	7.15	70.44
1939	2.64	0.34	8.33	3.75	26.97	1.65	0.98	0.93	2.61	0.13	4.17	1.99	54.49
1940	4.17	3.99	5.97	34.47	7.12	0.71	1.78	0.75	0.94	4.18	2.37	4.50	70.95
Mean	2.34	3.28	6.00	13.99	12.75	2.71	0.92	1.29	1.59	2.23	6.09	5.48	58.67

\* See NOTES, p. 4.

† Add + 0.4 mb. to reduce to level of old station at 56 ft.





## ALEXANDRIA (KÔM EL NADÛRA),\* EGYPT

Lat. 31°12' N. Long. 29°53' E. H<sub>b</sub> = 32 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{4}(8^h+14^h+20^h)$ , corrected to means of 24 hours, 30th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.0	58.8	60.0	57.8	57.5	56.9	53.3	53.6	56.9	60.4	61.5	62.7	58.3
1932	62.4	60.3	60.0	60.2	58.7	57.2	53.5	55.1	56.8	58.4	60.4	63.1	58.8
1933	61.7	58.4	59.1	59.2	57.8	56.2	55.7	55.4	57.6	60.8	60.4	60.1	58.5
1934	62.0	61.0	58.7	57.5	57.9	56.6	54.4	55.0	57.9	60.2	61.1	58.9	58.4
1935	59.7	59.0	58.3	58.2	57.6	55.5	54.4	54.5	56.5	58.3	60.2	60.2	57.7
1936	61.0	56.8	59.0	58.0	54.8	56.7	53.9	54.9	57.9	59.3	59.6	60.7	57.7
1937	61.7	59.0	59.9	57.6	58.4	56.4	53.6	54.3	57.1	58.3	58.6	61.4	58.0
1938	58.9	60.5	60.3	57.4	58.2	56.1	53.5	53.9	57.0	59.1	60.5	58.7	57.8
1939	61.1	59.7	56.9	57.2	57.1	55.9	54.2	54.9	56.9	58.6	59.5	61.9	57.3
1940	58.3	59.0	59.9	57.6	57.1	56.0	55.0	55.9	58.2	59.1	60.1	61.2	58.1
Mean	60.7	59.2	59.2	58.1	57.5	56.4	54.2	54.8	57.3	59.2	60.2	60.9	58.1

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.7 m.Means of  $\frac{1}{4}(8^h+14^h+20^h+\text{Min.})$ , corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.1	14.8	17.4	18.6	21.1	24.3	26.2	27.0	26.3	24.1	19.9	16.6	21.0
1932	14.3	14.8	17.0	18.6	20.8	24.3	25.9	26.1	25.8	25.3	21.0	16.8	20.9
1933	14.5	15.9	16.2	17.2	20.5	23.8	24.8	25.5	24.1	22.5	21.4	16.7	20.3
1934	14.4	12.5	17.1	18.6	22.0	24.3	25.6	26.2	25.2	23.5	21.4	16.6	20.6
1935	14.3	15.4	16.7	19.0	22.3	24.9	25.6	26.1	25.2	23.8	19.4	16.5	20.8
1936	16.1	15.6	17.9	19.8	21.3	23.5	26.2	27.0	24.9	24.6	21.0	14.9	21.1
1937	13.3	15.9	17.2	19.5	21.5	24.2	26.2	26.9	26.5	24.6	21.5	17.5	21.2
1938	14.5	14.1	15.6	18.4	21.1	23.5	26.0	27.4	25.9	23.9	19.6	16.4	20.5
1939	15.2	15.3	16.3	19.2	22.9	23.6	26.0	26.7	26.4	25.2	20.9	17.3	21.2
1940	14.3	15.5	16.8	19.3	21.3	24.5	25.7	26.2	25.4	24.7	21.1	15.5	20.9
Mean	14.6	15.0	16.8	18.8	21.5	24.1	25.8	26.5	25.6	24.2	20.7	16.5	20.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4	4	1	4	0	0	0	0	0	0	6	14	33
1932	101	18	0	0	3	0	0	0	0	9	69	51	251
1933	10	12	4	1	2	0	0	0	1	0	0	58	88
1934	34	52	0	2	11	0	0	0	0	0	4	100	203
1935	41	38	9	1	0	0	0	0	0	2	37	14	142
1936	3	15	0	0	12	0	0	0	0	0	27	66	123
1937	62	4	0	6	0	0	0	0	0	26	25	27	150
1938	61	40	14	2	0	0	0	0	1	0	82	28	223
1939	24	17	12	0	1	0	0	0	0	0	7	14	75
1940	74	44	6	3	0	0	0	0	0	5	21	46	199
Mean	41	24	5	2	3	0	0	0	0	4	23	42	149

\* See NOTES, p. 5.

## HELWAN,\* EGYPT

Lat. 29°52' N. Long. 31°20' E. H<sub>b</sub> = 115.6 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 30th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.7	51.4	52.1	49.4	49.0	48.3	45.1	45.7	48.8	51.9	53.2	55.1	50.2
1932	54.9	52.7	52.0	51.8	50.1	48.7	45.4	46.8	48.5	50.2	52.5	54.9	50.7
1933	53.9	50.6	50.9	51.0	49.3	48.0	47.4	47.3	49.2	52.3	52.4	52.7	50.4
1934	54.3	53.5	50.5	49.1	49.1	48.1	46.3	46.8	49.5	51.8	52.6	52.1	50.3
1935	52.8	52.4	50.5	50.4	49.0	47.3	46.5	46.6	48.5	50.2	52.7	53.2	50.0
1936	53.7	50.0	50.9	50.2	46.7	48.5	46.0	46.8	49.9	51.0	51.9	53.5	49.9
1937	54.8	51.9	51.8	49.5	50.0	48.2	45.6	46.5	49.0	50.4	51.1	53.9	50.2
1938	52.1	53.1	52.4	49.2	49.8	47.8	45.5	46.0	49.0	51.1	52.6	51.7	50.0
1939	53.7	52.1	49.8	49.0	48.8	47.7	46.3	47.3	49.1	50.5	52.0	54.8	50.1
1940	51.6	51.8	52.3	49.7	48.8	48.0	47.1	48.0	50.3	51.4	52.6	54.6	50.5
Mean	53.4	52.0	51.3	49.9	49.1	48.1	46.1	46.8	49.2	51.1	52.4	53.6	50.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2.0 m.Means of  $\frac{1}{4}(8^h + 14^h + 20^h + \text{Min.})$ , corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.8	14.6	19.2	21.8	24.9	27.2	29.0	29.0	27.3	24.1	18.6	14.9	22.0
1932	12.9	14.8	18.1	20.5	24.0	27.9	29.3	28.1	26.5	25.8	20.0	14.9	21.9
1933	13.2	16.4	17.6	19.0	24.7	29.4	27.4	27.0	24.5	22.3	22.5	16.5	21.7
1934	13.6	12.4	19.0	22.0	25.7	28.4	28.0	28.3	25.8	24.4	21.0	15.3	22.0
1935	14.1	15.3	18.2	21.8	27.1	28.5	27.7	27.7	25.9	24.6	17.8	15.2	22.0
1936	15.0	16.3	19.0	22.6	25.3	27.1	29.0	28.2	24.9	26.0	20.8	13.3	22.3
1937	11.8	15.6	18.5	22.2	24.9	26.7	28.5	28.1	27.2	24.3	20.5	15.7	22.0
1938	13.4	13.2	15.2	20.8	24.2	26.0	28.8	28.6	26.0	23.4	18.3	15.4	21.1
1939	13.8	14.2	17.2	21.5	27.5	27.3	28.4	27.9	27.4	25.4	19.3	16.1	22.2
1940	13.5	15.4	17.0	22.0	25.5	28.4	28.3	26.9	25.6	24.9	19.2	13.8	21.7
Mean	13.5	14.8	17.9	21.4	25.4	27.7	28.4	28.0	26.1	24.5	19.8	15.1	21.9

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0	7	0	0	0	0	0	0	0	1	1	0	9
1932	4	0	0	0	0	0	0	0	0	0	1	1	6
1933	5	8	0	0	0	0	0	0	0	0	2	0	15
1934	8	0	0	0	4	0	0	0	0	0	0	2	14
1935	0	0	0	0	0	0	0	0	0	0	1	0	1
1936	0	3	0	0	0	0	0	0	0	1	6	4	14
1937	2	2	0	3	0	0	0	0	0	23	0	0	30
1938	7	2	3	0	0	0	0	0	0	0	8	1	21
1939	0	10	7	0	0	0	0	0	0	0	8	0	25
1940	1	3	8	12	0	0	0	0	0	2	0	0	21
Mean	3	4	1	2	0	0	0	0	0	3	3	1	16

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.5	15.6	16.3	11.5	11.8	10.7	6.2	7.1	11.4	15.6	17.9	20.7	13.6
1932	20.4	17.5	16.2	15.8	13.4	11.4	6.6	8.7	11.0	13.3	16.8	20.4	14.3
1933	19.0	14.0	14.9	15.0	12.2	10.2	9.4	9.4	12.0	16.3	16.4	17.3	14.2
1934	19.5	18.6	14.2	12.2	11.9	10.5	7.9	8.7	12.3	15.5	16.9	16.6	13.7
1935	17.6	16.8	14.2	14.0	11.6	9.4	8.2	8.4	11.0	13.4	17.2	18.0	13.3
1936	18.7	13.7	14.9	13.6	8.7	11.0	7.5	8.7	12.9	14.5	15.9	18.4	13.2
1937	20.4	16.2	15.9	12.6	13.1	10.7	7.0	8.2	11.5	13.7	15.0	18.9	13.6
1938	16.6	17.5	16.8	12.3	12.9	10.2	6.9	7.5	11.6	14.7	17.1	15.9	13.8
1939	18.7	16.6	13.4	12.0	11.4	10.0	7.9	9.3	11.6	13.7	16.2	20.2	13.4
1940	15.9	16.0	16.7	12.9	11.5	10.3	8.9	10.2	13.4	15.1	17.1	20.0	14.0
Mean	18.4	16.3	15.4	13.2	11.9	10.5	7.7	8.6	11.9	14.6	16.7	18.6	13.7

\* See NOTES, p. 5.

## CAPE ST. MARY,\* GAMBIA

Lat. 13°29' N. Long. 16°40' W. H = 52.31 ft.

TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	73.2	72.9	73.7	75.0	74.2	78.1	79.6	81.7	80.0	83.1	79.1	74.1	77.0
1932	75.0	73.0	88.0	75.0	78.0	82.0	81.0	79.0	80.0	82.0	77.0	70.0	78.4
1933	73.0	74.0	75.0	77.0	75.0	79.0	79.0	79.0	80.0	78.0	75.0	65.0	75.9
1934	68.0	68.0	68.0	70.0	71.0	74.0	77.0	76.0	74.0	77.0	74.0	72.0	72.4
1935	72.6	72.2	70.9	73.3	75.0	79.3	80.9	77.6	79.4	76.6	75.1	75.7	75.7
1936	76.3	72.6	74.4	75.2	76.5	81.9	74.6	79.0	82.8	84.7	79.1	76.9	77.9
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.46	0.00	0.00	0.14	2.45	8.76	4.36	16.29	1.16	0.00	0.00	33.62
1932	0.00	0.00	0.00	0.00	0.05	3.34	8.33	25.81	8.76	1.32	0.00	0.00	47.61
1933	0.00	0.00	0.00	0.00	0.00	3.07	16.20	13.20	5.23	5.21	0.37	0.00	43.28
1934	0.00	0.00	0.00	0.00	0.00	1.04	6.37	25.22	8.39	1.19	0.00	0.00	42.21
1935	0.80	0.00	0.00	0.00	0.03	2.88	15.09	18.31	11.21	2.92	0.00	0.00	51.24
1936	0.00	0.00	0.00	0.00	0.07	4.08	11.70	25.39	12.37	2.71	0.67	0.00	56.99
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 6.

## ACCRA,\* GOLD COAST

Lat. 5°32' N. Long. 0°12' W. H = 45 ft.

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	82.5	83.6	84.1	83.8	83.2	80.0	77.8	77.0	78.4	80.5	80.8	81.8	81.0
1932	80.6	81.7	80.5	82.7	81.9	78.2	75.9	75.1	75.1	78.9	81.2	81.5	79.4
1933	81.0	81.5	82.0	82.8	82.0	79.2	78.4	77.5	78.4	80.0	81.6	81.1	80.5
1934	80.9	82.0	82.4	82.5	82.4	84.6	78.2	76.7	77.3	79.6	81.9	80.9	80.8
1935	85.0	81.2	82.0	82.4	76.5	79.1	77.1	75.2	76.0	80.3	82.6	81.7	79.9
1936	81.5	81.3	81.0	80.6	79.7	76.7	74.6	72.8	75.6	78.4	80.3	79.4	78.5
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.27	2.11	3.46	4.41	5.90	5.64	0.32	0.76	0.73	2.84	3.63	0.00	31.07
1932	0.00	0.00	4.07	3.28	7.17	7.02	0.16	0.02	6.65	6.33	0.76	0.01	30.39
1933	0.93	4.80	3.20	2.85	3.23	8.11	2.86	0.87	0.54	5.74	1.82	0.53	35.51
1934	0.87	0.00	3.94	2.02	6.98	4.33	4.00	1.39	3.24	0.58	0.72	0.75	28.32
1935	0.62	0.36	3.30	2.23	5.52	9.19	2.52	1.19	0.89	0.63	1.11	0.66	28.32
1936	0.72	0.82	1.57	4.32	3.30	7.86	0.12	0.00	2.06	1.53	2.39	1.46	26.13
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 6.

## NAIROBI (KABETE),\* KENYA

Lat. 1°16' S. Long. 36°48' E. H<sub>0</sub> = 5,971 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours

800 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.9	20.6	21.6	21.2	21.8	23.4	22.3	22.8	21.6	22.0	20.7	21.1	21.7
1932	21.1	20.5	20.4	21.0	22.5	23.0	22.2	21.7	23.0	21.1	21.1	20.8	21.5
1933	19.9	19.8	20.0	20.6	21.7	22.1	22.8	22.2	22.2	20.8	20.3	19.9	21.0
1934	19.3	18.9	18.9	20.0	21.2	22.0	22.0	22.7	21.9	21.4	20.7	20.4	20.8
1935	20.5	20.1	20.1	20.3	21.3	21.9	23.0	22.1	21.5	21.0	20.7	20.2	21.1
1936	20.0	20.3	20.4	20.7	21.1	22.6	23.2	22.4	21.7	21.0	20.8	19.8	21.2
1937	19.4	19.5	18.9	19.8	21.2	21.7	21.6	22.0	21.0	21.0	20.0	19.7	20.5
1938	19.6	20.0	18.5	19.4	20.3	22.0	21.4	20.7	21.0	20.3	20.0	18.9	20.2
1939	19.5	18.5	17.9	19.6	20.5	21.8	21.6	21.9	21.3	20.3	20.8	21.6	20.4
1940	20.1	20.4	20.4	21.3	21.6	22.9	23.5	23.1	22.4	21.9	20.3	21.6	21.6
Mean	20.0	19.9	19.7	20.4	21.3	22.3	22.3	22.2	21.6	21.1	20.5	20.4	21.0

*Additional values.*

1929	20.4	20.3	20.0	20.8	22.1	23.0	23.1	22.8	22.1	21.2	20.6	20.0	21.4
1930	20.4	20.9	20.5	20.7	23.3	22.4	23.1	23.1	22.5	22.6	22.6	21.3	22.0

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 4 ft.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.5	18.6	18.3	17.8	16.9	15.6	15.5	15.2	16.2	17.6	17.1	16.6	16.9
1932	17.1	17.7	17.6	17.3	16.3	15.5	14.8	15.2	16.8	17.6	17.2	16.6	16.6
1933	16.7	18.1	18.9	18.9	17.6	16.5	15.1	14.9	15.6	16.8	16.7	16.4	16.9
1934	17.6	18.8	19.0	18.2	16.3	15.6	15.4	15.0	16.6	17.6	17.7	17.5	17.1
1935	18.4	18.0	18.6	18.0	17.1	15.9	14.8	15.1	16.7	17.1	17.2	17.1	17.0
1936	17.2	18.2	17.8	17.4	17.3	15.5	15.0	15.0	16.3	17.6	16.9	17.4	16.8
1937	18.6	20.0	18.9	17.6	16.6	15.5	15.2	15.0	17.1	16.9	17.2	16.6	17.1
1938	17.0	18.8	19.0	17.7	16.8	15.3	15.4	15.4	16.4	17.4	16.7	16.8	16.9
1939	17.5	18.7	19.3	17.8	16.7	15.5	15.7	15.6	17.1	18.0	18.0	18.4	17.4
1940	19.0	19.8	19.0	17.8	17.4	16.3	15.5	15.9	17.5	18.1	18.3	17.8	17.7
Mean	17.7	18.7	18.6	17.9	16.9	15.7	15.2	15.2	16.6	17.5	17.3	17.1	17.0

*Additional values.*

1929	17.3	18.8	19.0	17.7	16.2	15.1	14.7	14.6	15.7	17.1	16.6	16.5	16.6
1930	17.2	17.1	17.1	16.1	16.1	14.7	14.4	14.7	16.3	16.8	16.3	16.4	16.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.87	1.93	5.97	14.34	5.09	1.21	0.56	1.47	4.24	3.21	4.10	2.91	45.90
1932	2.81	1.36	8.80	7.17	6.08	1.04	0.83	0.66	0.44	1.56	2.47	5.81	39.03
1933	4.79	0.02	0.57	2.36	3.22	0.81	0.64	2.11	0.32	2.18	4.84	3.07	24.43
1934	0.38	0.96	1.61	3.73	7.93	2.24	1.24	0.40	0.03	2.72	1.80	2.46	25.50
1935	0.00	6.32	1.54	4.45	3.88	3.50	0.01	1.28	1.31	2.22	5.72	3.79	34.02
1936	5.09	5.81	4.99	7.80	1.67	3.14	0.16	0.41	0.47	3.87	3.63	3.28	40.52
1937	0.35	0.01	8.33	12.26	13.02	7.37	0.25	0.16	0.14	5.86	9.01	3.43	60.19
1938	0.93	2.45	4.14	4.70	3.47	0.24	0.37	0.45	0.94	1.70	5.18	5.56	30.13
1939	1.18	1.47	5.61	9.53	1.88	0.27	0.42	0.72	0.73	0.50	2.40	0.24	24.95
1940	1.92	8.06	6.08	9.91	9.06	0.99	0.78	0.55	0.05	2.07	3.47	1.74	39.68
Mean	1.83	2.34	4.76	7.63	5.55	2.03	0.53	0.82	0.87	2.59	4.26	3.23	36.44

*Additional values.*

1929	0.43	0.04	1.05	9.68	3.32	0.90	1.48	1.44	2.45	2.65	5.24	5.86	39.54
1930	1.78	6.03	10.97	14.07	15.99	0.82	0.25	0.49	3.95	3.58	6.91	1.34	66.13

\* See NOTES, p. 6.

## LOURENÇO MARQUES,\* MOZAMBIQUE

Lat. 25°58' S. Long. 32°36' E. H<sub>b</sub> = 59 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 30th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.67	60.25	62.36	63.06	64.37	68.90	65.92	65.18	63.68	63.36	62.24	60.48	63.37
1932	60.10	59.61	61.59	63.54	66.95	66.24	67.05	66.99	62.94	64.15	61.88	60.04	63.42
1933	59.34	59.72	61.19	64.05	65.00	65.50	67.35	67.09	66.14	62.04	61.14	61.08	63.30
1934	59.91	59.61	61.41	63.27	64.09	68.38	66.81	66.55	66.30	62.47	61.71	60.91	63.45
1935	60.08	62.59	62.14	63.38	64.30	67.14	68.45	68.26	62.63	63.26	62.66	61.49	63.86
1936	58.70	59.30	61.73	64.88	63.79	69.06	68.47	67.44	65.89	63.11	61.59	60.33	63.69
1937	59.35	59.47	59.87	62.87	64.29	64.93	67.81	68.14	64.28	64.17	61.40	60.71	63.11
1938	59.37	60.33	61.00	60.94	63.63	68.18	66.79	66.13	64.72	63.03	61.99	59.45	62.97
1939	60.32	58.34	61.18	62.53	64.60	68.47	67.03	66.63	65.41	62.64	61.66	60.95	63.31
1940	60.20	60.40	60.40	62.70	63.90	66.80	69.20	67.80	64.20	64.30	60.00	60.10	63.33
Mean	59.80	59.96	61.29	63.12	64.49	67.36	67.49	67.02	64.62	63.26	61.63	60.55	63.38

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.45 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	24.90	26.24	24.34	22.65	21.61	18.09	17.71	19.85	20.96	22.11	23.06	25.28	22.23
1932	25.33	25.74	24.64	23.61	19.83	18.73	17.54	19.73	22.21	22.44	23.54	24.99	22.36
1933	25.14	25.78	25.43	23.20	21.47	18.91	19.10	19.56	20.90	22.67	23.53	24.94	22.56
1934	26.07	25.09	24.90	24.25	21.73	18.79	18.34	20.39	20.77	22.56	23.70	24.95	22.63
1935	25.02	24.35	23.69	22.36	20.18	17.38	18.26	17.66	20.91	22.43	22.59	23.51	21.53
1936	25.00	25.55	24.36	22.69	19.67	18.40	18.36	19.35	20.13	20.58	22.47	24.25	21.73
1937	25.37	26.20	25.27	23.13	21.03	19.17	17.76	19.47	20.12	21.85	23.66	23.98	22.25
1938	25.52	25.32	25.13	23.92	21.24	18.58	18.49	19.29	20.60	22.60	23.22	24.66	22.33
1939	25.16	26.32	23.94	22.78	21.38	18.40	17.55	19.19	19.05	22.60	22.48	24.33	21.93
1940	25.88	26.06	25.38	23.34	20.99	18.77	17.76	19.96	21.43	21.71	24.07	25.95	22.61
Mean	25.34	25.66	24.71	23.19	20.91	18.52	18.09	19.44	20.71	22.16	23.23	24.68	22.22

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.05 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	89.1	88.1	36.7	31.9	1.5	5.9	18.2	0.6	11.2	91.6	66.2	57.4	498.4
1932	121.8	75.7	67.8	85.7	41.7	20.8	1.2	5.6	9.7	15.5	8.8	104.6	558.9
1933	195.5	86.7	63.3	31.9	3.8	3.2	1.5	4.7	3.6	33.7	69.6	63.4	560.9
1934	66.8	67.5	66.4	42.2	41.7	27.3	21.9	2.8	25.7	17.4	77.0	169.4	626.1
1935	48.2	19.7	185.8	23.3	23.1	21.7	2.9	7.2	6.6	30.4	33.9	28.6	431.4
1936	255.0	36.7	255.9	15.8	39.0	13.7	7.6	6.4	82.9	82.3	378.7	69.1	1243.1
1937	106.8	343.7	101.5	12.4	2.3	8.6	9.3	9.9	50.1	26.0	30.7	93.4	794.7
1938	188.7	20.2	24.4	202.5	0.4	53.1	10.2	2.7	36.5	72.9	29.6	243.3	834.5
1939	163.4	151.3	108.7	21.2	4.2	19.2	39.3	5.4	70.4	28.0	116.9	66.7	794.7
1940	166.3	93.0	144.7	10.9	76.5	113.3	1.5	3.4	9.8	30.2	146.4	102.0	898.0
Mean	140.2	98.3	105.5	47.3	23.4	28.7	11.4	4.9	30.6	42.3	95.8	99.8	729.1

\* See ADDITIONAL DATA, p. 594.

## CALABAR, NIGERIA

Lat. 4°58' N. Long. 8°19' E. H = 170 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 7<sup>h</sup>, G.M.T.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.906	.887	.906	.809	.930	.979	.823	.841	.966	.930	.902	.929	.901
1932	.935	.920	.924	.930	.948	.983	1.021	1.009	.987	.977	.958	.929	.960
1933	.934	.938	.928	.955	.968	.987	1.001	1.015	1.000	.972	.935	.931	.963
1934	.957	.953	.951	.963	.959	.970	.985	.980	.964	.974	.949	.949	.963
1935	.950	.960	.931	.942	.965	.974	.995	1.015	.992	.962	.940	.948	.964
1936	.949	1.011	.947	.945	.923	.983	.978	.956	.905	.959	.946	.916	.956
1937	.908	.905	.884	.899	.920	.938	.947	.947	.944	.944	.944	.945	.927
1938	.904	.893	.863	.896	.929	.947	.979	.978	.978	.947	.884	.871	.922
1939	.900	.880	.852	.894	.908	.956	1.011	1.009	.997	.950	.941	.901	.938
1940	.927	.918	.889	.904	.919	.983	1.031	1.022	.989	.970	.923	.933	.951
Mean	.927	.927	.907	.914	.937	.970	.977	.977	.978	.959	.932	.931	.945

## TEMPERATURE IN DEGREES F.

Means of 7<sup>h</sup>, G.M.T.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	79.9	80.7	82.3	82.1	80.7	79.7	76.9	77.3	77.8	78.3	79.8	80.4	79.7
1932	77.5	81.4	81.1	81.8	80.6	79.0	76.2	76.4	76.7	78.3	79.8	80.2	79.1
1933	77.5	79.1	79.3	79.2	79.2	77.5	76.5	75.1	76.6	77.1	78.7	75.5	77.6
1934	76.6	79.3	79.3	78.0	79.4	77.9	76.9	77.0	78.3	78.5	78.8	77.4	78.1
1935	77.8	78.6	79.7	79.5	79.5	77.0	76.2	75.4	76.8	77.5	80.0	79.1	78.1
1936	77.7	79.4	78.6	79.2	79.7	76.9	75.2	75.1	75.3	76.0	78.0	75.4	77.2
1937	74.5	78.1	78.3	78.1	77.6	76.7	74.9	75.3	76.0	76.1	78.3	77.4	76.8
1938	76.9	76.4	77.0	77.9	77.9	76.3	75.1	74.5	75.3	76.2	77.2	77.6	76.5
1939	72.9	74.4	76.0	76.5	76.5	75.4	74.0	73.1	73.6	74.0	75.4	76.3	74.8
1940	75.4	75.8	77.1	77.2	76.1	75.6	73.7	73.5	74.2	74.5	75.1	74.8	75.2
Mean	76.7	78.3	78.9	78.9	78.7	77.2	75.6	75.3	76.1	76.7	78.1	77.4	77.3

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.41	2.44	3.95	9.46	9.96	18.99	18.69	12.16	19.60	13.48	13.99	7.67	132.79
1932	1.43	2.62	6.52	3.49	16.49	22.59	8.86	6.53	9.38	7.78	5.03	0.00	90.72
1933	4.52	4.47	6.90	11.98	8.85	7.34	24.51	19.37	14.83	12.23	11.94	1.18	128.12
1934	0.73	0.50	5.99	11.42	9.19	9.27	10.26	16.11	10.74	12.25	8.02	0.78	95.26
1935	0.85	3.57	7.99	8.43	14.08	31.34	18.24	28.96	9.82	10.08	3.58	2.70	139.64
1936	0.00	6.88	5.18	8.88	7.40	36.68	16.28	9.85	9.74	12.53	6.11	2.13	121.66
1937	0.00	2.78	4.80	4.88	14.89	7.33	16.85	9.52	17.71	10.80	5.92	0.64	96.12
1938	0.59	5.53	2.83	7.03	5.60	10.36	8.61	8.63	26.93	16.07	14.21	5.79	112.18
1939	3.59	7.25	8.98	6.90	12.41	11.32	20.93	25.47	21.56	10.43	11.56	1.34	141.74
1940	1.32	2.27	1.54	10.21	16.20	24.95	18.69	22.56	17.20	11.94	10.24	0.05	137.19
Mean	1.54	3.83	5.47	8.27	11.51	18.02	16.19	15.92	15.75	11.76	9.06	2.23	119.54



## LAGOS (1), NIGERIA

Lat. 6°27' N. Long. 3°24' E. H = 9 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 7<sup>h</sup>, G.M.T.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.908	.899	.850	.871	.916	.973	.965	.997	.954	.950	.879	.906	.922
1932	.906	.897	.868	.867	.932	.959	.999	.981	.984	.948	.918	.902	.930
1933	.889	.872	.858	.861	.908	.937	.969	.986	.971	.933	.886	.870	.911
1934	.879	.870	.827	.872	.876	.925	.967	.975	.948	.940	.888	.910	.906
1935	.887	.896	.881	.865	.906	.951	.975	.966	.960	.917	.879	.897	.915
1936	.885	.864	.855	.866	.881	.966	1.011	.988	.971	.938	.881	.891	.916
1937	.884	.871	.835	.870	.875	.943	.982	.983	.967	.935	.909	.885	.911
1938	.873	.859	.820	.836	.880	.950	.976	.940	.953	.916	.873	.843	.893
1939	.860	.830	.803	.840	.858	.913	.966	.956	.945	.903	.893	.900	.889
1940	.863	.853	.830	.838	.853	.933	.993	.966	.926	.903	.863	.880	.892
Mean	.883	.871	.843	.859	.889	.945	.980	.974	.958	.923	.887	.888	.909

## TEMPERATURE IN DEGREES F.

Means of 7<sup>h</sup>, G.M.T.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	81.3	81.3	85.0	83.9	80.9	80.3	77.5	78.5	79.0	80.7	81.5	80.5	80.9
1932	75.6	80.3	82.3	84.2	81.1	77.7	76.5	75.7	76.4	78.2	79.6	78.0	78.8
1933	77.3	80.3	82.1	82.0	80.8	77.8	77.2	77.2	77.1	78.5	79.5	78.2	79.0
1934	75.4	79.1	80.9	81.0	80.5	78.8	77.6	77.5	78.1	78.2	79.9	77.2	78.7
1935	76.6	79.1	81.9	81.5	80.8	77.2	77.1	76.8	77.9	79.2	80.5	78.7	78.9
1936	77.3	80.0	81.9	82.0	79.6	77.1	76.1	75.1	76.7	78.3	79.5	77.3	78.4
1937	75.0	79.0	81.3	82.6	81.0	79.1	76.9	76.2	77.1	78.1	79.6	77.9	78.6
1938	77.1	80.0	80.7	81.2	79.8	77.1	75.3	75.2	76.8	78.0	78.2	78.1	78.1
1939	73.7	76.6	77.5	78.2	76.9	74.7	75.4	74.2	74.3	74.4	75.6	75.0	75.5
1940	76.1	76.8	78.3	79.2	78.0	75.8	74.6	74.7	75.1	75.8	75.6	75.0	76.2
Mean	76.5	79.3	81.2	81.6	79.9	77.6	76.4	76.1	76.9	77.9	78.9	77.6	78.3

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.94	1.47	5.89	7.16	8.87	17.73	17.81	2.10	12.54	5.87	2.24	0.93	83.55
1932	0.02	0.44	2.61	3.80	11.34	14.10	0.86	3.02	4.11	5.16	2.63	0.00	48.09
1933	4.93	2.05	4.67	3.95	6.61	14.86	19.49	1.51	5.49	6.01	5.31	0.97	75.85
1934	0.20	0.00	4.75	5.73	5.38	15.68	14.49	7.91	4.32	13.45	1.17	4.72	77.80
1935	0.00	1.24	8.36	6.27	13.99	21.18	16.09	0.42	2.32	6.08	2.33	0.43	78.71
1936	0.93	1.54	5.78	2.57	12.08	14.70	0.16	1.12	1.77	13.88	5.33	2.42	62.28
1937	0.00	2.77	5.05	4.81	10.03	20.04	18.07	1.42	12.54	5.45	0.38	1.26	81.82
1938	0.86	3.08	1.66	6.03	10.87	11.52	3.48	1.61	4.55	8.62	6.24	0.16	58.68
1939	0.34	1.78	2.99	3.76	12.43	15.73	12.41	5.56	0.67	6.62	0.54	2.43	62.26
1940	0.79	0.18	3.27	6.23	8.21	23.03	7.61	1.50	7.61	12.33	2.32	0.00	73.08
Mean	0.90	1.46	4.50	5.03	9.98	16.86	11.05	2.62	6.59	8.05	2.85	1.33	70.21

## LAGOS (2), NIGERIA

Lat. 6°27' N. Long. 3°24' E. H = 9 ft.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{2}(9^h + 15^h)$  \*

1,000 mb. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	8.9	...	...	9.8	11.3	13.5	13.2	14.0	12.5	12.0	9.9	10.8	...
1932	10.5	10.2	9.6	9.5	11.7	12.8	14.5	13.7	13.6	12.3	11.4	10.7	11.7
1933	9.7	9.9	9.4	9.7	12.3	12.6	13.9	14.3	13.6	12.1	9.9	9.5	11.4
1934	9.8	9.7	8.6	10.1	10.3	12.1	13.5	13.7	12.7	12.1	10.4	10.9	11.2
1935	10.1	10.7	...	10.8	11.3	13.0	13.8	13.3	12.9	11.3	10.1	10.7	...
1936	10.1	9.9	9.9	10.0	10.5	13.5	15.3	14.1	13.3	12.1	10.3	10.5	11.6
1937	9.9	9.9	8.9	10.1	10.7	12.8	14.9	13.9	13.2	12.1	11.1	9.9	11.5
1938	9.5	9.1	8.5	9.5	10.9	13.2	14.0	12.9	12.8	11.6	10.3	9.3	11.0
1939	10.0	9.3	8.5	9.9	10.4	12.3	14.1	13.9	13.3	11.7	11.4	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	9.8	9.8	9.1	9.9	11.0	12.9	14.1	13.8	13.1	11.9	10.5	10.3	†11.4

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}(\text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	82.9	84.5	84.9	83.2	81.5	79.7	77.9	79.1	79.3	80.3	81.4	82.1	81.4
1932	79.3	82.3	82.2	83.5	81.0	78.5	77.9	76.8	77.6	78.9	81.1	81.9	80.1
1933	80.9	83.0	84.2	82.9	82.1	79.2	78.7	78.5	78.5	79.7	80.9	81.1	80.8
1934	80.4	82.7	83.1	81.9	81.3	80.5	79.3	78.9	79.9	79.7	82.3	80.5	80.9
1935	80.9	82.0	83.4	82.9	81.7	78.8	78.3	77.7	79.1	80.3	82.1	81.7	80.7
1936	81.3	83.3	83.7	83.3	81.3	78.3	77.7	76.5	78.5	79.1	81.3	80.8	80.4
1937	80.3	82.5	84.1	83.8	82.0	81.0	78.3	78.0	78.7	79.5	81.7	81.1	80.9
1938	81.1	83.1	83.1	82.1	80.3	79.1	76.5	76.3	77.5	78.7	79.1	80.5	79.8
1939	79.6	80.8	81.2	81.0	80.5	78.0	77.5	76.3	76.7	77.3	79.7	...	†79.2
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	80.8	82.7	83.3	82.7	81.3	79.2	78.0	77.6	78.4	79.3	81.1	81.3	80.5

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.94	1.47	5.89	7.16	8.87	17.73	17.81	2.10	12.54	5.87	2.24	0.93	83.55
1932	0.02	0.44	2.61	3.80	11.34	14.10	0.86	3.02	4.11	5.16	2.63	0.00	48.09
1933	4.93	2.05	4.67	3.95	6.61	14.86	19.49	1.51	5.49	6.01	5.31	0.97	75.85
1934	0.20	0.00	4.72	5.70	5.42	15.70	14.49	7.91	4.32	13.45	1.17	4.72	77.80
1935	0.00	1.24	8.36	6.27	13.99	21.18	16.09	0.42	2.32	6.08	2.33	0.43	73.71
1936	0.93	1.54	5.78	2.57	12.08	14.70	0.16	1.12	1.77	13.88	5.33	2.42	62.28
1937	0.00	2.77	5.05	4.81	10.02	20.04	18.07	1.42	12.54	5.45	0.38	1.26	81.81
1938	0.86	8.08	1.66	6.03	10.87	11.52	3.48	1.61	4.55	8.62	6.24	0.16	68.68
1939	0.34	1.78	2.99	3.76	12.43	15.73	12.41	5.56	0.67	3.62	0.54	2.43	62.26
1940	0.79	0.18	3.27	6.23	8.21	23.03	7.61	1.50	7.61	12.33	2.32	0.00	73.08
Mean	0.90	1.46	4.50	5.03	9.93	16.86	11.05	2.62	5.59	8.05	2.83	1.33	70.21

\* See NOTES, p. 7.

† Mean of 12 monthly means.

‡ Normal value used for missing month.

## LIVINGSTONE, RHODESIA (NORTHERN)

Lat. 17°15' S. Long. 25°49' E. H<sub>b</sub> = 3,161 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 6<sup>h</sup> 30<sup>m</sup>, G.M.T.

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	7.7	8.5	10.1	11.3	13.2	16.5	13.0	13.8	11.3	9.4	9.0	8.5	11.0
1932	8.2	5.8	8.7	11.2	13.0	13.7	13.0	11.8	7.7	7.0	6.4	5.5	9.3
1933	4.5	5.3	7.2	9.2	11.3	10.9	12.2	11.4	9.8	6.5	5.9	6.1	8.4
1934	4.8	5.5	6.0	8.5	9.4	12.4	11.2	11.0	9.8	6.4	5.8	5.1	8.0
1935	4.5	6.2	6.2	7.5	9.0	11.6	12.2	11.3	7.0	6.5	6.4	5.5	7.8
1936	4.4	4.3	5.3	9.8	9.2	13.2	11.2	11.1	9.4	5.9	5.7	5.2	7.9
1937	4.2	4.0	5.9	8.2	10.6	11.3	12.3	12.0	7.9	7.5	5.4	5.6	7.9
1938	5.5	5.4	6.1	6.5	9.0	12.7	*16.1	14.2	12.7	10.6	11.2	8.3	9.9
1939	9.3	7.1	8.9	13.2	14.3	17.2	15.2	14.5	10.1	7.1	6.6	6.7	10.9
1940	6.2	6.3	6.8	9.5	11.0	13.3	14.8	13.0	8.9	9.1	6.3	7.0	9.3
Mean	5.9	5.8	7.1	9.5	11.0	13.3	13.1	12.4	9.5	7.6	6.9	6.4	9.0

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	78.9	81.7	80.2	75.5	71.5	62.3	64.2	69.5	76.6	83.3	75.9	77.3	74.7
1932	78.2	77.0	73.3	72.7	67.6	59.9	57.5	62.9	76.1	82.3	82.1	75.8	72.1
1933	74.5	75.5	77.3	74.1	66.3	63.7	63.6	66.5	72.9	81.5	77.5	74.2	72.3
1934	75.0	75.6	75.1	73.0	69.5	65.1	65.4	69.6	73.7	80.2	79.6	76.1	73.2
1935	75.7	74.3	75.7	72.3	68.7	59.1	62.5	62.4	76.9	81.7	79.9	77.3	72.2
1936	75.4	77.3	73.3	69.5	65.3	60.1	60.8	65.2	71.6	81.5	79.4	76.2	71.3
1937	76.6	74.7	74.0	71.7	64.9	60.1	58.9	63.5	72.7	74.9	77.1	71.1	70.0
1938	75.1	74.9	74.4	75.9	69.1	61.8	61.3	67.7	75.9	82.0	76.1	73.9	72.3
1939	74.9	74.8	72.1	68.9	67.4	59.9	60.8	66.1	70.8	77.6	76.2	74.4	70.3
1940	75.7	74.6	74.7	72.8	64.6	60.6	59.8	67.0	76.9	77.5	79.4	79.7	72.0
Mean	76.0	76.0	75.0	72.6	67.5	61.3	61.5	66.0	74.4	80.3	78.3	75.6	72.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft. 9 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.70	1.89	4.00	0.23	0.00	0.00	0.00	0.00	0.00	0.15	9.53	2.16	22.66
1932	8.06	2.77	8.74	4.06	0.58	0.00	0.00	0.00	0.00	0.02	1.00	6.46	31.69
1933	7.81	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	4.42	3.30	17.34
1934	7.00	2.54	3.61	1.60	0.00	0.00	0.00	0.00	0.00	0.48	2.32	7.41	24.96
1935	4.26	4.45	1.36	0.63	0.00	0.00	0.00	0.00	0.00	0.42	2.82	2.69	16.63
1936	5.33	4.21	12.31	1.73	2.51	0.00	0.00	0.03	0.00	0.24	6.32	2.90	35.58
1937	4.12	11.18	2.94	0.10	0.00	0.00	0.00	0.00	0.00	0.48	1.83	8.52	29.17
1938	4.43	6.59	0.10	0.75	0.00	0.00	0.00	0.00	0.05	2.04	4.78	10.52	29.26
1939	5.34	11.29	5.33	0.59	0.02	0.00	0.00	0.33	1.62	1.93	3.07	7.45	36.97
1940	4.03	7.48	6.24	3.42	0.00	0.28	0.00	0.00	0.00	0.25	1.45	4.77	27.92
Mean	5.51	5.42	4.46	1.31	0.31	0.03	0.00	0.04	0.17	0.60	3.75	5.62	27.22

\* From July 1938 to August 1939 the pressure appears to be too high.—EDITOR.

## ZOMBA, RHODESIA (NORTHERN)

Lat. 15°22' S. Long. 38°18' E. H<sub>b</sub> = 3,020.42 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 9 a. m.

26 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	*.837	.831	.879	.933	.984	1.075	.990	1.018	.952	.922	.867	.842	.928
1932	.835	.805	.855	.918	1.002	1.016	1.023	1.014	.928	.923	.872	.831	.919
1933	.845	.854	.913	.924	1.025	1.016	1.085	1.062	1.039	.913	.872	.872	.952
1934	.813	.809	.876	.960	1.005	1.077	1.072	1.062	1.032	.945	.911	.887	.984
1935	.848	.865	.917	.946	.996	1.043	1.102	1.066	.975	.961	.940	.891	.963
1936	.835	.844	.884	.977	.987	1.100	1.111	1.092	1.024	.950	.913	.876	.966
1937	.825	.844	.862	.954	1.022	1.039	1.056	1.061	.983	.971	.914	.874	.950
1938	.847	.872	.816	.929	1.006	1.072	1.061	1.024	1.024	.955	.915	.834	.946
1939	.831	.791	.814	.892	1.011	1.083	1.055	1.054	.991	.954	.913	.907	.941
1940	.899	.886	.902	.917	.938	1.046	1.110	1.068	1.007	1.003	.883	.884	.962
Mean	.842	.840	.872	.935	.998	1.057	1.066	1.052	.996	.950	.900	.870	.948

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	71.5	73.5	73.0	69.5	67.5	61.5	63.0	67.0	70.5	77.0	74.5	71.5	70.0
1932	73.0	72.5	72.0	72.0	65.0	62.5	61.5	63.0	72.0	73.5	74.5	74.0	69.6
1933	72.0	72.5	72.5	70.0	67.0	66.0	62.5	64.0	68.0	74.7	76.7	70.9	69.7
1934	73.0	72.7	72.3	71.2	68.0	64.6	64.3	67.4	68.1	73.7	74.1	71.7	70.1
1935	71.2	69.9	70.1	67.5	67.7	63.3	62.1	61.9	71.4	75.8	73.1	72.4	69.4
1936	71.8	72.1	72.1	69.2	67.0	63.7	63.1	64.1	68.3	75.1	76.7	72.9	69.7
1937	72.7	72.6	72.8	71.2	66.9	64.4	61.4	64.1	70.1	72.3	76.1	73.5	69.8
1938	72.7	72.3	70.7	71.8	67.0	63.3	64.1	64.8	70.6	76.0	75.3	72.7	70.1
1939	72.2	73.1	70.9	70.1	66.7	61.9	62.5	65.6	69.3	74.9	74.1	72.3	69.5
1940	71.7	72.9	72.7	70.4	66.5	63.9	61.9	65.6	71.9	70.3	73.5	73.5	69.7
Mean	72.2	72.4	71.9	70.3	66.9	63.5	62.6	64.8	70.0	74.3	74.9	72.5	69.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 15 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	15.06	10.25	2.48	6.16	0.60	0.05	0.36	...	0.42	0.18	6.10	15.27	†56.93
1932	9.41	5.17	6.87	2.95	0.58	0.26	0.13	0.31	...	0.20	5.26	8.13	†39.27
1933	10.86	4.97	8.48	0.46	0.09	1.11	0.22	0.04	0.21	0.00	3.81	11.04	41.29
1934	5.47	10.08	9.90	2.98	0.09	1.14	0.43	0.00	0.25	2.48	2.86	13.29	48.97
1935	9.49	8.98	15.32	0.72	0.72	0.33	0.61	0.28	0.61	0.00	6.42	8.01	59.96
1936	5.31	18.50	10.08	3.46	0.51	0.07	0.12	0.11	0.03	0.89	7.26	5.85	52.19
1937	18.02	7.11	2.07	3.37	0.23	0.87	0.30	1.42	0.00	1.32	4.68	8.99	49.43
1938	23.45	10.30	12.08	3.37	1.12	0.56	0.00	0.25	0.00	0.42	1.73	14.12	68.00
1939	19.33	3.54	11.08	6.13	0.14	1.14	0.27	1.53	0.16	2.54	1.52	13.05	60.43
1940	13.36	10.52	10.06	6.50	1.31	0.10	0.02	0.00	0.00	2.32	5.34	6.31	55.84
Mean	13.88	8.94	8.90	3.61	0.54	0.56	0.25	0.44	0.19	1.04	4.50	10.41	53.26

\* A correction of +.120 in. was applied to the pressure for each month from January 1931 to March 1933 to correct to new level.

†Incomplete.

## BULAWAYO,\* RHODESIA (SOUTHERN)

Lat. 22°13' S. Long. 29°59' E. H<sub>0</sub> = 4,426 ft.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of 6<sup>h</sup> 30<sup>m</sup>, G.M.T.

800 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	65.9	66.6	68.5	69.4	71.0	73.7	69.9	71.8	69.7	68.8	67.6	66.5	69.1
1932	66.5	65.8	67.4	69.8	72.2	72.3	72.5	72.3	69.7	69.0	67.5	66.3	69.3
1933	65.3	66.7	68.6	70.5	71.6	71.5	72.1	71.6	70.5	67.1	66.0	66.0	68.9
1934	65.4	65.3	67.1	69.5	69.9	72.6	71.5	71.5	70.7	67.7	66.7	66.0	68.7
1935	65.4	67.4	67.6	68.6	69.7	71.7	72.9	72.0	68.8	68.7	67.9	66.8	68.9
1936	65.0	65.6	66.8	70.8	69.7	73.7	74.5	73.1	71.5	68.6	67.9	67.1	69.5
1937	66.0	66.2	67.7	70.0	71.8	72.3	73.4	73.7	70.0	69.9	68.0	67.1	69.7
1938	66.0	67.3	67.8	68.3	70.6	73.9	72.9	71.7	70.7	69.0	68.7	66.0	69.4
1939	66.8	64.6	66.9	70.2	71.5	75.0	71.9	71.9	70.9	68.7	67.6	67.7	69.4
1940	67.3	67.2	67.7	70.6	71.1	73.1	74.9	73.7	70.4	70.6	67.4	68.0	70.2
Mean	66.0	66.3	67.6	69.8	70.9	72.9	72.7	72.3	70.2	68.8	67.5	66.7	69.3

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	71.4	72.9	71.7	67.7	65.0	56.1	58.2	63.5	67.9	71.9	68.8	72.2	67.3
1932	72.3	72.1	67.5	65.1	59.9	54.7	54.4	58.1	69.2	72.1	74.6	71.0	65.9
1933	68.8	70.8	71.4	65.7	61.2	57.6	58.4	60.5	64.3	73.0	70.4	69.1	65.9
1934	70.9	70.6	70.0	68.2	63.8	57.9	59.7	63.0	64.1	72.1	71.4	69.8	66.8
1935	69.5	66.4	69.2	65.4	60.7	53.9	57.3	55.8	68.6	73.5	71.1	71.9	65.3
1936	71.6	71.0	67.0	63.8	59.6	55.8	56.4	59.3	64.0	71.7	70.6	70.1	65.1
1937	72.1	69.1	68.5	65.7	61.3	58.1	54.5	58.7	67.0	72.1	74.9	69.8	66.0
1938	70.9	70.1	69.5	70.0	63.7	56.4	56.9	61.3	67.3	73.5	69.6	69.0	66.5
1939	68.9	69.7	65.8	62.8	61.5	54.3	55.6	60.1	62.9	70.9	69.5	69.3	64.3
1940	70.1	69.6	69.8	66.1	61.0	57.2	55.6	61.5	70.1	68.7	71.9	74.5	66.3
Mean	70.7	70.2	69.0	66.1	61.8	56.2	56.7	60.2	66.5	71.9	71.3	70.7	65.9

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft. 9 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.92	1.42	1.48	0.70	0.00	0.02	0.00	0.00	0.00	0.84	4.21	1.39	12.98
1932	4.32	2.96	5.88	1.00	0.32	0.00	0.00	0.00	0.27	0.00	0.75	6.39	21.89
1933	4.64	0.00	0.05	0.44	0.00	0.15	0.00	0.00	0.00	0.07	4.82	3.01	13.18
1934	4.61	1.49	2.29	0.16	0.12	0.27	0.00	0.00	0.00	0.00	4.89	5.99	19.82
1935	5.30	4.09	0.84	0.11	0.46	0.01	0.00	0.00	0.32	0.03	0.32	3.09	14.57
1936	4.09	6.90	7.21	1.03	0.95	0.01	0.00	0.03	0.00	3.87	8.72	1.35	34.16
1937	4.04	7.98	2.04	0.08	0.43	0.00	0.00	0.00	0.00	0.09	1.86	5.70	22.27
1938	6.10	1.67	0.09	1.23	0.00	0.06	0.00	0.00	0.00	0.87	3.78	8.25	21.99
1939	4.92	13.52	6.12	0.00	1.32	0.02	0.01	0.39	0.91	1.22	4.86	3.64	36.93
1940	5.70	2.42	3.76	0.97	0.00	1.27	0.00	0.00	0.15	1.10	3.17	8.94	27.43
Mean	4.66	4.25	2.98	0.57	0.37	0.17	0.00	0.04	0.17	0.81	3.74	4.77	22.53

\* See NOTES, p. 7.

## SALISBURY, RHODESIA (SOUTHERN)

Lat. 17°50' S. Long. 31°1' E.  $h_b = 4,890$  ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of (hours not given)  
800 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	51.7	52.2	53.7	54.7	56.1	58.5	56.1	57.0	57.0	54.5	53.9	52.1	54.7
1932	52.1	51.2	52.9	54.8	57.1	57.2	57.3	57.0	54.4	54.6	53.3	51.8	54.5
1933	50.5	51.5	53.4	54.7	56.2	56.3	57.4	56.5	55.6	53.0	51.9	51.7	54.1
1934	50.7	50.5	52.1	54.5	55.1	57.1	56.6	56.7	55.8	53.4	52.3	51.3	53.8
1935	50.8	52.3	52.9	53.7	55.0	56.2	57.8	56.6	53.9	54.2	53.4	52.2	54.1
1936	50.5	50.9	52.1	55.5	54.8	58.0	59.7	58.4	57.1	54.9	54.3	53.1	54.9
1937	52.0	52.3	53.3	55.6	57.5	57.9	58.6	58.9	55.9	56.1	54.2	53.1	55.4
1938	52.1	53.5	53.4	54.6	56.4	58.9	58.2	57.3	56.7	55.3	54.5	52.4	55.3
1939	52.9	51.4	52.3	55.9	57.3	59.2	57.6	57.8	56.9	54.8	54.0	53.8	55.3
1940	53.2	53.1	53.5	56.4	56.8	58.5	60.0	59.1	56.7	56.4	53.7	54.4	56.0
Mean	51.7	51.9	53.0	55.0	56.2	57.8	57.7	57.5	56.0	54.7	53.5	52.6	54.8

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	69.7	70.6	70.3	66.7	63.6	55.3	58.8	62.6	68.4	72.8	68.9	69.1	66.4
1932	69.9	69.4	68.1	65.8	60.7	56.2	55.1	57.9	68.7	70.9	71.1	68.9	65.2
1933	68.2	68.1	69.0	65.3	60.1	58.4	57.5	60.0	63.7	70.8	69.6	67.4	64.8
1934	69.9	69.4	69.1	66.9	62.9	58.0	58.5	61.3	63.9	70.1	69.6	68.2	65.6
1935	68.4	67.1	67.7	63.4	60.9	54.3	56.5	55.6	68.2	71.1	69.8	69.9	64.4
1936	69.4	70.5	68.6	64.4	61.1	56.6	56.9	58.7	63.0	70.1	70.4	69.8	65.0
1937	70.4	69.5	68.5	65.4	61.0	58.3	55.1	58.7	66.9	69.9	72.9	69.3	65.5
1938	69.3	69.3	66.9	67.6	61.9	56.5	56.6	59.9	65.8	71.7	69.2	68.0	65.2
1939	68.0	68.2	65.6	63.9	61.2	54.5	56.3	60.2	63.4	69.2	68.1	67.8	63.9
1940	69.0	68.2	68.7	65.6	60.4	57.7	55.7	60.0	68.1	66.7	70.6	72.4	65.3
Mean	69.2	69.0	68.3	65.5	61.4	56.6	56.7	59.5	66.0	70.3	70.0	69.1	65.1

TOTAL PRECIPITATION IN INCHES.  $h_r = 3$  ft. 9 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.82	5.17	0.72	0.52	0.31	0.03	0.00	0.00	0.00	1.91	6.54	4.18	28.20
1932	5.15	3.85	3.10	2.83	0.39	0.00	0.00	1.78	0.35	0.03	2.39	6.90	26.77
1933	10.18	5.36	0.34	2.57	0.00	0.19	0.00	0.00	0.22	0.35	9.29	5.21	33.71
1934	7.19	7.73	1.65	1.76	0.09	0.28	0.02	0.01	0.28	1.67	4.80	8.19	33.67
1935	11.86	4.26	4.53	0.01	1.41	0.45	0.00	0.22	0.33	0.10	2.86	3.39	29.42
1936	5.22	6.41	6.06	1.03	0.42	0.03	0.00	0.28	0.01	2.09	3.81	2.94	28.30
1937	7.09	9.49	3.13	1.57	0.00	0.00	0.00	0.02	0.00	0.02	1.28	8.06	30.66
1938	11.87	1.59	2.59	1.00	0.01	0.05	0.02	0.00	0.00	0.76	2.08	12.15	32.12
1939	6.96	16.28	11.21	0.81	0.59	0.09	0.04	0.18	0.00	2.32	4.54	12.69	55.51
1940	4.64	8.32	5.61	2.93	0.00	0.20	0.43	0.05	0.00	2.26	5.30	6.08	35.82
Mean	7.90	6.85	3.90	1.50	0.30	0.13	0.05	0.25	0.12	1.15	4.29	6.98	33.42

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	5.7	5.7	7.7	9.9	13.1	19.0	16.2	14.6	12.0	7.3	7.1	6.2	10.0
1932	6.0	5.2	7.5	10.1	15.2	17.4	17.7	16.8	9.4	8.3	6.8	6.0	9.2
1933	4.6	5.9	7.6	10.5	14.3	15.7	16.5	15.3	12.6	6.8	5.9	6.0	8.9
1934	4.4	4.4	6.3	9.5	11.1	16.8	16.2	15.3	12.6	7.4	6.3	5.6	9.3
1935	5.3	7.8	7.5	10.8	13.0	17.2	16.6	16.8	8.5	8.9	7.2	6.5	8.6
1936	4.8	3.6	6.4	11.5	12.7	18.0	19.1	18.2	14.3	10.3	8.0	6.6	9.0
1937	5.8	6.3	7.6	11.5	15.8	18.7	19.9	18.7	11.6	10.3	6.8	5.8	9.2
1938	6.1	7.5	8.4	9.6	14.7	19.0	17.3	16.8	12.8	8.7	8.5	7.0	8.9
1939	7.5	5.7	7.8	12.5	15.4	20.3	17.9	16.8	14.1	9.0	8.6	8.4	8.5
1940	7.2	7.4	7.8	12.2	14.8	18.5	19.9	18.1	11.9	11.4	7.3	7.2	9.0
Mean	5.7	6.9	7.5	10.8	14.0	18.1	17.7	16.7	12.0	8.8	7.3	6.8	9.1

\* See NOTES, p. 8.

## FREETOWN,\* SIERRA LEONE

Lat. 8°29' N. Long. 13°13' W. H<sub>0</sub> = 224 ft.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{2}(9^h + 17^h)$ , 15th meridian W.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.1	11.0	12.2	11.8	12.7	15.0	15.9	15.5	13.5	14.2	12.2	12.5	13.2
1932	12.6	12.5	12.5	11.8	12.7	13.4	14.7	15.1	15.2	13.5	13.1	12.6	13.3
1933	12.8	12.5	11.9	11.5	13.0	13.9	15.2	15.4	14.7	13.5	12.1	12.7	13.3
1934	12.3	12.6	11.6	12.1	12.2	12.7	18.7	14.3	13.9	14.1	13.5	12.5	13.4
1935	13.3	13.4	12.6	12.6	13.6	14.2	15.3	15.2	14.5	14.2	14.4	14.2	13.9
1936	11.9	11.5	11.5	11.4	11.3	13.7	14.4	13.5	12.9	12.4	11.1	11.5	12.3
1937	10.3	10.5	9.7	10.7	11.2	12.7	13.6	12.9	12.9	12.3	11.4	9.8	11.5
1938	9.5	10.5	9.9	10.2	11.6	13.4	13.8	13.1	13.1	12.3	11.7	10.7	11.7
1939	11.3	11.3	10.8	11.8	11.8	12.9	14.1	13.5	13.4	11.6	11.5	12.5	12.2
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	11.8	11.7	11.4	11.5	12.2	13.5	15.1	14.3	13.8	13.1	12.3	12.1	12.8

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}(\text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	82.1	82.8	83.6	84.0	83.1	80.1	80.1	78.5	79.9	82.0	82.4	82.4	81.8
1932	79.4	80.9	81.5	81.0	75.4	78.9	76.2	76.7	77.5	79.3	80.0	78.4	78.8
1933	80.8	80.4	82.8	78.1	82.8	78.7	76.3	73.9	75.2	76.6	80.7	76.6	78.6
1934	76.8	77.3	77.3	77.8	79.0	78.5	78.3	77.2	78.8	78.7	80.3	78.8	78.2
1935	79.6	80.4	79.6	80.3	80.8	78.4	76.3	76.5	77.0	78.6	79.1	79.4	78.8
1936	79.6	80.8	81.9	81.0	80.0	77.9	75.8	76.7	78.0	79.4	80.0	80.8	79.3
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN INCHES. h<sub>t</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.62	0.03	1.82	1.94	10.21	13.20	40.65	33.65	27.27	10.28	5.05	1.56	147.23
1932	1.05	3.74	1.29	8.71	7.62	20.56	31.99	16.06	23.84	8.23	6.67	2.54	132.30
1933	...	0.57	0.21	3.72	3.05	30.01	31.76	37.45	15.63	7.78	13.12	1.23	...
1934	0.00	0.07	0.06	2.09	2.64	17.95	53.88	47.63	31.85	12.67	3.35	0.27	171.96
1935	0.80	0.00	0.00	0.82	10.83	32.86	41.20	52.65	34.38	16.46	7.70	1.35	199.05
1936	0.00	0.02	1.03	6.81	17.87	18.28	25.03	27.45	26.43	10.09	10.91	0.48	144.40
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 8.

## ALIWAL (NORTH),\* SOUTH AFRICA

Lat. 30°42' S. Long. 26°43' E. H = 4,367 ft.

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	71.0	71.6	68.4	55.5	53.4	40.4	44.5	50.6	55.2	61.0	66.7	70.8	59.1
1932	68.0	69.8	67.1	64.3	54.8	46.2	45.5	51.1	57.8	63.8	68.5	71.1	60.7
1933	71.7	72.5	67.9	60.4	52.8	44.6	47.2	51.5	58.3	63.9	64.7	69.1	60.4
1934	69.4	67.1	65.8	61.3	55.3	48.4	44.5	53.2	58.5	61.7	66.5	67.2	59.9
1935	71.1	69.2	63.4	57.1	49.9	44.1	44.2	45.4	53.6	64.9	63.9	69.1	58.0
1936	69.8	67.7	66.6	60.7	49.1	47.0	46.5	50.2	55.5	59.2	63.4	70.3	58.8
1937	72.1	70.5	67.3	57.2	51.5	43.9	42.8	†52.5	54.2	65.1	69.6	67.7	59.5
1938	71.3	67.8	67.8	61.0	60.9	46.5	46.1	47.5	57.3	63.1	63.6	70.0	59.4
1939	70.3	69.1	65.7	57.5	49.6	45.1	44.1	49.4	53.4	62.1	65.2	†70.6	58.5
1940	†72.0	72.1	65.7	57.1	51.9	48.2	45.7	52.8	56.3	62.7	66.0	73.7	60.4
Mean	70.7	69.7	66.6	59.2	51.9	45.4	45.1	50.4	56.0	62.8	65.8	70.0	59.5

TOTAL PRECIPITATION IN INCHES.  $h_r = 4$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.12	2.45	2.38	2.37	0.00	0.09	3.36	0.00	0.00	3.86	1.92	3.26	22.81
1932	0.73	2.63	0.92	0.37	0.20	0.02	0.10	0.00	2.60	0.31	0.84	0.37	9.09
1933	1.75	1.17	2.68	1.56	0.00	0.32	0.02	0.18	0.21	0.00	3.47	5.82	17.18
1934	7.52	3.07	3.66	1.47	1.12	0.00	0.49	0.02	0.00	2.78	3.20	1.92	25.25
1935	1.59	1.59	6.09	0.83	2.59	0.00	0.00	1.54	0.37	0.75	3.30	1.24	19.89
1936	0.75	2.68	2.33	1.50	2.40	0.29	0.41	0.00	0.66	3.27	5.07	3.17	22.53
1937	3.54	2.94	1.69	0.17	1.04	0.00	0.63	0.00	0.00	0.64	1.22	2.40	14.27
1938	5.02	5.70	1.64	1.33	0.80	1.22	0.43	0.27	0.16	2.28	2.40	1.91	23.16
1939	3.67	5.71	1.38	1.05	0.96	0.25	0.82	1.61	0.83	1.99	1.68	1.20	21.15
1940	1.35	4.37	5.99	1.73	1.74	0.14	0.40	0.00	2.12	0.17	3.08	2.09	23.18
Mean	2.90	3.23	2.88	1.24	1.08	0.23	0.67	0.36	0.70	1.60	2.62	2.34	19.85

\* See NOTES, p. 8.

† Interpolated.



## CAPE TOWN,\* SOUTH AFRICA

Lat. 33°56' S. Long. 18°29' E.  $H_b = 40$  ft.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.907	.933	.985	1.064	1.061	1.230	1.176	1.121	1.079	1.070	.964	.988	1.048
1932	.972	.893	.965	.981	1.064	1.155	1.162	1.131	1.099	1.070	.968	.956	1.035
1933	.895	.913	.969	1.021	1.090	1.063	1.099	1.150	1.122	1.020	.964	.921	1.019
1934	.910	.911	.957	1.023	.988	1.135	1.184	1.141	1.089	1.030	.948	.971	1.024
1935	.922	.958	.960	1.006	1.083	1.167	1.159	1.168	1.092	1.058	1.006	.973	1.046
1936	.952	.953	.949	1.053	1.118	1.150	1.162	1.111	1.129	1.077	1.001	.934	1.049
1937	.904	.911	.932	1.013	1.074	1.093	1.154	1.141	1.137	1.052	.981	.944	1.028
1938	.907	.928	.935	.964	1.031	1.170	1.134	1.156	1.089	1.055	1.029	.931	1.027
1939	.932	.886	.952	1.026	1.056	1.147	1.176	1.130	1.092	1.010	1.001	.994	1.033
1940	.945	.913	.945	1.041	1.059	1.127	1.169	1.158	1.109	1.047	.984	.976	1.039
Mean	.925	.920	.955	1.019	1.062	1.144	1.158	1.141	1.104	1.049	.985	.959	1.035

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	74.5	72.2	72.0	61.9	58.5	54.6	55.1	56.5	58.3	61.1	69.1	68.3	63.5
1932	68.9	72.8	69.0	67.8	63.1	56.6	54.1	57.0	57.9	62.6	68.8	68.6	63.9
1933	70.3	70.4	66.3	66.7	58.5	53.9	54.1	54.7	59.1	63.0	67.2	72.4	63.0
1934	72.0	73.2	68.3	67.3	60.7	60.4	54.8	55.2	59.8	63.1	68.2	70.3	64.4
1935	71.7	72.8	67.0	65.3	59.5	56.0	54.6	58.3	56.9	62.4	66.2	68.6	63.3
1936	66.9	67.4	70.6	65.2	56.6	58.3	57.3	57.7	60.3	61.7	66.9	67.8	63.1
1937	71.1	72.3	69.2	64.6	58.7	56.3	54.9	57.9	59.2	62.9	66.3	70.1	63.6
1938	70.0	69.6	68.7	63.8	60.0	59.2	57.4	55.6	57.8	61.0	64.6	67.4	62.9
1939	71.3	70.5	69.0	62.9	61.9	59.7	57.8	56.6	60.3	63.8	67.4	69.9	64.3
1940	72.0	72.3	67.5	62.5	58.7	56.7	57.2	58.5	56.6	64.3	64.7	68.9	63.3
Mean	70.9	71.4	68.8	64.8	59.6	57.2	55.7	56.8	58.6	62.6	66.9	69.2	63.5

TOTAL PRECIPITATION IN INCHES.  $h_r = 4$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	1.28	0.00	3.83	2.04	1.18	1.55	3.97	2.24	2.15	0.13	0.72	19.09
1932	0.45	2.02	0.74	0.33	4.99	4.79	2.56	2.81	2.24	0.83	0.36	1.62	23.74
1933	0.68	0.27	0.37	0.65	1.93	4.67	3.66	2.78	1.23	1.35	0.43	0.04	18.06
1934	0.54	0.46	0.60	0.16	4.37	1.79	2.97	3.35	2.12	2.11	0.45	0.21	19.13
1935	0.34	0.22	0.84	2.70	3.71	1.54	4.60	3.40	2.10	1.05	1.10	0.33	21.93
1936	2.12	0.35	1.20	0.52	2.70	2.87	2.27	3.28	2.54	0.92	0.22	1.19	20.18
1937	1.15	0.28	1.85	2.16	3.40	8.05	5.92	1.37	1.69	1.12	1.03	0.02	23.04
1938	0.96	0.25	0.65	3.13	4.79	1.97	2.72	2.78	3.35	2.41	0.93	1.21	25.15
1939	0.00	1.60	0.39	1.47	3.98	1.94	3.59	2.69	1.19	0.25	1.19	1.06	19.35
1940	0.16	1.71	1.09	3.81	3.48	4.95	2.67	1.06	2.03	1.56	1.15	0.51	24.18
Mean	0.64	0.84	0.77	1.88	3.54	3.38	3.25	2.75	2.07	1.38	0.70	0.69	21.83

\* See NOTES, p. 8.

## DURBAN,\* SOUTH AFRICA

Lat. 29°51' S. Long. 31°3' E. H<sub>b</sub> = 50 ft.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 6 $\frac{1}{2}$ <sup>h</sup>, 0 meridian  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.980	.947	1.058	1.078	1.093	1.290	1.177	1.135	1.070	1.052	1.030	.958	1.072
1932	.935	.930	.998	1.058	1.197	1.160	1.173	1.182	1.040	1.097	1.000	.952	1.060
1933	.910	.943	.958	1.088	1.115	1.110	1.177	1.185	1.157	1.010	.993	.988	1.053
1934	.952	.963	.990	1.068	1.063	1.262	1.180	1.168	1.150	1.047	.988	.980	1.063
1935	.943	1.058	1.013	1.050	1.082	1.223	1.230	1.280	1.043	1.070	1.052	1.017	1.089
1936	.935	.940	1.010	1.123	1.100	1.292	1.257	1.200	1.180	1.063	1.032	.952	1.090
1937	.938	.943	.943	1.058	1.088	1.123	1.220	1.250	1.130	1.097	1.000	.993	1.065
1938	.940	.958	.970	.985	1.082	1.253	1.207	1.182	1.097	1.060	1.017	.913	1.055
1939	.967	.898	1.008	1.035	1.132	1.273	1.233	1.173	1.153	1.040	1.010	.985	1.076
1940	.955	.938	.973	1.035	1.070	1.215	1.283	1.237	1.093	1.118	.963	.963	1.070
Mean	.946	.952	.992	1.058	1.102	1.220	1.214	1.199	1.111	1.065	1.003	.970	1.070

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	76.8	79.2	75.1	71.8	69.4	64.7	63.4	66.7	68.2	71.1	73.5	75.8	71.3
1932	75.4	76.9	75.6	74.2	67.6	66.5	64.5	66.6	70.3	70.3	73.4	74.9	71.3
1933	76.5	77.3	75.8	72.8	69.6	65.8	60.4	66.6	68.1	70.7	71.6	74.4	70.3
1934	75.2	76.1	75.3	73.8	70.9	66.9	63.9	67.8	69.4	70.6	73.4	75.0	71.5
1935	75.1	74.3	72.9	71.7	67.4	64.1	65.1	63.1	67.7	70.6	70.8	72.8	69.6
1936	74.5	75.0	75.8	71.7	66.9	65.6	65.5	67.5	67.8	68.0	69.9	74.5	70.2
1937	76.8	78.7	77.2	72.6	70.3	66.1	64.5	66.3	67.7	69.3	73.4	73.4	71.4
1938	75.5	76.5	76.8	73.7	68.2	65.7	65.8	66.0	69.3	71.4	72.1	76.4	71.5
1939	76.2	78.6	75.1	72.0	69.3	65.7	63.8	65.7	65.6	71.4	72.2	73.9	70.3
1940	77.1	78.0	77.6	72.7	69.1	66.4	64.2	67.4	69.9	70.0	73.3	77.7	72.0
Mean	75.9	77.0	75.9	72.7	68.9	65.8	64.1	66.4	68.4	70.3	72.4	74.9	71.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.92	1.47	7.29	2.10	0.90	0.80	7.47	1.86	2.22	1.67	1.71	6.20	42.61
1932	4.77	9.19	5.91	4.47	3.15	1.13	0.65	0.91	2.24	5.23	5.39	5.17	48.21
1933	3.05	1.38	3.61	2.00	2.03	0.74	1.93	0.24	1.92	3.10	6.18	7.43	33.61
1934	7.65	3.64	5.31	7.13	2.97	0.41	6.24	2.10	1.04	1.36	2.32	5.95	45.92
1935	6.32	10.68	4.86	2.51	10.93	16.83	0.82	3.85	1.17	2.99	1.72	3.43	66.11
1936	4.89	9.61	7.15	2.47	9.93	0.69	0.40	0.23	4.42	4.06	10.05	2.48	56.33
1937	3.28	6.32	1.99	3.78	0.34	3.74	1.42	7.21	1.24	3.63	3.74	9.91	45.65
1938	6.28	5.50	1.21	3.87	1.05	1.39	3.60	2.04	0.52	6.90	4.51	4.72	41.89
1939	4.68	8.64	5.96	0.69	4.88	0.52	2.15	0.78	4.44	3.93	5.58	4.59	46.84
1940	1.74	2.02	1.95	2.38	7.40	3.75	0.12	1.28	1.66	1.73	7.22	3.15	34.35
Mean	5.16	5.84	4.52	3.14	4.36	3.00	2.48	2.05	2.09	3.46	4.32	5.23	46.16

\* See NOTES, p. 9.

JOHANNESBURG,\* SOUTH AFRICA

Lat. 26°11' S. Long. 28°4' E. H<sub>b</sub> = 5,925 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of 6<sup>h</sup>, 0 meridian

24 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.315	.347	.383	.390	.398	.495	.377	.427	.373	.353	.338	.300	.375
1932	.297	.293	.340	.412	.460	.420	.430	.453	.350	.380	.330	.293	.372
1933	.277	.303	.350	.400	.420	.390	.430	.427	.415	.332	.307	.315	.364
1934	.307	.303	.343	.407	.392	.490	.410	.435	.435	.340	.323	.315	.375
1935	.293	.343	.335	.362	.368	.423	.468	.438	.335	.370	.343	.323	.367
1936	.282	.293	.335	.427	.360	.510	.477	.460	.410	.320	.303	.307	.374
1937	.282	.303	.310	.377	.418	.407	.440	.477	.365	.377	.323	.288	.356
1938	.288	.315	.340	.327	.370	.468	.427	.398	.387	.357	.335	.273	.357
1939	.300	.257	.315	.362	.403	.473	.400	.403	.377	.347	.300	.315	.354
1940	.312	.323	.338	.383	.387	.450	.498	.483	.387	.298	.293	.330	.382
Mean	.295	.308	.339	.385	.398	.453	.436	.440	.383	.357	.320	.306	.368

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of  $\frac{1}{2}$ (daily Max.+ daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	64.7	67.2	65.2	58.3	60.5	51.7	48.4	57.1	60.4	63.4	64.4	67.1	60.7
1932	67.1	65.7	64.1	62.7	55.1	51.7	49.8	56.7	62.4	64.9	65.8	66.3	61.0
1933	67.9	69.4	67.2	60.5	58.0	48.7	51.1	54.1	60.0	65.4	61.9	64.3	60.7
1934	65.0	64.9	64.8	62.8	56.6	51.3	50.6	57.1	59.3	64.2	63.0	64.7	60.4
1935	68.6	64.1	62.1	58.7	52.9	49.6	51.8	49.1	59.4	67.1	64.1	65.7	59.4
1936	66.8	65.9	63.1	60.8	52.4	52.4	50.6	55.5	56.8	61.7	62.7	62.9	59.3
1937	66.2	66.1	64.7	59.9	58.3	52.2	47.5	56.6	58.4	64.1	68.3	63.3	60.5
1938	67.3	65.1	66.4	61.3	57.2	51.4	51.1	54.1	58.9	63.4	65.1	64.9	60.5
1939	65.7	65.6	62.8	59.7	55.8	51.1	47.9	52.5	56.8	63.2	61.8	65.7	59.1
1940	67.4	67.3	65.0	59.7	55.7	50.6	51.3	56.9	58.8	62.6	65.1	67.0	60.6
Mean	66.7	66.1	64.5	60.4	56.2	51.1	50.0	55.0	59.1	64.0	64.2	65.2	60.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.60	2.66	1.61	3.54	0.00	0.16	1.65	0.00	0.05	1.24	4.96	4.80	29.37
1932	3.11	5.34	3.62	2.10	0.74	0.06	0.00	0.00	1.06	1.61	2.31	3.35	23.30
1933	2.37	2.23	4.88	2.83	0.18	0.33	0.00	0.03	0.41	1.03	11.84	6.73	32.86
1934	14.18	2.17	2.74	0.53	1.81	0.23	0.59	0.73	0.60	2.27	6.83	7.50	40.18
1935	2.46	3.22	6.72	0.90	0.11	0.00	0.04	0.48	0.18	1.09	0.76	6.47	22.43
1936	3.03	4.50	6.70	0.11	5.89	0.00	0.04	0.00	0.53	1.58	8.46	2.84	33.68
1937	10.48	6.68	3.81	2.19	0.22	0.00	0.07	0.00	0.70	1.25	3.39	9.44	38.23
1938	5.47	4.49	1.63	5.02	0.41	0.28	0.15	0.32	0.86	2.97	1.10	10.57	33.27
1939	3.00	8.57	3.17	0.19	2.44	0.00	2.06	1.22	0.77	3.40	7.85	3.87	36.54
1940	3.16	3.38	4.39	1.59	1.43	1.58	0.00	0.19	4.47	0.85	5.42	9.00	35.46
Mean	5.59	4.32	3.93	1.90	1.32	0.26	0.46	0.30	0.96	1.73	5.29	6.47	32.53

\* See NOTES, p. 10.

## KIMBERLEY,\* SOUTH AFRICA

Lat. 28°44' S. Long. 24°46' E. H<sub>b</sub> = 3,944 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(S_{\frac{1}{2}}^h + 14\frac{1}{2}^h + 20\frac{1}{2}^h)$ , 30th meridian E.  
25 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.006	1.037	1.097	1.124	1.171	1.287	1.158	1.160	1.124	1.055	1.026	.983	<b>1.102</b>
1932	.986	.983	1.054	1.132	1.213	1.222	1.224	1.215	1.069	1.085	1.006	.971	<b>1.097</b>
1933	.966	.987	1.032	1.140	1.178	1.177	1.194	1.177	1.142	1.035	.986	.999	<b>1.084</b>
1934	.986	1.022	1.051	1.137	1.141	1.277	1.183	1.175	1.169	1.040	1.006	1.018	<b>1.100</b>
1935	.979	1.053	1.049	1.097	1.144	1.234	1.239	1.233	1.092	1.068	1.056	1.013	<b>1.105</b>
1936	.966	.992	1.057	1.174	1.141	1.311	1.263	1.222	1.169	1.046	.991	.988	<b>1.110</b>
1937	.966	1.017	1.014	1.117	1.183	1.197	1.241	1.227	1.112	1.065	1.009	.983	<b>1.094</b>
1938	.983	1.007	1.034	1.044	1.128	1.261	1.216	1.160	1.127	1.061	1.049	.959	<b>1.086</b>
1939	.988	.960	1.049	1.117	1.166	1.266	1.198	1.165	1.139	1.048	1.016	1.009	<b>1.093</b>
1940	1.006	1.022	1.046	1.117	1.158	1.244	1.284	1.235	1.102	1.118	.986	.994	<b>1.109</b>
Mean	<b>.983</b>	<b>1.008</b>	<b>1.048</b>	<b>1.120</b>	<b>1.162</b>	<b>1.248</b>	<b>1.220</b>	<b>1.197</b>	<b>1.124</b>	<b>1.062</b>	<b>1.013</b>	<b>.992</b>	<b>1.098</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	76.2	75.2	72.3	61.8	61.2	52.0	49.3	56.5	61.8	67.6	72.2	76.8	<b>65.2</b>
1932	76.1	74.9	72.1	70.3	60.6	52.3	51.4	57.9	62.2	69.8	73.7	76.5	<b>66.5</b>
1933	78.6	78.3	75.1	67.1	60.8	50.7	52.4	57.3	64.8	70.9	71.5	74.6	<b>66.8</b>
1934	73.8	72.1	70.5	66.3	61.2	55.6	51.9	59.9	63.9	67.6	71.0	73.8	<b>65.6</b>
1935	78.2	74.3	67.7	62.1	54.7	50.9	52.0	52.3	59.7	72.0	69.9	75.1	<b>64.1</b>
1936	74.4	73.4	69.7	65.9	55.0	54.4	53.7	58.0	61.0	66.3	70.1	75.2	<b>64.8</b>
1937	76.1	74.5	71.6	63.6	58.9	51.5	49.6	59.6	61.6	71.1	76.3	75.4	<b>65.8</b>
1938	76.9	73.4	73.4	66.4	59.1	54.4	53.0	55.2	62.0	69.6	69.8	75.7	<b>65.7</b>
1939	77.1	73.3	70.1	63.6	57.1	53.9	51.4	55.1	60.7	68.1	70.2	77.0	<b>64.8</b>
1940	77.0	77.3	70.8	63.0	57.8	53.3	53.2	60.7	62.3	68.9	71.3	78.7	<b>66.2</b>
Mean	<b>76.4</b>	<b>74.7</b>	<b>71.3</b>	<b>65.0</b>	<b>58.6</b>	<b>52.9</b>	<b>51.8</b>	<b>57.2</b>	<b>62.0</b>	<b>69.2</b>	<b>71.6</b>	<b>75.9</b>	<b>65.6</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.01	3.68	2.73	0.98	0.00	0.01	0.54	0.05	0.00	1.50	4.26	0.27	<b>17.03</b>
1932	1.71	2.04	2.46	0.40	0.29	0.21	0.02	0.00	1.69	0.93	0.96	1.07	<b>11.78</b>
1933	0.95	0.38	0.82	1.30	0.03	0.05	0.00	0.03	0.01	0.07	3.29	3.48	<b>10.41</b>
1934	4.97	2.48	2.70	2.57	0.94	0.00	0.21	0.00	0.00	1.75	4.63	1.03	<b>21.23</b>
1935	0.86	2.21	3.15	2.36	2.86	0.54	0.00	0.22	0.25	1.02	1.08	2.38	<b>16.93</b>
1936	2.23	1.43	4.25	0.91	2.56	0.13	0.04	0.00	1.57	0.76	5.52	2.19	<b>21.59</b>
1937	2.94	3.46	2.75	0.47	0.96	0.01	0.05	0.02	0.00	0.11	0.60	2.11	<b>13.48</b>
1938	2.41	3.18	1.45	0.44	0.13	0.42	0.27	0.52	0.15	1.31	1.41	2.32	<b>14.01</b>
1939	5.67	3.51	1.95	0.27	0.68	0.01	0.64	0.99	0.01	2.22	1.64	0.36	<b>17.95</b>
1940	1.54	1.54	3.77	1.72	0.52	0.20	0.21	0.00	1.89	0.92	1.34	3.36	<b>17.01</b>
Mean	<b>2.63</b>	<b>2.39</b>	<b>2.60</b>	<b>1.14</b>	<b>0.90</b>	<b>0.16</b>	<b>0.20</b>	<b>0.18</b>	<b>0.56</b>	<b>1.06</b>	<b>2.47</b>	<b>1.86</b>	<b>16.15</b>

\* See NOTES, p. 10.

## O'OKIEP,\* SOUTH AFRICA

Lat. 29°36' S. Long. 17°52' E. H<sub>b</sub> = 3,035 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 6½<sup>h</sup>, 0 meridian  
26 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.914	.956	.971	1.001	1.009	1.018	.996	.966	.983	.944	.888	.933	.965
1932	.911	.876	.923	.963	1.026	1.079	1.066	1.071	1.001	.971	.919	.888	.975
1933	.863	.874	.908	.979	1.029	1.013	1.026	1.033	1.013	.946	.883	.874	.953
1934	.871	.874	.908	.976	.959	1.089	1.046	1.036	1.006	.956	.891	.908	.960
1935	.886	.914	.908	.919	.989	1.066	1.063	1.068	1.001	.966	.946	.906	.961
1936	.891	.888	.899	.996	1.013	1.093	1.079	1.048	1.033	.963	.899	.886	.974
1937	.868	.894	.899	.963	1.026	1.051	1.063	1.056	1.013	.949	.919	.876	.965
1938	.874	.886	.896	.908	.974	1.089	1.051	1.033	1.021	.959	.959	.863	.959
1939	.888	.856	.904	.968	.996	1.063	1.046	1.033	1.006	.929	.929	.929	.962
1940	.906	.891	.906	.976	.993	1.071	1.089	1.066	.993	.979	.911	.914	.975
Mean	.887	.891	.912	.965	1.001	1.063	1.052	1.041	1.007	.956	.914	.898	.965

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	†76.4	†76.3	†74.5	61.4	62.3	55.8	50.0	54.6	56.9	60.3	71.0	69.1	64.0
1932	70.3	71.2	71.6	73.3	59.6	53.1	50.3	57.1	54.5	64.1	68.1	70.6	63.6
1933	74.7	74.0	70.4	68.3	58.7	54.6	49.6	53.2	59.3	64.2	67.6	75.1	64.1
1934	73.8	75.9	71.2	69.2	61.8	59.8	50.6	55.4	60.1	59.6	66.3	72.3	64.7
1935	74.2	75.8	68.1	62.8	55.8	53.4	50.6	53.7	55.0	64.8	67.5	71.3	62.8
1936	66.9	66.6	72.0	68.6	54.6	57.5	55.1	58.0	62.6	60.4	64.3	67.9	62.9
1937	74.1	76.1	70.2	66.4	60.3	50.8	50.3	58.5	58.9	63.0	68.0	72.4	64.1
1938	74.8	71.9	70.4	61.4	59.7	57.5	54.4	54.9	57.3	61.3	67.3	70.6	63.5
1939	74.2	70.6	73.4	63.1	60.1	59.0	51.9	52.4	58.2	64.0	69.1	71.6	64.0
1940	73.7	73.5	68.8	63.0	58.1	55.4	54.1	59.9	56.0	67.5	63.1	70.3	63.6
Mean	73.3	73.2	71.1	65.8	59.1	55.7	51.7	55.8	57.9	62.9	67.2	71.1	63.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.33	0.17	0.73	0.36	0.53	0.00	0.34	0.90	0.28	0.61	0.00	0.02	4.27
1932	0.09	1.35	0.01	0.00	0.71	0.64	0.91	0.08	0.76	0.55	0.05	0.02	5.17
1933	0.01	0.00	0.20	0.01	0.43	1.76	1.67	0.85	0.09	0.10	0.49	0.22	5.83
1934	0.05	0.72	1.87	0.25	1.25	0.53	0.24	0.41	0.45	0.22	0.08	0.01	6.03
1935	0.00	0.09	0.02	1.53	1.48	0.68	1.23	1.06	0.34	0.00	0.05	0.01	6.49
1936	0.06	0.00	0.59	0.11	0.34	0.08	1.05	0.75	1.90	0.01	0.00	0.59	5.43
1937	0.51	0.00	0.70	0.07	0.30	1.17	1.03	0.07	0.03	0.17	0.02	0.04	4.11
1938	0.09	0.51	0.04	0.10	0.55	0.27	0.57	0.00	1.36	0.14	0.03	0.02	3.68
1939	0.04	0.48	0.03	0.13	1.07	0.20	1.32	3.52	0.36	0.06	0.04	0.00	7.42
1940	0.15	0.48	0.10	1.15	0.30	0.86	0.21	0.12	1.25	0.10	2.65	0.10	7.47
Mean	0.13	0.38	0.43	0.37	0.70	0.62	0.86	0.78	0.70	0.20	0.34	0.10	5.60

\* See NOTES, p. 11.

† Interpolated values (original minimum values missing).

## PORT ELIZABETH,\* SOUTH AFRICA

Lat. 33°59' S. Long. 25°37' E.  $h_t = 181$  ft.PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 6½<sup>h</sup>, 0 meridian  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.806	.798	.853	.880	.883	1.066	1.006	.928	.880	.880	.836	.776	.883
1932	.773	.756	.826	.848	.943	.940	.966	.963	.876	.903	.803	.795	.866
1933	.738	.756	.795	.876	.903	.868	.956	.966	.943	.823	.830	.815	.856
1934	.765	.773	.810	.871	.833	1.010	.978	.960	.910	.860	.780	.813	.864
1935	.760	.856	.826	.865	.893	1.016	.986	1.078	.871	.876	.890	.840	.896
1936	.771	.776	.818	.916	.920	1.033	1.033	.973	.973	.895	.883	.768	.897
1937	.756	.771	.753	.853	.863	.886	.990	.993	.956	.893	.813	.826	.863
1938	.756	.783	.780	.810	.868	1.036	.990	1.006	.886	.880	.853	.776	.869
1939	.806	.788	.843	.836	.910	1.028	1.025	.956	.966	.851	.826	.843	.886
1940	.773	.753	.793	.856	.876	.978	1.033	.993	.901	.913	.798	.801	.872
Mean	.770	.776	.810	.861	.839	.986	.996	.982	.916	.877	.831	.805	.875

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	71.6	72.3	70.8	63.9	62.6	58.8	56.8	59.3	60.9	62.0	67.8	68.6	64.6
1932	68.1	70.9	69.9	70.0	65.2	59.1	58.9	61.6	60.8	62.7	66.3	67.3	65.1
1933	70.6	69.6	68.1	66.6	62.7	57.4	57.8	56.9	60.8	63.9	66.2	69.5	64.2
1934	69.1	70.5	68.1	69.7	66.8	63.1	55.8	59.4	63.2	63.3	66.7	68.5	65.4
1935	70.6	69.8	66.5	65.6	60.3	59.1	56.9	58.4	59.9	62.4	63.0	65.7	63.2
1936	67.3	68.2	71.2	67.0	61.0	61.7	60.1	62.4	61.8	61.5	63.3	68.2	64.5
1937	70.7	73.9	69.1	66.8	63.7	59.2	59.4	61.7	59.5	62.6	66.1	68.3	65.1
1938	69.6	69.6	70.6	65.8	62.0	60.3	60.2	57.2	62.9	62.5	64.5	68.8	64.5
1939	70.6	70.0	68.8	64.9	63.9	60.8	58.3	59.0	61.1	63.9	66.8	68.9	64.8
1940	71.7	73.4	68.4	65.4	63.7	61.0	61.1	62.1	60.7	64.9	65.1	70.4	65.7
Mean	70.0	70.8	69.2	66.6	63.2	60.0	58.5	59.8	61.2	63.0	65.6	68.4	64.7

TOTAL PRECIPITATION IN INCHES.  $h_t = 4$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.59	0.46	2.27	4.21	0.80	1.19	3.95	1.24	4.64	5.26	0.05	5.19	30.85
1932	2.44	0.63	2.35	0.07	0.68	1.74	4.34	0.89	11.61	2.34	4.46	0.49	32.04
1933	0.61	3.44	2.10	2.89	1.63	1.28	1.27	6.17	1.48	0.66	2.06	1.57	25.16
1934	1.89	0.98	2.71	0.68	0.84	0.93	3.46	2.17	0.87	3.74	1.72	0.20	20.19
1935	1.17	0.76	0.89	3.69	9.28	0.97	1.85	2.05	2.50	1.94	3.50	1.41	30.01
1936	1.08	0.92	1.15	1.77	3.09	0.21	2.26	0.19	2.09	3.25	4.66	1.14	21.81
1937	0.50	0.55	1.60	0.44	1.65	1.79	2.29	0.76	3.14	2.37	3.99	1.92	21.00
1938	1.54	0.67	1.92	0.74	3.25	1.81	0.53	1.26	1.40	1.78	2.22	0.28	17.40
1939	0.40	3.09	2.12	1.47	2.27	0.92	3.35	3.19	0.74	1.14	1.84	3.77	24.30
1940	1.79	2.47	3.35	0.48	1.12	1.49	1.86	0.44	2.44	1.37	4.48	0.34	21.63
Mean	1.30	1.40	2.05	1.64	2.46	1.23	2.52	1.84	3.09	2.38	2.90	1.63	24.44

\* See NOTES, p. 11.

## TABORA,\* TANGANYIKA

Lat. 5°3' S. Long. 32°53' E. H<sub>b</sub> = 4,151 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours

800 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	73.8	73.0	74.7	74.2	75.6	76.9	75.1	75.7	74.3	73.9	72.7	74.2	74.5
1932	73.7	73.6	73.8	74.3	75.9	76.0	75.6	74.8	74.0	73.4	73.1	73.4	74.3
1933	73.0	73.1	73.2	73.8	75.2	75.4	76.4	75.4	74.4	72.9	72.0	72.6	73.9
1934	72.9	72.7	72.6	73.6	74.4	75.3	75.1	75.3	74.1	73.4	72.8	73.5	73.8
1935	73.0	73.6	72.9	73.6	74.9	75.3	76.4	74.9	73.8	73.5	72.9	73.6	74.0
1936	73.8	73.7	73.7	74.8	74.8	76.5	76.8	75.4	74.3	73.3	72.9	73.3	74.4
1937	73.0	73.1	73.4	74.5	75.6	76.2	76.1	75.7	74.5	74.0	73.7	73.3	74.4
1938	72.7	73.8	72.9	73.4	74.4	76.0	75.6	74.3	74.2	73.4	73.2	72.6	73.9
1939	73.4	73.0	72.6	74.1	75.1	76.2	75.8	75.4	74.7	72.9	73.3	74.5	74.3
1940	73.9	74.1	74.0	74.7	74.9	76.2	76.9	76.0	74.6	73.8	73.0	74.2	74.7
Mean	73.3	73.4	73.4	74.1	75.1	76.0	76.0	75.3	74.3	73.4	73.0	73.5	74.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 4 ft.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.0	23.7	22.1	22.4	22.0	21.9	22.6	23.3	24.7	26.2	24.4	21.1	23.0
1932	22.9	21.7	21.0	21.5	21.2	21.1	21.0	22.7	24.9	25.6	25.4	22.0	22.6
1933	21.5	21.3	22.3	22.3	22.4	21.9	21.4	22.5	23.4	24.5	25.2	21.7	22.5
1934	20.7	21.3	20.9	21.8	21.6	21.5	21.9	22.8	24.2	24.7	23.1	21.3	22.1
1935	22.2	20.7	22.2	21.4	21.4	21.3	20.8	22.3	24.7	25.1	25.6	21.7	22.5
1936	20.8	21.4	21.8	20.8	21.6	20.3	20.8	22.2	24.2	25.9	25.5	21.9	22.3
1937	21.5	21.8	20.7	20.7	20.6	20.3	20.5	21.5	24.2	24.9	22.2	22.0	21.7
1938	23.1	21.7	20.9	22.1	22.1	21.3	21.5	22.5	24.3	24.9	23.9	22.1	22.5
1939	22.3	21.9	21.6	21.5	21.5	21.0	22.2	22.8	24.2	25.9	24.1	22.5	22.6
1940	20.8	22.0	21.3	22.4	22.4	22.4	21.9	23.3	25.2	26.4	24.1	22.9	22.9
Mean	21.8	21.7	21.5	21.7	21.7	21.3	21.5	22.6	24.4	25.4	24.3	21.9	22.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.33	4.66	5.34	5.43	0.04	0.00	0.04	0.02	0.05	0.01	4.98	12.52	36.42
1932	2.26	5.37	8.19	5.91	1.04	0.00	0.00	0.00	0.00	0.03	1.32	9.36	33.48
1933	7.41	6.70	3.57	2.35	0.51	0.22	0.01	0.01	0.73	1.55	1.31	5.85	30.22
1934	7.76	3.50	7.05	2.32	0.91	0.00	0.00	0.00	0.00	0.64	4.60	8.84	35.62
1935	2.93	5.28	4.06	5.06	3.21	0.63	0.00	0.00	0.02	0.43	1.22	5.83	23.67
1936	6.72	8.61	5.67	8.90	0.13	0.21	0.00	0.00	0.00	0.21	1.08	10.35	41.88
1937	4.58	4.75	14.87	5.81	5.69	0.00	0.00	0.00	0.03	0.26	10.36	2.95	49.30
1938	2.53	6.97	10.40	1.11	0.00	0.00	0.00	0.00	0.00	0.46	3.65	6.19	31.31
1939	4.65	2.88	5.73	10.74	0.19	0.00	0.00	0.00	0.42	0.02	2.14	6.57	33.34
1940	7.36	6.05	6.26	0.74	2.82	0.00	0.00	0.00	0.00	0.00	3.28	3.88	30.39
Mean	4.95	5.48	7.11	4.84	1.45	0.11	0.01	0.00	0.13	0.36	3.39	7.23	35.06

\* See NOTES, p. 12.

## ENTEKBE,\* UGANDA

Lat. 0°4' N. Long. 32°29' E. H = 3,878 ft.  
 TEMPERATURE IN DEGREES C. h<sub>t</sub> = 4 ft.  
 Means of  $\frac{1}{2}$ (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.3	22.0	22.0	22.3	22.1	21.8	20.8	21.2	21.5	22.1	22.5	21.6	21.8
1932	22.7	22.3	21.3	22.2	21.3	21.1	20.4	20.7	21.3	22.1	22.1	21.8	21.6
1933	22.5	21.9	21.9	22.1	21.7	21.3	20.3	20.7	20.9	21.3	21.9	21.4	21.5
1934	22.1	22.6	22.1	21.6	21.8	21.1	20.9	21.2	21.8	21.8	21.8	21.7	21.7
1935	22.5	21.7	22.7	21.9	20.9	20.7	20.6	20.8	21.4	21.9	22.3	21.7	21.6
1936	21.3	21.4	22.1	21.3	21.9	20.8	20.4	20.9	21.1	22.2	22.1	21.3	21.4
1937	22.4	21.9	22.0	21.7	21.3	20.8	20.6	20.6	21.7	21.7	21.3	21.4	21.4
1938	22.2	22.9	21.9	22.1	21.4	20.7	20.3	20.7	21.2	21.6	21.7	22.1	21.6
1939	22.3	22.3	22.4	21.8	21.6	21.1	20.9	21.0	21.3	21.8	21.6	21.9	21.7
1940	21.4	21.8	21.6	21.9	21.9	21.6	20.3	20.8	21.3	22.2	21.7	22.2	21.6
Mean	22.2	22.1	22.0	21.9	21.6	21.1	20.5	20.9	21.3	21.9	21.9	21.7	21.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.27	3.24	4.86	12.62	13.22	3.88	7.94	2.54	3.17	5.49	5.61	1.35	63.19
1932	4.07	2.66	13.65	11.18	16.11	3.44	2.32	3.18	2.24	1.47	5.96	4.63	70.91
1933	5.17	3.83	6.52	7.28	9.30	2.77	4.41	4.14	3.51	3.43	1.55	5.93	57.84
1934	0.32	2.12	5.08	9.97	11.15	3.26	2.46	2.84	1.07	3.93	2.75	6.04	50.99
1935	0.69	5.32	4.50	9.77	10.22	4.67	1.28	1.77	4.70	3.95	9.09	6.58	62.54
1936	4.61	4.44	8.43	16.42	6.09	13.23	3.58	1.48	1.82	3.67	5.33	3.74	72.64
1937	0.72	4.27	7.73	8.71	12.93	5.80	4.16	2.07	4.42	4.02	8.50	4.08	67.41
1938	1.43	1.27	5.67	9.08	7.20	3.44	0.65	1.42	2.05	3.95	2.42	3.95	42.53
1939	1.07	2.77	3.61	3.57	8.20	2.59	0.73	3.51	2.45	1.84	6.72	2.24	39.30
1940	3.40	5.79	7.71	12.04	9.78	3.06	4.58	3.43	3.05	3.12	5.81	1.26	63.03
Mean	2.53	3.57	6.78	10.06	10.42	4.61	3.21	2.64	2.85	3.49	5.37	3.98	59.56

\* See NOTES, p. 12.



## KAMPALA,\* UGANDA

Lat. 0°20' N. Long. 32°36' E. H<sub>b</sub> = 4,304 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 41°15' E.

800 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	68.5	67.5	68.9	69.5	69.6	71.0	69.8	70.2	69.1	69.2	67.7	68.5	69.1
1932	67.9	67.8	68.2	68.2	70.0	69.9	69.6	69.1	69.1	68.3	68.1	68.0	68.7
1933	67.0	67.4	67.2	68.0	69.6	69.5	70.4	69.8	69.4	68.3	67.5	67.5	68.5
1934	67.3	67.2	67.1	68.3	69.0	69.6	69.9	70.0	68.9	68.5	68.0	68.3	68.5
1935	67.9	68.5	67.6	68.3	69.7	70.1	70.6	69.5	69.1	68.7	68.3	68.5	68.9
1936	68.5	68.5	68.4	69.2	69.1	70.9	71.2	70.1	69.7	69.0	68.5	68.5	69.3
1937	67.9	68.2	67.8	69.0	70.1	70.8	70.6	70.1	69.4	69.2	68.9	68.5	69.2
1938	67.7	68.2	67.5	67.9	69.1	70.7	70.3	69.2	69.1	68.8	68.5	67.7	68.7
1939	68.4	67.8	67.3	69.2	69.9	71.0	71.1	70.5	70.1	68.4	69.0	69.6	69.4
1940	68.6	68.9	68.9	69.4	69.8	71.0	71.8	71.3	69.9	69.6	68.8	69.5	69.8
Mean	68.0	68.0	67.9	68.7	69.6	70.5	70.5	70.0	69.4	68.8	68.3	68.5	69.0

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 4 ft.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.3	23.6	21.7	21.2	21.2	20.9	19.9	20.3	20.5	21.3	21.1	21.1	21.3
1932	22.8	22.4	20.6	21.3	20.1	20.5	19.4	19.9	19.6	20.8	21.0	20.9	20.8
1933	21.7	21.3	21.5	21.5	20.8	20.8	20.3	19.7	20.0	20.4	21.5	20.7	20.8
1934	22.1	22.4	21.3	20.7	20.6	20.3	19.8	20.0	20.9	20.5	20.8	21.2	20.9
1935	22.9	21.0	21.9	21.1	20.3	19.9	20.4	20.6	20.7	20.7	21.8	20.9	21.0
1936	20.9	20.8	21.6	20.5	21.3	19.8	20.1	20.3	20.4	21.3	22.0	21.2	20.8
1937	22.5	21.7	21.5	20.8	20.4	20.4	20.1	20.7	21.6	21.2	20.5	21.5	21.1
1938	23.0	22.9	21.5	21.5	20.7	20.1	19.9	20.1	20.3	20.7	21.3	21.5	21.1
1939	22.1	21.7	21.9	20.9	20.6	20.4	20.2	20.3	20.8	21.1	21.2	22.3	21.1
1940	21.1	21.7	21.5	21.3	20.9	21.1	19.9	20.2	21.3	22.0	20.9	22.4	21.2
Mean	22.1	21.9	21.5	21.1	20.7	20.4	20.0	20.2	20.6	21.0	21.2	21.4	21.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.82	0.87	8.96	9.96	5.35	3.05	3.77	1.29	4.29	4.88	6.08	1.88	53.20
1932	0.61	0.72	10.25	4.79	4.81	0.84	2.21	2.20	6.28	3.12	4.73	4.16	44.72
1933	3.35	2.26	5.34	4.75	3.60	2.10	0.60	4.83	4.24	5.20	0.92	5.13	42.32
1934	0.50	2.70	3.05	10.08	4.31	2.59	2.03	3.28	4.57	5.20	1.84	4.07	44.22
1935	0.94	6.01	3.77	2.70	8.15	5.56	0.14	3.99	5.00	5.20	4.22	6.59	52.27
1936	2.68	2.63	7.15	14.87	2.54	5.47	0.76	1.70	3.52	3.45	3.61	4.44	52.32
1937	0.50	4.37	3.24	9.77	7.73	2.51	3.85	0.64	2.88	3.49	10.11	2.23	51.32
1938	0.72	0.78	5.11	7.23	4.08	1.12	1.74	3.03	2.99	5.49	3.54	4.09	40.52
1939	3.12	1.52	2.80	3.67	8.20	2.23	0.93	1.79	3.58	5.07	4.19	2.29	39.39
1940	3.94	2.87	7.52	6.39	6.90	1.89	1.31	3.95	1.56	1.88	4.81	1.51	44.53
Mean	1.92	2.47	5.72	7.42	5.57	2.74	1.73	2.67	3.89	4.30	4.40	3.70	46.53

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	5.5	3.6	6.3	7.5	7.2	8.9	8.3	8.3	7.2	6.8	5.3	6.1	6.8
1932	4.7	4.8	6.0	5.8	8.3	8.0	8.4	7.6	7.7	6.3	5.9	5.9	6.6
1933	4.4	5.0	4.7	5.5	7.6	7.5	8.5	8.4	7.8	6.4	5.0	5.5	6.2
1934	4.4	4.2	4.7	6.3	7.0	7.7	8.4	8.4	6.8	6.6	6.0	5.9	6.4
1935	4.7	6.3	5.0	5.9	7.8	8.6	8.7	7.5	7.1	6.7	5.7	6.4	6.7
1936	6.4	6.5	5.9	7.3	6.7	9.4	9.5	8.2	7.8	6.6	5.8	6.1	7.2
1937	4.8	5.6	5.3	7.0	8.2	8.9	8.9	8.1	6.9	6.8	7.0	6.0	7.0
1938	4.3	5.0	5.0	5.4	7.1	8.8	8.8	7.5	7.5	6.8	6.1	8.2	6.7
1939	5.5	5.2	4.7	7.1	7.9	9.1	9.4	8.6	8.9	6.0	6.6	6.6	7.1
1940	6.2	6.3	6.4	7.0	7.7	8.6	10.3	9.6	7.5	6.9	6.7	6.5	7.5
Mean	5.1	5.3	5.4	6.5	7.6	8.6	8.9	8.2	7.5	6.6	6.0	6.3	6.8

\* See NOTES, p. 13.



# ASIA

## ADEN,\* ARABIA

Lat. 12°49' N. Long. 45°2' E. H<sub>b</sub> = 98 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 9<sup>h</sup> 30<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.898	.834	.851	.769	.716	.626	.564	.568	.665	.777	.866	.924	.755
1932	.953	.920	.870	.794	.707	.598	.539	.544	.668	.781	.906	.932	.768
1933	.944	.919	.886	.812	.691	.606	.541	.504	.575	.714	.837	.895	.744
1934	.942	.932	.889	.826	.715	.589	.534	.502	.573	.720	.853	.877	.746
1935	.937	.937	.888	.825	.680	.617	.546	.537	.563	.728	.839	.924	.752
1936	.956	.936	.921	.778	.636	.605	.544	.529	.598	.715	.870	.924	.751
1937	.937	.918	.851	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	.938	.914	.879	.801	.691	.607	.545	.531	.607	.739	.862	.913	†.752

TEMPERATURE IN DEGREES F. h<sub>r</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.) ‡

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	78.5	80.1	82.1	85.3	88.9	91.0	90.2	83.5	88.8	87.1	81.9	78.3	84.6
1932	77.1	77.9	80.8	84.9	87.7	89.9	...	86.6	88.3	86.6	82.1	79.8	...
1933	79.5	80.7	82.3	86.3	88.8	90.5	88.4	87.4	87.3	84.9	81.7	78.8	84.7
1934	77.1	76.9	80.3	84.3	87.7	89.3	88.3	...	88.7	85.0	80.6	79.1	...
1935	77.9	77.1	81.5	83.9	86.8	89.0	88.3	86.9	87.5	85.7	82.7	80.1	83.9
1936	78.9	80.0	81.7	84.5	90.0	90.7	88.1	88.0	87.5	84.5	80.1	78.5	84.4
1937	77.4	78.5	80.0	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	78.1	77.3	81.2	84.9	88.3	90.1	88.7	86.5	88.0	85.6	81.5	79.1	†84.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	1.98	0.00	0.00	0.06	2.27
1932	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.00	0.80
1933	0.18	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.18	0.15	0.74
1934	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.47
1935	2.18	0.00	0.00	0.05	0.47	0.00	0.00	0.12	0.96	0.00	0.00	0.03	3.81
1936	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
1937	0.07	0.02	0.00	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	0.39	0.09	0.01	0.01	0.08	0.00	0.00	0.02	0.49	0.02	0.19	0.04	§1.34

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.9	13.7	14.3	11.5	9.7	6.6	4.5	4.7	8.0	11.7	14.8	16.8	8.2
1932	17.7	16.7	14.0	12.4	9.4	5.7	3.6	3.8	8.1	11.9	16.2	17.1	11.4
1933	17.5	16.6	15.5	13.0	8.7	6.0	3.7	2.5	4.9	9.6	13.9	15.6	10.6
1934	17.4	17.0	15.6	13.4	9.7	5.3	3.5	2.4	5.9	9.9	14.5	15.2	10.7
1935	17.3	17.2	15.5	13.3	8.5	6.3	3.9	3.6	4.5	10.1	13.9	16.8	10.9
1936	17.9	17.2	16.6	11.8	7.0	5.9	3.8	3.3	5.6	9.6	15.0	16.8	10.9
1937	17.2	16.6	14.3	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 13.

† Mean of 12 monthly means.

‡ The monthly temperatures are higher than those given in the two preceding volumes. EDITOR.

§ Sum of 12 monthly means.

## MUSCAT,\* ARABIA

Lat. 23°37' N. Long. 58°35' E. h<sub>r</sub> = 34 ft.\*

TOTAL PRECIPITATION IN INCHES.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	0.00	0.00	0.00	0.00	0.00	...
1936	5.63	0.22	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	7.43
1937	1.14	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	3.96
1938	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.79	1.19
1939	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	3.87
1940	0.81	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	3.39
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 13.

## AKYAB,\* BURMA

Lat. 20°8' N. Long. 92°55' E. H<sub>0</sub> = 20 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 18<sup>m</sup>, Burma standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.982	.939	.906	.839	.748	.648	.661	.588	.751	.842	.951	.957	.816
1932	1.045	.932	.896	.831	.736	.610	.579	.719	†.705	.837	.900	.981	.814
1933	.966	.898	.858	.839	.746	.615	.633	.721	.725	.827	.904	.942	.806
1934	.937	.913	.858	.812	.756	.680	.612	.675	.710	.851	.919	1.016	.812
1935	.997	.924	.870	.809	.706	.658	.591	.716	.698	.813	.919	.961	.805
1936	.962	.929	.906	.792	.707	.654	.632	.650	.759	.882	.948	.947	.814
1937	.961	.935	.834	.794	.743	.597	.596	.639	.753	.858	.897	.916	.794
1938	.982	.930	.845	.815	.670	.640	.656	.681	.722	.802	.906	.937	.799
1939	.972	.940	.853	.813	.703	.638	.577	.614	.734	.858	.870	1.063	.803
1940	.997	.972	.890	.854	.728	.643	.643	.663	.770	.901	.914	1.003	.832
Mean	.980	.931	.872	.820	.734	.638	.618	.667	.733	.847	.913	.972	.810

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	70.8	74.1	77.7	83.7	82.9	82.1	79.9	80.1	81.7	81.7	75.9	73.9	78.7
1932	69.7	71.3	78.0	82.5	83.9	81.7	79.5	79.7	80.8	82.7	79.3	71.6	73.4
1933	68.6	72.7	77.9	81.2	83.2	80.0	80.1	80.0	81.7	81.8	77.9	71.2	73.0
1934	69.2	71.8	77.9	82.7	84.5	80.7	80.3	80.3	80.7	81.3	74.5	69.9	77.3
1935	68.2	71.9	77.9	82.9	86.3	81.3	80.0	80.1	80.3	80.6	76.1	71.2	73.1
1936	68.5	71.5	77.8	82.8	82.5	79.7	80.5	80.1	80.7	80.5	78.9	71.7	77.9
1937	66.7	72.2	76.3	83.1	83.4	81.5	80.3	80.3	81.3	81.5	76.9	71.4	77.9
1938	71.9	71.9	78.6	84.1	80.5	81.0	80.1	79.6	81.1	80.0	76.4	71.7	78.1
1939	70.4	73.1	78.7	83.7	82.7	80.7	79.9	80.5	80.1	82.1	79.9	72.9	78.7
1940	68.5	71.6	76.4	83.1	82.6	80.1	79.9	79.8	81.1	81.9	78.1	72.5	78.0
Mean	69.3	72.2	77.7	83.0	83.3	80.9	80.1	80.1	81.0	81.4	77.4	71.8	78.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.22	0.03	17.34	42.60	49.85	58.30	19.60	10.29	4.39	0.63	203.25
1932	0.00	0.33	0.00	0.66	12.73	33.42	66.11	35.97	27.00	3.61	2.71	0.00	182.54
1933	0.00	0.00	0.00	3.75	29.49	31.72	33.64	29.36	27.62	9.62	4.20	0.00	169.40
1934	0.00	0.00	0.00	0.58	5.83	33.55	37.65	29.33	32.92	21.20	7.94	0.02	163.92
1935	0.00	0.00	0.00	0.20	4.54	29.21	54.17	26.99	31.32	15.66	0.65	0.00	162.74
1936	0.00	0.00	0.00	1.44	21.83	42.36	27.42	32.69	23.29	10.03	0.14	0.00	159.20
1937	0.00	0.28	0.00	0.14	14.84	41.26	49.66	32.61	21.71	8.41	0.16	7.31	176.38
1938	0.00	0.14	0.00	0.08	44.85	32.75	50.82	37.14	26.17	21.44	2.04	0.00	215.43
1939	0.00	0.00	0.00	1.50	19.40	39.39	57.06	39.00	38.69	3.97	7.10	0.00	206.11
1940	0.00	0.00	2.74	0.00	18.87	52.36	47.89	48.68	14.81	10.63	0.71	1.11	197.80
Mean	0.00	0.08	0.30	0.84	18.97	37.86	47.42	37.01	26.31	11.49	3.00	0.91	184.18

\* See NOTES, p. 14.

† Mean of 29 days.

## MANDALAY,\* BURMA

Lat. 21°59' N. Long. 96°6' E. H<sub>b</sub> = 252 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup>, Burma standard time  
29 inches ±

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.745	.676	.639	.550	.488	.405	.412	.365	.516	.621	.726	.739	.574
1932	.811	.680	.628	.563	.476	.386	.362	.449	.474	.604	.670	.747	.571
1933	.712	.636	.585	.552	.505	.382	.404	.480	.497	.588	.663	.703	.559
1934	.682	.645	.566	.501	.456	.442	.385	.450	.475	.626	.686	.794	.559
1935	.761	.653	.592	.518	.428	.409	.387	.479	.487	.587	.707	.755	.564
1936	.725	.679	.642	.527	.470	.439	.408	.434	.531	.671	.711	.718	.580
1937	.718	.679	.557	.532	.511	.398	.383	.408	.546	.644	.676	.726	.565
1938	.764	.687	.561	.549	.459	.424	.425	.445	.502	.594	.700	.717	.569
1939	.754	.688	.584	.515	.447	.404	.352	.401	.514	.630	.651	.830	.564
1940	.760	.710	.616	.568	.482	.420	.408	.438	.534	.664	.696	.775	.589
Mean	.743	.673	.597	.538	.472	.411	.393	.435	.508	.623	.689	.750	.569

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.\*  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	71.8	78.1	83.3	91.8	89.7	90.3	87.8	88.8	84.6	84.3	75.5	73.9	83.3
1932	71.0	73.4	83.1	88.5	91.7	87.7	86.5	85.2	86.1	84.6	81.2	72.9	82.7
1933	71.7	76.0	84.1	87.9	86.3	85.5	86.1	84.1	85.6	84.9	79.9	71.9	82.0
1934	72.3	75.7	83.1	90.3	92.1	87.4	85.2	84.7	86.1	83.5	75.9	67.5	82.0
1935	67.6	74.1	83.2	86.6	92.1	87.0	86.2	85.5	85.6	82.7	76.4	70.8	81.5
1936	69.0	72.3	83.8	88.4	88.9	83.8	85.2	84.9	84.4	81.0	80.5	73.0	81.3
1937	68.1	75.5	81.6	89.5	86.1	86.1	87.0	83.8	84.7	84.3	78.5	70.4	81.3
1938	71.2	74.4	85.3	90.6	84.9	85.3	86.2	83.9	85.3	82.3	76.3	72.4	81.5
1939	67.1	73.3	80.7	90.2	87.2	84.5	84.9	83.2	82.7	82.1	77.9	69.8	80.3
1940	65.9	73.5	76.9	89.9	86.1	84.3	84.7	83.3	83.0	82.1	75.1	70.1	79.6
Mean	69.6	74.6	82.5	89.4	88.5	86.2	86.0	84.7	84.8	83.2	77.7	71.3	81.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.10	0.24	3.87	2.73	0.73	1.85	8.68	2.11	1.83	1.47	23.61
1932	0.00	0.22	0.00	1.68	5.64	1.75	6.80	6.93	2.27	11.23	2.73	0.00	39.34
1933	0.00	0.00	0.18	1.39	9.92	6.41	1.34	2.73	3.78	2.36	1.22	0.00	29.33
1934	0.00	0.00	0.00	1.14	1.28	2.27	5.69	2.56	5.30	6.94	2.46	0.00	27.64
1935	0.00	0.00	0.00	3.35	2.35	3.22	2.89	1.92	7.31	5.65	7.50	0.00	34.19
1936	0.00	0.66	0.00	0.69	6.95	4.33	1.86	1.84	4.72	6.11	0.00	0.00	27.16
1937	0.00	0.49	0.00	3.47	6.98	3.60	4.11	8.86	8.83	2.57	0.00	4.36	43.27
1938	0.00	0.00	0.00	1.27	13.63	3.24	2.31	4.89	5.79	5.77	3.63	0.00	40.53
1939	0.06	0.00	0.73	0.49	7.39	4.80	4.06	15.36	11.20	1.06	0.63	0.00	45.23
1940	0.00	0.00	0.92	0.22	10.51	2.53	2.37	7.62	8.84	4.38	0.04	1.18	38.61
Mean	0.01	0.14	0.20	1.39	6.85	3.44	3.22	5.46	6.87	4.82	2.00	0.70	34.90

\* See NOTES, p. 14.

## MERGUI, BURMA

Lat. 12°26' N. Long. 98°36' E. H = 66 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 7<sup>h</sup> 56<sup>m</sup>, Burma standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.868	.850	.848	.801	.748	.723	.760	.696	.752	.804	.847	.844	.794
1932	.932	.850	.831	.791	.743	.714	.704	.755	.741	.790	.819	.864	.795
1933	.850	.820	.806	.798	.761	.733	.725	.753	.754	.781	.812	.831	.736
1934	.847	.848	.805	.786	.754	.742	.713	.763	.769	.819	.846	.914	.801
1935	.891	.847	.813	.765	.720	.740	.710	.763	.771	.775	.836	.859	.791
1936	.865	.858	.853	.785	.735	.758	.734	.756	.776	.841	.867	.833	.805
1937	.854	.860	.786	.755	.754	.716	.704	.721	.783	.829	.816	.836	.784
1938	.884	.844	.784	.773	.724	.721	.727	.734	.753	.795	.833	.829	.783
1939	.862	.855	.796	.775	.727	.729	.721	.709	.786	.811	.794	.944	.792
1940	.893	.889	.830	.815	.737	.735	.751	.754	.789	.847	.818	.882	.812
Mean	.875	.852	.815	.784	.740	.731	.725	.741	.767	.809	.829	.864	.794

TEMPERATURE IN DEGREES F.  
Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	79.8	81.6	82.0	83.3	83.3	81.0	79.7	79.5	80.7	79.5	78.7	79.1	80.7
1932	75.6	78.8	80.5	82.3	82.9	79.1	77.9	80.3	77.9	79.9	79.6	76.0	79.2
1933	79.8	79.9	81.1	82.5	83.3	78.9	78.7	79.9	78.8	79.3	78.9	77.5	79.9
1934	77.8	78.1	81.5	81.9	80.7	80.5	79.5	78.1	78.1	80.3	79.7	74.1	79.2
1935	78.5	78.9	82.1	82.6	81.3	80.1	78.7	79.3	77.5	80.3	79.9	79.0	79.9
1936	76.4	78.2	81.0	82.9	81.9	79.4	78.9	78.0	79.1	78.8	79.3	79.9	79.5
1937	78.1	79.7	80.7	82.5	81.9	80.1	79.1	79.3	79.5	80.1	81.5	78.4	80.0
1938	79.5	80.9	82.3	83.9	82.6	80.1	78.9	80.2	79.4	79.5	80.5	80.2	80.7
1939	79.6	81.1	81.5	83.2	80.5	79.5	79.5	79.5	78.7	79.9	80.1	75.0	79.8
1940	74.2	79.7	81.5	84.7	82.5	79.8	79.5	78.1	79.1	80.9	81.1	79.5	80.1
Mean	77.9	79.7	81.4	83.0	82.1	79.9	79.0	79.2	78.9	79.9	79.9	77.9	79.9

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 36 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.72	2.19	0.97	2.01	9.73	34.50	24.21	41.91	13.19	14.05	1.02	0.67	145.17
1932	0.66	4.08	3.45	6.62	10.42	26.61	48.22	7.04	25.24	9.17	7.40	0.58	149.49
1933	1.20	1.56	2.74	4.21	14.73	35.21	47.15	21.79	29.21	9.46	0.51	0.00	167.77
1934	0.17	0.04	0.21	7.87	12.51	17.08	34.19	32.61	27.68	5.97	5.52	1.71	145.56
1935	3.04	0.61	2.46	8.99	17.08	19.97	35.36	32.52	36.95	13.22	8.89	0.95	180.04
1936	0.47	3.69	4.24	4.90	25.54	25.36	26.67	30.60	20.64	7.41	2.06	0.57	152.15
1937	3.81	2.69	2.92	10.89	13.95	46.12	33.53	31.37	19.25	12.47	2.56	4.02	183.58
1938	0.69	1.35	2.19	6.51	14.17	27.22	21.86	25.65	26.56	20.24	4.87	1.93	153.24
1939	0.54	1.19	4.08	2.00	16.01	34.92	31.42	27.92	23.74	12.42	8.12	0.00	162.36
1940	0.00	1.57	0.00	1.15	17.79	31.95	24.41	39.20	17.42	11.25	1.82	2.57	149.13
Mean	1.13	1.90	2.33	5.52	15.19	29.89	32.70	29.06	23.99	11.57	4.23	1.30	158.9

## RANGOON, BURMA

Lat. 16°46' N. Long. 96°11' E.  $H_b = 18$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>b</sup> 5<sup>m</sup>, Burma standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.945	.905	.895	.841	.770	.703	.748	.676	.784	.850	.930	.934	.832
1932	1.017	.911	.884	.836	.764	.691	.677	.763	.750	.841	.893	.957	.832
1933	.932	.874	.852	.838	.780	.703	.704	.770	.759	.827	.886	.920	.820
1934	.915	.900	.847	.819	.762	.735	.687	.734	.746	.850	.892	.978	.822
1935	.947	.886	.844	.791	.721	.721	.680	.759	.743	.803	.884	.926	.809
1936	.925	.897	.892	.804	.739	.717	.697	.716	.774	.884	.922	.898	.822
1937	.909	.898	.812	.782	.768	.686	.671	.699	.783	.859	.865	.888	.802
1938	.945	.885	.825	.806	.714	.706	.707	.720	.755	.804	.883	.899	.804
1939	.930	.901	.835	.805	.723	.695	.671	.675	.770	.847	.849	1.031	.811
1940	.957	.934	.864	.843	.747	.704	.717	.719	.788	.890	.886	.962	.834
Mean	.942	.899	.855	.817	.749	.708	.696	.723	.765	.846	.889	.939	.819

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.Means of  $\frac{1}{2}$  (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	79.7	82.1	83.3	87.7	85.6	82.5	80.8	80.9	82.2	82.5	81.2	80.0	82.4
1932	77.7	79.1	83.3	86.2	86.1	81.5	80.1	81.9	81.1	82.8	82.7	78.3	81.7
1933	79.6	79.9	83.6	86.0	85.1	80.4	80.6	81.1	81.4	82.5	80.4	77.7	81.5
1934	78.7	79.8	83.1	84.1	85.9	81.5	80.9	80.3	81.1	82.3	80.5	74.7	81.1
1935	78.3	80.1	84.2	86.5	83.7	81.5	80.3	81.9	80.6	82.7	81.3	79.7	81.7
1936	77.4	79.6	83.4	85.9	85.3	80.5	80.3	79.7	81.9	81.5	82.5	82.0	81.7
1937	78.6	81.1	82.7	87.9	83.3	81.9	80.5	81.7	80.7	82.2	83.5	77.0	81.8
1938	79.1	81.2	83.7	86.3	82.3	80.9	80.3	80.1	81.5	82.1	81.1	79.9	81.5
1939	79.3	80.9	84.5	87.1	83.5	81.4	81.4	81.1	80.3	83.3	82.5	75.1	81.7
1940	74.9	80.1	82.3	86.6	84.3	81.5	80.7	80.1	81.6	83.3	82.3	79.3	81.4
Mean	78.3	80.4	83.4	86.4	84.5	81.4	80.6	80.9	81.2	82.5	81.8	78.4	81.7

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.18	0.00	0.00	0.00	13.70	31.16	25.94	27.92	17.93	5.86	0.00	0.04	122.73
1932	0.00	0.11	0.01	0.45	4.43	24.24	24.25	11.25	11.92	9.66	0.68	0.39	87.39
1933	0.00	0.00	0.62	3.95	13.44	25.56	18.75	14.32	16.12	7.14	3.80	0.00	103.70
1934	0.00	1.11	0.00	18.97	4.73	14.68	21.54	18.22	13.48	7.32	1.12	0.10	101.27
1935	0.00	0.00	0.00	1.08	15.58	14.68	23.07	13.40	22.87	7.38	7.79	0.63	106.48
1936	0.00	0.40	0.11	3.06	14.89	26.93	24.06	25.16	18.00	11.05	0.56	0.00	124.22
1937	0.00	0.53	0.00	3.98	9.63	20.08	27.97	16.23	19.07	10.56	0.14	8.28	116.47
1938	0.00	0.00	0.00	5.23	16.81	15.49	21.67	24.03	16.04	11.01	9.90	0.01	120.19
1939	0.18	0.00	0.19	3.24	14.30	20.22	19.61	23.96	21.39	5.73	6.84	0.03	115.69
1940	0.00	0.66	0.00	0.00	14.44	21.05	25.63	27.61	15.23	2.87	1.61	0.19	109.29
Mean	0.04	0.28	0.09	4.00	12.20	21.41	23.25	20.21	17.21	7.86	3.24	0.97	110.74



## COLOMBO, CEYLON

Lat. 6°54' N. Long. 79°52' E. H<sub>b</sub> = 24 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(9^b 30^m + 15^b 30^m)$ , 82 $\frac{1}{2}$  meridian E.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.837	.836	.844	.795	.774	.780	.796	.792	.792	.820	.817	.794	.806
1932	.867	.854	.820	.803	.756	.777	.760	.760	.808	.790	.800	.832	.802
1933	.808	.810	.803	.796	.769	.795	.796	.790	.804	.800	.798	.804	.798
1934	.787	.820	.796	.782	.797	.780	.768	.819	.811	.804	.832	.834	.802
1935	.844	.826	.800	.780	.764	.766	.775	.794	.807	.786	.832	.822	.800
1936	.840	.838	.816	.779	.724	.804	.786	.802	.783	.818	.838	.802	.802
1937	.820	.829	.781	.762	.770	.759	.770	.762	.810	.831	.777	.824	.791
1938	.828	.814	.765	.769	.735	.766	.764	.764	.782	.826	.834	.789	.786
1939	.834	.844	.800	.766	.763	.794	.804	.790	.820	.804	.790	.878	.807
1940	.850	.860	.828	.809	.747	.771	.812	.820	.822	.846	.787	.856	.817
Mean	.832	.833	.805	.784	.760	.779	.783	.789	.804	.812	.810	.824	.801

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}(\text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	79.8	81.0	82.2	82.2	82.2	81.6	80.7	80.2	80.6	81.0	79.4	79.0	80.8
1932	80.4	77.8	81.0	81.8	81.1	81.8	81.0	80.3	80.7	79.8	79.0	78.6	80.3
1933	79.3	79.1	80.4	82.0	80.8	80.6	80.0	79.2	79.8	79.1	78.2	78.2	79.7
1934	78.0	78.4	78.8	80.8	82.2	80.4	81.0	81.0	81.2	79.2	78.2	79.1	79.9
1935	79.4	79.4	80.8	82.0	82.6	80.6	80.1	80.0	80.2	79.5	79.2	79.2	80.2
1936	78.2	79.8	80.8	83.1	80.8	80.6	81.1	81.0	80.6	80.2	79.3	78.8	80.4
1937	79.2	80.1	80.8	81.4	82.0	82.0	80.8	81.9	81.1	80.1	79.4	77.8	80.6
1938	80.2	80.0	80.7	81.0	83.3	82.4	80.6	80.6	80.8	79.8	79.7	79.4	80.7
1939	78.0	78.4	81.1	81.6	82.4	81.4	80.2	80.6	81.4	80.0	79.2	79.0	80.3
1940	78.7	80.6	81.8	82.4	82.6	82.0	81.2	81.1	81.6	79.8	79.6	79.8	80.9
Mean	79.1	79.5	80.8	81.8	82.0	81.3	80.7	80.6	80.8	79.8	79.1	78.9	80.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft. 6 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.25	3.48	1.86	9.40	11.81	10.60	12.12	9.11	5.54	7.03	15.74	15.44	106.38
1932	0.00	3.59	2.60	11.27	29.38	1.68	1.56	15.99	7.16	30.74	14.60	5.73	124.30
1933	6.57	2.60	2.40	3.25	20.89	10.12	6.58	14.64	4.13	8.43	8.72	1.16	89.49
1934	12.22	2.81	7.57	17.04	8.61	18.22	0.85	1.46	2.23	21.10	20.61	2.05	114.77
1935	0.69	2.78	3.76	3.69	14.18	11.39	2.81	7.87	3.80	23.65	11.93	9.93	96.48
1936	2.52	4.07	5.29	2.86	33.81	5.97	1.88	1.15	8.09	10.69	15.89	7.94	100.16
1937	3.43	7.09	6.48	10.64	18.63	6.17	3.98	2.12	14.97	9.67	18.00	2.63	103.81
1938	1.74	5.97	8.14	15.57	3.48	1.94	4.10	4.77	5.74	4.86	3.82	4.63	64.76
1939	6.61	0.05	3.39	10.67	13.03	6.25	8.62	6.76	4.97	12.83	19.71	4.22	97.11
1940	0.16	1.42	0.95	10.10	11.30	7.93	3.05	4.23	8.35	17.40	17.05	1.86	83.80
Mean	3.82	3.39	4.24	9.45	16.51	8.03	4.56	6.81	6.50	14.64	14.61	5.56	93.11

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.2	11.2	11.5	9.8	9.1	9.2	9.8	9.7	9.7	10.6	10.5	9.8	10.2
1932	12.2	11.8	10.6	10.0	8.5	9.1	8.6	8.6	10.3	9.6	9.9	11.0	10.0
1933	10.3	10.3	10.0	9.8	8.9	9.8	9.8	9.6	10.1	9.9	9.9	10.1	9.9
1934	9.5	10.6	9.8	9.3	9.8	9.2	8.9	10.7	10.4	10.1	11.0	11.1	10.0
1935	11.5	10.8	9.9	9.2	8.8	8.8	9.1	9.8	10.2	9.5	11.0	10.7	9.9
1936	11.3	11.3	10.5	9.2	7.4	10.1	9.5	10.0	9.8	10.6	11.3	10.0	10.0
1937	10.6	10.9	9.3	8.7	8.9	8.6	8.9	8.7	10.3	11.0	9.1	10.8	9.7
1938	10.9	10.5	8.8	8.9	7.8	8.8	8.8	8.8	9.3	10.8	11.1	9.6	9.5
1939	11.1	11.5	9.9	8.8	8.8	9.8	10.1	9.6	10.6	10.1	9.6	12.6	10.2
1940	11.6	12.0	10.9	10.8	8.1	9.0	10.4	10.6	10.7	11.5	9.5	11.9	10.5
Mean	11.0	11.0	10.1	9.4	8.6	9.2	9.4	9.6	10.1	10.4	10.3	10.8	10.0

## HAMBANTOTA, CEYLON

Lat. 6°7' N. Long. 81°8' E. H<sub>b</sub> = 61 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}$ (9<sup>h</sup> 30<sup>m</sup> + 15<sup>h</sup> 30<sup>m</sup>), 82 $\frac{1}{2}$  meridian E.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.785	.783	.791	.789	.699	.701	.714	.703	.706	.738	.765	.736	.738
1932	.815	.797	.769	.741	.689	.693	.665	.688	.731	.716	.735	.780	.735
1933	.761	.762	.752	.737	.708	.718	.708	.709	.721	.729	.746	.745	.733
1934	.739	.769	.744	.719	.733	.703	.681	.731	.725	.745	.773	.781	.737
1935	.797	.775	.753	.723	.692	.692	.683	.711	.727	.721	.773	.775	.735
1936	.792	.791	.773	.717	.665	.731	.698	.716	.717	.760	.787	.757	.742
1937	.771	.783	.739	.710	.701	.671	.681	.671	.735	.776	.725	.775	.728
1938	.787	.771	.720	.719	.655	.681	.677	.688	.709	.757	.773	.739	.723
1939	.765	.790	.753	.713	.688	.713	.723	.699	.735	.736	.733	.826	.740
1940	.801	.813	.772	.765	.685	.693	.719	.735	.752	.785	.731	.802	.754
Mean	.761	.783	.757	.728	.692	.700	.695	.705	.726	.746	.754	.772	.737

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.  
Means of  $\frac{1}{2}$ (Max. + Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	78.6	79.9	81.6	82.1	82.8	81.4	80.9	81.2	80.8	81.2	79.4	78.8	80.7
1932	79.8	78.6	80.0	81.0	81.4	81.3	82.5	80.6	79.8	80.5	79.4	78.2	80.3
1933	78.5	79.0	80.6	82.1	80.1	80.6	81.4	80.8	80.8	79.8	78.9	78.4	80.1
1934	77.8	78.2	78.4	81.6	81.6	81.8	82.4	80.1	81.6	79.2	79.4	79.2	80.1
1935	78.2	78.6	80.6	81.8	81.5	79.8	81.2	81.3	81.0	80.8	79.2	78.2	80.2
1936	77.6	80.3	80.4	83.0	81.8	80.9	83.3	81.0	80.2	80.4	79.4	78.4	80.6
1937	78.7	80.0	80.5	82.2	83.2	83.4	82.3	83.4	82.0	81.2	80.0	78.4	81.3
1938	79.8	79.6	80.7	81.4	83.6	83.7	81.6	80.6	82.0	81.0	80.6	79.2	81.2
1939	78.8	78.9	80.3	81.6	81.3	82.0	81.4	81.8	82.4	81.8	79.8	79.4	80.8
1940	79.2	80.4	82.0	82.5	81.9	82.9	83.5	82.7	82.3	81.4	80.1	80.0	81.6
Mean	78.7	79.4	80.5	81.9	81.9	81.8	82.0	81.4	81.3	80.7	79.6	78.8	80.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft. 6 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6.67	1.51	0.23	11.91	1.87	4.75	1.71	4.44	1.75	2.02	9.46	10.74	57.06
1932	0.00	1.40	3.30	5.81	5.81	1.04	0.32	6.00	5.02	3.79	7.94	3.77	44.20
1933	14.81	2.10	0.72	1.90	10.60	2.49	2.35	1.71	0.86	3.75	9.20	1.35	51.84
1934	5.84	3.66	3.45	1.50	2.14	1.67	0.36	1.38	0.27	12.82	2.84	2.18	38.11
1935	5.69	0.92	2.77	3.28	5.90	3.49	0.92	1.26	2.96	5.02	11.59	13.73	57.53
1936	4.20	0.68	3.18	2.09	6.51	0.91	0.20	0.59	4.28	5.40	2.48	5.55	36.07
1937	6.75	1.03	2.93	2.92	1.98	0.66	1.95	1.21	0.38	2.83	8.56	1.33	32.53
1938	1.74	10.75	3.01	5.08	0.05	0.69	2.23	4.04	2.43	1.23	1.03	6.06	38.34
1939	0.31	0.28	5.23	10.48	4.53	1.45	1.66	1.51	1.20	0.93	5.62	4.39	37.59
1940	0.06	0.53	0.36	4.67	20.17	1.57	0.04	0.26	2.32	8.44	12.66	7.23	58.36
Mean	4.61	2.29	2.52	4.96	5.96	1.87	1.17	2.24	2.15	4.62	7.14	5.64	45.16

NUWARA ELIYA, CEYLON

Lat. 6°58' N. Long. 80°46' E. H<sub>b</sub> = 6,170 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(9^h 30^m + 15^h 30^m)$ , S2 $\frac{1}{2}$  meridian E.  
23 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.059	1.072	1.084	1.053	1.030	1.012	1.016	1.006	1.004	1.034	1.042	1.019	<b>1.036</b>
1932	1.082	1.063	1.055	1.048	1.000	1.008	.989	.994	1.021	1.018	1.018	1.048	<b>1.029</b>
1933	1.037	1.040	1.043	1.044	1.012	1.020	1.006	1.008	1.012	1.010	1.020	1.018	<b>1.022</b>
1934	1.007	1.036	1.025	1.031	1.042	1.018	1.000	1.040	1.038	1.034	1.048	1.052	<b>1.031</b>
1935	1.064	1.049	1.048	1.036	1.024	1.010	1.004	1.014	1.026	1.016	1.051	1.041	<b>1.032</b>
1936	1.050	1.070	1.058	1.040	.977	1.021	1.005	1.020	1.012	1.044	1.058	1.030	<b>1.032</b>
1937	1.040	1.064	1.032	1.024	1.028	1.000	1.000	.997	1.036	1.056	1.012	1.033	<b>1.027</b>
1938	1.060	1.051	1.018	1.027	.996	.996	.990	.992	1.004	1.042	1.047	1.020	<b>1.020</b>
1939	1.046	1.061	1.046	1.022	1.016	1.022	1.026	1.000	1.040	1.036	1.020	1.091	<b>1.036</b>
1940	1.061	1.089	1.070	1.075	1.015	1.018	1.042	1.038	1.054	1.075	1.024	1.082	<b>1.054</b>
Mean	<b>1.051</b>	<b>1.060</b>	<b>1.048</b>	<b>1.040</b>	<b>1.014</b>	<b>1.012</b>	<b>1.008</b>	<b>1.011</b>	<b>1.025</b>	<b>1.036</b>	<b>1.034</b>	<b>1.043</b>	<b>1.032</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of  $\frac{1}{2}(\text{Max.} + \text{Min.})$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.2	58.3	58.9	61.0	62.6	60.8	60.8	59.5	60.2	60.2	60.0	60.2	<b>60.1</b>
1932	55.6	55.2	57.6	59.6	60.6	60.6	59.7	61.2	60.4	60.6	59.9	57.0	<b>59.0</b>
1933	58.4	57.4	58.2	60.4	60.7	60.5	59.0	60.5	59.6	59.2	58.6	57.4	<b>59.2</b>
1934	58.0	56.2	57.2	60.2	61.2	60.8	60.6	60.7	61.0	60.1	59.1	58.2	<b>59.4</b>
1935	58.3	56.8	59.0	59.6	62.2	62.0	60.1	60.0	59.4	59.6	59.2	58.6	<b>59.6</b>
1936	56.0	58.4	58.5	...	...	60.7	60.2	60.2	59.9	60.0	59.5	58.6	<b>*59.5</b>
1937	58.3	58.2	58.0	61.6	62.4	61.2	60.2	60.7	59.8	59.4	60.6	60.2	<b>59.7</b>
1938	58.1	59.2	60.2	61.8	62.6	59.8	60.1	60.4	59.8	58.6	58.4	59.1	<b>59.8</b>
1939	57.2	55.2	58.2	61.0	63.0	60.4	59.3	59.2	59.9	60.7	59.8	57.7	<b>59.3</b>
1940	55.2	57.4	58.7	61.2	62.2	61.4	60.6	59.9	60.4	60.8	60.8	59.6	<b>59.8</b>
Mean	<b>57.3</b>	<b>57.2</b>	<b>58.4</b>	<b>60.7</b>	<b>61.9</b>	<b>60.8</b>	<b>60.1</b>	<b>60.2</b>	<b>60.0</b>	<b>59.9</b>	<b>59.6</b>	<b>58.3</b>	<b>59.5</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft. 6 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9.58	1.44	3.10	11.35	4.16	16.26	2.40	19.89	9.03	7.68	15.24	16.06	<b>116.19</b>
1932	1.08	3.35	1.85	2.72	10.86	6.06	8.93	6.50	5.15	12.77	8.11	3.29	<b>71.27</b>
1933	25.38	1.71	5.16	5.54	34.81	8.30	13.46	11.64	9.04	10.68	7.63	2.39	<b>135.74</b>
1934	11.00	3.78	4.07	3.99	4.07	12.65	5.70	1.63	1.16	10.84	3.60	2.11	<b>64.60</b>
1935	4.25	1.35	4.61	2.64	1.54	6.50	9.36	6.81	4.48	10.14	10.12	13.44	<b>75.24</b>
1936	4.17	1.93	3.78	0.42	22.60	5.88	11.25	3.22	12.50	6.13	3.54	15.53	<b>90.95</b>
1937	10.39	2.56	3.75	4.39	4.40	4.56	12.77	6.33	6.18	6.42	8.30	2.13	<b>72.18</b>
1938	4.01	6.70	6.32	7.79	2.60	15.44	15.92	4.30	12.29	2.10	5.52	9.28	<b>92.27</b>
1939	4.05	0.73	1.56	10.94	7.67	9.91	9.39	7.63	5.84	4.86	12.38	4.28	<b>79.24</b>
1940	0.62	1.91	2.00	6.47	23.76	7.99	4.59	4.19	3.05	8.32	10.92	5.22	<b>78.44</b>
Mean	<b>7.39</b>	<b>2.55</b>	<b>3.62</b>	<b>5.62</b>	<b>11.65</b>	<b>9.42</b>	<b>9.38</b>	<b>7.21</b>	<b>6.87</b>	<b>7.99</b>	<b>8.54</b>	<b>7.37</b>	<b>87.61</b>

\* Normal values used for missing months.

## TRINCOMALEE, CEYLON

Lat. 8°35' N. Long. 81°15' E. H<sub>b</sub> = 99 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(9^h 30^m + 15^h 30^m)$ , 82½ meridian E.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.787	.785	.769	.690	.621	.587	.619	.595	.618	.669	.733	.709	.682
1932	.835	.781	.753	.689	.612	.597	.577	.613	.640	.668	.687	.769	.685
1933	.761	.749	.729	.694	.635	.619	.611	.637	.641	.660	.712	.725	.631
1934	.725	.756	.712	.659	.643	.607	.589	.633	.633	.684	.740	.783	.680
1935	.813	.783	.736	.686	.609	.601	.601	.639	.655	.677	.752	.769	.693
1936	.796	.775	.756	.675	.595	.649	.625	.642	.653	.718	.763	.753	.700
1937	.777	.779	.723	.677	.631	.595	.606	.617	.671	.725	.699	.766	.689
1938	.797	.765	.689	.681	.586	.609	.609	.619	.633	.699	.752	.749	.682
1939	.785	.805	.785	.671	.611	.629	.637	.625	.667	.689	.697	.827	.698
1940	.819	.825	.742	.787	.607	.613	.649	.649	.687	.747	.703	.797	.715
Mean	.789	.780	.734	.686	.615	.611	.612	.627	.650	.694	.724	.765	.691

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}(\text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	77.6	80.0	81.6	83.6	84.8	86.0	84.4	85.2	84.4	84.0	78.9	77.8	82.4
1932	77.8	78.6	80.6	83.5	83.9	85.0	85.2	83.1	83.6	80.4	78.8	77.4	81.5
1933	78.0	79.2	81.0	82.6	82.3	84.0	83.7	82.4	82.3	80.4	79.0	77.6	81.0
1934	76.8	77.8	79.8	83.5	85.6	84.8	85.2	85.9	85.5	81.6	78.7	77.4	81.9
1935	78.0	79.0	81.0	83.7	86.4	85.9	86.0	84.3	84.0	81.6	79.0	77.4	82.2
1936	78.0	80.0	81.2	85.0	85.4	85.2	85.6	84.8	83.4	81.4	79.4	78.1	82.3
1937	78.0	79.7	80.4	83.6	86.4	86.8	86.8	84.7	84.6	82.4	79.1	77.6	82.5
1938	...	...	80.7	82.7	86.2	85.4	85.0	84.0	84.4	83.1	78.5	78.0	†82.1
1939	77.0	77.9	80.4	82.6	85.9	85.6	85.9	84.6	85.5	81.8	79.2	78.0	82.0
1940	77.6	78.5	82.0	83.2	84.6	85.8	85.8	86.2	85.2	81.6	79.6	78.6	82.4
Mean	77.6	79.0	80.9	83.4	85.2	85.4	85.4	84.5	84.3	81.8	79.0	77.8	82.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft. 6 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	20.67	2.53	0.66	2.35	3.18	0.00	3.18	0.02	4.81	6.71	13.97	14.87	72.95
1932	3.04	0.49	1.28	1.27	4.33	0.77	0.13	7.49	0.64	15.46	14.54	10.78	60.22
1933	8.91	0.68	1.32	4.27	3.49	0.01	0.08	4.61	4.35	9.04	10.77	10.06	57.59
1934	9.98	2.05	5.63	0.92	1.50	0.71	1.40	3.60	1.28	13.64	3.19	5.45	48.75
1935	3.39	1.30	0.03	1.31	3.94	1.28	0.04	9.70	3.00	3.91	26.47	26.51	80.88
1936	5.81	3.96	3.37	0.02	0.81	0.04	7.21	4.31	4.77	5.61	9.18	25.05	70.14
1937	8.77	6.06	2.41	3.42	1.16	0.06	0.42	5.22	1.48	6.01	20.42	2.93	58.36
1938	7.07	15.44	5.78	5.36	0.98	1.70	0.38	2.83	1.79	13.80	7.94	7.40	70.47
1939	6.98	2.42	1.20	4.18	0.03	0.34	0.10	0.53	2.97	19.28	14.59	13.49	66.11
1940	0.73	3.71	0.60	1.05	8.40	1.35	1.52	0.50	1.56	10.42	11.99	21.30	62.53
Mean	7.54	3.86	2.17	2.42	2.78	0.63	1.45	3.82	2.66	10.39	13.31	13.78	64.80

\* See NOTES, p. 14.

† Normal values used for missing months.

FORT BAYARD, CHINA

Lat. 21°3' N. Long. 110°28' E. H = 14 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES), 105th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	62.3	60.7	59.6	56.6	54.2	52.1	52.9	49.4	55.0	59.7	61.3	62.9	57.2
1932	65.6	63.0	61.2	57.3	54.7	51.7	51.3	52.5	54.7	59.4	61.3	63.7	58.1
1933	65.2	60.1	59.7	57.2	55.9	51.3	52.6	55.1	55.4	59.7	62.7	62.4	58.1
1934	65.1	63.3	60.1	58.6	55.1	54.9	52.7	54.0	54.7	60.1	62.2	64.0	58.7
1935	63.8	62.2	59.8	56.8	55.1	53.5	50.9	53.0	55.1	58.6	61.9	64.3	57.9
1936	64.4	60.7	63.5	57.3	56.1	53.7	52.7	52.6	55.5	60.6	63.2	63.2	58.6
1937	62.9	62.9	57.7	58.3	55.8	53.9	51.8	51.7	57.0	60.1	61.8	62.3	58.0
1938	64.7	62.1	60.0	58.3	55.9	54.1	53.4	52.7	55.2	58.1	62.7	62.9	58.4
1939	64.2	63.2	58.6	58.6	54.9	53.6	50.2	51.3	56.5	59.2	61.4	67.1	58.2
1940	63.3	63.9	59.9	59.6	55.7	53.4	51.5	53.7	56.3	60.0	62.3	63.8	58.6
Mean	64.1	62.2	60.0	57.9	55.3	53.2	52.0	52.6	55.5	59.6	62.1	63.7	58.2

TEMPERATURE IN DEGREES C.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.5	16.6	19.6	24.8	27.5	29.6	29.9	28.9	28.0	23.5	21.9	18.4	23.7
1932	16.7	14.3	18.6	23.7	28.8	29.7	28.5	27.8	27.7	25.1	21.8	18.2	23.4
1933	16.4	16.6	19.5	23.6	27.6	28.8	28.9	28.9	28.3	25.1	20.7	19.3	23.6
1934	13.6	16.5	18.0	20.8	26.0	28.3	28.2	27.7	27.9	23.2	21.3	18.0	22.5
1935	16.2	17.4	20.4	23.7	26.6	28.7	28.8	29.0	26.6	26.3	22.7	16.1	23.5
1936	14.7	16.8	15.5	22.8	26.2	28.9	28.6	28.8	27.4	24.0	22.0	18.6	22.9
1937	16.5	16.7	20.5	24.0	27.7	28.3	28.4	28.6	27.8	26.0	20.9	18.5	23.7
1938	16.1	15.8	17.7	23.3	27.1	29.4	27.8	27.7	27.9	25.6	20.7	18.5	23.1
1939	16.6	18.9	20.8	21.9	26.3	28.4	27.8	27.4	26.7	25.3	21.6	16.1	23.2
1940	16.4	17.4	19.5	21.0	26.5	28.5	29.0	27.6	28.6	26.1	22.1	19.7	23.5
Mean	16.0	16.7	19.0	23.0	27.0	28.9	28.6	28.2	27.7	25.0	21.6	18.1	23.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 4.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5	7	38	131	184	148	111	527	207	77	27	22	1484
1932	T	58	0	58	69	119	289	161	98	15	9	83	959
1933	17	25	31	84	38	218	316	277	233	61	149	0	1449
1934	2	40	38	34	321	114	304	329	109	220	20	11	1542
1935	52	17	28	166	152	70	368	129	66	25	7	5	1085
1936	1	65	5	26	454	118	271	156	97	4	T	10	1207
1937	30	7	7	19	306	416	312	210	93	39	17	4	1460
1938	7	41	25	64	94	120	326	253	276	171	53	17	1447
1939	19	1	47	55	193	74	444	344	237	90	2	T	1506
1940	18	1	172	98	82	345	334	407	51	98	45	6	1657
Mean	15	26	39	74	189	174	308	279	147	80	33	16	1380

## HANKOW, CHINA

Lat. 30°35' N. Long. 114°17' E. H<sub>b</sub> = 26 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES)

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	68.76	67.49	64.13	60.32	56.51	51.66	51.69	51.28	58.55	65.91	66.37	69.60	61.02
1932	70.43	69.65	64.37	59.32	55.60	52.68	51.23	52.53	59.19	65.21	67.21	70.79	61.52
1933	73.38	66.77	65.80	60.53	58.00	52.47	51.87	53.68	58.30	65.26	67.52	66.90	61.71
1934	71.17	67.80	63.03	60.58	55.34	53.14	50.91	53.85	57.31	65.91	66.86	67.99	61.16
1935	68.88	66.12	61.62	59.48	56.56	52.13	50.56	52.07	57.54	60.93	66.15	70.45	60.21
1936	69.26	65.37	65.36	58.47	56.87	52.33	51.30	53.11	57.62	62.62	66.29	68.51	60.59
1937	68.10	66.35	61.39	59.79	56.50	53.00	50.79	51.66	58.97	63.19	66.79	66.56	60.26
1938	70.74	65.99	63.47	59.14	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	70.09	66.94	63.65	59.70	56.48	52.49	51.19	52.60	58.21	64.15	66.74	68.69	†60.92

## TEMPERATURE IN DEGREES C.

Means of (see NOTES)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	3.2	3.1	12.5	16.8	21.4	27.1	26.5	30.0	25.0	19.1	12.6	5.9	16.9
1932	5.9	4.4	12.2	17.0	21.1	25.5	30.6	29.2	24.0	18.8	13.9	6.1	17.4
1933	0.2	5.9	9.4	16.1	22.7	25.6	30.3	29.8	24.9	16.7	12.7	7.9	16.9
1934	2.8	6.7	10.8	14.6	23.9	26.7	32.5	30.3	24.5	16.5	11.9	7.4	17.4
1935	4.2	7.3	13.7	16.0	22.5	25.8	29.1	30.2	25.3	20.2	11.3	3.8	17.5
1936	3.4	4.6	8.5	16.1	21.6	27.9	28.3	28.5	26.0	21.5	13.6	5.9	17.2
1937	3.8	5.8	10.6	16.6	23.2	25.6	29.1	28.8	24.0	18.9	10.4	7.8	17.1
1938	2.8	7.3	10.8	19.7	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	3.3	5.6	11.1	16.6	22.3	26.3	29.5	29.5	24.8	18.8	12.3	6.4	†17.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	41.0	117.5	71.6	176.5	215.3	122.2	495.0	28.0	63.6	3.3	21.3	40.1	1395.4
1932	47.0	83.0	37.0	78.5	393.4	176.3	76.6	249.8	61.4	13.1	5.7	61.5	1233.3
1933	32.9	38.8	52.3	189.6	214.7	159.1	161.2	208.5	46.3	145.1	60.4	32.4	1371.3
1934	17.0	61.7	73.3	186.1	191.8	76.9	14.1	72.7	131.2	114.4	24.5	49.3	1013.0
Mean	43.9	72.5	66.3	158.2	208.0	178.3	197.9	112.7	78.0	72.7	55.2	46.4	†1290.1
1936	10.9	80.8	29.8	257.7	69.0	105.7	250.7	55.4	29.9	1.1	22.1	85.8	998.9
1937	94.1	114.5	56.2	217.2	138.5	106.0	277.5	118.5	140.5	107.1	189.3	17.4	1576.8
1938	77.0	22.8	107.5	91.9	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	43.9	72.5	66.3	158.2	208.0	178.3	197.9	112.7	78.0	72.7	55.2	46.4	†1290.1

\* Change in H<sub>b</sub>.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## HONG KONG, CHINA

Lat. 22°18' N. Long. 114°10' E. H<sub>b</sub> = 109 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 120th meridian E.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.976	.914	.883	.787	.670	.583	.623	.444	.660	.847	.901	.997	.773
1932	1.087	.995	.924	.788	.684	.564	.560	.585	.661	.834	.912	1.005	.800
1933	1.051	.895	.891	.800	.735	.559	.583	.650	.655	.827	.925	.924	.791
1934	1.038	.972	.863	.807	.677	.662	.582	.630	.632	.854	.920	.983	.802
1935	.993	.939	.851	.750	.673	.608	.500	.550	.659	.794	.916	1.003	.770
1936	1.005	.887	.991	.771	.702	.613	.571	.557	.660	.834	.958	.960	.792
1937	.950	.955	.784	.799	.695	.557	.533	.545	.721	.826	.899	.929	.766
1938	1.027	.931	.852	.777	.689	.628	.600	.560	.662	.773	.945	.948	.783
1939	1.008	.982	.828	.802	.654	.610	.462	.489	.696	.792	.887	1.097	.776
1940	.968	1.001	.862	.833	.696	.595	.508	.608	.673	.837	.930	1.003	.793
Mean	1.010	.947	.873	.791	.687	.598	.552	.562	.668	.822	.919	.985	.785

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.4	61.3	63.6	70.9	77.0	81.4	82.7	82.7	81.2	74.4	70.4	63.3	72.5
1932	60.4	57.1	62.6	71.1	81.1	81.9	81.7	82.0	79.8	76.1	70.3	62.7	72.2
1933	55.4	60.0	63.6	71.7	78.4	82.6	82.3	83.9	81.9	76.7	69.1	64.8	72.5
1934	55.9	59.9	63.5	68.1	76.7	81.0	82.0	80.6	82.0	74.5	69.7	63.4	71.4
1935	60.0	61.0	66.1	70.3	77.3	82.2	81.9	82.1	78.4	77.7	71.2	60.4	72.4
1936	57.7	59.3	57.0	70.9	76.7	82.6	83.2	82.3	81.0	76.0	70.5	64.9	71.8
1937	61.6	61.2	64.7	71.8	78.8	81.4	82.7	82.2	82.1	77.5	70.8	65.0	73.3
1938	60.2	58.8	63.0	72.0	78.5	83.8	82.3	81.9	81.6	77.8	69.4	64.7	72.8
1939	60.4	62.7	64.6	68.4	75.9	81.5	82.3	81.6	80.9	77.7	71.2	61.9	72.4
1940	61.0	61.1	63.6	68.0	75.7	80.4	82.4	80.7	82.4	77.9	70.8	66.0	72.5
Mean	59.4	60.2	63.2	70.3	77.6	81.9	82.3	82.0	81.1	76.6	70.3	63.7	72.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 18 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.325	0.550	3.175	8.930	12.000	11.600	9.860	14.270	13.430	0.730	0.965	4.555	80.390
1932	0.000	2.535	2.200	3.700	2.510	25.290	25.710	20.885	4.340	0.085	0.100	4.115	91.470
1933	0.480	0.100	1.015	1.915	4.515	16.440	14.310	1.735	12.580	3.745	4.135	1.375	62.345
1934	0.470	1.510	1.745	2.445	8.735	25.105	19.425	24.360	10.720	2.205	0.410	0.535	97.665
1935	1.090	1.130	4.665	2.455	4.735	14.425	22.210	6.030	7.370	5.815	0.355	1.040	71.320
1936	0.580	3.345	0.465	4.600	10.160	5.700	8.810	21.305	12.380	1.885	0.165	0.375	69.770
1937	2.765	0.310	3.445	2.260	11.120	13.265	19.315	14.355	12.525	1.500	1.035	0.265	82.500
1938	0.355	4.685	5.745	1.855	8.705	2.990	12.235	7.885	4.265	6.095	0.530	0.010	55.355
1939	1.100	0.220	3.540	15.800	20.985	8.645	12.695	12.820	4.865	1.410	4.825	0.000	86.705
1940	0.020	1.045	12.905	8.325	12.045	30.795	21.765	22.005	3.585	1.285	3.615	0.100	117.690
Mean	0.719	1.543	3.890	5.229	9.551	15.425	16.633	14.565	8.606	2.475	1.613	1.271	81.521

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	19.0	16.9	15.9	12.5	8.5	5.6	6.9	0.8	8.2	14.6	16.4	19.8	12.1
1932	22.8	19.7	17.3	12.6	9.0	4.9	4.7	5.6	8.2	14.1	16.8	20.0	13.0
1933	21.7	16.3	16.1	13.0	10.7	4.7	5.5	7.8	8.0	13.9	17.3	17.3	12.7
1934	21.2	18.9	15.2	13.3	8.8	8.3	5.5	7.2	7.2	14.8	17.1	19.3	13.1
1935	19.6	17.8	14.8	11.3	8.7	6.4	2.7	4.4	8.1	12.7	16.9	20.0	12.0
1936	20.1	16.0	19.6	12.0	9.6	6.5	5.1	4.7	8.2	14.1	18.4	18.5	12.7
1937	18.2	18.3	12.5	12.9	9.4	4.7	3.9	4.2	10.2	13.8	16.3	17.4	11.8
1938	20.8	17.5	14.8	12.2	9.4	7.1	6.1	4.8	8.3	12.0	17.9	18.1	12.4
1939	20.1	19.3	14.0	13.1	8.0	6.5	1.4	2.3	9.4	12.7	15.9	23.2	12.2
1940	18.8	19.9	15.1	14.1	9.4	6.0	3.0	6.4	8.6	14.2	17.4	19.9	12.7
Mean	20.2	18.1	15.5	12.7	9.1	6.1	4.5	4.8	8.4	13.7	17.0	19.3	12.5

## NANKING, CHINA

Lat. 32°3' N. Long. 118°47' E. H = 67.9 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	63.50	63.05	58.94	55.94	52.48	47.38	47.85	47.94	54.11	61.24	61.60	64.93	56.55
1932	66.00	64.72	59.62	54.30	51.49	48.60	47.17	47.97	54.32	59.51	61.27	64.44	56.62
1933	67.43	61.33	60.29	55.36	52.89	48.09	48.02	48.21	53.15	59.80	61.60	60.99	56.41
1934	66.62	62.87	58.02	56.37	51.69	48.80	47.04	49.66	52.88	61.39	61.83	63.44	56.72
1935	63.95	61.93	57.76	55.27	52.07	47.72	46.92	48.05	53.32	56.63	61.92	66.08	55.97
1936	64.95	61.20	63.74	53.61	52.86	48.56	47.17	48.62	52.98	58.17	61.69	64.07	56.47
1937	63.74	61.86	56.91	55.65	52.18	49.62	47.08	47.92	54.53	58.89	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	65.17	62.42	59.33	55.21	52.24	48.40	47.32	48.34	53.61	59.38	61.65	63.99	*56.42

## TEMPERATURE IN DEGREES C.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.2	1.9	10.5	13.9	18.9	24.8	24.8	28.5	22.7	16.8	11.6	4.2	15.1
1932	4.4	2.3	9.2	14.9	19.4	24.0	29.7	28.1	22.6	17.3	11.7	4.9	15.8
1933	-1.6	3.5	7.0	14.0	21.1	23.6	28.7	28.4	23.8	16.2	11.4	6.8	15.3
1934	0.2	3.8	8.1	12.5	21.6	25.9	31.1	29.4	22.9	15.6	9.9	6.6	15.6
1935	2.9	5.4	11.4	14.4	21.8	24.9	28.8	28.1	23.8	19.1	11.1	1.6	16.1
1936	0.6	2.2	5.7	14.7	18.7	25.0	26.4	26.4	24.1	19.3	11.9	4.6	15.0
1937	3.2	4.0	9.1	15.0	20.9	22.9	28.3	28.1	23.8	17.8	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1.6	3.3	8.7	14.2	20.3	24.4	28.3	28.1	23.4	17.4	11.3	4.8	*15.5

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	36.2	135.9	32.3	116.1	114.9	117.5	618.8	28.0	99.0	0.1	81.5	30.7	1411.0
1932	29.9	23.9	15.1	155.5	148.0	101.8	18.1	120.2	54.7	1.1	2.5	78.8	749.6
1933	72.5	84.4	57.0	113.2	119.4	141.8	163.8	103.4	50.5	93.0	13.3	23.4	935.7
1934	8.6	17.1	70.7	69.4	84.4	32.3	34.5	141.2	171.6	74.9	36.7	39.9	781.3
1935	18.6	58.0	96.1	74.8	28.2	100.4	12.7	91.8	16.3	84.4	77.2	25.7	684.2
1936	34.2	52.1	13.2	147.7	78.6	108.1	127.4	104.5	17.7	0.1	23.2	64.4	771.2
1937	89.3	97.4	55.8	129.0	58.9	61.0	55.4	144.2	88.9	55.3	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	41.3	59.8	48.6	115.1	90.3	94.7	147.2	104.8	71.2	44.1	39.1	43.8	†900.0

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.5	25.9	19.9	15.9	11.1	4.4	4.8	4.7	13.1	22.9	23.5	28.2	16.7
1932	29.6	27.9	20.9	13.7	9.8	5.8	3.8	4.8	18.4	20.6	23.1	27.5	16.7
1933	31.6	23.4	22.0	15.1	11.6	5.1	4.8	5.1	11.9	20.9	23.5	22.9	16.5
1934	30.6	25.5	18.7	16.6	10.1	6.1	3.4	7.1	11.5	23.1	23.9	26.0	16.9
1935	27.0	24.2	18.4	15.0	10.6	4.6	3.4	4.9	12.0	16.6	23.9	29.6	15.8
1936	28.4	23.3	26.6	12.7	11.6	5.8	3.8	5.7	11.6	18.7	23.6	27.1	16.6
1937	26.6	24.2	17.8	15.5	10.7	7.1	8.6	4.7	13.7	19.8	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	28.6	24.9	20.5	14.9	10.8	5.6	3.9	5.3	12.5	20.4	23.6	26.9	*16.5

\* Mean of 12 monthly means.

† Sum of 12 monthly means.





## YUNNANFU, CHINA

Lat. 25°7' N. Long. 102°54' E. H = 1,893 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{4}$ (1st and 2d Max.+1st and 2d Min.), 105th meridian E.  
600 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.5	7.7	8.6	7.0	6.1	5.3	4.9	5.6	9.2	11.7	10.5	10.5	8.0
1932	11.1	8.6	7.0	7.0	5.6	5.6	5.4	6.6	8.4	10.6	10.8	10.9	8.1
1933	8.9	7.3	6.9	6.2	6.6	5.0	6.2	7.3	9.1	11.0	11.7	9.7	8.0
1934	9.0	9.2	7.1	6.9	6.3	7.0	5.8	7.5	8.2	11.1	9.7	11.7	8.3
1935	9.0	8.2	8.1	6.5	6.3	5.9	5.1	7.1	8.9	9.9	10.8	10.2	8.0
1936	9.1	7.4	7.6	6.6	5.6	6.1	5.7	6.1	8.4	11.7	10.5	9.0	7.8
1937	9.0	9.6	7.2	7.5	7.8	6.6	6.0	6.7	10.5	10.9	10.0	9.4	8.4
1938	9.4	7.8	7.1	8.3	8.2	7.0	7.1	7.7	10.1	12.6	14.0	11.6	9.2
1939	11.5	10.8	7.9	8.5	8.3	7.6	5.5	8.0	10.7	12.1	12.1	14.2	9.8
1940	9.0	8.6	8.4	9.1	7.1	6.0	4.6	7.0	...	...	...	...	...
Mean	9.5	8.5	7.6	7.4	6.8	6.2	5.6	7.0	9.3	11.3	11.1	10.8	*8.4

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.4	13.2	14.5	19.7	21.8	21.8	21.1	22.1	19.0	16.2	13.0	10.5	16.9
1932	9.2	9.4	13.7	17.9	21.0	20.8	21.0	21.2	18.8	16.6	14.5	8.6	16.1
1933	10.1	12.5	14.9	18.2	19.5	20.9	21.4	21.6	20.1	17.8	12.9	10.7	16.7
1934	8.6	9.7	13.3	17.9	20.5	19.6	20.0	21.4	20.3	15.8	13.5	8.4	15.8
1935	9.4	10.9	15.0	18.7	21.4	20.2	22.1	20.9	19.2	18.0	14.7	11.3	16.8
1936	8.0	9.9	13.9	17.9	19.2	20.8	22.1	21.3	18.6	15.0	13.5	11.2	15.9
1937	9.5	11.1	14.1	19.0	19.9	20.6	22.3	20.6	20.2	18.0	14.2	11.5	16.7
1938	10.2	11.4	13.5	18.9	17.8	20.8	19.9	20.4	19.8	15.4	11.7	9.7	15.8
1939	9.7	10.9	15.9	15.6	19.7	19.4	20.9	20.1	17.6	16.7	14.3	7.5	15.7
1940	8.8	12.5	13.6	17.2	18.4	20.3	21.1	...	...	...	...	...	...
Mean	9.3	11.1	14.2	18.1	19.9	20.5	21.3	21.1	19.3	16.6	13.6	9.3	*16.2

## TOTAL PRECIPITATION IN MILLIMETERS. hr = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1	T	9	4	15	79	125	96	176	18	12	33	568
1932	10	59	29	26	49	573	181	256	112	85	16	5	1401
1933	8	0	49	33	157	201	203	128	94	62	27	2	964
1934	8	24	2	13	60	120	370	243	48	24	29	0	941
1935	0	22	0	12	36	176	129	152	111	118	46	T	802
1936	13	26	0	13	97	91	93	265	29	35	10	T	672
1937	6	12	2	10	30	66	115	221	27	21	9	40	559
1938	0	2	6	2	149	125	231	156	98	48	16	T	833
1939	16	18	0	13	82	74	184	167	136	46	109	2	847
1940	T	4	29	14	77	72	128	129	...	...	...	...	...
Mean	6	17	13	14	75	158	176	181	92	51	30	9	†822

## PRESSURE AT SEA LEVEL †

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	115.9	109.1	109.6	102.1	98.5	97.1	97.1	97.1	106.0	113.1	114.1	116.4	106.3
1932	118.4	115.6	107.6	103.8	98.5	98.6	98.0	99.4	104.7	110.7	112.8	118.7	107.2
1933	114.3	109.3	106.5	102.1	100.9	97.7	99.0	100.3	104.7	110.5	115.9	114.9	106.3
1934	115.8	115.0	108.0	103.6	100.0	101.7	98.7	100.8	103.1	111.0	112.2	120.2	107.5
1935	115.1	112.2	108.4	102.3	99.4	99.5	96.0	100.7	105.4	108.4	112.7	115.3	106.3
1936	116.4	111.6	108.4	103.3	100.0	99.4	97.4	98.6	104.9	114.0	113.6	113.4	108.8
1937	115.4	115.6	107.5	103.4	102.9	100.4	97.7	100.3	107.0	123.4	111.6	113.6	108.2
1938	115.1	111.0	108.0	104.9	105.7	100.7	101.4	102.0	106.7	115.3	120.7	119.1	109.2
1939	119.4	116.6	107.3	108.3	103.9	103.0	98.3	102.7	109.7	112.9	115.4	125.1	110.2
1940	115.6	111.4	110.0	107.6	103.3	99.6	96.6	...	...	...	...	...	...
Mean	116.1	112.7	108.1	104.1	101.3	99.8	98.0	100.2	105.8	113.3	114.3	117.4	*107.6

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

‡ See NOTES, p. 15.

ZI-KA-WEI (SHANGHAI), CHINA

Lat. 31°11' N. Long. 121°26' E. H<sub>b</sub> = 7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of 24 daily observations, 120th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	69.25	68.79	65.57	62.80	59.40	54.10	54.08	54.20	59.75	66.75	67.40	70.74	62.73
1932	71.51	70.57	66.50	61.22	58.28	55.42	54.36	54.10	60.27	65.52	67.41	70.18	62.94
1933	72.99	67.91	66.79	62.20	59.75	54.66	54.84	54.64	58.71	65.46	67.71	66.97	62.71
1934	72.56	69.22	64.58	62.97	58.67	55.89	53.82	56.02	58.85	66.92	67.90	69.46	63.07
1935	69.92	68.33	64.42	61.90	58.99	54.49	53.81	54.17	58.95	63.00	67.70	71.72	62.28
1936	71.26	67.54	70.35	60.38	59.79	55.17	53.70	54.78	58.86	64.25	68.03	69.90	62.83
1937	69.72	67.98	63.75	62.49	58.97	56.27	53.78	54.90	60.39	64.64	67.07	68.29	62.35
1938	72.65	68.31	65.80	61.32	57.66	55.19	54.54	53.89	60.26	63.21	68.88	69.46	62.59
1939	70.63	70.03	64.48	63.04	58.71	54.54	53.44	53.48	59.61	63.91	67.65	73.20	62.72
1940	68.84	69.90	65.66	62.47	59.23	55.93	53.92	56.34	59.06	64.20	68.00	69.09	62.72
Mean	70.93	68.85	65.79	62.03	58.94	55.16	54.03	54.65	59.47	64.78	67.77	69.90	62.69

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1 m.

Means of 24 hourly observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	3.21	3.64	9.26	12.96	17.86	23.62	25.88	27.88	22.46	16.68	13.17	6.17	15.23
1932	5.09	3.28	8.31	14.40	19.09	22.35	28.62	27.77	22.04	16.88	11.79	6.60	15.51
1933	1.41	3.96	6.82	13.05	19.99	22.91	28.18	27.77	23.54	17.63	12.31	7.93	15.45
1934	0.94	3.83	7.80	11.85	19.36	24.77	29.72	28.97	23.63	16.74	10.87	8.38	15.57
1935	4.50	5.79	11.01	13.82	20.21	23.44	27.63	27.45	22.69	19.20	13.46	3.95	16.09
1936	1.78	3.25	5.46	14.06	17.59	24.08	27.25	27.30	23.69	18.53	12.28	6.27	15.12
1937	5.20	5.14	8.89	14.47	19.42	22.18	28.10	27.60	24.11	18.50	11.87	6.14	15.96
1938	2.30	4.65	8.50	15.76	21.48	22.58	27.74	27.11	22.89	19.96	11.98	7.31	16.02
1939	4.23	4.99	9.23	13.40	19.57	24.50	26.67	27.34	22.95	19.19	11.96	5.81	15.82
1940	4.54	4.76	8.25	14.64	19.79	23.98	28.45	27.74	22.94	18.48	12.63	8.19	16.19
Mean	3.32	4.33	8.35	13.84	19.46	23.44	27.82	27.69	23.09	18.18	12.23	6.67	15.70

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	33.0	147.7	38.5	89.5	184.6	139.9	369.5	111.7	342.4	24.2	69.8	51.2	1602.0
1932	7.8	35.0	22.9	122.8	212.6	131.9	56.6	154.7	77.6	18.4	21.4	39.7	951.4
1933	82.7	82.2	66.7	129.1	82.9	110.4	35.4	140.2	187.5	57.2	16.2	12.7	1003.2
1934	40.9	27.8	93.0	106.3	90.7	42.1	34.7	20.2	253.5	34.9	80.8	36.5	861.4
1935	26.3	72.6	69.9	74.0	25.1	217.1	94.9	172.6	86.2	71.6	85.0	66.1	1061.4
1936	53.9	57.4	45.0	105.3	94.1	111.9	210.4	116.5	43.2	0.1	51.6	68.6	958.0
1937	83.4	90.2	71.9	96.8	78.4	112.6	17.1	87.3	110.2	103.0	121.9	52.4	1025.2
1938	72.6	42.1	104.1	56.4	154.6	468.9	65.0	113.8	39.7	71.1	15.9	60.1	1264.3
1939	43.2	66.1	102.6	76.8	58.2	103.8	286.8	123.4	85.7	150.9	98.2	0.8	1196.5
1940	56.2	107.5	79.4	34.4	93.0	93.6	36.9	134.8	140.9	310.5	7.7	35.8	1120.7
Mean	50.0	72.9	69.4	89.1	107.4	158.2	120.7	116.5	136.7	84.2	56.8	42.4	1104.4

## LAOKAY, FRENCH INDO-CHINA

Lat. 22°30' N. Long. 103°57' E.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3	1	39	102	113	161	136	260	254	74	7	29	1179
1932	16	85	108	250	232	274	472	368	392	288	30	19	2534
1933	14	2	44	157	287	279	305	233	121	221	27	5	1695
1934	9	99	25	174	186	206	574	323	368	99	69	3	2135
1935	12	46	75	102	156	126	243	140	198	153	128	40	1424
1936	5	27	72	80	246	245	276	463	152	49	24	65	1704
1937	11	69	8	159	172	231	187	262	251	147	67	24	1598
1938	7	5	10	87	251	163	380	342	327	125	3	2	1702
1939	3	45	26	107	116	127	175	151	274	62	25	...	1111
1940	5	8	88	82	195	404	309	284	293	148	95	3	1914
Mean	8	39	50	130	195	222	306	283	263	137	47	19	1699

## QUANGTRI, FRENCH INDO-CHINA

Lat. 16°14' N. Long. 107°11' E.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	188	21	18	106	27	20	22	56	333	1112	136	227	2266
1932	195	48	26	23	14	74	161	29	506	1023	555	194	2843
1933	188	22	46	46	16	44	112	44	266	944	311	209	2248
1934	213	87	54	12	91	44	176	134	836	666	341	48	2702
1935	211	37	55	59	128	32	16	17	728	463	387	441	2554
1936	127	21	85	0	58	186	253	23	287	3	287	164	1494
1937	42	15	6	5	56	18	91	214	353	904	626	90	2420
1938	262	35	40	33	83	174	369	47	366	484	495	282	2670
1939	63	12	16	49	173	61	16	173	320	746	515	88	2232
1940	36	15	40	6	51	21	19	263	0	367	405	87	1310
Mean	153	31	37	34	70	67	123	100	399	671	406	183	2274

## PNOM-PENH, FRENCH INDO-CHINA

Lat. 11°33' N. Long. 104°55' E.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0	T	18	25	127	71	133	134	330	269	53	67	1227
1932	T	0	T	160	113	73	209	87	218	371	178	43	1452
1933	11	T	T	55	135	123	81	157	181	243	66	0	1052
1934	T	65	54	93	141	82	139	219	178	244	67	21	1303
1935	0	T	1	19	192	271	183	71	241	327	235	94	1634
1936	51	7	9	13	84	193	141	188	162	63	51	17	979
1937	25	11	16	42	146	97	227	161	252	182	110	19	1278
1938	T	T	78	144	173	287	139	118	238	341	133	16	1667
1939	16	T	12	42	174	143	108	79	357	141	244	8	1324
1940	T	0	1	22	82	39	104	161	204	78	165	80	936
Mean	10	8	19	62	137	138	146	137	236	226	130	36	1285

## AHMADABAD, INDIA

Lat. 23°2' N. Long. 72°35' E.

TOTAL PRECIPITATION IN INCHES.  $H = 163$  ft.,  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.00	0.03	0.01	0.05	5.07	21.85	3.57	1.49	0.10	0.00	32.17
1932	0.00	0.00	0.00	0.00	0.00	2.54	20.70	5.17	2.59	0.37	0.00	0.00	31.37
1933	0.00	0.00	0.00	0.03	1.76	2.48	9.60	23.18	5.94	0.00	0.00	0.00	42.99
1934	0.00	0.00	0.00	0.00	0.00	2.72	13.33	11.35	1.19	0.00	0.00	0.00	28.59
1935	0.21	0.00	0.00	0.24	0.00	4.40	10.26	2.67	4.66	0.53	0.00	0.00	22.97
1936	0.00	0.00	0.12	0.00	0.00	6.32	5.40	3.58	5.83	0.00	0.92	0.00	22.17
1937	0.00	0.14	0.00	0.00	0.00	11.45	18.92	0.08	8.98	0.00	0.00	0.04	39.61
1938	0.02	0.00	0.00	0.00	1.20	7.83	9.00	2.10	0.24	0.27	0.00	0.00	20.66
1939	0.00	0.01	0.15	0.00	0.00	0.65	5.34	11.09	2.65	0.00	0.00	0.00	19.89
1940	0.24	0.00	0.48	0.00	0.00	3.59	5.27	7.33	0.52	0.03	0.59	0.00	18.05
Mean	0.05	0.02	0.08	0.03	0.30	4.20	10.29	8.84	3.62	0.27	0.16	0.00	27.85

## ALLAHABAD,\* INDIA

Lat. 25°26' N. Long. 81°50' E. H<sub>b</sub> = 309 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 3<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.727	.674	.599	.425	.307	.209	.192	.173	.368	.516	.693	.732	<b>470</b>
1932	.764	.637	.584	.454	.319	.172	.160	.301	.307	.528	.647	.717	<b>466</b>
1933	.742	.621	.549	.456	.377	.171	.213	.298	.360	.522	.665	.690	<b>472</b>
1934	.678	.600	.558	.392	.311	.223	.185	.238	.327	.560	.646	.753	<b>456</b>
1935	.749	.623	.558	.470	.275	.188	.150	.231	.322	.547	.668	.729	<b>463</b>
1936	.708	.627	.584	.412	.255	.210	.192	.227	.379	.585	.701	.707	<b>466</b>
1937	.714	.646	.540	.450	.318	.174	.155	.230	.387	.565	.646	.703	<b>461</b>
1938	.723	.659	.467	.428	.286	.185	.182	.248	.316	.485	.676	.707	<b>445</b>
1939	.731	.657	.566	.429	.259	.187	.143	.213	.363	.562	.645	.829	<b>465</b>
1940	.748	.695	.533	.525	.311	.229	.190	.240	.424	.607	.658	.772	<b>494</b>
Mean	<b>.728</b>	<b>.644</b>	<b>.554</b>	<b>.444</b>	<b>.297</b>	<b>.195</b>	<b>.176</b>	<b>.245</b>	<b>.358</b>	<b>.551</b>	<b>.665</b>	<b>.734</b>	<b>466</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	64.3	65.8	76.5	90.4	94.9	97.1	87.5	85.7	84.3	79.3	69.5	63.8	<b>79.9</b>
1932	64.9	65.1	78.0	87.7	93.6	96.3	88.9	83.7	84.7	80.3	69.5	62.1	<b>79.6</b>
1933	58.7	68.5	78.5	82.8	88.4	91.1	85.9	85.1	84.3	80.1	69.3	62.5	<b>77.9</b>
1934	61.8	67.5	76.1	87.8	94.6	92.9	85.9	84.3	84.3	78.5	70.1	64.1	<b>79.0</b>
1935	59.7	67.3	77.6	83.5	95.6	96.2	85.6	83.3	83.3	78.3	70.5	62.5	<b>78.6</b>
1936	59.9	66.3	77.5	86.2	94.5	89.7	84.4	83.6	83.5	79.5	70.6	63.5	<b>78.3</b>
1937	59.1	66.9	74.7	85.7	92.9	92.7	...	81.9	83.3	76.8	...	...	...
1938	...	62.9	79.7	89.1	93.7	88.6	84.9	84.0	84.3	81.1	69.1	61.5	...
1939	63.7	67.6	75.7	85.9	95.9	91.7	85.5	83.2	83.1	80.6	69.6	61.7	<b>78.7</b>
1940	60.9	65.3	74.3	85.5	94.2	95.1	87.3	84.5	84.2	79.7	71.7	62.4	<b>78.8</b>
Mean	<b>61.3</b>	<b>66.3</b>	<b>76.9</b>	<b>86.5</b>	<b>93.8</b>	<b>93.1</b>	<b>86.3</b>	<b>83.9</b>	<b>83.9</b>	<b>79.4</b>	<b>70.0</b>	<b>62.7</b>	<b>†78.7</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.91	0.00	0.00	0.07	2.74	7.71	7.85	12.79	4.93	0.00	0.00	<b>37.00</b>
1932	0.00	0.22	0.00	0.00	0.20	1.02	5.19	15.17	3.79	1.29	0.26	0.00	<b>27.14</b>
1933	0.00	0.95	0.29	1.72	1.86	4.14	5.84	9.29	3.68	1.90	0.01	0.01	<b>29.69</b>
1934	0.86	0.00	0.83	0.00	0.00	3.05	7.08	8.39	8.06	0.09	0.20	0.10	<b>25.66</b>
1935	0.43	0.90	0.00	0.15	0.01	4.85	12.47	13.60	8.57	0.00	0.00	0.41	<b>41.39</b>
1936	0.16	2.49	0.13	0.00	0.00	4.86	17.66	11.30	12.55	0.09	0.08	0.84	<b>50.16</b>
1937	0.00	1.79	0.27	0.09	0.14	2.57	13.01	10.62	7.36	2.49	0.00	0.00	<b>38.34</b>
1938	2.18	0.35	0.00	0.30	0.00	7.96	13.44	11.04	15.93	1.94	0.00	0.00	<b>53.14</b>
1939	0.78	0.50	0.01	0.40	0.00	5.31	11.75	14.76	13.66	0.66	0.00	0.00	<b>47.83</b>
1940	0.06	0.50	1.30	0.29	0.45	2.42	5.08	13.31	6.96	0.18	0.00	2.47	<b>33.02</b>
Mean	<b>0.45</b>	<b>0.86</b>	<b>0.28</b>	<b>0.30</b>	<b>0.27</b>	<b>3.89</b>	<b>9.92</b>	<b>11.53</b>	<b>9.34</b>	<b>1.36</b>	<b>0.05</b>	<b>0.38</b>	<b>‡38.63</b>

\* See NOTES, p. 16.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## BANGALORE, INDIA

Lat. 12°58' N. Long. 77°35' E. H<sub>b</sub> = 3,021 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 20<sup>m</sup>, Indian standard time  
26 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.984	.962	.953	.894	.839	.791	.804	.782	.834	.887	*.935	.934	.883
1932	1.017	.943	.935	.886	.803	.803	.753	.807	.830	.867	.887	.967	.875
1933	.964	.928	.913	.889	.828	.798	.798	.830	.830	.858	.923	.927	.874
1934	.923	.938	.895	.869	.863	.797	.786	.831	.853	.887	.937	.976	.880
1935	.982	.941	.910	.880	.827	.784	.772	.824	.835	.865	.951	.961	.878
1936	.962	.934	.925	.873	.792	.800	.795	.814	.840	.908	.934	.946	.877
1937	.960	.941	.891	.862	.834	.779	.772	.817	.869	.901	.901	.938	.872
1938	.976	.933	.874	.871	.801	.772	.779	.794	.821	.887	.939	.944	.866
1939	.971	.963	.910	.865	.829	.809	.800	.802	.875	.872	.896	1.022	.885
1940	.993	.983	.911	.925	.818	.800	.815	.824	.887	.935	.898	.991	.898
Mean	.973	.947	.912	.881	.823	.794	.787	.813	.847	.887	.920	.961	.879

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft. †  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	70.5	74.5	80.1	83.6	83.3	77.9	75.9	75.8	74.5	75.3	72.3	69.8	76.1
1932	68.5	73.7	77.4	83.1	80.1	76.5	74.3	75.8	74.1	74.7	72.3	69.7	75.1
1933	69.9	74.6	78.3	82.3	79.1	74.7	73.9	74.1	73.5	73.1	72.8	69.3	74.6
1934	70.3	73.1	77.9	81.8	81.9	76.8	75.8	74.3	76.3	75.3	70.3	68.4	75.1
1935	70.9	74.9	79.3	81.9	82.5	77.4	74.1	73.9	73.5	74.3	70.3	70.1	75.3
1936	71.7	75.5	78.0	82.6	81.3	74.3	74.1	73.8	75.1	74.3	72.2	71.3	75.3
1937	70.4	76.0	79.8	78.7	81.2	76.3	73.9	75.3	75.3	73.9	71.2	69.6	75.1
1938	71.0	76.2	80.2	82.5	81.5	75.3	74.2	73.5	73.8	72.9	71.4	70.4	75.2
1939	69.4	73.1	78.0	79.7	81.4	76.5	73.3	73.9	74.0	74.5	71.2	68.9	74.5
1940	67.7	73.4	79.4	80.9	78.5	76.3	74.1	73.9	74.9	74.6	71.2	69.8	74.6
Mean	70.0	74.5	78.8	81.7	81.1	76.2	74.3	74.4	74.5	74.3	71.5	69.7	75.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.10	0.10	3.45	2.22	3.40	1.30	10.52	1.55	1.76	0.84	25.24
1932	0.00	3.54	0.04	0.32	4.38	2.72	4.17	5.79	4.39	13.26	4.06	0.26	42.93
1933	0.00	0.30	0.03	0.94	7.71	1.78	5.71	10.27	4.07	8.05	0.19	2.25	41.30
1934	0.29	0.00	0.30	3.56	2.53	3.35	1.32	2.65	0.33	9.15	1.06	0.20	24.74
1935	0.08	0.00	0.00	1.28	2.22	6.73	3.22	13.53	5.13	10.29	0.31	0.59	43.38
1936	0.00	0.04	0.94	0.09	6.48	2.69	5.59	2.42	7.19	2.90	2.03	0.00	30.37
1937	0.05	1.81	0.79	6.38	4.48	3.04	3.76	3.26	3.00	3.81	1.55	0.75	32.68
1938	0.00	0.09	0.22	0.60	2.34	2.65	5.45	12.11	6.82	1.15	0.06	0.00	31.49
1939	0.59	0.00	0.40	6.15	2.00	3.32	2.34	3.55	6.52	7.59	2.80	0.00	35.26
1940	0.00	0.00	0.08	1.66	7.62	4.70	1.59	3.17	4.86	5.92	6.40	0.60	36.60
Mean	0.10	0.58	0.29	2.11	4.32	3.32	3.66	5.31	5.28	6.37	2.02	0.55	34.39

\* Mean of 29 days.

† See NOTES, table 1, p. 19.

## BELGAUM, INDIA

Lat. 15°51' N. Long. 74°31' E.

TOTAL PRECIPITATION IN INCHES. H = 2,562 ft., h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.98	2.06	1.25	3.43	18.75	15.68	3.74	4.96	3.34	0.88	55.07
1932	0.00	0.00	0.00	6.48	2.30	2.04	25.31	12.50	8.09	15.81	2.38	0.00	74.91
1933	0.00	0.00	1.29	3.23	5.22	9.35	16.55	12.20	5.83	10.43	2.20	0.28	66.58
1934	0.13	0.00	0.00	2.01	0.59	9.82	18.91	11.02	1.67	3.76	2.24	0.00	50.15
1935	0.00	0.00	0.00	0.26	1.68	3.79	13.49	4.72	2.55	8.57	0.09	0.12	35.27
1936	0.00	0.00	0.00	0.75	1.61	15.70	6.81	7.04	4.84	3.62	2.20	0.08	42.65
1937	0.00	0.00	1.26	4.14	1.09	5.91	17.23	4.24	11.06	12.09	0.00	0.15	57.17
1938	0.00	0.00	1.82	1.93	0.88	8.18	11.89	6.15	5.89	4.17	0.43	0.71	42.05
1939	0.00	0.00	0.83	0.44	0.52	14.68	20.82	21.85	1.84	2.44	1.12	0.00	64.74
1940	0.00	0.00	0.01	0.77	2.66	10.30	18.98	9.48	3.00	3.86	1.44	1.23	51.73
Mean	0.01	0.00	0.62	2.21	1.78	8.34	16.87	10.49	4.85	6.97	1.54	0.35	54.03



BOMBAY (COLABA), INDIA

Lat. 18°54' N. Long. 72°49' E. H<sub>b</sub> = 37 ft.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of 8<sup>h</sup> 39<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.929	.904	.892	.808	.765	.670	.623	.613	.750	.795	.894	.918	.797
1932	.995	.913	.871	.829	.725	.680	.581	.704	.722	.798	.861	.943	.802
1933	.931	.880	.850	.819	.734	.637	.646	.704	.715	.795	.882	.907	.791
1934	.905	.890	.842	.792	.793	.637	.637	.686	.762	.845	.917	.951	.805
1935	.964	.901	.863	.821	.768	.648	.613	.718	.743	.812	.921	.931	.809
1936	.932	.907	.866	.813	.710	.641	.654	.695	.743	.867	.891	.920	.803
1937	.925	.904	.833	.784	.770	.630	.600	.703	.769	.841	.866	.908	.794
1938	.932	.896	.806	.792	.697	.604	.634	.668	.747	.811	.907	.904	.783
1939	.933	.909	.847	.798	.761	.663	.638	.676	.795	.831	.865	1.003	.810
1940	.948	.931	.877	.845	.738	.659	.646	.680	.814	.848	.849	.970	.817
Mean	.939	.904	.855	.810	.746	.647	.627	.685	.756	.824	.885	.936	.801

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 10 ft.†  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	78.6	76.8	79.4	85.4	87.3	86.9	81.1	81.5	82.2	81.2	82.2	78.6	81.8
1932	79.4	77.7	81.8	84.3	86.9	85.5	81.5	82.1	82.8	84.5	82.2	78.7	82.3
1933	77.2	76.2	80.9	85.0	86.1	84.4	83.5	81.1	81.6	83.2	82.0	77.8	81.6
1934	73.7	77.5	79.5	84.6	86.3	83.6	81.7	80.5	81.6	84.2	79.2	78.8	80.9
1935	74.2	75.6	81.1	82.8	86.1	85.1	81.3	81.1	80.4	83.8	81.3	78.1	80.9
1936	74.4	76.4	80.6	83.5	86.5	82.9	82.4	81.4	82.2	83.4	82.0	77.2	81.1
1937	74.4	76.1	79.0	83.4	85.7	84.3	80.7	81.5	81.4	82.6	82.4	76.0	80.6
1938	75.0	75.4	81.0	85.4	87.2	82.1	81.1	81.5	81.1	79.8	78.0	78.4	80.5
1939	77.3	77.1	79.3	82.8	85.6	85.3	81.1	81.1	81.4	82.8	81.5	78.6	81.2
1940	77.0	77.8	78.7	82.8	86.9	84.5	81.9	81.1	82.2	83.6	83.6	77.7	81.5
Mean	76.1	76.7	80.1	84.0	86.5	84.5	81.6	81.3	81.7	82.9	81.4	78.0	81.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 0.4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.00	0.01	0.00	6.08	47.50	23.71	4.48	13.07	2.40	0.69	97.94
1932	0.00	0.00	0.00	0.00	0.57	10.62	35.30	6.96	11.13	9.01	0.07	0.00	73.66
1933	0.00	0.00	0.00	0.00	2.85	10.29	14.13	18.81	12.31	3.04	0.01	0.93	62.37
1934	0.00	0.00	0.04	0.00	0.00	28.45	21.37	14.07	5.88	0.21	3.23	0.00	73.25
1935	0.00	0.00	0.00	0.02	0.00	27.69	24.10	16.69	11.90	1.04	0.18	0.00	81.62
1936	0.00	0.07	0.00	0.00	0.33	32.63	8.09	9.27	5.72	0.01	2.31	0.00	58.43
1937	0.00	0.55	0.00	0.01	0.00	18.32	30.42	5.45	14.20	1.77	0.00	0.00	70.72
1938	0.00	0.00	0.00	0.00	1.29	31.24	16.06	16.77	10.35	15.17	1.13	0.00	92.91
1939	0.00	0.00	0.01	0.00	0.00	4.67	33.08	10.87	5.39	0.17	0.15	0.00	54.34
1940	0.77	0.38	0.24	0.00	0.00	29.98	21.03	28.27	11.26	4.89	0.76	0.00	97.58
Mean	0.08	0.10	0.03	0.00	0.50	20.00	25.11	15.09	9.26	4.84	1.02	0.16	76.19

PRESSURE AT SEA LEVEL  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.8	14.0	13.5	10.7	9.2	6.0	4.4	4.1	8.7	10.3	13.6	14.4	10.3
1932	17.1	14.3	12.9	11.4	7.9	6.3	3.0	7.2	7.8	10.4	12.5	15.3	10.5
1933	14.9	13.2	12.1	11.1	8.2	4.9	5.2	7.2	7.6	10.3	13.2	14.1	10.2
1934	14.0	13.5	11.9	10.2	10.2	4.9	4.9	6.6	9.1	12.0	14.4	15.6	10.6
1935	16.1	13.9	12.6	11.1	9.4	5.3	4.1	7.7	8.5	10.8	14.5	14.9	10.7
1936	15.0	14.1	12.7	10.9	7.4	5.0	5.5	6.9	8.5	12.7	13.5	14.5	10.6
1937	14.7	14.0	11.6	9.9	9.4	4.7	3.7	7.1	9.4	11.8	12.7	14.1	10.3
1938	14.9	13.7	10.6	10.2	6.9	3.8	4.8	6.0	8.6	10.8	14.1	14.0	9.9
1939	15.0	14.2	12.0	10.4	9.1	5.8	4.9	6.2	10.3	11.5	12.6	17.3	10.8
1940	15.5	14.9	13.1	12.0	8.3	5.7	5.2	6.4	10.9	12.1	12.1	16.2	11.0
Mean	15.2	14.0	12.3	10.8	8.6	5.3	4.6	6.5	8.9	11.2	13.3	15.0	10.5

\* See NOTES, p. 17.

† See NOTES, table 1, p. 19.

## CALCUTTA (ALIPORE), INDIA

Lat. 22°32' N. Long. 88°20' E.  $H_b = 22$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 7<sup>h</sup> 37<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.010	.967	.894	.740	.646	.536	.530	.474	.690	.832	.968	.996	.774
1932	1.057	.934	.865	.763	.646	.503	.451	.617	.623	.822	.916	1.008	.767
1933	1.022	.920	.846	.773	.699	.494	.533	.632	.673	.824	.937	.970	.777
1934	.969	.897	.829	.718	.647	.566	.498	.552	.630	.836	.930	1.038	.759
1935	1.041	.922	.844	.758	.609	.536	.461	.614	.627	.818	.945	1.010	.765
1936	.992	.922	.869	.720	.619	.534	.513	.545	.696	.862	.977	.986	.770
1937	.998	.947	.824	.763	.654	.495	.472	.532	.676	.856	.933	.968	.760
1938	1.006	.949	.757	.738	.573	.526	.528	.578	.655	.783	.940	.978	.751
1939	1.015	.948	.851	.734	.612	.524	.451	.516	.666	.851	.909	1.088	.764
1940	1.033	.985	.841	.813	.654	.538	.495	.548	.721	.896	.925	1.049	.791
Mean	1.014	.939	.842	.752	.636	.525	.493	.561	.666	.838	.938	1.009	.768

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.\*Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	70.7	73.1	81.1	87.9	86.7	88.3	84.3	85.1	84.5	81.7	73.9	68.9	80.5
1932	69.9	72.1	82.9	87.5	87.1	85.9	84.1	83.7	84.2	83.2	74.7	68.7	80.3
1933	65.2	73.6	81.9	85.3	85.7	85.3	83.8	83.3	83.4	81.4	74.6	67.9	79.3
1934	66.5	72.3	82.5	87.1	88.3	85.8	84.8	83.9	84.3	81.7	73.1	68.3	79.9
1935	66.2	73.3	81.7	85.3	90.7	88.1	85.1	83.8	84.3	82.4	74.7	68.4	80.3
1936	67.5	72.5	83.9	88.2	85.4	83.5	84.4	84.5	83.7	81.3	76.0	69.3	80.0
1937	65.3	71.6	80.4	86.5	87.6	85.5	84.5	84.0	81.1	81.3	74.5	66.9	79.3
1938	69.7	70.0	84.9	89.2	85.2	84.8	84.3	83.6	85.0	82.8	73.7	67.0	80.0
1939	69.2	74.9	81.6	89.0	88.8	86.4	83.7	82.8	83.6	82.2	74.6	68.7	80.5
1940	66.4	72.6	78.7	87.2	87.2	86.3	84.1	84.0	83.9	82.8	78.1	68.8	80.0
Mean	67.7	72.6	82.0	87.3	87.3	86.0	84.3	83.9	84.1	82.1	74.8	68.3	80.0

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.06	2.90	1.31	1.08	7.68	6.02	13.70	8.77	12.66	6.15	5.04	0.01	65.38
1932	0.00	0.25	0.69	1.07	11.74	7.44	9.87	8.83	10.33	3.79	8.89	0.00	62.90
1933	0.78	2.59	0.06	3.16	7.48	15.71	17.18	14.70	10.49	9.71	0.00	0.00	81.86
1934	0.00	0.08	0.16	1.95	2.55	7.69	8.91	14.10	12.42	5.36	0.86	0.31	54.39
1935	0.54	1.29	0.99	2.34	0.42	4.05	6.58	11.79	6.67	0.91	0.00	0.21	35.79
1936	0.43	1.05	0.42	0.25	9.49	16.00	10.73	6.00	19.83	4.75	0.00	1.27	70.22
1937	0.00	5.43	0.38	0.15	5.47	17.52	10.92	14.10	13.31	7.89	0.15	0.09	75.41
1938	0.41	1.11	0.52	0.01	14.54	9.15	6.11	9.64	2.21	3.77	0.11	0.00	47.58
1939	0.06	1.48	0.03	1.57	2.74	15.20	14.85	21.66	10.85	9.48	0.35	0.03	78.30
1940	0.00	0.29	6.17	0.06	6.61	7.70	10.63	12.15	14.69	3.72	0.00	0.00	62.62
Mean	0.23	1.65	1.07	1.16	6.87	10.65	10.95	12.17	11.35	5.55	1.54	0.19	63.38

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.0	15.6	13.1	7.9	4.7	1.0	0.8	†98.9	6.2	11.0	15.6	16.6	9.0
1932	18.6	14.5	12.1	8.7	4.7	†99.9	†98.1	3.7	3.9	10.7	13.9	17.0	8.8
1933	17.4	14.0	11.5	9.0	6.5	†99.6	0.9	4.2	5.6	10.7	14.6	15.7	9.1
1934	15.7	13.2	10.9	7.1	4.7	2.0	†99.7	1.5	4.2	11.1	14.4	18.0	8.5
1935	18.1	14.1	11.4	8.5	3.5	1.0	†98.4	3.6	4.1	10.5	14.8	17.0	8.8
1936	16.4	14.1	12.3	7.2	3.8	0.9	0.2	1.3	6.4	12.0	15.9	16.3	8.9
1937	16.6	14.9	10.8	8.7	4.9	†99.6	†98.8	0.9	5.7	11.8	14.4	15.6	8.6
1938	16.9	15.0	8.5	7.8	2.2	0.6	0.7	2.4	5.0	9.4	14.7	16.0	8.3
1939	17.2	15.0	11.7	7.4	3.6	0.6	†98.1	0.3	5.4	11.7	13.6	16.3	8.7
1940	17.8	16.2	11.3	10.4	5.0	1.1	†99.6	1.4	7.3	13.1	14.2	16.2	9.7
Mean	17.2	14.7	11.3	8.3	4.4	0.6	†99.5	1.8	5.4	11.2	14.6	17.0	8.8

\* See NOTES, table 1, p. 19.

† 900 mb. +.

## CHERRAPUNJI, INDIA

Lat. 25°15' N. Long. 91°44' E.

TOTAL PRECIPITATION IN INCHES. H = 4,309 ft., hr = 2 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
<b>1931</b>	0.05	1.36	1.31	57.97	44.89	139.17	158.37	26.97	38.18	5.12	0.65	0.17	<b>474.21</b>
<b>1932</b>	0.34	2.07	1.31	13.21	117.77	110.37	67.20	121.90	34.11	7.10	11.17	0.09	<b>436.64</b>
<b>1933</b>	0.09	0.66	1.05	27.70	28.24	93.79	66.71	75.44	21.86	3.55	0.02	0.00	<b>319.11</b>
<b>1934</b>	1.07	3.89	1.10	44.16	47.19	178.06	116.82	54.88	34.90	52.69	1.21	0.29	<b>536.26</b>
<b>1935</b>	0.08	1.41	3.76	9.97	59.67	143.77	59.16	135.84	49.97	0.88	0.13	0.00	<b>464.64</b>
<b>1936</b>	0.72	2.54	6.45	21.61	57.64	72.04	104.64	47.03	56.81	35.09	0.29	1.40	<b>406.26</b>
<b>1937</b>	0.00	1.75	0.64	7.11	59.76	85.19	85.96	77.23	18.88	7.64	0.00	0.11	<b>344.27</b>
<b>1938</b>	1.65	0.30	18.08	22.42	36.50	151.90	111.03	100.06	94.76	8.60	3.70	0.00	<b>549.00</b>
<b>1939</b>	0.00	1.17	0.64	27.76	37.65	137.61	101.08	47.61	56.97	20.90	0.00	0.01	<b>431.40</b>
<b>1940</b>	0.00	3.03	8.78	3.44	45.78	84.65	82.79	53.84	82.13	14.69	0.21	0.00	<b>379.34</b>
<b>Mean</b>	<b>0.40</b> <sup>*</sup>	<b>1.82</b>	<b>4.31</b>	<b>23.54</b>	<b>53.51</b>	<b>119.66</b>	<b>95.38</b>	<b>74.08</b>	<b>48.86</b>	<b>15.63</b>	<b>1.74</b>	<b>0.21</b>	<b>439.11</b>

## COCHIN, INDIA

Lat. 9°58' N. Long. 76°14' E. H<sub>b</sub> = 9 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 25<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.918	.916	*.917	†.847	.815	.806	.832	.832	.847	.879	.883	.872	.864
1932	.970	.924	.895	.863	.785	.820	.797	.799	.855	.844	.864	.917	.861
1933	.901	.885	.868	.850	.803	.822	.829	.838	.850	.847	.874	.882	.854
1934	.867	.908	.864	.838	.841	.810	.809	.864	.866	.858	.907	.926	.863
1935	.934	.906	.876	.845	.818	.799	.823	.847	.863	.842	.904	.912	.864
1936	.927	.909	.881	.848	.768	.832	.829	.846	.828	.883	.892	.883	.860
1937	.902	.906	.849	.817	.813	.801	.810	.825	.869	.885	.841	.902	.852
1938	.921	.893	.826	.826	.780	.806	.806	.800	.826	.881	.908	.878	.846
1939	.921	.920	.870	.823	.805	.828	.843	.839	.881	.853	.853	.966	.867
1940	.952	.945	.894	.879	.793	.808	.850	.858	.879	.903	.840	.941	.879
Mean	.921	.911	.874	.844	.802	.813	.823	.835	.856	.865	.877	.908	.861

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	81.1	81.9	83.7	83.9	83.8	80.6	79.1	78.1	78.9	79.7	81.3	80.9	81.1
1932	79.3	80.2	83.1	83.4	81.3	80.7	78.9	79.7	79.7	79.4	79.9	79.9	80.5
1933	80.7	81.9	83.3	84.1	81.5	79.8	79.1	78.4	78.5	79.3	80.1	80.1	80.6
1934	80.3	79.7	82.3	83.3	83.3	79.3	78.9	79.3	79.3	80.0	79.9	80.3	80.5
1935	80.5	81.5	83.1	83.9	84.1	80.1	78.7	78.2	78.9	80.1	80.5	80.3	80.8
1936	80.2	81.1	83.1	84.4	82.7	79.5	78.5	78.5	80.0	80.7	80.9	81.5	80.9
1937	80.9	82.3	83.5	83.6	83.7	79.2	77.2	79.0	79.9	80.1	80.9	79.1	80.8
1938	80.3	81.3	83.7	83.3	83.2	78.9	77.7	78.8	78.6	79.3	79.6	80.1	80.4
1939	79.5	81.5	82.3	82.9	82.5	78.7	78.7	78.7	78.9	79.9	79.9	80.0	80.3
1940	78.9	80.8	81.6	83.8	82.9	80.5	78.6	78.3	80.1	80.6	80.9	80.3	80.6
Mean	80.2	81.2	83.0	83.7	82.9	79.7	78.5	78.7	79.4	79.9	80.4	80.3	80.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.28	0.21	2.34	8.24	6.99	23.75	26.24	46.15	5.00	6.11	3.09	2.69	131.09
1932	0.00	1.00	0.33	2.49	28.17	12.56	20.61	14.94	9.87	35.67	9.77	0.20	135.61
1933	0.00	0.97	1.42	8.10	42.42	29.04	21.23	19.94	14.48	10.63	6.73	0.90	155.66
1934	2.66	0.00	3.58	5.19	3.42	42.55	12.83	7.05	1.89	15.63	3.07	0.08	97.95
1935	0.50	0.24	0.60	2.20	2.22	22.93	15.59	8.78	8.17	17.13	4.35	0.58	83.29
1936	0.00	1.44	1.42	2.05	30.63	18.93	19.99	11.75	16.31	5.19	8.57	0.43	116.71
1937	0.41	0.89	1.07	8.77	4.34	24.67	40.02	14.88	5.39	16.26	6.01	1.00	123.71
1938	0.00	1.15	0.59	3.50	6.75	26.27	20.95	9.25	7.05	5.43	5.93	0.73	87.60
1939	0.03	0.00	2.27	11.28	8.52	41.14	22.22	11.88	10.02	16.79	10.80	0.12	134.57
1940	0.07	0.00	0.08	5.83	8.99	24.80	36.41	23.91	2.17	16.98	10.36	2.67	132.27
Mean	0.40	0.59	1.37	5.77	14.25	26.66	23.61	16.80	8.04	14.58	6.87	0.94	119.87

\* Mean of 30 days.

† Mean of 29 days.

## GAUHATI, INDIA

Lat. 26°11' N. Long. 91°45' E.

TOTAL PRECIPITATION IN INCHES. H = 182 ft., h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.34	2.37	6.45	11.26	9.60	20.99	14.65	6.57	3.29	0.00	0.50	76.02
1932	0.00	0.96	1.74	5.72	8.23	11.78	10.21	3.96	6.77	2.71	0.78	0.75	53.61
1933	0.59	0.73	0.00	6.71	9.10	4.61	13.69	7.08	2.79	3.26	0.06	0.00	48.62
1934	0.56	2.81	0.00	3.61	15.95	21.05	15.63	8.31	4.99	7.46	1.60	0.00	81.97
1935	0.02	1.78	2.28	1.29	7.38	...	7.31	9.48	5.18	0.00	0.00	0.09	...
1936	0.16	2.71	1.20	3.04	10.65	11.51	8.90	11.24	7.18	2.90	0.00	0.44	59.93
1937	0.00	1.76	0.75	3.53	12.73	11.03	10.76	19.39	11.97	2.29	0.45	0.00	74.66
1938	0.06	0.48	1.28	6.88	7.52	7.48	15.75	12.54	8.07	2.98	1.09	0.00	64.13
1939	0.00	0.30	0.00	0.34	6.92	10.52	12.62	3.56	10.47	4.77	0.00	0.00	49.50
1940	0.03	1.92	5.51	2.68	10.18	18.11	10.52	6.87	10.82	1.27	0.56	0.49	70.96
Mean	0.14	1.38	1.51	4.02	9.99	10.57	12.64	9.91	7.48	3.09	0.45	0.23	*61.42

\* Sum of 12 monthly means.

## JAIPUR, INDIA

Lat. 26°55' N. Long. 75°50' E.  $H_b = 1,431$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 27<sup>m</sup>, Indian standard time  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.591	.548	.513	.377	.258	.180	.114	.099	.301	.458	.589	.608	<b>.386</b>
1932	.632	.512	.499	.394	.259	.151	.093	.222	.246	.454	.556	.594	<b>.384</b>
1933	.621	.511	.479	.385	.303	.103	.119	.187	.256	.433	.539	.544	<b>.373</b>
1934	.533	.476	.454	.327	.273	.137	.112	.154	.270	.469	.541	.602	<b>.362</b>
1935	.596	.495	.463	.376	.239	.134	.082	.205	.257	.458	.563	.586	<b>.371</b>
1936	.569	.481	.472	.330	.177	.119	.115	.146	.285	.461	.552	.548	<b>.355</b>
1937	.547	.464	.424	.345	.237	.092	.070	.156	.288	.447	.509	.543	<b>.343</b>
1938	.559	.513	.372	.351	.161	.092	.091	.157	.272	.388	.546	.556	<b>.338</b>
1939	.568	.515	.462	.349	.220	.125	.079	.148	.265	.443	.511	.663	<b>.362</b>
1940	.576	.543	.403	.419	.235	.157	.105	.145	.333	.492	.522	.614	<b>.379</b>
Mean	<b>.579</b>	<b>.506</b>	<b>.454</b>	<b>.366</b>	<b>.236</b>	<b>.129</b>	<b>.098</b>	<b>.162</b>	<b>.277</b>	<b>.450</b>	<b>.543</b>	<b>.586</b>	<b>.365</b>

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.\*Means of  $\frac{1}{2}$  (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	63.9	62.0	74.2	88.0	92.8	94.9	87.0	82.9	83.2	78.5	70.3	64.9	<b>78.5</b>
1932	66.9	65.2	75.9	84.1	91.7	94.8	86.0	81.4	85.2	80.7	68.7	63.7	<b>78.7</b>
1933	58.4	66.5	75.5	82.2	87.1	91.3	84.9	81.1	81.6	77.8	70.2	63.4	<b>76.7</b>
1934	58.2	68.1	74.0	84.8	91.1	91.5	85.5	81.8	83.6	77.4	68.8	63.8	<b>77.4</b>
1935	57.3	66.2	75.2	80.6	92.2	93.9	85.1	83.0	82.3	77.4	70.6	62.5	<b>77.2</b>
1936	58.7	66.0	74.0	84.4	95.7	91.1	85.6	82.8	83.2	79.6	71.0	62.4	<b>77.9</b>
1937	59.7	67.4	72.6	84.4	93.2	94.9	84.3	84.2	83.4	78.8	71.6	60.8	<b>77.9</b>
1938	59.8	63.3	78.2	86.4	96.2	89.0	88.1	85.1	86.8	81.8	68.9	63.5	<b>78.9</b>
1939	63.5	67.0	70.4	82.3	93.4	91.2	87.1	88.2	85.7	82.6	70.4	64.7	<b>78.9</b>
1940	62.4	65.0	72.1	83.8	94.0	92.3	87.3	82.0	82.1	81.0	72.4	62.8	<b>78.1</b>
Mean	<b>60.9</b>	<b>65.7</b>	<b>74.2</b>	<b>84.1</b>	<b>92.7</b>	<b>92.5</b>	<b>86.1</b>	<b>83.3</b>	<b>83.7</b>	<b>79.6</b>	<b>70.3</b>	<b>63.3</b>	<b>78.0</b>

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.14	0.15	0.00	0.18	0.34	9.72	15.23	0.51	1.11	0.00	0.04	<b>27.42</b>
1932	0.00	0.01	0.78	0.09	0.41	0.15	8.16	12.06	0.85	0.01	0.00	0.06	<b>22.58</b>
1933	0.00	0.14	0.25	0.71	1.41	11.69	5.79	11.94	5.65	1.63	0.00	0.00	<b>39.21</b>
1934	0.12	0.00	0.08	0.28	0.00	2.68	4.20	17.57	2.45	0.00	0.00	0.87	<b>28.25</b>
1935	1.29	0.43	0.00	0.15	0.00	1.54	9.45	6.93	6.39	0.51	0.00	2.24	<b>28.93</b>
1936	0.09	0.17	0.25	0.00	0.60	4.50	4.69	8.43	2.75	0.02	0.59	0.14	<b>22.23</b>
1937	0.00	0.66	0.05	0.40	0.76	1.04	10.30	2.00	2.53	0.00	0.05	0.01	<b>17.80</b>
1938	0.79	0.00	0.00	0.00	0.00	4.41	5.07	1.73	0.04	0.76	0.00	0.00	<b>12.80</b>
1939	0.01	1.25	0.39	0.01	0.00	1.59	3.34	1.62	0.85	0.00	0.00	0.00	<b>9.06</b>
1940	1.16	1.85	0.34	0.24	0.06	1.79	8.00	15.27	1.37	0.04	0.11	0.00	<b>30.23</b>
Mean	<b>0.35</b>	<b>0.47</b>	<b>0.23</b>	<b>0.19</b>	<b>0.34</b>	<b>2.97</b>	<b>6.87</b>	<b>9.28</b>	<b>2.34</b>	<b>0.41</b>	<b>0.08</b>	<b>0.34</b>	<b>23.87</b>

\* See NOTES, table 1, p. 19.

KALAT, INDIA

Lat. 29°2' N. Long. 66°35' E. H<sub>b</sub> = 6,616 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of 7<sup>h</sup> 4<sup>m</sup>,\* Indian standard time  
23 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.606	.568	.641	.635	.575	.535	.441	.449	.582	.679	.705	.666	.590
1932	.691	.577	.594	.633	.611	.488	‡.412	.504	.574	.676	.706	.666	.594
1933	.610	.573	.617	.587	.586	.482	.462	.500	.571	.665	.693	.656	.583
1934	.573	.643	.581	.610	.596	.490	.438	.486	.586	.699	.705	.646	.588
1935	.570	.559	.624	.558	‡.574	...	‡.432	.484	.550	.659	.782	.725	...
1936	...	...	...	...	.603	.520	.473	.519	.603	.742	.735	.650	...
1937	.635	.580	.600	.638	.628	.507	.443	.490	.627	.716	.720	.654	.603
1938	.632	.609	.573	.646	.573	.478	.474	.504	.611	.688	.726	.670	.599
1939	.664	.581	.602	.611	.600	.496	.446	.498	.614	.710	.728	.766	.610
1940	.639	.650	.556	.671	.615	.515	.463	.511	.632	.756	.738	.723	.622
Mean	.624	.593	.599	.621	.596	.501	.448	.494	.595	.699	.724	.682	§.598

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.\*  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	39.9	35.4	47.1	58.2	63.1	68.4	72.9	75.1	62.5	52.6	45.1 <sup>b</sup>	39.5	54.8
1932	40.8	38.4	47.6	57.8	64.5	71.0	76.0	71.4	64.4	52.2	45.2	36.5	55.5
1933	34.7	39.7	45.7	54.7	66.3	73.2	76.0	73.9	61.4	53.4	46.1	43.1	55.9
1934	27.1	45.9	45.7	57.3	63.7	73.9	76.9	75.1	64.1	52.1	45.2	42.3	55.8
1935	32.3	41.0	47.3	51.7	61.7	...	73.9	71.7	61.1	52.3	48.3	38.3	...
1936	32.6	41.5	45.1	56.1	69.1	73.7	75.5	70.9	68.5	57.6	43.6	40.1	56.2
1937	35.4	41.3	44.3	54.3	66.1	73.9	77.9	75.3	66.1	54.3	47.0	36.4	56.0
1938	36.2	41.1	50.7	59.8	70.5	73.7	74.8	74.9	66.1	56.8	42.1	41.1	57.3
1939	39.7	41.8	45.2	51.9	63.7	74.9	75.7	74.3	68.1	57.9	49.3	43.0	57.1
1940	39.9	42.1	44.8	56.5	67.5	74.1	77.9	71.3	66.4	59.9	49.6	39.9	57.5
Mean	35.9	40.8	46.4	55.8	65.6	73.0	75.8	73.4	65.2	54.9	46.2	40.0	§6.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.13	4.90	0.41	0.39	0.07	0.42	0.01	0.00	0.00	0.00	0.01	0.05	7.39
1932	0.49	0.18	2.55	0.09	0.04	0.00	1.95	1.25	0.00	0.00	0.00	0.28	6.83
1933	1.99	0.86	1.55	0.96	0.30	0.00	1.62	0.77	0.00	0.06	0.00	0.60	8.71
1934	0.62	0.00	0.82	0.85	0.18	0.11	0.17	1.79	0.00	0.00	0.07	3.20	7.81
1935	2.33	4.26	0.62	1.41	0.03	...	0.20	0.00	0.00	0.00	0.00	0.02	...
1936	1.20	2.82	1.13	0.04	0.60	0.08	0.16	0.00	0.20	0.00	0.00	2.83	9.06
1937	1.34	2.91	1.89	0.82	0.03	0.00	1.37	0.00	0.00	0.00	0.00	0.35	8.71
1938	3.92	1.34	0.20	0.56	0.00	0.13	1.05	0.42	0.00	0.00	0.06	0.63	8.31
1939	1.20	5.11	2.55	1.32	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.44	10.65
1940	2.50	2.21	0.45	0.26	0.35	0.17	0.02	0.03	0.00	0.00	0.14	0.21	6.34
Mean	1.67	2.46	1.22	0.67	0.16	0.10	0.66	0.43	0.02	0.01	0.03	0.86	‡8.29

\* See NOTES, p. 17.  
 † Mean of 30 days.  
 ‡ Mean of 26 days.  
 § Mean of 12 monthly means.  
 ¶ Sum of 12 monthly means.

## KARACHI (MANORA), INDIA

Lat. 24°48' N. Long. 66°59' E. H = 13 ft.

PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 9<sup>h</sup> 2<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.045	1.024	.946	.800	.675	.592	.490	.490	.704	.849	.994	1.042	.804
1932	1.079	.962	.922	.814	.678	.554	.451	.607	.673	.846	.972	1.045	.800
1933	1.086	.958	.911	.796	.687	.523	.503	.610	.689	.850	.968	1.005	.799
1934	1.062	.944	.901	.775	.725	.521	.494	.561	.700	.899	.980	1.041	.800
1935	1.066	.958	.900	.803	.685	.546	.462	.592	.663	.859	.975	1.027	.795
1936	1.032	.910	.939	.775	.605	.505	.497	.555	.683	.888	.989	1.016	.783
1937	1.032	.925	.885	.781	.677	.499	.454	.545	.703	.865	.946	1.010	.777
1938	1.053	.990	.823	.793	.581	.484	.497	.557	.686	.808	.996	1.015	.774
1939	1.056	.953	.924	.802	.680	.523	.485	.561	.698	.873	.932	1.105	.799
1940	1.018	.997	.871	.854	.652	.546	.474	.566	.751	.892	.934	1.081	.803
Mean	1.053	.962	.902	.799	.665	.529	.481	.564	.695	.863	.969	1.039	.793

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	66.9	65.4	73.7	81.5	84.9	87.1	86.3	85.3	80.2	79.9	76.2	71.1	78.2
1932	68.1	70.7	76.5	80.9	83.9	85.5	85.1	81.8	81.3	81.9	75.1	69.9	78.4
1933	65.4	67.9	74.8	80.3	84.1	86.7	84.3	81.1	82.3	80.8	77.3	71.2	78.0
1934	62.1	69.3	74.3	80.9	84.3	85.7	85.3	84.1	81.9	79.5	76.9	71.4	77.9
1935	63.1	69.1	75.5	79.1	82.5	84.7	84.1	80.8	80.1	80.3	77.4	70.6	77.3
1936	65.9	71.0	73.3	79.5	84.3	86.9	84.0	82.1	80.9	80.3	76.1	70.7	77.9
1937	67.2	71.2	74.5	79.3	83.3	86.1	84.9	82.5	81.5	80.9	77.1	67.2	78.0
1938	64.9	68.1	75.1	79.0	84.3	87.4	83.7	80.9	80.3	78.9	74.3	68.9	77.1
1939	67.7	68.7	72.8	77.8	81.1	85.8	82.3	80.5	80.3	79.3	78.1	72.7	77.3
1940	69.2	69.7	73.7	78.6	84.5	86.4	85.5	81.6	79.5	81.3	78.9	71.1	78.3
Mean	66.1	69.1	74.4	79.5	83.7	86.2	84.6	82.1	80.8	80.3	76.7	70.5	77.8

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.06	0.22	0.21	0.00	0.00	0.00	0.19	0.05	0.00	0.00	0.00	0.00	0.73
1932	0.21	0.00	0.00	0.00	0.00	0.00	11.41	1.13	0.00	0.00	0.00	0.00	12.78
1933	0.05	0.05	0.00	0.05	0.22	0.00	15.11	3.03	1.27	0.00	0.00	0.00	20.11
1934	0.00	0.00	0.08	0.00	0.00	1.28	6.19	0.23	0.00	0.00	0.00	0.36	8.44
1935	0.64	1.16	0.00	1.20	0.00	0.00	0.31	0.19	0.01	0.03	0.00	0.01	3.55
1936	0.05	0.57	0.07	0.00	0.00	0.72	2.64	0.01	0.03	0.00	0.01	0.11	4.21
1937	0.00	0.96	0.00	0.01	0.00	0.00	8.14	0.03	0.00	0.00	0.00	2.58	11.78
1938	0.01	0.00	0.00	0.04	0.12	0.06	1.66	2.61	0.01	0.00	0.00	0.22	4.73
1939	0.01	2.01	2.21	0.08	0.00	0.02	0.02	0.02	0.01	0.00	0.16	0.00	4.54
1940	2.70	1.27	1.83	0.00	0.00	0.40	2.09	2.15	0.00	0.00	0.03	0.37	10.84
Mean	0.37	0.62	0.44	0.14	0.03	0.25	4.84	0.95	0.13	0.00	0.02	0.37	81.6



## KODAIKANAL, INDIA

Lat. 10°14' N. Long. 77°28' E. H<sub>b</sub> = 7,688 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 20<sup>m</sup>, Indian standard time  
22 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.820	.833	.846	.818	.791	.740	.739	.723	.749	.792	.806	.783	.787
1932	.836	.809	.814	.813	.741	.736	.693	.732	.752	.771	.772	.808	.773
1933	.800	.794	.795	.804	.756	.726	.716	.736	.739	.752	.788	.777	.765
1934	.780	.793	.780	.795	.797	.729	.709	.755	.765	.783	.797	.803	.774
1935	.814	.802	.801	.798	.780	.729	.709	.741	.755	.769	.814	.812	.777
1936	.814	.811	.815	.811	.738	.738	.724	.740	.763	.806	.813	.802	.781
1937	.810	.822	.796	.782	.792	.730	.712	.741	.787	.801	.780	.791	.779
1938	.819	.813	.783	.795	.750	.708	.709	.723	.743	.788	.801	.793	.769
1939	.808	.807	.799	.785	.776	.743	.729	.725	.784	.786	.773	.850	.780
1940	.809	.842	.821	.840	.767	.743	.751	.756	.801	.825	.787	.847	.799
Mean	.811	.813	.805	.804	.769	.732	.719	.737	.764	.787	.793	.807	.778

TEMPERATURE IN DEGREES F. h<sub>r</sub> = 4½ ft.\*

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.7	61.0	61.4	61.9	63.6	61.8	59.2	58.9	59.0	58.8	56.2	54.8	59.4
1932	53.8	56.4	58.6	61.3	60.4	60.1	58.2	58.5	58.0	58.0	55.4	53.8	57.7
1933	55.4	57.2	58.5	61.1	60.1	59.3	58.6	57.8	57.6	56.8	54.2	55.1	57.6
1934	55.2	55.5	58.4	61.7	62.6	59.7	58.3	59.2	59.8	57.8	55.3	54.0	58.1
1935	54.6	56.9	59.6	61.1	64.4	61.3	58.6	58.3	58.6	57.6	55.2	55.0	58.4
1936	55.6	58.0	59.8	62.7	62.0	59.4	58.3	58.3	59.8	57.8	55.6	55.0	58.5
1937	57.0	57.8	59.8	60.6	63.2	61.7	58.2	59.1	58.9	57.6	55.6	55.0	58.7
1938	56.5	58.2	60.2	60.7	63.2	58.7	58.0	58.7	58.4	57.2	54.3	55.4	58.3
1939	54.6	54.8	58.8	60.5	63.8	60.1	58.6	58.4	59.2	58.2	55.9	54.4	58.1
1940	53.3	56.6	60.4	61.1	62.0	60.7	59.2	58.7	59.4	58.0	56.2	55.6	58.4
Mean	55.3	57.2	59.6	61.3	62.5	60.3	58.5	58.6	58.9	57.8	55.4	54.8	58.3

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.92	0.00	0.00	6.16	6.51	3.49	6.66	5.63	6.66	5.85	12.14	15.69	70.71
1932	0.02	1.77	0.77	4.83	7.84	0.56	5.46	12.65	3.89	15.01	11.53	4.80	69.13
1933	0.21	1.21	1.63	6.59	13.89	1.48	4.88	13.57	9.20	10.87	7.41	3.44	74.38
1934	13.96	0.00	1.09	2.56	7.39	8.06	3.05	2.32	0.63	9.91	5.20	1.13	55.30
1935	2.30	0.40	1.34	10.00	1.20	6.98	2.58	12.02	3.19	12.20	18.85	6.02	77.08
1936	0.22	0.74	6.18	0.46	5.68	5.80	6.07	4.33	13.77	4.63	22.76	4.47	75.11
1937	0.94	1.26	2.51	7.18	6.97	3.33	3.43	5.40	10.56	13.10	10.58	0.09	65.35
1938	0.04	2.88	2.27	3.08	4.37	2.71	4.97	8.96	8.34	5.90	2.76	7.76	54.04
1939	3.68	4.81	0.91	5.73	1.78	3.16	1.52	6.44	4.45	11.68	24.52	0.52	69.20
1940	0.00	0.00	1.40	7.23	9.86	5.70	3.69	4.56	9.53	7.49	23.28	1.67	74.41
Mean	2.33	1.31	1.81	5.38	6.55	4.13	4.23	7.59	7.02	9.66	13.90	4.56	68.52

\* See NOTES, table 1, p. 19.

## LAHORE, INDIA

Lat. 31°35' N. Long. 74°20' E.  $H_b = 702$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 33<sup>m</sup>, Indian standard time  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
<b>1931</b>	1.320	1.293	1.209	1.044	.909	.817	.767	.780	.962	1.166	1.293	1.334	<b>1.075</b>
<b>1932</b>	1.358	1.230	1.190	1.049	.940	.750	.751	.869	.918	1.139	1.262	1.322	<b>1.065</b>
<b>1933</b>	1.349	1.239	1.176	1.089	.964	.759	.782	.893	.979	1.128	1.263	1.275	<b>1.075</b>
<b>1934</b>	1.285	1.190	1.188	1.014	.961	.800	.755	.852	.937	1.160	1.257	1.352	<b>1.063</b>
<b>1935</b>	1.348	1.244	1.182	1.092	.900	.775	.763	.866	.931	1.140	1.273	1.332	<b>1.071</b>
<b>1936</b>	1.312	1.203	1.198	1.031	.831	.803	.770	.810	.984	1.172	1.291	1.302	<b>1.059</b>
<b>1937</b>	1.298	1.218	1.144	1.049	.915	.742	.772	.783	.974	1.161	1.240	1.283	<b>1.048</b>
<b>1938</b>	1.317	1.242	1.074	1.033	.803	.761	.742	.817	.935	1.088	1.272	1.290	<b>1.031</b>
<b>1939</b>	1.319	1.249	1.181	1.042	.854	.771	.715	.810	.928	1.131	1.231	1.308	<b>1.052</b>
<b>1940</b>	1.320	1.266	1.124	1.122	.887	.802	.749	.835	.990	1.198	1.242	1.354	<b>1.074</b>
<b>Mean</b>	<b>1.323</b>	<b>1.237</b>	<b>1.167</b>	<b>1.057</b>	<b>.906</b>	<b>.778</b>	<b>.757</b>	<b>.832</b>	<b>.954</b>	<b>1.148</b>	<b>1.242</b>	<b>1.324</b>	<b>1.061</b>

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.\*Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
<b>1931</b>	56.7	54.7	68.4	83.8	89.9	93.9	88.6	89.0	85.4	78.4	66.4	57.5	<b>76.1</b>
<b>1932</b>	57.6	59.5	70.9	82.8	87.2	97.0	90.9	88.0	88.2	78.4	65.6	55.7	<b>76.8</b>
<b>1933</b>	50.6	60.8	68.8	77.6	88.2	95.7	91.2	84.8	83.5	78.1	66.2	59.2	<b>75.4</b>
<b>1934</b>	51.4	63.5	68.6	81.1	88.3	94.1	91.6	87.8	88.8	76.4	65.3	57.8	<b>76.2</b>
<b>1935</b>	51.6	59.8	70.2	74.2	88.9	94.0	91.2	87.7	86.8	77.4	67.0	56.6	<b>75.5</b>
<b>1936</b>	52.0	61.0	68.0	79.6	96.0	91.6	89.5	89.8	86.8	78.7	65.4	56.6	<b>76.3</b>
<b>1937</b>	53.3	59.8	67.4	78.9	90.7	95.8	88.9	92.9	87.6	77.2	65.7	54.4	<b>76.1</b>
<b>1938</b>	53.0	57.1	71.1	83.1	94.7	90.6	93.6	91.3	88.6	78.2	64.5	56.8	<b>76.9</b>
<b>1939</b>	56.6	58.7	64.2	76.8	91.4	92.5	91.0	91.0	88.9	80.3	65.8	58.4	<b>76.3</b>
<b>1940</b>	55.8	59.4	67.6	79.1	91.6	94.2	92.0	87.9	86.0	78.6	68.2	56.6	<b>76.4</b>
<b>Mean</b>	<b>53.8</b>	<b>59.4</b>	<b>63.5</b>	<b>79.7</b>	<b>90.7</b>	<b>93.9</b>	<b>90.9</b>	<b>89.0</b>	<b>87.1</b>	<b>78.2</b>	<b>66.0</b>	<b>57.0</b>	<b>76.2</b>

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
<b>1931</b>	1.72	0.91	0.99	0.26	0.85	0.05	9.77	9.60	2.24	1.05	0.00	0.00	<b>27.44</b>
<b>1932</b>	1.34	0.03	0.82	0.26	0.28	0.57	6.43	1.97	0.40	0.00	0.00	1.53	<b>13.63</b>
<b>1933</b>	0.06	0.13	0.79	0.71	0.17	1.21	3.70	9.38	3.09	0.00	0.36	0.00	<b>19.60</b>
<b>1934</b>	0.53	0.16	1.13	0.05	0.10	1.12	3.75	4.44	0.03	0.00	0.00	0.26	<b>11.57</b>
<b>1935</b>	3.29	3.41	0.38	2.99	0.25	0.08	1.24	3.34	1.09	0.00	0.45	0.02	<b>16.54</b>
<b>1936</b>	0.09	1.77	0.98	0.59	0.06	6.01	3.95	4.22	1.92	0.87	0.00	0.67	<b>21.13</b>
<b>1937</b>	0.01	4.37	0.32	1.61	0.16	0.33	9.20	0.31	1.30	0.16	0.01	0.76	<b>18.54</b>
<b>1938</b>	1.66	1.12	0.14	0.37	0.00	5.27	0.86	0.90	0.00	0.57	0.00	0.02	<b>10.91</b>
<b>1939</b>	0.33	2.70	1.48	0.13	0.28	2.41	3.14	1.83	2.00	0.14	0.00	0.00	<b>14.44</b>
<b>1940</b>	2.54	1.06	0.60	0.16	0.05	2.85	1.44	3.28	1.12	0.00	0.00	0.00	<b>13.10</b>
<b>Mean</b>	<b>1.16</b>	<b>1.57</b>	<b>0.76</b>	<b>0.71</b>	<b>0.22</b>	<b>1.99</b>	<b>4.35</b>	<b>3.93</b>	<b>1.32</b>	<b>0.28</b>	<b>0.08</b>	<b>0.33</b>	<b>16.70</b>

\* See NOTES, table 1, p. 19.

## LEH, INDIA

Lat. 34°9' N. Long. 77°34' E.  $H_b = 11,529$  ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 20<sup>m</sup>, Indian standard time  
19 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.664	.502	.714	.750	.708	.699	.619	.650	.714	.777	.761	.703	.688
1932	.728	.596	.723	.738	.705	.670	.623	.656	.684	.773	.759	.649	.692
1933	.564	.624	.666	.665	.704	.653	.641	.699	.724	.755	.765	.695	.680
1934	.484	.670	.625	.696	.706	.684	.615	.657	.721	.758	.706	.678	.667
1935	.572	.628	.698	.634	.706	.679	.612	.664	.678	.812	.751	.674	.676
1936	.563	.636	.686	.683	.749	.652	.622	.650	.705	.793	.783	.623	.679
1937	.588	.598	.602	.683	.725	.681	.641	.647	.750	.775	.721	.684	.675
1938	.645	.652	.610	.766	.740	.622	.632	.660	.730	.756	.738	.731	.690
1939	.691	.633	.600	.677	.758	.676	.639	.664	.726	.768	.790	.794	.701
1940	.685	.653	.587	.729	.733	.681	.619	.659	.724	.837	.766	.698	.698
Mean	.618	.619	.651	.702	.723	.670	.626	.661	.716	.780	.754	.693	.685

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	20.1	32.3	44.9	49.3	54.7	59.5	62.5	56.8	48.7	36.2	24.5	...
1932	20.5	24.1	35.1	43.8	47.7	57.7	65.6	62.6	56.5	43.5	37.0	25.0	43.3
1933	9.4	19.3	30.2	40.1	51.1	59.1	63.9	61.2	55.7	45.0	34.3	28.1	41.5
1934	19.6	29.1	35.1	42.6	47.3	58.6	64.5	62.1	57.9	44.1	33.0	25.9	43.3
1935	17.3	28.3	35.1	39.5	51.6	56.3	63.8	59.9	55.4	43.7	34.4	21.5	42.2
1936	17.1	25.7	33.4	42.3	56.3	59.4	62.9	62.0	59.3	45.9	34.8	23.9	43.6
1937	18.9	27.3	32.6	43.3	52.7	59.1	64.3	64.4	55.7	43.6	28.7	16.5	42.3
1938	12.5	13.7	30.2	44.4	56.1	58.6	63.1	58.5	51.5	42.9	29.5	23.7	40.4
1939	19.1	24.9	28.8	39.9	50.1	58.3	65.7	63.5	57.7	44.0	33.3	24.9	42.5
1940	21.0	22.8	30.9	40.9	49.7	58.3	64.1	60.1	50.8	42.7	33.5	21.5	41.4
Mean	17.3	23.5	32.4	42.2	51.2	58.0	63.7	61.7	55.7	44.4	33.5	23.6	42.3

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.26	0.33	0.22	0.06	0.28	0.16	0.25	0.98	0.55	0.05	0.00	0.04	3.18
1932	0.25	0.07	0.07	0.00	0.12	0.26	0.34	0.60	0.00	0.68	0.00	0.82	3.21
1933	0.71	0.29	0.48	0.39	0.03	0.14	1.38	4.39	0.91	0.20	0.02	0.13	9.07
1934	0.20	0.27	0.03	0.40	0.22	0.00	0.00	0.22	0.00	0.03	0.00	0.18	1.55
1935	0.29	0.14	0.04	0.01	0.05	0.28	0.35	0.65	0.00	0.00	0.22	0.20	2.23
1936	0.10	0.23	0.40	0.00	0.16	0.28	0.52	0.99	0.08	0.32	0.00	0.37	3.45
1937	0.25	0.11	0.09	0.39	0.07	0.55	0.87	0.00	0.47	0.19	0.14	0.66	3.79
1938	0.63	1.30	0.52	0.14	0.00	0.08	0.02	0.17	0.00	0.06	0.07	0.02	2.91
1939	0.17	0.09	0.33	0.00	0.13	0.07	0.11	0.35	0.03	0.16	0.01	0.12	1.57
1940	0.52	0.25	0.09	0.22	0.48	0.10	0.76	0.92	0.88	0.00	0.01	0.22	4.45
Mean	0.34	0.30	0.23	0.16	0.15	0.19	0.46	0.93	0.29	0.17	0.05	0.28	3.55

\*  $H_b$  redetermined.

† Mean of 12 monthly means.

## MADRAS, INDIA

Lat. 13°4' N. Long. 80°15' E. H<sub>b</sub> = 22 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 9<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.957	.936	.902	.804	.703	.647	.703	.668	.726	.800	.898	.905	.804
1932	1.025	.922	.893	.817	.702	.671	.649	.725	.732	.801	.835	.955	.811
1933	.959	.906	.872	.819	.732	.684	.680	.730	.737	.784	.875	.898	.806
1934	.901	.910	.841	.776	.720	.669	.664	.723	.737	.814	.899	.965	.802
1935	.971	.908	.858	.783	.662	.643	.655	.716	.732	.787	.906	.936	.796
1936	.937	.896	.883	.765	.662	.686	.670	.699	.744	.833	.901	.914	.799
1937	.946	.910	.839	.780	.694	.636	.657	.699	.766	.833	.852	.922	.795
1938	.962	.900	.809	.792	.640	.656	.666	.687	.710	.803	.892	.929	.787
1939	.959	.942	.852	.782	.663	.669	.685	.683	.766	.799	.836	1.003	.803
1940	.988	.964	.852	.857	.670	.665	.706	.716	.789	.869	.847	.967	.824
Mean	.961	.919	.860	.798	.685	.663	.674	.705	.744	.812	.874	.939	.803

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.\*  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	76.5	77.5	81.1	85.7	89.8	91.4	86.5	86.7	84.7	83.7	78.9	77.1	83.3
1932	75.5	77.9	79.7	84.8	87.4	91.3	88.4	85.2	85.6	81.8	79.1	76.3	82.7
1933	76.6	77.1	79.5	84.9	87.9	90.8	88.6	86.2	86.6	81.3	78.6	75.8	82.8
1934	76.2	76.1	80.5	85.4	90.2	89.5	87.6	85.7	86.2	82.1	78.0	75.4	82.7
1935	76.0	77.3	81.2	86.5	92.0	91.1	88.7	85.2	85.0	82.3	78.6	76.8	83.4
1936	76.8	79.5	80.7	86.8	89.0	89.0	87.5	86.0	85.8	83.1	79.2	78.0	83.5
1937	76.2	79.1	81.8	84.2	90.6	92.0	87.0	86.2	86.0	81.4	77.8	74.3	83.1
1938	76.2	79.1	82.6	85.4	92.4	88.2	88.0	86.0	84.4	84.3	78.4	76.3	83.4
1939	75.8	76.5	80.8	84.3	91.5	91.6	88.6	88.6	86.1	82.8	78.0	77.4	83.5
1940	74.6	76.9	83.8	85.0	90.0	90.1	88.2	87.2	86.0	82.5	78.6	77.4	83.4
Mean	76.0	77.7	81.2	85.3	90.1	90.5	87.9	86.3	85.6	82.5	78.5	76.5	83.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.05	0.00	0.00	1.51	1.77	3.25	5.73	3.91	8.53	6.77	16.66	10.35	58.53
1932	0.00	0.69	0.00	0.58	0.59	1.14	0.84	1.99	4.45	21.63	11.52	3.16	46.59
1933	0.00	0.00	3.42	0.03	0.07	0.75	1.08	3.00	1.20	9.87	5.76	15.00	40.18
1934	2.05	0.00	0.00	0.74	0.00	1.76	2.07	7.17	2.00	16.82	1.86	2.19	36.66
1935	0.57	0.00	0.00	0.00	0.00	1.23	2.21	9.07	2.98	15.53	6.40	2.35	40.34
1936	0.10	2.53	0.90	0.46	0.02	2.82	4.87	5.99	1.93	8.16	14.53	1.94	44.25
1937	0.07	0.00	0.00	2.61	0.00	1.75	3.70	6.99	4.00	10.40	24.61	7.25	61.38
1938	0.00	0.54	1.45	0.00	0.12	1.85	1.96	4.24	5.81	7.90	0.25	2.34	26.46
1939	0.65	0.00	0.29	5.23	0.00	1.05	1.39	0.86	5.22	5.05	13.00	0.88	33.62
1940	0.14	0.00	0.12	0.48	5.31	0.96	4.11	4.05	2.85	6.18	22.48	5.52	52.20
Mean	0.36	0.37	0.62	1.16	0.79	1.66	2.80	4.73	3.90	10.83	11.71	5.10	44.03

\* See NOTES, table 1, p. 19.

## MANGALORE, INDIA

Lat. 12°52' N. Long. 74°51' E.

TOTAL PRECIPITATION IN INCHES. H = 72 ft., h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.00	2.42	11.20	31.05	38.17	48.64	8.91	4.15	3.10	2.32	149.96
1932	0.00	0.00	0.00	0.39	17.24	31.51	21.67	10.92	16.40	19.23	3.74	0.26	121.36
1933	0.00	0.00	0.00	2.69	18.82	30.72	63.86	14.26	14.59	14.00	2.03	6.20	167.17
1934	1.19	0.00	0.00	0.21	1.92	46.24	28.75	22.68	5.98	7.69	1.41	0.35	116.42
1935	0.00	0.00	0.00	2.23	0.89	32.12	42.21	18.71	11.73	16.27	0.10	0.60	124.86
1936	0.00	0.80	2.94	0.30	7.60	48.24	46.96	23.90	8.79	10.75	2.69	1.07	154.04
1937	0.00	0.00	0.00	4.46	2.92	34.53	65.58	15.30	9.23	9.40	0.45	0.05	141.92
1938	0.00	0.00	0.42	3.41	15.59	46.57	42.56	16.94	12.69	2.94	2.08	0.00	143.20
1939	0.00	0.00	0.00	5.02	0.00	37.22	37.43	19.48	5.36	7.97	3.91	0.00	116.39
1940	0.00	0.00	0.00	0.69	6.03	29.56	45.04	47.74	2.94	11.42	8.10	0.63	152.15
Mean	0.12	0.06	0.34	2.18	8.22	36.78	43.22	23.86	9.66	10.38	2.76	1.15	138.75

## MASULIPATAM, INDIA

Lat. 16°11' N. Long. 81°8' E.

TOTAL PRECIPITATION IN INCHES. H = 10 ft., h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.00	0.00	3.13	5.69	4.51	3.05	7.26	13.24	10.32	0.00	47.20
1932	0.00	2.91	0.00	0.03	0.98	3.23	7.45	5.30	5.61	7.18	5.42	0.00	38.11
1933	0.05	0.00	0.00	0.08	0.80	5.95	10.12	5.77	4.83	9.65	4.80	1.75	43.80
1934	0.00	0.00	0.00	0.36	0.22	2.62	9.33	4.31	4.94	5.64	7.68	0.16	35.26
1935	0.15	0.00	0.00	1.30	0.59	1.74	8.37	1.93	8.36	10.05	0.25	0.00	32.74
1936	0.05	4.38	0.00	0.40	6.83	3.30	10.43	6.15	3.65	7.58	4.64	0.00	47.41
1937	0.00	2.78	0.00	2.70	0.09	1.41	6.61	7.52	3.15	9.10	1.09	0.00	34.45
1938	0.00	0.03	0.01	0.00	4.05	7.33	4.33	7.68	7.11	4.61	15.55	0.00	50.70
1939	0.00	0.00	1.30	0.12	0.00	4.08	4.00	3.24	5.20	24.35	6.28	0.00	48.57
1940	0.00	0.00	3.58	0.14	1.60	1.55	5.28	7.55	4.24	10.32	7.34	0.16	41.76
Mean	0.03	1.01	0.49	0.51	1.83	3.69	7.04	5.25	5.44	10.17	6.34	0.21	42.00

## NAGPUR, INDIA

Lat. 21°9' N. Long. 79°7' E. H<sub>b</sub> = 1,017 ft.\*PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 14<sup>m</sup>, Indian standard time  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.995	.912	.895	.771	.661	.579	.574	.537	.678	.802	.964	.990	<b>.780</b>
1932	1.042	.917	.879	.789	.652	.576	.507	.665	.643	.833	.908	.988	<b>.783</b>
1933	.978	.879	.854	.791	.716	.559	.576	.651	.670	.820	.942	.957	<b>.783</b>
1934	.950	.900	.842	.736	.684	.594	.566	.598	.665	.872	.958	1.015	<b>.781</b>
1935	.989	.905	.851	.773	.648	.578	.527	.652	.658	.848	.963	.976	<b>.781</b>
1936	.939	.901	.882	.716	.600	.566	.575	.602	.711	.874	.961	.969	<b>.777</b>
1937	.966	.903	.831	.778	.658	.540	.516	.618	.715	.865	.929	.957	<b>.773</b>
1938	.959	.925	.793	.771	.594	.547	.548	.594	.682	.781	.953	.979	<b>.761</b>
1939	.980	.913	.854	.752	.630	.586	.544	.568	.712	.846	.922	1.071	<b>.781</b>
1940	1.003	.948	.824	.833	.649	.597	†.561	.595	.767	.897	.918	.999	<b>.799</b>
Mean	<b>.980</b>	<b>.910</b>	<b>.851</b>	<b>.774</b>	<b>.649</b>	<b>.572</b>	<b>.549</b>	<b>.608</b>	<b>.690</b>	<b>.844</b>	<b>.942</b>	<b>.990</b>	<b>.780</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft. ‡

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	70.5	77.7	81.7	92.1	97.8	92.1	81.3	79.9	81.7	78.0	72.4	67.7	<b>81.1</b>
1932	70.5	71.3	81.3	89.8	95.0	91.9	80.5	81.5	81.7	81.1	74.3	68.8	<b>80.6</b>
1933	71.0	76.7	82.3	87.7	88.4	86.0	81.9	80.5	80.5	78.7	72.6	68.6	<b>79.6</b>
1934	66.9	73.9	81.9	90.6	96.3	89.4	81.1	79.9	79.5	77.4	70.6	68.3	<b>79.7</b>
1935	68.9	73.9	81.6	86.1	97.5	90.9	79.7	80.2	80.5	80.0	73.6	70.7	<b>80.3</b>
1936	72.3	72.9	82.5	89.1	96.7	84.5	82.0	80.5	80.7	78.3	74.8	68.9	<b>80.3</b>
1937	67.5	74.0	79.2	82.0	93.3	90.4	80.5	80.1	81.1	78.3	74.0	67.8	<b>79.0</b>
1938	73.8	71.7	84.5	89.7	96.0	82.5	79.7	80.8	81.6	78.3	72.3	67.9	<b>79.9</b>
1939	71.3	75.9	79.6	89.7	97.6	88.5	80.5	80.6	80.9	80.3	72.3	68.2	<b>80.5</b>
1940	68.5	75.1	81.1	89.7	96.1	88.9	79.7	80.3	81.7	79.9	73.6	68.9	<b>80.3</b>
Mean	<b>70.1</b>	<b>74.3</b>	<b>81.6</b>	<b>88.7</b>	<b>95.5</b>	<b>88.5</b>	<b>80.7</b>	<b>80.4</b>	<b>81.0</b>	<b>79.0</b>	<b>73.1</b>	<b>68.6</b>	<b>80.1</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.44	0.03	2.18	0.39	0.48	5.70	17.84	17.59	7.42	8.02	0.34	0.04	<b>60.47</b>
1932	0.00	1.40	0.38	0.10	0.64	10.20	21.14	7.49	2.69	0.97	1.53	0.00	<b>46.54</b>
1933	0.00	2.14	1.65	1.30	3.96	6.61	21.90	17.66	14.78	4.93	0.94	0.17	<b>76.04</b>
1934	0.03	0.00	0.00	1.23	0.00	7.18	8.20	9.26	10.66	0.59	1.31	0.00	<b>38.46</b>
1935	0.24	0.07	0.02	1.38	0.02	11.33	18.73	6.41	5.92	0.68	0.00	0.14	<b>44.94</b>
1936	0.03	2.34	0.52	0.59	0.64	13.82	14.45	13.52	7.56	7.03	2.46	0.95	<b>63.91</b>
1937	0.00	1.22	3.11	5.08	0.58	9.77	21.79	10.09	9.40	5.83	0.00	0.03	<b>66.90</b>
1938	0.04	0.22	0.22	1.04	2.05	13.83	18.23	12.81	5.91	4.87	0.00	0.00	<b>59.22</b>
1939	0.07	0.00	1.90	0.25	0.00	5.67	13.35	12.62	2.78	0.30	0.00	0.00	<b>36.94</b>
1940	0.00	0.38	0.00	0.41	0.40	19.62	20.09	17.49	2.75	3.30	0.28	0.04	<b>64.76</b>
Mean	<b>0.09</b>	<b>0.78</b>	<b>1.00</b>	<b>1.18</b>	<b>0.88</b>	<b>10.37</b>	<b>17.57</b>	<b>12.49</b>	<b>6.99</b>	<b>3.65</b>	<b>0.69</b>	<b>0.14</b>	<b>55.83</b>

\* See NOTES, p. 17.

† Mean of 28 days.

‡ See NOTES, table 1, p. 19.

## NEW DELHI,\* INDIA

Lat. 28°35' N. Long. 77°12' E. H<sub>b</sub> = 714 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 21<sup>m</sup>, Indian standard time  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.313	1.272	1.196	1.028	.902	.811	.766	.776	.963	1.154	1.282	1.319	1.065
1932	1.347	1.218	1.179	1.052	.911	.764	.752	.874	.910	1.125	1.246	1.304	1.057
1933	1.332	1.212	1.163	1.060	.972	.769	.808	.889	.960	1.122	1.248	1.270	1.067
1934	1.269	1.187	1.160	.992	.926	.811	.779	.854	.936	1.157	1.245	1.338	1.054
1935	1.348	1.219	1.169	1.112	.888	.784	.764	.873	.934	1.144	1.258	1.318	1.068
1936	1.295	1.204	1.182	1.016	.845	.803	.783	.821	.977	1.164	1.284	1.273	1.053
1937	1.272	1.209	1.127	1.043	.903	.762	.760	.814	.978	1.154	1.228	1.279	1.044
1938	1.300	1.236	1.059	1.031	.830	.769	.770	.832	.939	1.084	1.259	1.277	1.032
1939	1.302	1.237	1.165	1.026	.857	.781	.737	.813	.934	1.138	1.222	1.389	1.050
1940	1.311	1.267	1.116	1.112	.902	.813	.771	.835	1.003	1.188	1.235	1.344	1.075
Mean	1.309	1.226	1.152	1.047	.894	.787	.769	.838	.953	1.143	1.251	1.311	1.057

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	59.8	59.3	70.2	85.5	91.5	95.1	89.1	86.6	83.5	77.5	66.4	59.9	77.0
1932	60.0	60.3	74.5	83.7	89.3	96.1	89.1	84.4	83.7	78.7	67.2	58.5	*77.1
1933	54.1	62.9	72.3	80.7	85.7	90.3	85.0	82.5	81.9	76.6	66.6	60.5	74.9
1934	55.1	64.4	70.3	82.8	89.9	91.0	87.3	83.5	85.6	77.7	67.9	60.9	76.3
1935	54.9	62.9	71.8	78.1	92.3	95.3	86.9	85.1	83.7	78.1	69.1	59.5	76.5
1936	55.7	63.1	71.2	82.9	94.9	88.2	86.1	84.8	83.4	78.3	67.9	59.5	76.3
1937	56.2	62.2	69.3	79.7	90.9	93.1	86.8	89.3	85.3	77.4	67.5	57.7	76.3
1938	56.5	59.8	74.7	85.2	95.1	90.8	89.0	88.2	87.8	80.9	65.7	58.5	*77.7
1939	58.9	62.8	67.9	81.3	94.9	89.7	88.2	89.0	85.9	80.5	67.3	59.9	77.2
1940	57.8	61.5	69.6	81.5	93.7	95.1	89.4	84.0	84.5	78.3	69.3	58.5	76.9
Mean	56.9	61.9	71.2	82.1	91.8	92.5	87.7	85.7	84.5	78.4	67.5	59.3	76.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.18	0.90	0.34	0.25	0.26	0.09	10.12	4.13	5.64	2.26	0.00	0.00	24.17
1932	0.00	0.06	0.72	0.36	0.20	0.34	3.08	3.45	12.91	0.00	0.00	0.00	*21.12
1933	0.06	0.66	0.26	0.02	2.11	15.67	5.12	21.71	13.46	1.28	0.00	0.01	60.36
1934	1.30	0.00	2.40	0.00	0.14	2.51	13.13	10.25	0.05	0.00	0.00	0.41	30.19
1935	1.28	1.61	0.26	0.45	0.00	2.93	6.36	4.82	9.65	0.22	0.15	0.37	23.10
1936	0.11	0.85	0.49	0.00	0.02	16.33	6.80	7.24	7.23	0.04	0.05	2.68	41.84
1937	0.00	3.39	0.02	0.74	0.14	1.87	7.78	0.59	6.68	0.00	0.00	0.18	21.39
1938	2.54	0.11	0.60	0.07	0.05	1.85	4.50	1.28	1.56	0.11	0.00	0.00	*12.67
1939	0.00	1.32	0.40	0.00	0.02	4.37	2.94	4.87	3.74	0.00	0.00	0.00	17.66
1940	1.84	1.78	0.06	0.00	0.01	0.48	8.51	8.65	0.35	0.00	0.00	0.03	21.71
Mean	0.73	1.07	0.56	0.19	0.30	4.64	6.83	6.70	6.13	0.39	0.02	0.37	27.92

\* See NOTES, p. 17.

## PATNA, INDIA

Lat. 25°37' N. Long. 85°10' E.

TOTAL PRECIPITATION IN INCHES. H = 173 ft., h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	2.18	0.33	0.00	0.30	0.51	19.08	6.79	7.51	1.67	0.46	0.00	<b>38.83</b>
1932	0.00	0.39	0.00	0.01	0.05	3.03	4.95	6.40	12.38	1.20	2.50	0.40	<b>31.31</b>
1933	0.35	0.48	0.08	1.31	3.65	7.01	8.29	20.60	7.22	1.21	0.00	0.00	<b>50.20</b>
1934	1.37	0.09	0.19	0.00	0.34	3.32	13.34	5.73	8.11	3.17	0.35	0.00	<b>36.01</b>
1935	1.55	0.78	0.00	0.00	0.00	2.74	11.01	14.73	6.00	0.00	0.00	0.00	<b>36.31</b>
1936	0.54	0.26	0.33	0.00	1.90	8.69	16.26	18.10	15.56	2.15	0.00	0.67	<b>64.46</b>
1937	0.00	3.60	0.00	0.09	1.54	0.78	4.52	20.69	7.42	11.39	0.03	0.00	<b>50.06</b>
1938	0.75	0.44	0.00	0.06	1.00	14.73	7.91	17.22	14.67	0.10	0.00	0.00	<b>56.88</b>
1939	0.09	3.27	0.22	0.07	0.02	9.49	11.50	17.53	10.39	0.96	0.00	0.00	<b>53.54</b>
1940	0.03	1.52	1.42	0.10	2.16	4.29	11.59	13.73	10.65	0.00	0.00	0.66	<b>46.15</b>
Mean	0.47	1.30	0.26	0.16	1.10	5.46	10.85	14.15	9.99	2.19	0.33	0.17	<b>46.43</b>



## PESHAWAR, INDIA

Lat. 34°1' N. Long. 71°35' E. H = 1,164 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 44<sup>m</sup>, Indian standard time  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.876	.848	.784	.650	.510	*.390	.307	.317	.511	.725	.846	.883	.637
1932	†.915	.798	.772	.639	.533	.312	.286	.410	.470	.706	.813	.866	.627
1933	.905	.802	.754	.680	.525	.313	.312	.446	.542	.696	.824	.824	.635
1934	.835	.758	.764	.615	.560	.350	.283	.401	.492	.729	.822	.899	.626
1935	.896	.803	.760	.678	.495	.353	.290	.403	.484	.709	.831	.881	.632
1936	.853	.755	.771	.624	.413	.348	.303	.362	.524	.730	.856	.859	.617
1937	.860	.795	.720	.632	.493	.294	.316	.318	.545	.738	.813	.840	.614
1938	.878	.816	.670	.641	.388	.327	.299	.371	.507	.673	.841	.864	.606
1939	.899	.824	.756	.651	.469	.325	.268	.366	.482	.710	.799	.900	.625
1940	.881	.826	.697	.721	.479	.355	.301	.404	.549	.763	.806	.918	.642
Mean	.880	.803	.745	.653	.487	.337	.297	.380	.511	.718	.825	.879	.626

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.  
Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	53.0	50.7	64.7	77.4	82.4	90.3	90.3	92.7	85.7	76.3	64.5	56.5	73.7
1932	56.2	56.3	65.4	77.3	82.1	94.3	91.5	88.1	85.9	75.3	65.0	54.3	74.3
1933	50.2	57.1	63.7	70.3	83.3	91.7	92.8	85.7	83.5	75.2	65.3	57.4	73.0
1934	48.2	61.7	63.3	74.2	80.4	92.1	92.7	87.7	84.9	73.8	63.3	55.9	73.1
1935	48.2	56.3	64.7	67.1	83.4	89.8	90.1	85.0	82.8	71.5	63.2	52.5	71.2
1936	49.4	56.2	60.5	70.6	87.7	90.9	91.7	88.3	84.5	74.9	61.9	51.9	72.4
1937	49.3	55.1	60.1	70.7	84.5	93.1	88.7	90.7	83.3	71.3	61.7	52.7	71.8
1938	49.3	51.9	62.1	73.0	90.2	89.1	90.8	89.6	83.0	74.0	60.3	54.0	72.3
1939	52.4	53.3	56.6	68.6	83.7	91.9	91.4	89.1	85.5	74.4	63.5	55.1	72.1
1940	51.9	56.0	60.9	70.5	85.1	91.6	92.5	86.3	82.7	75.5	64.5	54.9	72.7
Mean	50.8	55.5	62.2	72.0	84.3	91.5	91.3	88.3	84.2	74.2	63.3	54.5	72.7

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.42	1.02	0.87	0.31	2.33	0.07	0.38	0.17	0.34	1.95	0.11	0.25	10.22
1932	2.76	0.95	4.76	0.25	1.17	0.41	3.97	2.81	0.26	0.00	0.00	0.49	17.83
1933	0.81	2.01	2.73	1.04	0.30	0.42	0.53	4.93	1.19	0.07	0.00	0.00	14.03
1934	0.30	0.15	5.57	1.64	0.81	0.01	0.02	0.16	0.72	0.00	0.05	0.39	9.82
1935	3.20	2.27	1.39	4.68	0.56	0.12	0.78	4.95	0.05	0.39	0.14	0.00	18.53
1936	0.68	5.11	3.06	2.27	0.25	0.32	0.03	1.25	0.35	0.12	2.00	0.97	16.41
1937	0.61	2.39	2.21	3.37	0.06	0.00	1.68	0.00	0.39	0.36	0.00	1.22	12.29
1938	1.03	0.50	2.61	0.61	0.22	0.72	0.49	2.15	0.68	0.00	0.08	0.92	9.41
1939	0.48	3.41	7.76	0.66	0.23	0.00	0.59	0.51	0.02	0.58	0.00	0.11	14.35
1940	2.68	1.38	3.18	1.00	0.06	0.82	0.47	0.23	0.17	0.00	0.04	0.01	10.04
Mean	1.50	1.92	3.41	1.58	0.60	0.29	0.89	1.72	0.36	0.35	0.24	0.44	13.30

\* Mean of 29 days.

† Mean of 30 days.

## PORT BLAIR,\* INDIA

Lat. 11°40' N. Long. 92°43' E. H<sub>0</sub> = 59 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 7<sup>h</sup> 19<sup>m</sup>, Indian standard time  
29 inches+

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.852	.841	.842	.801	.725	.681	.724	.669	.733	.782	.841	.838	.777
1932	.921	.863	.837	.794	.718	.665	.653	.730	.724	†.768	.792	.849	.776
1933	.838	.821	.800	.791	.721	.691	.684	.733	.727	.758	.791	.823	.765
1934	.817	.830	.790	.766	.742	.702	.671	.720	.735	.793	.815	.878	.772
1935	.885	.840	.806	.764	.702	.699	.671	.734	.739	.758	.826	.848	.773
1936	.851	.855	.836	.755	.695	.710	.684	.705	.743	.811	.839	.814	.775
1937	.845	.839	.784	.747	.725	.665	.662	.692	.755	.805	.790	.800	.759
1938	.868	.837	.782	.766	.674	.667	.675	.700	.712	.770	.795	.814	.755
1939	.858	.863	.805	.781	.716	.699	.692	.681	.761	.795	.790	.905	.779
1940	.891	.890	.836	.827	.714	.700	.721	.729	.785	.840	.811	.876	.802
Mean	.863	.848	.812	.779	.713	.688	.684	.709	.741	.788	.809	.845	.773

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft. ‡

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	80.3	80.7	82.8	86.4	84.3	82.0	81.5	81.3	81.2	80.9	81.9	80.3	82.0
1932	79.9	79.4	82.8	84.1	84.3	81.0	81.5	82.9	79.9	81.3	80.9	79.5	81.5
1933	81.0	80.1	83.3	84.9	84.3	81.3	81.2	82.1	80.4	80.7	81.4	80.2	81.7
1934	80.9	80.2	82.6	84.1	83.7	81.2	82.3	80.5	80.7	81.6	80.4	78.5	81.4
1935	78.5	79.3	83.0	84.5	82.5	81.1	81.3	80.5	79.7	81.6	80.0	79.6	81.0
1936	78.8	79.1	81.5	84.1	84.1	80.9	80.6	80.5	81.5	81.9	81.7	81.6	81.4
1937	79.6	80.9	82.1	85.3	82.9	81.0	80.7	81.3	81.5	81.5	82.1	79.7	81.5
1938	80.7	80.5	82.1	84.9	82.9	81.4	81.3	81.3	80.7	81.4	80.1	80.4	81.5
1939	80.4	80.2	82.5	85.2	83.1	80.9	81.4	81.6	81.2	81.5	82.0	80.0	81.7
1940	77.3	79.8	81.8	84.4	83.5	81.7	81.4	80.2	80.4	81.1	81.2	79.7	81.0
Mean	79.7	80.0	82.5	84.8	83.6	81.3	81.3	81.2	80.7	81.4	81.2	80.0	81.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.04	0.00	0.00	0.08	7.07	16.49	10.97	22.54	12.46	14.41	0.95	7.24	93.25
1932	1.10	0.05	0.36	1.98	18.91	25.13	11.95	2.87	33.20	11.60	11.03	4.80	123.01
1933	0.18	0.46	0.32	2.30	14.39	21.42	14.82	11.58	29.89	9.44	10.58	2.23	117.61
1934	0.29	6.81	0.27	5.17	2.44	27.89	12.74	36.41	29.95	13.31	9.46	1.81	146.55
1935	0.26	0.00	0.02	5.26	28.61	14.73	14.52	16.20	22.79	7.18	10.84	3.75	124.16
1936	0.65	0.60	4.59	4.38	7.64	19.62	26.18	22.16	15.10	6.89	7.84	8.35	124.00
1937	0.85	0.42	0.00	4.41	13.01	28.85	17.70	13.07	13.75	15.08	9.91	24.31	141.36
1938	0.53	2.25	1.99	4.00	14.52	26.32	12.51	15.63	21.53	12.53	12.45	4.23	123.49
1939	1.18	0.08	0.64	2.65	20.15	22.13	13.97	8.04	19.53	10.21	6.78	3.80	109.16
1940	0.04	0.90	1.56	0.00	14.24	13.47	9.39	30.88	16.21	4.21	8.63	12.54	112.37
Mean	0.61	1.16	1.01	3.02	14.10	21.61	14.48	17.94	21.44	10.49	8.85	7.31	122.00

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.9	12.6	12.6	11.2	8.6	7.1	8.6	6.7	8.9	10.6	12.6	12.5	10.4
1932	15.3	13.3	12.4	11.0	8.4	6.6	6.2	8.8	8.6	10.1	10.9	12.8	10.4
1933	12.4	11.9	11.2	10.8	8.5	7.5	7.3	8.9	8.7	9.8	10.8	12.0	10.0
1934	11.5	12.2	10.8	10.0	9.2	7.9	6.8	8.5	9.0	10.9	11.7	13.8	10.2
1935	14.1	12.5	11.4	9.9	7.8	7.8	6.8	8.9	9.1	9.7	12.0	12.8	10.2
1936	12.9	13.0	12.4	9.7	7.6	8.1	7.3	8.0	11.2	11.6	12.5	11.7	10.3
1937	12.7	12.5	10.6	9.1	8.6	6.6	6.5	7.5	9.7	11.3	10.8	11.2	9.8
1938	13.5	12.4	10.6	10.0	6.9	6.7	6.9	7.8	8.2	10.2	11.0	11.7	9.7
1939	13.2	13.4	11.4	10.5	8.3	7.7	7.4	7.0	9.9	11.0	10.8	14.8	10.4
1940	14.4	14.3	12.4	12.0	8.2	7.7	8.4	8.7	10.7	12.6	11.6	13.8	11.2
Mean	13.3	12.8	11.6	10.5	8.2	7.4	7.2	8.1	9.2	10.8	11.5	12.7	10.3

\* See NOTES, p. 18.

† Mean of 30 days.

‡ See NOTES, table 1, p. 19.

QUETTA, INDIA

Lat. 30°10' N. Long. 67°1' E. H<sub>b</sub> = 5,490 ft.\*

PRESSURE AT STATION LEVEL: COR. TO. 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of 8<sup>h</sup> 2<sup>m</sup>,\* Indian standard time  
24 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.638	.598	†.652	.599	.529	.481	.379	.390	.544	.671	.729	.692	.575
1932	.715	‡.600	.626	.602	.547	.423	.349	.448	.525	.669	.707	.705	.576
1933	.657	.592	.594	.558	.530	.406	.385	.436	.529	.649	.699	.645	.557
1934	.609	.642	.574	.569	.548	.424	.361	.418	.544	.690	.720	.655	.565
1935	.626	.601	.639	.564	‡.547	...	...	...	...	...	...	.685	...
1936	.652	.557	.646	.590	.517	.437	.396	.439	.542	.704	...	.650	\$570
1937	.657	.579	.593	.589	.562	.430	.383	.412	.583	.696	.701	.662	.571
1938	.641	.610	.556	.608	.503	.393	.400	.432	.552	.547	.726	.671	.553
1939	.659	.578	.581	.579	.540	.416	.339	.389	.513	.634	.665	.726	.552
1940	.608	.601	.506	.594	.516	.406	.350	.407	.534	.681	.682	.681	.547
Mean	.646	.596	.597	.585	.534	.424	.371	.419	.541	.660	.704	.680	‡.563

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.\*  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	40.9	36.3	50.4	61.8	66.3	72.6	78.6	80.5	67.0	57.6	49.3	40.6	58.5
1932	43.5	42.0	52.4	61.8	66.7	75.4	79.8	76.0	67.6	55.2	47.6	37.7	58.8
1933	36.7	41.3	49.1	58.0	68.1	77.3	80.3	78.3	68.0	56.6	49.6	44.9	59.0
1934	27.1	47.7	48.9	60.8	65.7	77.3	81.8	80.2	66.4	55.2	48.1	45.3	58.7
1935	34.7	42.9	52.0	54.8	†65.3	...	...	...	...	...	...	39.9	...
1936	...	43.3	46.9	59.8	71.9	78.4	80.5	74.9	73.2	59.5	46.2	40.5	\$59.4
1937	36.3	42.8	46.6	56.7	69.1	75.5	80.6	75.9	66.6	54.9	47.7	37.1	57.5
1938	36.7	42.3	52.9	61.0	71.9	75.7	76.8	76.9	66.1	57.6	43.9	41.4	58.6
1939	40.3	42.1	46.2	54.4	64.8	76.7	78.1	76.6	67.7	57.8	50.0	45.0	58.3
1940	41.9	44.0	46.5	57.7	68.7	75.5	80.1	73.5	66.9	59.5	49.7	40.6	58.7
Mean	37.6	42.5	49.2	58.7	67.9	76.0	79.6	77.0	67.7	57.1	48.0	41.3	‡58.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.22	5.03	1.89	1.03	0.46	0.03	0.05	0.00	0.00	0.00	0.04	0.29	11.04
1932	0.41	0.64	1.23	0.29	0.38	0.00	2.06	0.71	0.00	0.00	0.00	0.42	6.14
1933	1.63	1.54	1.35	1.17	0.87	0.00	2.50	0.56	0.00	0.00	0.07	0.27	9.96
1934	0.84	0.12	1.08	0.33	0.16	2.66	0.00	0.02	0.00	0.00	0.00	3.70	8.91
1935	1.64	4.10	0.62	2.72	†0.49	...	...	...	...	...	...	0.16	...
1936	1.97	3.43	0.70	0.19	1.21	0.12	0.01	0.00	0.00	0.00	0.00	4.44	12.07
1937	1.47	3.54	1.46	0.46	0.41	0.00	1.57	0.00	0.00	0.00	0.06	0.14	9.11
1938	5.06	1.33	1.17	1.12	0.00	0.01	0.83	0.09	0.00	0.00	0.30	0.43	10.34
1939	1.56	6.07	3.66	0.66	0.47	0.57	0.05	0.00	0.00	0.01	0.00	0.95	14.00
1940	3.60	2.69	1.75	0.52	0.22	0.32	0.13	0.00	0.14	0.00	0.10	0.37	9.84
Mean	2.04	2.85	1.49	0.85	0.47	0.41	0.80	0.15	0.02	0.00	0.06	1.12	‡10.28

\* See NOTES, p. 18.

† Mean of 30 days.

‡ Mean of 28 days.

§ Normal value used for missing month.

¶ Mean of 12 monthly means.

|| Sum of 12 monthly means.

## SHILLONG, INDIA

Lat. 25°34' N. Long. 91°53' E. H<sub>0</sub> = 4,920 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 7<sup>h</sup> 22<sup>m</sup>, Indian standard time  
24 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.177	1.136	1.150	1.087	1.034	.958	.935	.934	1.071	1.171	1.187	1.178	<b>1.085</b>
1932	1.217	1.109	1.139	†1.099	1.030	.923	.902	1.005	1.005	1.153	1.183	1.176	<b>1.078</b>
1933	1.146	1.114	1.117	1.080	1.052	.925	.958	1.060	1.059	1.140	1.168	1.141	<b>1.090</b>
1934	1.108	1.092	1.078	1.051	1.023	.976	.922	.997	1.038	1.160	1.152	1.195	<b>1.066</b>
1935	1.174	1.112	1.127	1.070	1.019	.949	.935	1.004	1.032	1.143	1.186	1.173	<b>1.077</b>
1936	1.128	1.103	1.124	1.035	1.015	.968	.935	.960	1.069	1.176	1.202	1.149	<b>1.072</b>
1937	1.124	1.130	1.063	1.101	1.050	.946	.908	.935	1.081	1.164	1.153	1.138	<b>1.066</b>
1938	1.170	1.118	1.031	1.090	.983	.938	.940	.975	1.034	1.119	1.172	1.151	<b>1.060</b>
1939	1.177	1.146	1.100	1.039	1.011	.932	.881	.952	1.045	1.164	1.152	1.254	<b>1.071</b>
1940	1.184	1.160	1.078	1.120	1.024	.956	.944	.976	1.069	1.216	1.188	1.206	<b>1.093</b>
Mean	<b>1.161</b>	<b>1.122</b>	<b>1.101</b>	<b>1.077</b>	<b>1.024</b>	<b>.947</b>	<b>.926</b>	<b>.980</b>	<b>1.050</b>	<b>1.161</b>	<b>1.174</b>	<b>1.176</b>	<b>1.075</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	51.1	54.1	59.8	67.2	66.3	68.9	69.9	71.1	67.5	64.8	55.0	51.3	<b>62.3</b>
1932	49.5	49.9	61.5	66.3	68.4	69.5	69.9	69.1	70.1	63.8	58.4	50.9	<b>62.3</b>
1933	48.7	52.7	62.5	63.9	63.5	69.3	70.1	69.3	67.9	63.6	55.3	49.9	<b>61.6</b>
1934	48.6	52.3	60.6	63.5	66.5	67.5	70.0	69.8	69.3	62.1	53.6	49.1	<b>61.4</b>
1935	47.9	52.2	61.8	65.9	68.7	68.5	70.5	68.5	68.2	62.4	55.9	49.8	<b>61.7</b>
1936	46.5	51.7	61.5	66.5	66.1	69.5	70.0	*70.1	67.4	61.8	56.7	50.1	<b>61.5</b>
1937	46.7	52.3	60.7	66.3	64.9	69.1	71.3	69.9	68.5	62.9	53.5	51.5	<b>61.5</b>
1938	50.7	51.2	64.1	69.2	66.1	69.7	69.6	69.4	68.7	64.2	54.3	51.4	<b>62.4</b>
1939	49.5	53.8	60.3	69.8	66.7	68.7	69.7	70.1	68.0	62.9	56.6	50.9	<b>62.3</b>
1940	47.9	51.7	55.9	67.7	66.7	68.8	69.8	69.3	67.1	62.8	56.3	51.7	<b>61.3</b>
Mean	<b>48.7</b>	<b>52.2</b>	<b>60.8</b>	<b>66.8</b>	<b>66.6</b>	<b>69.0</b>	<b>70.1</b>	<b>69.7</b>	<b>68.3</b>	<b>63.1</b>	<b>55.6</b>	<b>50.7</b>	<b>61.8</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.03	0.47	1.16	3.36	9.45	44.37	16.31	7.19	11.82	5.98	0.74	0.41	<b>101.29</b>
1932	0.17	0.74	1.54	13.76	16.29	13.53	13.42	13.04	8.50	1.32	3.63	0.71	<b>86.65</b>
1933	0.10	0.32	0.23	5.09	8.21	12.41	12.44	16.89	8.76	4.48	0.36	0.88	<b>70.17</b>
1934	0.36	3.66	0.34	5.25	10.68	49.86	16.03	12.79	11.30	14.61	0.78	0.23	<b>125.89</b>
1935	0.15	2.03	0.97	2.12	8.28	15.11	7.39	24.05	9.00	2.71	0.83	0.00	<b>72.64</b>
1936	0.08	1.07	2.70	4.27	37.82	6.29	19.60	6.97	9.93	13.17	0.63	0.09	<b>102.62</b>
1937	0.00	1.24	0.10	3.13	17.16	13.89	10.38	15.32	5.89	7.55	0.56	0.04	<b>75.56</b>
1938	1.06	0.16	0.59	4.79	13.05	19.21	14.56	19.12	15.67	2.22	4.08	0.05	<b>94.56</b>
1939	0.08	0.52	0.82	0.00	12.99	23.10	14.19	7.25	17.11	10.23	0.15	0.65	<b>87.09</b>
1940	0.00	2.11	5.12	0.97	13.53	12.37	14.25	13.88	17.24	9.76	0.27	0.06	<b>89.56</b>
Mean	<b>0.20</b>	<b>1.23</b>	<b>1.36</b>	<b>4.27</b>	<b>14.78</b>	<b>21.01</b>	<b>13.86</b>	<b>13.65</b>	<b>11.52</b>	<b>7.20</b>	<b>1.20</b>	<b>0.31</b>	<b>90.60</b>

\* See NOTES, p. 18.

† Mean of 29 days.

## SIMLA, INDIA

Lat. 31°6' N. Long. 77°10' E. H<sub>b</sub> = 7,232 ft.

PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of 8<sup>h</sup> 21<sup>m</sup>, Indian standard time

22 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.140	1.031	1.094	1.093	1.040	.991	.926	.945	1.050	1.155	1.156	1.131	1.063
1932	1.160	1.018	1.101	1.090	1.041	.960	.930	.990	1.015	1.136	1.147	1.112	1.058
1933	1.076	1.061	1.084	1.064	1.052	.958	.957	1.011	1.053	1.121	1.146	1.102	1.057
1934	1.030	1.060	1.070	1.059	1.050	.990	.935	.988	1.049	1.157	1.131	1.139	1.055
1935	1.074	1.054	1.098	1.053	1.034	.981	.935	.991	1.028	1.135	1.149	1.106	1.053
1936	1.048	1.030	1.089	1.049	1.032	.963	.938	.961	1.066	1.170	1.173	1.077	1.050
1937	1.058	1.047	1.031	1.077	1.047	.960	.931	.954	1.073	1.181	1.118	1.079	1.044
1938	1.083	1.025	1.020	1.103	1.011	.949	.944	.990	1.059	1.118	1.139	1.122	1.047
1939	1.122	1.075	1.042	1.040	1.028	.950	.907	.980	1.050	1.155	1.132	1.208	1.057
1940	1.119	1.090	1.040	1.143	1.074	1.023	.973	1.010	1.099	1.223	1.174	1.159	1.094
Mean	1.091	1.049	1.067	1.077	1.041	.973	.938	.982	1.054	1.155	1.147	1.124	1.058

TEMPERATURE IN DEGREES F. h<sub>r</sub> = 4 $\frac{1}{4}$  ft.\*Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.3	37.6	50.0	61.8	64.7	69.3	65.0	64.5	60.2	56.6	51.1	46.8	56.1
1932	46.6	41.2	51.9	59.8	63.5	70.6	64.9	62.4	60.9	57.8	52.9	45.8	56.5
1933	40.3	43.2	50.4	54.2	60.7	67.7	63.6	62.0	59.6	56.0	50.8	47.4	54.7
1934	36.5	48.8	49.2	60.1	63.5	67.1	64.3	62.1	63.1	58.0	51.3	43.3	55.6
1935	37.1	42.8	50.8	52.2	66.9	70.8	65.0	62.4	60.6	56.8	50.7	43.4	55.0
1936	39.7	41.4	50.4	58.2	68.5	64.1	64.0	63.2	60.4	56.8	51.5	41.8	55.0
1937	41.3	41.8	48.6	56.2	65.1	68.5	64.0	63.7	61.0	55.9	48.7	44.0	54.9
1938	40.8	39.8	52.6	60.8	69.2	65.7	65.2	63.2	63.7	58.6	47.7	49.1	56.4
1939	43.6	42.6	45.8	56.3	68.5	64.9	64.2	63.6	60.5	58.0	52.5	38.2	55.7
1940	42.7	41.4	45.4	55.5	66.4	66.5	64.8	62.4	59.7	57.8	52.1	43.4	54.8
Mean	41.4	42.1	49.5	57.5	65.7	67.5	64.5	63.0	61.0	57.2	50.9	45.3	55.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 $\frac{3}{4}$  ft.\*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.22	3.17	2.26	0.57	3.67	1.22	6.71	7.53	10.55	3.11	0.04	0.03	39.08
1932	0.20	0.93	1.36	0.98	1.43	4.79	9.51	28.48	12.20	0.14	0.14	2.02	62.18
1933	0.88	3.52	2.17	2.97	5.73	5.76	14.40	12.26	11.54	2.34	0.15	0.10	61.82
1934	4.08	0.35	1.11	0.78	1.85	10.02	19.75	15.89	1.49	0.00	0.00	2.60	57.92
1935	3.51	3.08	1.40	2.24	0.18	1.98	11.06	16.26	6.96	0.45	1.17	1.30	49.59
1936	0.14	2.46	1.51	2.45	4.51	13.48	20.01	8.91	5.11	0.38	0.09	3.22	62.27
1937	1.20	4.23	0.82	2.42	1.75	7.03	11.68	15.45	12.37	0.97	0.08	2.15	60.15
1938	4.56	3.00	0.70	1.82	0.91	8.79	15.21	15.07	1.60	0.91	0.65	0.07	53.29
1939	1.11	2.51	2.99	1.36	0.24	10.87	20.20	4.72	7.27	0.38	0.00	0.00	51.65
1940	1.00	2.40	2.28	2.95	1.43	6.29	15.89	13.25	5.48	0.50	0.01	0.80	52.28
Mean	1.69	2.57	1.66	1.85	2.17	7.02	14.44	13.78	7.46	0.92	0.23	1.23	55.02

\* See NOTES, p. 20.

## WALTAIR (VIZAGAPATAM), INDIA

Lat. 17°42' N. Long. 83°18' E.  $H_b = 38$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 7<sup>h</sup> 57<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.900	.949	.889	.789	.670	.545	.586	.532	.653	.761	.933	.949	.771
1932	1.037	.907	.870	.784	.668	*.550	.497	.659	.625	.792	.842	.976	.767
1933	.972	.896	.857	.787	.700	.534	.558	.648	.660	.767	.892	.928	.767
1934	.930	.889	.827	.740	.672	.577	.535	.581	.640	.810	.910	.991	.759
1935	.990	.900	.843	.767	.619	.562	.503	.643	.628	.794	.918	.959	.761
1936	.931	.896	.872	.737	.612	.556	.536	.564	.690	.826	.922	.935	.756
1937	.951	.899	.821	.769	.660	.535	.504	.581	.689	.821	.881	.925	.753
1938	.963	.895	.779	.758	.572	.526	.546	.581	.632	.739	.893	.940	.735
1939	.968	.925	.830	.754	.609	.550	.518	.542	.674	.797	.854	1.024	.754
1940	.994	.949	.827	.821	.628	.564	.546	.573	.727	.857	.862	.987	.778
Mean	.973	.911	.842	.771	.641	.550	.533	.590	.662	.796	.891	.961	.760

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	72.8	75.7	80.1	84.9	86.7	87.2	82.8	84.9	83.3	81.3	77.1	75.4	81.0
1932	72.3	75.9	78.4	83.1	85.1	†86.6	83.1	83.5	84.1	82.7	79.2	73.8	80.7
1933	73.5	76.6	79.3	83.9	85.1	85.2	84.2	82.7	83.4	81.5	77.9	74.1	80.6
1934	72.7	75.9	79.8	84.2	87.3	86.2	82.9	82.9	83.4	81.0	75.7	73.4	80.4
1935	72.9	76.1	79.9	83.7	87.5	85.9	84.3	84.1	83.5	82.8	77.0	74.5	81.0
1936	76.0	76.1	80.1	84.0	86.1	84.1	84.6	83.1	83.3	81.7	79.3	75.2	81.1
1937	73.3	77.1	80.5	82.1	86.5	87.1	84.1	84.1	83.7	81.1	78.5	72.7	80.9
1938	74.8	77.3	81.6	84.1	87.9	84.1	82.7	84.1	82.7	81.8	76.1	72.0	80.8
1939	72.6	75.0	79.3	84.1	87.1	87.9	83.9	84.7	84.6	81.6	77.5	73.9	81.0
1940	70.7	76.8	80.3	83.9	87.5	85.6	83.5	83.5	83.7	81.9	80.0	75.3	80.9
Mean	73.2	76.3	79.9	83.8	86.7	86.0	83.6	83.8	83.6	81.7	77.8	74.0	80.8

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.06	0.00	0.12	1.22	1.74	3.69	4.11	1.35	5.68	14.21	15.17	0.11	47.46
1932	0.00	1.57	0.00	0.25	1.24	1.24	5.84	1.32	3.66	4.40	15.21	0.11	34.84
1933	0.15	0.00	0.42	0.05	1.41	1.91	4.77	2.29	5.50	10.37	2.44	0.24	29.55
1934	0.00	0.00	0.01	0.08	0.33	2.99	8.26	6.27	5.67	5.40	4.10	0.51	33.65
1935	0.02	0.00	0.00	0.06	0.77	3.06	2.48	1.26	2.80	7.29	0.89	0.00	18.63
1936	1.00	3.69	0.17	0.23	3.89	3.39	3.27	5.21	2.69	12.27	1.09	2.78	39.68
1937	0.00	3.13	0.41	2.22	2.13	2.06	1.57	5.29	2.90	9.22	0.00	0.00	28.93
1938	0.00	2.07	0.00	0.00	1.24	7.98	3.87	4.66	12.32	6.68	12.10	0.00	50.92
1939	0.03	0.00	2.68	0.01	0.15	1.89	5.15	1.84	2.72	14.59	3.52	0.33	32.91
1940	0.00	0.38	1.45	0.00	9.19	2.36	3.74	4.50	4.35	5.96	1.95	0.71	34.59
Mean	0.13	1.06	0.53	0.41	2.21	3.06	4.31	3.40	4.83	9.04	5.65	0.48	35.12

\* Mean of 29 days.

† Mean of 28 days.

BUSHIRE, IRAN

Lat. 28°59' N. Long. 50°49' E. H<sub>b</sub> = 14 ft.

PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of 4<sup>h</sup>, G.M.T.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.047	1.028	.995	.867	.764	.591	.420	.422	.654	.872	1.003	*1.104	.814
1932	1.129	1.069	.957	.881	.758	.568	.409	.555	.609	.862	1.001	1.113	.826
1933	1.093	.952	.911	.835	.674	.513	.421	.472	.638	.826	.980	1.026	.778
1934	1.100	1.016	.916	.838	.771	.510	.411	.473	.671	.902	1.009	1.092	.803
1935	1.073	.964	.908	.832	.745	.532	.403	.493	.626	.859	.985	1.037	.788
1936	1.084	.911	.931	.820	.668	.505	.416	.486	.644	.914	.994	1.039	.784
1937	1.113	.980	.927	.848	.727	.502	.387	.460	.633	.881	.991	1.073	.793
1938	1.027	1.014	.922	.820	.664	.462	.415	.444	.652	.828	.993	.990	.769
1939	1.046	.941	.864	.834	.671	.479	.354	.410	.634	.860	.988	1.114	.766
1940	1.008	.990	.997	.871	.706	.518	.421	.480	.687	...	.931	1.124	...
Mean	1.072	.987	.933	.845	.715	.518	.406	.470	.650	.867	.988	1.064	.793

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½ (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.8	59.7	67.3	74.7	81.8	87.0	89.6	89.9	†88.3	*77.5	†70.5	†59.7	75.6
1932	60.7	58.7	67.9	73.1	80.9	85.7	88.5	89.1	85.3	79.2	71.7	57.1	74.8
1933	56.5	60.3	65.3	71.7	81.4	82.4	87.7	90.3	84.9	79.7	69.5	62.1	74.3
1934	55.0	61.3	65.3	76.3	78.9	...	88.3	89.1	85.8	79.3	70.7	...	†75.0
1935	...	60.5	68.7	72.3	81.3	87.3	89.7	91.3	88.8	81.8	72.0	64.1	†78.0
1936	56.5	61.4	65.6	...	...	83.5	89.3	92.0	85.5	77.5	71.7	59.5	†74.3
1937	54.1	59.2	65.3	74.1	84.3	85.9	89.6	90.9	87.8	81.6	72.0	62.1	75.6
1938	60.0	60.3	61.6	73.5	81.3	84.5	90.7	92.1	90.0	77.2	71.5	62.6	75.4
1939	60.1	59.3	64.4	70.6	82.8	85.8	88.9	89.3	85.3	80.7	71.9	62.7	75.1
1940	60.2	63.3	62.5	77.1	83.5	86.1	88.5	91.7	87.5	81.9	71.3	63.2	76.4
Mean	58.2	60.4	65.4	73.7	81.8	85.4	89.1	90.6	86.9	79.6	71.3	61.5	75.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.35	3.45	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.08	7.10
1932	0.43	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	4.28	5.20
1933	1.50	2.14	1.33	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.08	5.53
1934	1.83	0.89	1.50	0.22	0.00	0.00	0.00	0.00	0.00	0.00	1.79	6.28	12.51
1935	0.77	2.94	0.17	0.00	0.18	0.00	0.00	0.00	0.00	0.00	2.43	8.20	14.69
1936	3.14	1.38	1.25	0.05	0.00	0.00	0.00	0.00	0.00	0.00	2.25	1.53	9.60
1937	0.64	3.17	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	0.00	7.29
1938	2.73	1.54	0.36	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.04	8.43	13.30
1939	0.80	1.35	1.62	1.39	0.00	0.00	0.00	0.00	0.00	0.00	7.30	3.64	16.10
1940	2.49	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.40	1.35	9.65
Mean	1.77	1.83	0.74	0.22	0.02	0.00	0.00	0.00	0.00	0.00	2.15	3.39	10.10

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.1	17.5	16.3	12.0	8.5	2.6	§96.8	§96.9	4.7	12.2	16.6	†20.0	10.2
1932	20.9	18.8	15.0	12.4	8.3	1.8	§96.4	1.4	3.3	11.8	16.5	20.3	10.6
1933	19.6	14.9	13.5	10.9	5.5	0.0	§96.6	§98.6	4.2	10.6	15.8	17.4	9.0
1934	19.9	17.0	13.7	10.9	8.7	§99.9	§96.5	§98.6	5.4	13.1	16.8	17.2	9.8
1935	18.9	15.2	13.3	10.8	7.8	0.6	§96.2	§99.3	3.8	11.7	16.0	17.7	9.3
1936	19.3	13.4	14.2	10.4	5.2	§99.7	§96.7	§99.0	4.3	13.4	16.2	17.7	9.1
1937	20.2	15.7	13.9	11.2	7.1	§99.5	§95.6	§98.1	5.7	12.3	16.0	18.9	9.5
1938	17.3	16.8	13.8	10.3	5.0	§98.1	§96.5	§97.5	4.6	10.5	16.1	16.1	8.6
1939	18.6	15.8	11.8	10.7	5.3	§98.7	§94.5	§96.4	4.0	11.6	16.0	20.2	8.4
1940	16.7	16.1	16.0	12.0	6.4	0.0	§96.8	§98.7	5.8	...	14.1	20.6	§9.6
Mean	18.9	16.0	14.1	11.1	6.8	0.1	§96.3	§95.4	4.6	11.9	16.0	13.6	9.4

\* Mean of 29 days. † Mean of 28 days. ‡ Normal values used for missing months. § 900 mb. +.

## ISPAHAN, IRAN

Lat. 32°40' N. Long. 51°44' E.

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = Not known.\*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.13	1.45	...	0.71	0.20	0.03	0.00	0.00	0.00	0.00	0.68	0.45	...
1932	0.89	0.05	0.49	0.28	0.00	0.00	2.02	0.00	0.00	0.01	0.06	0.00	3.80
1933	0.65	0.12	0.68	0.09	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.10	1.65
1934	0.50	1.45	0.30	0.60	1.33	0.01	0.00	0.00	0.00	0.00	0.05	0.13	4.37
1935	0.18	0.15	0.44	1.56	0.49	0.05	0.00	0.00	0.00	0.00	1.09	0.46	4.42
1936	0.38	1.22	0.31	0.16	0.14	0.00	0.00	0.00	0.00	0.00	0.04	0.59	2.84
1937	0.03	0.40	0.48	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.03	0.04	1.29
1938	1.26	0.29	1.01	0.22	0.54	0.00	0.00	0.00	0.81	0.00	0.75	1.97	6.85
1939	0.98	0.96	0.97	0.65	0.01	0.00	0.00	0.00	...	0.09	0.16	0.20	...
1940	1.39	0.77	0.23	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.41	3.66
Mean	0.74	0.69	0.49	0.44	0.27	0.01	0.23	0.00	0.08	0.01	0.36	0.44	†3.76

\* On the roof of college hostel.

† Sum of 12 monthly means.



JASK, IRAN

Lat. 25°45' N. Long. 57°45' E. H<sub>b</sub> = 13 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of 4<sup>h</sup>, G. M. T.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.013	1.003	.942	.828	.689	.562	.437	.461	.679	.849	1.013	1.061	.795
1932	1.085	1.001	.932	.821	.666	.483	.365	.532	.598	*.853	.984	1.071	.783
1933	1.090	.979	.938	.829	.681	.501	.474	.583	.691	.874	1.007	1.018	.805
1934	1.131	1.006	.939	.839	.708	.465	.413	.481	.659	...	...	1.022	...
1935	1.074	.961	.928	.814	.723	.549	.444	.569	.667	.883	1.009	1.058	.807
1936	1.092	.927	.962	.815	.614	.500	.476	.534	.672	.895	1.044	1.041	.798
1937	1.084	.957	.920	.819	.688	.484	.446	.531	.719	.898	.989	1.051	.799
1938	1.037	.998	.852	.801	.601	.456	.463	.539	.688	.839	1.034	1.026	.778
1939	1.066	.950	.911	.842	.687	.493	.445	.530	.663	.884	.972	1.126	.799
1940	1.012	1.009	.928	.853	.661	.518	.452	.552	.737	.906	.966	1.095	.807
Mean	1.068	.979	.925	.826	.672	.501	.442	.531	.679	.876	1.002	1.057	\$.796

TEMPERATURE IN DEGREES F.  
Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	68.6	†66.3	73.9	81.6	85.5	89.5	92.2	91.0	89.7	83.9	79.1	70.5	81.0
1932	69.1	69.6	74.5	79.5	85.3	88.9	89.6	86.9	86.7	83.5	77.1	68.7	79.9
1933	67.5	68.3	73.2	78.5	85.0	88.6	90.4	87.3	86.1	83.5	77.3	73.5	79.9
1934	64.7	71.6	71.3	80.1	84.7	90.8	91.1	89.3	88.1	83.0	76.9	71.5	80.3
1935	66.2	68.2	74.9	78.1	83.9	90.7	90.5	88.3	87.5	83.8	78.5	72.4	80.2
1936	66.5	...	...	...	...	89.5	91.0	90.9	88.1	82.0	74.3	70.9	...
1937	66.2	68.7	71.8	78.7	86.3	89.6	89.5	88.3	87.1	83.1	77.9	70.7	79.8
1938	68.4	68.7	72.2	78.1	85.0	89.1	90.7	87.6	87.8	82.7	75.1	69.5	79.6
1939	67.9	68.6	72.7	76.7	84.7	88.5	88.7	87.2	88.9	82.9	77.3	71.9	79.7
1940	69.7	70.7	71.9	79.1	85.7	89.5	87.1	87.4	85.1	82.2	78.5	72.3	79.9
Mean	67.5	68.7	72.9	78.7	85.1	89.5	90.1	88.4	87.5	83.1	77.2	71.2	\$.800

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 49 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.77	4.13	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.36
1932	0.09	0.00	0.67	0.11	0.00	0.00	0.14	0.00	0.00	0.00	0.00	1.77	2.78
1933	0.94	2.19	0.02	2.96	0.00	0.00	0.00	0.11	0.00	0.00	0.02	0.00	6.24
1934	0.66	0.00	4.29	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46	8.60
1935	1.29	5.91	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	7.55
1936	1.60	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	2.86
1937	0.25	1.31	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	2.03
1938	1.56	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.47	2.20
1939	1.73	1.58	0.65	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	4.75
1940	1.18	0.25	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	2.08
Mean	1.01	1.55	0.75	0.39	0.00	0.00	0.01	0.01	0.00	0.00	0.13	0.70	4.55

PRESSURE AT SEA LEVEL  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.9	16.6	14.5	10.6	5.9	1.6	‡97.4	‡98.1	5.5	11.3	16.8	18.5	9.5
1932	19.3	16.4	14.1	10.3	5.1	‡98.9	‡94.9	0.5	2.8	11.3	15.8	18.8	9.0
1933	19.4	15.6	14.3	10.6	5.6	‡99.5	‡98.6	2.3	5.9	12.1	16.6	17.0	9.8
1934	20.8	16.6	14.4	10.9	6.5	‡98.3	‡96.5	‡98.8	4.8	...	...	17.1	...
1935	19.9	15.0	13.9	10.1	7.0	1.1	‡97.6	1.8	5.1	12.4	16.7	18.3	9.8
1936	19.5	13.9	15.1	10.1	3.3	‡99.5	‡98.6	0.6	5.3	12.8	17.8	17.7	9.5
1937	19.2	14.9	13.6	10.2	5.8	‡98.9	‡97.6	0.5	6.8	12.8	15.9	18.0	9.5
1938	17.5	16.3	11.3	9.6	2.8	‡97.9	‡98.2	0.8	5.8	10.9	17.5	17.2	8.8
1939	18.6	14.7	13.3	11.0	5.8	‡99.2	‡97.6	0.4	5.6	12.4	15.4	20.7	9.6
1940	16.8	16.7	13.9	11.4	4.9	0.0	‡97.8	1.2	7.5	13.2	15.2	19.5	9.9
Mean	18.7	15.7	14.2	10.5	5.3	‡99.5	‡97.5	0.5	5.5	12.1	16.4	18.3	\$.95

\* Mean of 29 days.

† Mean of 28 days.

‡ 900 mb. +.

§ Mean of 12 monthly means.

## MESHED, IRAN

Lat. 36°17' N. Long. 59°36' E.

TEMPERATURE IN DEGREES F. H = 3,104 ft., h<sub>t</sub> = 2 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	31.7	28.4	46.8	59.7	63.0	70.6	78.4	75.3	68.7	55.7	44.1	37.1	55.0
1932	29.6	37.5	48.2	57.3	58.6	70.1	75.1	71.4	65.4	55.3	43.3	27.1	53.2
1933	29.5	40.1	41.5	56.4	68.7	73.1	78.9	75.9	...	...	...	40.1	...
1934	26.8	42.1	46.3	55.3	59.2	74.9	77.3	77.1	65.3	57.6	44.9	40.1	55.6
1935	29.7	44.5	48.9	60.2	66.5	71.3	77.3	77.3	67.3	58.1	44.4	38.7	57.0
1936	31.2	41.5	42.9	57.7	69.1	75.9	78.1	73.7	67.9	61.1	46.9	35.5	57.0
1937	27.9	...	...	53.6	67.5	75.2	79.9	77.9	68.7	58.7	46.8	40.3	...
1938	39.7	43.6	42.5	61.9	70.7	72.5	76.3	75.2	67.7	57.1	46.3	40.1	57.8
1939	37.7	36.7	44.1	51.3	64.9	79.0	77.7	74.5	68.4	59.1	50.1	43.5	57.3
1940	37.3	42.3	43.1	60.9	66.0	76.5	79.5	73.7	68.7	61.9	50.9	42.8	56.6
Mean	32.4	39.6	44.9	57.4	65.4	73.9	77.9	75.2	67.6	58.3	46.4	38.5	†56.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 27 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.85	1.88	2.59	2.84	2.59	1.63	0.32	0.00	0.00	0.00	1.44	1.06	16.20
1932	3.41	0.54	3.08	1.27	1.70	0.08	0.07	0.00	0.00	0.10	0.39	0.63	11.27
1933	0.75	0.46	2.36	2.09	0.62	0.09	0.00	0.04	0.00	0.15	1.41	0.94	8.91
1934	1.48	0.98	1.88	3.65	2.39	0.02	0.00	0.00	0.05	0.27	0.07	0.42	11.21
1935	0.45	1.12	1.51	0.82	0.15	0.54	0.00	0.00	0.00	0.80	1.59	0.20	7.18
1936	0.64	1.91	1.73	1.22	1.37	0.04	0.00	0.00	0.08	0.70	0.12	0.66	8.47
1937	1.81	1.14	2.38	1.57	1.32	0.00	0.00	0.00	0.85	0.58	0.12	0.71	10.48
1938	1.99	1.06	2.34	0.68	0.57	0.00	0.05	0.00	0.00	0.10	1.03	0.36	8.18
1939	1.69	3.27	4.19	4.40	1.81	0.00	0.00	0.00	0.00	0.85	1.13	0.73	18.07
1940	1.07	0.89	1.21	1.14	0.97	0.00	0.04	0.00	0.01	0.73	0.15	0.60	6.81
Mean	1.51	1.33	2.33	1.97	1.35	0.24	0.05	0.00	0.10	0.43	0.75	0.63	10.68

## TEHERAN, IRAN

Lat. 35°41' N. Long. 51°25' E.

TOTAL PRECIPITATION IN INCHES. H = 4,002 ft., h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.24	3.39	0.58	0.78	0.93	0.13	0.02	0.08	0.00	0.00	1.20	1.62	9.97
1932	1.37	0.33	1.10	1.31	0.28	0.62	0.46	0.02	0.04	0.15	0.53	0.70	6.91
1933	1.24	0.67	1.12	1.53	0.04	0.00	0.00	0.00	0.00	0.00	0.29	2.93	7.32
1934	1.50	3.16	0.99	2.22	1.75	0.23	0.02	0.00	0.00	0.00	1.59	1.39	12.85
1935	1.49	1.53	1.72	0.61	1.59	0.57	0.00	0.00	0.13	0.00	2.56	1.20	11.40
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	1.50	1.28	0.07	0.22	1.58	0.06	0.00	0.00	0.00	0.65	0.30	0.30	5.96
1938	1.70	1.29	2.37	0.77	0.30	0.00	0.00	0.18	0.00	0.20	0.57	3.16	10.54
1939	1.82	1.41	2.82	0.96	0.00	0.15	0.00	0.00	0.00	0.49	2.06	0.42	10.13
1940	2.82	2.76	0.58	0.82	0.32	0.00	0.00	0.00	0.00	0.04	0.83	1.40	9.57
Mean	1.63	1.76	1.26	1.02	0.75	0.20	0.06	0.03	0.02	0.17	1.10	1.46	*9.46

\* Sum of 12 monthly means.

† Mean of 12 monthly means.

BAGHDAD, IRAQ

Lat. 33°20' N. Long. 44°24' E. H<sub>b</sub> = 112 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(2^h + 6^h + 13^h)$ , G.M.T.  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	3.8	*98.5	*91.5	*94.9	1.1	8.2	12.6	15.9	...
1938	12.4	13.0	9.6	6.9	3.2	*95.0	*93.1	*95.1	1.5	8.1	12.7	13.1	5.3
1939	15.2	11.3	8.9	6.9	3.1	*98.0	*93.6	*96.7	1.3	7.4	11.5	16.8	5.9
1940	11.6	11.5	12.2	8.0	4.6	*99.2	*98.1	*96.3	2.7	9.3	11.5	15.4	6.7
Mean	13.1	11.9	10.2	7.3	3.9	*97.7	*94.1	*95.7	1.7	8.3	12.1	15.3	†5.9

TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{3}(2^h + 6^h + 13^h)$ , G.M.T.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	83.8	88.9	94.8	93.6	89.5	77.2	63.2	50.9	...
1938	50.8	51.0	54.9	71.2	79.8	90.6	97.0	95.8	88.8	74.4	62.1	53.7	72.5
1939	48.8	50.4	58.6	66.5	84.9	90.5	93.2	92.3	86.2	78.2	60.8	52.6	71.9
1940	49.7	54.4	56.9	75.9	81.4	88.9	93.4	94.4	87.3	86.0	64.3	55.2	74.1
Mean	49.8	51.9	51.4	71.2	82.5	89.7	94.6	91.0	87.9	79.2	62.6	52.6	72.8

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	5.8	0.0	0.0	0.0	0.0	12.7	28.0	T	...
1938	71.0	37.0	69.6	6.1	0.6	0.0	T	0.0	T	T	34.3	97.1	315.7
1939	36.0	28.1	15.3	25.0	T	T	0.0	0.0	T	0.2	30.3	8.9	143.8
1940	51.0	34.4	9.2	10.7	0.2	0.0	0.0	T	0.0	9.0	0.9	11.4	126.8
Mean	52.7	33.2	31.4	13.9	1.7	T	T	T	T	5.5	23.4	29.3	†191.1

\* 900 mb. +.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## BASRA, IRAQ

Lat. 30°34' N. Long. 47°47' E. H = 13.7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(2^h + 6^h + 13^h)$ , G.M.T.  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	11.9	16.3	19.2	...
1938	17.0	16.9	14.0	10.5	5.8	*98.5	*96.6	1.4	4.3	11.5	16.7	17.4	9.2
1939	19.0	12.1	12.6	11.2	6.8	0.7	0.6	*99.4	4.7	11.1	15.7	20.7	9.5
1940	15.9	15.3	15.8	11.5	7.2	2.3	*97.9	*99.3	6.0	12.8	15.3	19.7	9.9
Mean	17.3	14.8	14.1	11.1	6.6	0.5	*98.4	00.0	5.0	11.8	15.9	19.3	†9.6

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{3}(2^h + 6^h + 13^h)$ , G.M.T.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	80.8	68.6	56.1	...
1938	56.2	58.6	60.6	76.4	82.9	89.4	95.2	95.4	91.2	75.1	67.9	57.3	75.5
1939	55.2	56.0	64.9	73.2	86.9	90.2	92.1	91.2	86.3	79.8	66.8	63.7	75.5
1940	55.0	60.9	62.3	79.6	85.8	89.6	92.0	92.8	86.9	80.0	66.9	59.3	75.9
Mean	55.5	58.5	62.6	76.4	85.2	89.7	93.1	93.1	88.1	78.9	67.5	59.1	75.6

TOTAL PRECIPITATION IN MILLIMETERS

 $h_r = 12$  in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	0.0	0.0	0.0	T	36.4	4.4	...
1938	123.1	69.8	30.9	1.0	T	0.0	0.0	0.0	0.4	0.0	1.1	42.7	269.3
1939	35.9	42.9	1.3	35.6	0.0	0.0	0.0	0.0	T	0.0	5.7	1.0	122.4
1940	49.3	51.5	12.2	3.9	0.0	0.0	0.0	0.0	0.0	0.4	90.4	0.0	207.7
Mean	69.5	54.7	14.8	13.5	T	0.0	0.0	0.0	0.1	0.1	33.4	12.0	†198.1

\* 900 mb. +.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.







## NAHA, JAPAN

Lat. 26°12' N. Long. 127°39' E. H<sub>b</sub> = 10.5 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hourly observations  
700 mm.+

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	64.1	62.4	62.2	61.0	57.6	55.1	57.2	52.0	57.3	59.8	61.8	64.8	59.6
1932	67.0	64.0	63.7	60.4	58.3	55.1	56.2	53.2	56.9	60.4	62.3	64.4	60.2
1933	65.5	62.1	61.8	60.5	58.9	55.3	55.4	54.7	56.3	60.1	62.3	62.5	59.6
1934	64.8	63.9	61.9	60.2	58.2	57.2	56.1	56.4	56.3	60.6	62.9	63.4	60.2
1935	64.0	63.6	61.5	59.0	57.8	55.9	54.2	54.1	54.8	60.3	62.5	64.1	59.3
1936	64.4	61.8	65.1	59.9	57.9	55.7	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TEMPERATURE IN DEGREES C.

Means of 24 hourly observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.1	18.4	18.2	20.6	23.0	25.1	28.4	28.2	27.1	24.2	22.0	18.1	22.5
1932	16.2	15.2	15.6	19.4	24.5	25.6	28.0	27.1	25.9	23.1	20.1	18.0	21.5
1933	15.7	16.6	17.2	20.8	23.3	26.4	27.4	27.6	26.5	23.9	20.7	17.9	22.0
1934	14.3	14.9	16.1	20.0	22.4	26.0	28.0	27.7	27.1	23.8	20.5	18.7	21.6
1935	15.8	16.8	18.1	20.7	22.9	24.9	27.3	27.8	25.9	23.7	21.4	18.0	21.9
1936	14.6	15.3	15.5	20.5	23.0	26.3	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	289	115	179	139	249	273	100	236	108	199	88	68	2044
1932	16	112	101	135	220	432	243	455	132	174	228	69	2313
1933	95	175	112	97	84	259	256	637	183	54	211	95	2258
1934	120	85	123	64	134	369	137	203	197	53	110	212	1807
1935	80	147	256	299	233	581	154	98	148	103	73	98	2270
1936	116	212	81	153	288	81	390	195	327	632	48	191	2714
1937	302	124	217	118	486	380	229	552	308	278	372	160	3526
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* The pressures are reduced to 10.5 m., the old level used in Smithsonian Misc. Coll., vol. 79.





## OCHIAI, JAPAN

Lat. 47°20' N. Long. 142°47' E. H<sub>b</sub> = 6.6 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV AT 45° LAT.Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$ , 135th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.4	61.2	57.5	56.4	58.1	59.3	57.5	55.7	58.9	58.7	61.5	59.6	58.8
1932	61.0	63.4	55.6	55.7	56.0	59.1	58.2	57.1	62.8	58.0	59.1	60.2	58.8
1933	62.6	58.1	59.7	58.4	57.7	56.6	56.7	57.1	58.5	60.0	58.4	56.7	58.4
1934	55.7	54.4	52.9	54.6	57.3	54.6	56.5	55.2	58.4	59.6	58.9	59.5	56.0
1935	56.3	57.4	55.9	58.0	54.4	55.4	54.0	55.3	58.0	58.5	61.1	56.6	56.7
1936	53.2	56.8	59.4	54.7	58.2	54.0	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES C. H = 27.4 m.

Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-20.4	-18.0	-5.9	-1.2	3.2	7.4	10.8	17.9	14.0	7.1	-2.0	-10.2	0.2
1932	-10.1	-13.5	-8.0	-0.6	4.8	11.3	11.6	15.7	12.3	7.9	0.3	-7.8	2.0
1933	-14.9	-16.0	-8.9	0.6	7.8	11.5	17.2	18.9	13.1	6.2	-1.7	-5.4	2.4
1934	-6.3	-10.7	-6.1	0.0	5.8	12.2	14.0	16.6	12.3	5.9	-0.4	-8.0	2.9
1935	-12.8	-8.6	-5.9	-0.2	4.6	8.9	15.6	15.3	13.0	8.8	-2.8	-10.2	2.1
1936	-10.5	-9.4	-6.5	0.7	5.5	13.0	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	10	7	50	103	162	54	82	92	111	60	55	49	834
1932	22	41	63	82	88	19	85	54	62	242	50	21	834
1933	28	13	16	22	28	26	140	80	118	181	52	84	788
1934	95	10	47	40	160	75	36	95	120	65	95	12	850
1935	40	23	59	125	119	131	67	154	171	114	133	28	1169
1936	105	40	67	59	44	38	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* The pressures are reduced to 6.6 m., the old level used in Smithsonian Misc. Coll., vol. 79.

## TAIHOKU, JAPAN

Lat. 25°2' N. Long. 121°31' E. H = 9.3 m.

PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hourly observations  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	65.0	63.8	62.6	60.5	56.9	54.2	55.4	51.5	56.3	61.6	62.5	65.5	59.7
1932	67.5	65.7	63.6	59.6	57.1	54.1	54.3	53.4	56.9	61.1	62.9	65.4	60.2
1933	66.7	62.8	62.9	60.0	58.1	53.9	54.1	55.2	55.6	60.8	63.2	63.2	59.7
1934	66.2	64.6	61.8	60.1	56.7	56.2	53.3	55.4	54.9	61.8	63.0	64.3	59.9
1935	65.4	63.8	61.6	59.1	56.9	54.7	52.1	52.2	56.3	59.7	63.1	65.3	59.2
1936	65.3	62.8	65.4	59.4	57.4	54.9	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TEMPERATURE IN DEGREES C.

Means of 24 hourly observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.6	15.6	17.3	20.8	24.4	26.5	28.4	28.3	27.0	22.0	21.2	16.9	22.0
1932	15.0	13.1	16.1	20.8	25.9	26.8	28.5	28.1	26.0	22.8	20.1	16.7	21.7
1933	14.5	15.7	16.2	22.0	24.8	27.1	28.4	28.7	27.3	22.8	19.4	16.6	22.0
1934	12.9	14.9	16.2	19.8	24.2	27.0	28.3	29.2	27.6	22.4	19.8	18.2	21.7
1935	14.6	15.9	18.3	20.6	24.7	26.3	28.4	27.9	25.3	25.1	21.2	16.4	22.1
1936	14.4	14.6	15.1	20.6	23.6	27.4	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	42	102	135	596	333	251	213	375	198	86	34	66	2433
1932	12	222	268	261	64	365	348	463	117	47	61	79	2309
1933	75	101	201	30	210	271	254	146	231	212	56	56	1843
1934	124	96	350	100	71	166	204	8	109	109	66	95	1498
1935	117	127	200	189	89	361	442	375	134	40	41	94	2209
1936	74	316	263	135	187	93	265	571	121	79	18	57	2179
1937	276	83	363	156	234	891	122	350	120	41	27	107	2770
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TOKYO, JAPAN

Lat. 35°41' N. Long. 139°46' E. H<sub>0</sub> = 21.3 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hourly observations  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.7	61.6	60.0	58.0	58.1	55.3	54.5	57.6	58.7	61.8	63.4	62.0	59.3
1932	64.1	60.1	58.6	57.8	58.3	56.7	54.9	56.5	57.7	60.2	60.7	62.8	59.0
1933	62.3	60.0	59.7	60.8	58.5	55.9	57.2	55.8	57.4	60.4	62.2	57.7	59.0
1934	58.9	57.3	57.6	60.4	58.6	55.5	55.2	56.5	58.0	63.2	60.7	64.6	58.9
1935	59.4	61.6	58.9	60.2	57.2	55.6	55.8	54.8	57.6	59.8	64.1	61.5	58.9
1936	58.0	58.1	62.1	58.3	59.1	56.3	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TEMPERATURE IN DEGREES C. H = 5.8 m.

Means of 24 hourly observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	2.9	2.5	7.9	12.4	16.3	20.4	21.8	26.4	22.5	16.3	11.4	6.9	14.0
1932	5.9	4.4	6.9	12.3	18.0	19.8	25.7	26.7	21.8	16.5	10.9	6.0	14.6
1933	3.2	3.6	5.8	12.3	18.0	21.9	26.6	27.5	23.1	16.8	11.2	6.2	14.7
1934	2.5	4.0	6.1	11.5	17.8	22.0	23.9	26.1	21.6	14.6	10.8	5.9	13.9
1935	3.7	4.8	7.2	12.5	16.7	21.5	24.4	24.8	20.8	17.1	10.7	5.5	14.1
1936	2.0	2.5	6.1	12.0	16.4	21.4	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	73	85	83	70	244	115	194	49	228	249	108	67	1564
1932	89	61	108	156	64	187	115	87	363	154	268	87	1690
1933	58	19	134	135	60	34	44	43	43	302	84	54	1010
1934	18	28	68	150	84	133	111	23	201	196	141	92	1245
1935	59	111	116	142	84	131	99	197	369	214	75	60	1657
1936	32	129	41	199	169	120	395	98	291	328	88	69	1959
1937	85	161	193	167	179	139	76	20	223	227	117	89	1676
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* The pressures are reduced to 21.3 m., the old level used in Smithsonian Misc. Coll., vol. 79.



## JOSHIN (ZVOSIN), KOREA

Lat. 40°40' N. Long. 129°12' E. H<sub>b</sub> = 4 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{5}(2^h + 6^h + 10^h + 14^h + 18^h + 22^h)$ , 135th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	66.0	67.6	62.8	59.3	57.8	56.1	56.6	56.5	59.6	64.6	66.6	67.5	61.8
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	69.2	65.5	65.0	61.4	58.9	56.2	57.1	55.9	60.0	64.6	65.3	64.6	62.0
1934	66.9	63.7	60.2	61.2	58.6	54.8	56.6	57.5	58.9	65.7	62.8	68.2	61.3
1935	65.1	64.8	61.7	60.3	56.4	54.5	55.7	56.7	60.1	60.6	68.3	66.7	60.9
1936	65.0	64.3	65.2	59.7	57.9	56.2	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TEMPERATURE IN DEGREES C. H = 31.9 m.

Means of  $\frac{1}{5}(2^h + 6^h + 10^h + 14^h + 18^h + 22^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-6.1	-5.9	1.5	5.5	10.5	12.1	16.1	21.9	17.3	10.6	5.4	-2.4	7.2
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	-7.1	-5.9	-1.3	6.2	11.7	16.8	21.0	21.7	18.8	11.9	4.7	-1.1	8.1
1934	-6.6	-2.7	-0.6	6.5	11.4	15.9	18.6	21.1	17.6	10.6	3.4	-0.2	7.9
1935	-4.1	-1.9	2.5	6.8	11.4	14.3	19.6	21.9	18.1	13.6	4.7	-4.0	8.6
1936	-8.4	-5.4	-0.7	5.4	10.3	15.4	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	28	13	5	52	77	127	51	270	163	3	21	18	828
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	41	17	7	30	103	103	73	256	45	13	28	32	748
1934	8	3	40	13	99	203	176	184	198	2	54	3	983
1935	10	4	8	30	42	194	121	77	99	88	73	18	764
1936	9	24	37	18	28	29	80	124	112	15	36	36	548
1937	9	26	28	78	68	24	81	144	33	20	3	19	532
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* The pressures are reduced to 4 m., the old level used in Smithsonian Misc. Coll., vol. 79.

## SINGAPORE,\* MALAYA

Lat. 1°17' N. Long. 103°51' E. H = 3 m.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{3}(9^h+15^h+21^h)$ , 105th meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.1	10.4	10.5	9.4	9.2	9.4	9.7	9.0	9.4	9.7	10.0	9.7	9.6
1932	11.7	10.6	9.8	9.5	8.7	8.8	8.4	9.3	9.5	9.1	9.6	9.6	9.6
1933	9.7	9.5	9.0	9.4	8.6	8.9	9.0	9.5	9.5	9.4	8.9	9.5	9.2
1934	9.4	10.9	9.4	9.5	9.2	9.1	8.6	10.0	9.8	10.0	9.8	10.0	9.7
1935	11.2	9.8	9.2	8.4	8.7	9.2	8.9	10.1	9.6	9.0	10.2	10.0	9.5
1936	8.8	9.7	9.4	7.9	7.0	8.5	8.5	8.8	8.5	9.2	9.1	8.1	8.6
1937	9.3	10.4	8.2	8.0	9.1	8.8	9.0	9.1	10.3	10.6	9.1	9.3	9.3
1938	10.7	10.4	8.6	9.2	8.7	9.5	8.9	9.0	9.4	9.8	9.5	8.9	9.4
1939	9.6	10.5	9.2	8.8	8.7	9.2	9.0	8.7	10.3	10.1	9.3	...	9.4
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	10.1	10.2	9.3	8.9	8.7	9.0	8.9	9.3	9.6	9.7	9.5	9.5	†9.4

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.8	27.8	27.9	27.9	28.1	28.1	27.6	28.7	27.3	27.2	26.9	25.9	27.5
1932	25.8	26.8	26.7	27.1	27.2	26.9	27.4	27.1	27.0	27.3	26.2	26.5	26.8
1933	26.1	26.5	26.8	27.3	27.8	27.9	27.5	27.6	26.9	26.8	26.0	25.6	26.9
1934	24.8	25.4	25.9	26.7	27.7	27.2	27.5	27.5	27.5	26.8	26.6	26.6	26.7
1935	26.5	26.9	27.6	27.3	27.1	27.1	28.0	27.3	27.7	27.3	26.9	26.5	27.2
1936	26.6	27.5	27.1	27.6	27.8	27.4	27.7	27.1	27.2	26.5	26.6	26.6	27.1
1937	26.7	26.9	27.7	27.6	27.2	27.9	27.8	28.0	27.2	26.8	26.8	26.5	27.3
1938	26.4	27.6	26.8	27.3	27.3	28.0	27.5	26.8	27.2	27.2	26.8	26.6	27.1
1939	26.4	26.7	27.2	27.5	27.7	27.3	27.6	27.2	26.6	26.7	26.8	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	26.2	26.9	27.1	27.4	27.5	27.5	27.6	27.5	27.2	27.0	26.6	26.4	†27.1

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 0.3$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	294	150	132	173	177	258	176	146	249	234	266	303	2558
1932	166	130	182	162	290	180	254	90	247	91	115	62	1969
1933	280	49	279	110	160	256	120	150	153	194	232	114	2097
1934	481	154	271	92	308	213	259	151	116	262	317	83	2707
1935	94	135	206	83	174	199	78	184	102	103	250	239	1847
1936	158	23	197	178	263	93	124	114	149	294	305	270	2173
1937	208	191	175	272	323	124	74	114	201	89	229	262	2262
1938	311	120	193	224	244	154	158	237	160	161	164	274	2400
1939	272	160	163	221	58	145	97	198	310	274	241	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	252	124	200	168	222	180	149	154	187	189	235	201	‡2261

\* See ADDITIONAL DATA, p. 596.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## BEIRUT, SYRIA

Lat. 33°54' N. Long. 35°28' E.  $H_0 = 33.7$  m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(8\frac{1}{2}^h + 14\frac{1}{2}^h + 20\frac{1}{2}^h)$ , 30th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.72	60.30	61.64	59.38	59.20	57.72	54.28	54.69	57.93	61.14	62.52	64.46	59.58
1932	64.17	61.60	61.71	61.31	60.06	58.00	54.05	56.00	58.57	60.27	62.75	65.81	60.36
1933	64.01	60.75	60.82	60.56	59.51	57.67	56.36	56.40	58.28	61.93	62.63	62.67	60.13
1934	64.11	62.36	61.12	59.08	59.41	57.68	54.87	55.64	58.64	61.62	62.93	61.21	59.89
1935	61.96	60.77	60.29	60.19	59.11	56.53	55.11	55.38	57.21	59.93	61.67	62.62	59.23
1936	62.72	59.01	61.02	59.86	56.68	57.54	54.71	55.51	58.63	61.15	61.40	63.30	59.38
1937	63.58	61.71	62.19	59.31	60.05	57.25	54.22	51.62	58.24	60.16	60.96	64.07	59.70
1938	60.63	61.76	62.13	59.80	59.67	56.07	54.52	54.76	54.43	61.20	62.15	61.61	59.06
1939	63.59	61.41	59.26	59.15	59.27	57.50	54.90	56.01	58.11	60.28	61.35	64.51	59.61
1940	60.19	60.92	61.86	59.98	*59.38	*57.49	*55.82	*56.66	*59.33	60.93	62.12	†62.84	59.80
Mean	62.77	61.06	61.20	59.86	59.23	57.34	54.88	55.57	57.94	60.86	62.05	63.31	59.67

TEMPERATURE IN DEGREES C.  $h_t = 1.55$  mMeans of  $\frac{1}{3}(8\frac{1}{2}^h + 14\frac{1}{2}^h + 20\frac{1}{2}^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.89	14.60	17.03	19.28	22.58	26.14	29.31	29.63	28.60	24.82	18.78	15.00	21.72
1932	12.90	14.28	16.35	18.56	21.72	25.75	28.08	29.03	27.41	25.96	20.38	14.96	21.23
1933	13.42	15.32	15.79	17.51	22.23	25.05	26.98	27.94	26.23	23.43	21.35	15.60	20.90
1934	13.56	12.50	17.67	19.86	22.98	25.49	28.47	29.44	27.75	24.99	21.24	15.81	21.65
1935	14.72	14.34	17.07	19.46	25.41	28.16	28.66	29.13	28.14	24.76	18.57	16.52	22.08
1936	15.56	15.12	17.49	20.39	22.85	25.66	28.59	29.88	27.36	24.99	20.37	14.42	21.89
1937	12.20	15.34	17.63	20.55	23.05	26.37	28.68	29.29	28.33	24.98	20.54	16.76	21.98
1938	13.77	13.35	14.48	19.14	22.18	26.02	29.01	29.86	27.70	24.65	18.33	15.85	21.19
1939	14.30	14.12	15.60	19.93	24.05	25.46	28.90	29.47	28.10	26.11	19.64	16.62	21.86
1940	14.62	15.33	16.97	20.39	*22.99	*26.15	*28.12	*28.51	*26.89	24.72	19.53	†16.44	21.72
Mean	13.99	14.43	16.61	19.51	23.00	26.03	28.48	29.22	27.65	24.94	19.87	15.80	21.64

TOTAL PRECIPITATION IN INCHES.  $h_r = 0.56$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	7.22	9.87	2.83	1.46	0.19	0.12	0.00	0.00	0.34	0.55	2.08	6.76	31.42
1932	4.02	4.91	1.19	0.43	0.00	0.00	0.00	0.00	0.00	0.10	3.52	0.46	14.63
1933	3.85	3.00	2.86	1.37	0.32	0.00	0.00	0.00	0.48	2.77	0.56	4.12	19.33
1934	4.43	8.97	1.29	1.01	0.34	0.07	0.02	0.01	0.02	0.55	0.75	11.93	29.39
1935	8.39	8.80	3.23	4.78	0.00	0.00	0.00	0.00	0.24	2.85	9.86	4.52	42.67
1936	3.45	7.62	2.09	2.88	1.03	0.01	0.13	0.00	0.32	0.68	10.96	7.16	36.33
1937	6.28	2.81	1.88	1.19	1.47	0.07	0.00	0.00	0.00	7.94	6.71	4.84	32.69
1938	13.30	7.54	3.79	1.52	1.47	0.00	0.00	0.00	0.99	0.03	11.03	4.83	44.50
1939	6.80	7.67	6.68	2.28	0.03	0.16	0.00	0.02	0.00	0.01	7.14	8.64	39.43
1940	10.48	5.77	3.84	0.83	0.53	0.00	0.00	0.00	0.42	1.61	9.44	9.21	42.18
Mean	6.82	6.70	2.92	1.78	0.54	0.04	0.02	0.00	0.28	1.71	6.21	6.25	33.27

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.5	13.7	15.4	12.5	12.2	10.2	5.7	6.2	10.5	14.6	16.6	19.2	12.7
1932	18.8	15.4	15.5	15.0	13.4	10.6	5.4	7.9	11.5	13.6	17.0	21.0	13.8
1933	18.6	14.2	14.3	14.0	12.6	10.2	8.4	8.5	11.0	15.8	16.8	16.8	13.4
1934	18.7	16.5	14.7	12.1	12.5	10.2	6.5	7.4	11.4	15.4	16.9	14.9	13.1
1935	15.9	14.3	13.7	13.5	12.1	8.6	6.7	7.1	9.5	13.2	15.5	16.7	12.2
1936	18.2	11.9	14.6	13.1	8.9	10.0	6.2	7.3	11.4	14.8	15.1	17.6	12.5
1937	18.0	15.5	16.2	12.3	13.3	9.6	5.5	6.1	10.9	13.5	14.6	18.7	12.9
1938	14.1	15.6	16.0	13.0	12.8	8.1	5.9	6.3	5.8	14.9	16.2	15.4	12.0
1939	18.0	15.1	12.3	12.1	12.3	9.9	6.5	7.9	10.7	15.0	15.1	19.2	12.7
1940	13.5	14.5	15.8	13.3	11.1	9.9	7.7	8.8	12.3	14.6	16.1	17.0	13.0
Mean	17.0	14.7	14.9	13.1	12.2	9.7	6.5	7.4	10.5	14.4	16.0	17.6	12.8

\* Beirut summer time.

† Summer time from December 15.



## BANGKOK,\* THAILAND

Lat. 13°44' N. Long. 100°29' E. H<sub>b</sub> = 8 m.†PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 105th meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.81	10.67	9.71	8.09	6.40	5.67	6.73	4.27	6.94	9.85	11.49	11.79	8.62
1932	14.57	10.93	9.87	8.42	6.77	5.34	5.05	6.77	6.42	9.08	10.81	12.81	8.90
1933	11.81	9.66	8.96	7.81	7.65	5.53	5.70	7.34	6.77	8.71	10.79	10.93	8.47
1934	11.34	10.76	8.51	7.65	5.72	6.51	5.29	6.29	6.23	9.76	10.67	13.49	8.52
1935	11.99	10.08	7.91	6.75	5.32	6.01	4.84	7.03	6.19	7.95	10.85	11.79	8.06
1936	10.51	10.46	10.42	7.77	6.16	†6.09	3.32	5.75	6.61	9.22	11.71	10.27	8.19
1937	10.46	10.80	8.51	7.24	7.44	5.97	5.20	5.63	8.20	10.48	10.10	11.13	8.43
1938	12.56	10.64	8.07	7.65	6.17	6.12	6.13	7.25	6.61	8.77	11.31	10.82	8.51
1939	11.85	11.05	8.79	7.99	5.86	6.22	5.44	5.10	7.70	9.40	9.69	15.92	8.75
1940	12.37	12.24	9.41	8.87	6.81	6.48	6.64	6.60	8.06	10.79	10.77	13.96	9.42
Mean	11.93	10.72	9.02	7.82	6.43	5.99	5.43	6.21	6.97	9.40	10.82	12.29	8.58

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.6	29.2	30.3	31.3	31.1	30.2	29.2	28.8	28.7	27.3	27.3	26.6	28.9
1932	24.4	27.9	28.7	30.3	30.4	29.9	28.7	29.7	28.5	27.9	27.7	24.6	28.2
1933	26.6	28.3	29.1	30.2	30.5	29.6	28.7	29.6	28.7	28.2	25.9	25.4	28.4
1934	25.2	26.3	29.0	30.5	30.9	30.1	29.0	28.6	28.7	27.9	27.7	23.9	28.2
1935	27.3	28.4	30.1	30.6	30.1	29.5	28.6	29.2	28.5	28.7	28.1	26.7	28.8
1936	25.5	27.3	29.0	30.7	30.6	29.4	29.0	28.6	28.4	27.2	26.8	27.5	28.3
1937	27.1	28.4	30.7	30.3	28.5	28.5	27.8	28.0	27.4	26.7	26.8	25.1	27.9
1938	26.0	27.4	28.7	29.2	28.7	27.2	27.3	28.5	27.5	27.7	25.5	25.5	27.4
1939	25.6	26.9	28.0	29.7	29.0	28.0	27.9	28.2	27.6	27.3	27.0	22.1	27.3
1940	23.2	27.2	29.0	30.9	29.8	28.7	27.9	27.8	27.7	27.6	27.1	26.0	27.7
Mean	25.8	27.7	29.3	30.4	30.0	29.1	28.4	28.7	28.2	27.7	27.0	25.3	28.1

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 30 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.0	0.0	25.0	17.1	102.3	66.8	154.5	218.7	448.4	238.7	27.7	0.0	1299.2
1932	0.0	12.4	80.0	96.3	149.6	54.4	197.5	123.6	262.2	359.5	42.2	0.0	1277.7
1933	0.0	3.0	36.5	100.1	59.6	248.3	211.7	143.0	291.0	77.8	22.0	0.0	1193.0
1934	0.0	0.0	3.5	25.6	121.1	152.5	81.5	126.3	224.3	126.2	48.6	13.4	923.0
1935	2.0	2.4	17.7	86.5	135.8	206.7	265.1	129.9	235.6	362.6	139.7	83.2	1667.2
1936	0.0	161.6	95.7	36.5	89.6	189.8	121.2	108.4	228.0	137.2	19.1	0.0	1187.1
1937	0.0	0.0	0.0	153.2	83.8	178.4	67.3	107.6	366.7	163.0	39.3	17.9	1177.2
1938	3.0	6.3	20.5	120.6	146.5	218.3	117.4	240.5	413.9	117.2	53.2	16.5	1473.9
1939	3.0	2.2	79.0	153.8	128.9	130.9	97.2	64.7	197.9	211.9	121.4	0.8	1191.7
1940	0.0	9.5	0.0	0.0	183.0	173.2	172.7	147.7	153.6	108.6	38.3	0.2	981.8
Mean	0.8	19.7	35.8	79.0	120.0	161.9	148.6	141.0	282.2	190.3	54.7	13.2	1247.2

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.34	11.20	10.24	8.62	6.93	6.21	7.26	4.80	7.47	10.38	12.02	12.32	9.15
1932	15.10	11.46	10.40	8.95	7.30	5.87	5.58	7.30	6.95	9.56	11.34	13.34	9.43
1933	12.34	10.19	9.49	9.34	8.18	6.06	6.23	7.87	7.30	9.24	11.32	11.46	9.00
1934	11.87	11.24	9.04	8.38	6.25	7.04	5.82	6.82	6.76	10.29	11.20	14.02	9.04
1935	12.52	10.61	8.45	7.28	5.85	6.54	5.37	7.56	6.72	8.48	11.38	12.32	8.59
1936	11.04	10.99	10.95	8.30	6.69	6.62	3.85	6.68	7.54	10.15	12.64	11.20	8.89
1937	11.39	11.73	8.44	8.17	8.37	6.90	6.13	6.56	9.13	11.41	11.03	12.06	9.28
1938	13.49	11.57	9.00	8.58	7.10	7.05	7.06	7.18	7.54	9.70	12.24	11.75	9.36
1939	12.78	11.98	9.72	8.92	6.79	7.15	6.37	6.03	8.63	10.33	10.62	16.85	9.68
1940	13.30	13.17	10.34	9.80	7.74	7.41	7.57	7.53	8.99	11.72	11.70	13.99	10.27
Mean	12.62	11.41	9.61	8.51	7.12	6.69	6.12	6.83	7.70	10.13	11.55	12.93	8.59

\* See NOTES, p. 20.

† The H<sub>b</sub> was 4 m. from January 1931 to July 1936 and was then changed to 8 m. No correction was made to the observed pressure.

## AKMOLINSK, U. S. S. R.\*

Lat. 51°10' N. Long. 71°26' E. H = 353 m.†

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	39.9	46.4	32.4	37.1	30.4	27.9	26.5	34.4	30.9	33.6	36.8	34.3	34.2
1932	36.0	33.7	36.4	33.1	29.6	28.8	21.2	32.9	31.2	34.0	35.2	35.2	32.3
1933	41.7	38.6	32.7	32.3	30.6	25.8	24.3	25.5	34.0	37.8	32.4	32.1	32.4
1934	40.5	34.1	38.7	34.2	30.8	25.5	25.9	28.9	31.2	36.8	40.9	35.8	33.6
1935	37.8	34.4	32.6	34.5	32.5	26.2	25.1	27.0	30.4	34.9	40.7	44.6	33.4
1936	38.2	36.5	36.8	34.8	30.4	26.6	24.9	28.8	31.0	32.4	37.6	35.8	32.8
1937	39.6	36.7	36.5	33.0	29.0	26.7	23.4	29.6	31.2	35.4	39.8	39.2	33.4
1938	39.7	32.9	31.3	32.4	29.4	25.3	23.5	29.3	33.7	34.1	35.6	42.3	32.4
1939	37.2	33.2	36.3	33.3	30.6	27.2	24.9	27.6	29.3	34.5	37.3	37.8	32.4
1940	38.6	36.8	33.5	35.7	28.2	26.6	26.0	30.2	34.2	31.1	35.0	31.4	32.3
Mean	38.9	36.3	34.7	34.0	30.2	26.7	24.6	29.4	31.8	34.5	37.1	36.8	32.9

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$  local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-19.2	-25.4	-11.6	1.5	11.4	20.5	22.4	...	12.7	4.9	-9.2	-14.1	...
1932	-13.8	-14.9	-8.3	7.4	12.0	18.1	19.9	16.5	10.4	4.8	-7.3	-13.1	2.6
1933	-20.6	-20.8	-10.4	5.9	12.3	17.5	21.2	17.7	9.4	1.2	-5.5	-15.2	1.1
1934	-20.2	-14.1	-14.7	-4.5	11.7	17.6	15.8	18.0	7.1	3.4	-6.4	-16.2	-0.2
1935	-20.6	-10.9	-10.7	1.4	14.3	18.9	21.5	19.2	10.9	5.4	-13.6	-21.0	1.2
1936	-16.7	-14.8	-12.4	0.2	10.2	18.7	19.5	14.6	10.9	6.2	-4.7	-11.6	1.7
1937	-18.5	-19.1	-12.0	0.1	9.7	18.3	21.6	18.6	12.9	4.4	-8.0	-18.1	0.8
1938	-18.7	-15.2	-10.4	7.3	14.6	16.4	17.4	13.6	10.0	2.0	-4.0	-21.4	1.4
1939	-21.7	-13.9	-10.3	5.9	11.7	20.5	20.4	16.6	11.0	-1.1	-9.6	-10.4	1.6
1940	-21.8	-17.0	-5.6	7.0	10.6	18.8	28.8	19.7	11.3	0.8	-5.2	-11.2	2.6
Mean	-19.2	-16.6	-10.6	3.2	11.8	18.5	20.4	17.7	10.7	3.2	-7.4	-15.2	±1.4

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2	10	30	2	14	12	16	26	31	13	16	8	180
1932	0	0	1	9	13	16	42	24	13	6	15	3	142
1933	4	2	9	19	20	34	79	53	8	7	28	9	272
1934	4	4	5	8	16	30	87	14	26	8	4	14	229
1935	5	7	10	8	8	26	23	20	18	8	4	1	139
1936	4	7	14	9	22	8	24	64	14	11	5	7	189
1937	7	4	8	14	22	37	25	7	1	14	17	8	159
1938	3	6	11	14	25	52	70	3	15	16	18	5	233
1939	6	8	3	7	33	12	62	14	53	19	5	8	230
1940	5	2	11	11	15	18	34	53	10	43	13	16	231
Mean	4.0	5.0	9.7	9.6	18.3	25.4	46.7	28.4	18.9	14.5	12.5	7.9	200.9

\* See NOTES, p. 20.

† Station was transferred in 1919.

‡ Mean of 12 monthly means.

## ALMA ATA (VERNIY), U. S. S. R.

Lat. 43°15' N. Long. 76°55' E. H = 8478 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
600 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	92.8	95.3	91.5	91.7	89.2	87.5	83.8	84.8	89.4	94.1	94.3	93.1	90.6
1932	94.4	91.1	92.4	89.7	89.8	87.1	82.9	88.8	89.9	94.2	94.9	96.6	91.0
1933	95.3	91.6	91.2	89.1	88.7	85.1	84.8	86.2	90.7	94.0	93.6	90.5	90.1
1934	96.0	91.8	92.5	90.5	89.6	86.4	85.1	86.3	91.1	95.0	97.0	92.8	91.2
1935	93.7	90.8	91.2	90.4	90.9	86.7	85.1	85.8	89.7	93.3	96.1	96.7	90.9
1936	95.3	90.9	93.9	90.0	89.2	85.6	84.2	87.3	89.3	92.2	96.0	93.9	90.6
1937	93.6	91.0	92.5	90.7	89.2	87.0	83.6	85.7	89.7	93.9	96.8	94.8	90.7
1938	92.9	90.5	89.8	90.5	88.6	86.0	84.0	86.2	89.8	93.2	94.9	94.2	90.0
1939	92.4	90.5	90.6	91.5	89.8	85.5	83.6	86.0	89.6	92.6	94.0	94.3	90.0
1940	92.4	92.2	90.6	92.8	89.3	85.8	84.6	86.9	90.5	91.8	95.1	91.8	90.3
Mean	93.9	91.6	91.6	90.7	89.4	86.3	84.2	86.4	90.0	93.4	95.3	93.9	90.5

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$  local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-9.5	-16.8	1.9	9.6	13.8	19.7	21.7	22.8	20.2	11.4	0.0	-4.8	7.5
1932	-4.7	-3.2	5.0	13.1	15.9	20.4	25.0	19.9	16.7	8.4	0.1	-8.8	9.0
1933	-10.5	-4.7	-1.4	12.8	17.4	19.7	23.8	24.2	16.2	7.9	2.9	-2.7	8.8
1934	-11.2	-1.0	1.9	7.1	13.2	20.7	20.7	21.3	13.4	8.4	-1.8	-3.3	7.4
1935	-10.5	-2.2	2.3	9.7	16.7	19.9	22.9	24.0	15.9	10.4	-4.5	-11.2	7.8
1936	-9.7	-6.3	-1.7	8.8	15.4	21.2	23.0	19.2	16.8	13.9	2.4	-4.9	3.2
1937	-9.1	-6.2	-1.3	8.0	15.6	19.4	23.7	20.9	18.0	10.0	-4.4	-6.6	7.3
1938	-5.9	-3.2	2.0	14.1	19.0	20.3	23.5	22.0	16.5	8.8	1.8	-8.4	9.2
1939	-6.8	-3.4	0.4	8.6	17.2	22.9	24.8	23.1	18.0	8.6	1.6	0.4	9.6
1940	-6.0	-3.2	3.9	12.8	15.1	23.0	24.4	21.8	15.8	10.9	1.9	0.6	10.1
Mean	-8.4	-5.0	1.3	10.5	15.9	20.7	23.4	21.9	16.8	9.9	0.0	-5.0	8.5

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	30	7	32	92	123	75	21	17	1	22	43	28	491
1932	28	22	19	80	99	36	26	3	26	90	56	18	503
1933	13	28	38	41	49	73	27	6	13	29	26	45	388
1934	7	67	71	130	129	60	77	44	66	40	9	47	747
1935	8	12	77	62	41	71	49	4	46	45	62	61	538
1936	10	35	44	86	54	19	46	41	27	35	38	10	445
1937	58	19	28	87	167	27	46	23	20	27	46	18	566
1938	35	31	50	28	70	62	20	12	7	37	47	37	438
1939	27	28	41	125	90	4	36	5	28	48	88	26	546
1940	45	24	74	51	129	7	33	24	42	127	56	34	646
Mean	26.1	27.3	47.4	78.2	95.1	43.4	38.1	17.9	27.6	50.0	47.1	32.4	530.6

\* Station was transferred in May 1915.

## BARNAUL, U. S. S. R.

Lat. 53°20' N. Long. 83°48' E. H = 158.2 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{3}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.0	65.1	52.3	54.1	48.0	44.7	42.6	41.6	48.9	52.7	55.9	56.7	51.9
1932	55.1	56.6	56.1	52.0	46.0	43.9	37.4	47.8	48.1	52.2	53.0	56.2	50.4
1933	63.2	58.6	53.2	50.9	47.8	42.7	41.2	42.1	49.6	55.4	50.6	53.6	50.7
1934	58.8	55.6	56.6	51.8	47.7	43.5	41.4	45.5	48.0	55.5	57.5	54.1	51.3
1935	58.3	55.1	52.5	52.9	48.2	43.7	41.2	43.6	47.3	51.1	58.0	64.3	51.4
1936	58.2	56.5	56.3	52.4	46.8	43.0	41.2	44.5	48.8	50.9	53.1	55.1	50.6
1937	59.8	55.4	54.9	50.8	46.9	43.4	41.1	46.3	48.4	52.2	57.2	58.0	51.2
1938	61.5	52.8	52.3	51.6	45.6	42.2	39.5	45.8	49.8	50.6	55.4	61.6	50.7
1939	57.6	53.8	55.8	51.8	47.5	42.6	41.4	43.9	47.4	52.9	56.4	57.5	50.7
1940	59.8	57.1	53.5	52.4	45.8	43.7	42.4	44.7	50.4	48.8	53.6	51.6	50.3
Mean	59.2	56.7	54.4	52.1	47.0	43.3	40.9	44.6	48.7	52.2	55.1	56.9	50.9

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{3}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-21.3	-25.7	- 8.6	1.5	9.8	20.3	19.4	20.0	11.8	5.9	-10.8	-13.9	0.7
1932	-12.3	-13.8	- 9.5	5.6	9.7	16.5	22.0	16.5	11.8	6.6	- 4.2	-11.6	3.1
1933	-21.6	-21.1	- 9.6	4.6	10.8	16.5	20.0	18.7	8.2	0.8	- 4.8	-15.8	0.3
1934	-15.2	-12.3	-10.9	-2.0	11.8	19.5	16.5	16.7	7.0	3.4	- 8.8	-15.0	0.9
1935	-18.7	-11.8	- 8.8	0.3	12.5	19.9	21.7	17.5	11.5	3.1	-13.3	-21.7	1.0
1936	-17.0	-15.1	-10.8	-0.8	9.3	17.0	19.0	14.5	10.6	6.0	- 4.4	-12.0	1.4
1937	-19.1	-15.2	-12.5	-2.8	10.8	18.1	19.6	14.9	10.6	3.3	- 9.8	-18.1	0.0
1938	-20.4	-11.6	- 8.2	6.0	12.2	16.4	19.4	16.8	7.8	2.6	- 4.1	-23.6	1.1
1939	-19.2	-12.2	-10.7	5.4	11.2	18.6	18.8	16.5	11.9	1.0	- 9.3	- 9.2	1.9
1940	-24.0	-15.8	- 5.6	5.0	11.1	18.8	21.4	17.2	9.2	2.0	- 7.0	-12.0	1.7
Mean	-19.2	-15.5	- 9.5	2.3	10.9	18.2	19.8	16.9	10.0	3.5	- 7.6	-15.3	1.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	12	13	18	6	36	30	30	23	9	72	44	14	307
1932	13	2	6	6	34	71	43	10	21	28	57	15	306
1933	7	14	24	24	35	35	74	61	17	30	66	15	402
1934	16	16	18	12	18	23	170	60	63	12	20	16	444
1935	23	9	46	9	28	46	41	26	51	65	20	12	376
1936	21	12	16	28	39	29	86	97	61	20	64	15	488
1937	28	25	25	56	28	63	87	30	37	43	70	49	541
1938	11	30	10	16	60	82	83	21	69	60	22	17	481
1939	19	21	9	16	26	80	131	32	26	69	31	30	490
1940	14	20	14	20	37	25	72	136	53	51	42	48	532
Mean	16.4	16.2	18.6	19.3	34.1	48.4	81.7	49.6	40.7	45.0	43.6	23.1	436.7

BEREZOV, U. S. S. R.

Lat. 63°56' N. Long. 65°3' E. H<sub>b</sub> = 46 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time 700 mm. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	62.4	72.2	52.8	65.1	58.8	53.7	56.6	55.4	53.2	52.6	63.4	55.2	58.4
1932	50.8	56.0	59.6	60.9	55.3	54.3	52.4	58.4	53.6	53.7	55.6	54.1	55.4
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	55.1	55.2	56.5	61.7	56.4	54.6	53.2	54.1	52.2	60.6	64.2	69.5	57.8
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	68.7	59.5	67.4	63.0	57.5	58.5	54.3	62.4	56.5	55.8	63.2	69.9	61.4
1938	68.8	57.5	51.1	53.1	55.3	52.7	57.7	56.9	59.5	56.9	56.8	76.6	58.6
1939	55.6	52.0	61.4	54.6	57.0	55.5	54.7	55.6	51.4	56.0	61.3	56.3	56.0
1940	72.7	57.8	61.2	56.1	58.1	54.5	56.2	60.6	60.5	56.6	52.1	56.3	58.6
Mean	62.0	58.6	58.6	59.2	56.9	54.8	55.0	57.6	55.3	56.0	59.5	62.6	*58.0

TEMPERATURE IN DEGREES C. H = 43 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-20.0	-19.4	-13.9	-5.0	3.0	12.8	17.0	14.4	8.5	0.2	-12.2	-21.2	-3.0
1932	-17.0	-20.4	-15.0	-0.2	3.6	10.1	15.8	15.5	9.7	-0.1	-15.1	-21.4	-2.9
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	-17.4	-10.4	-9.8	-8.0	3.6	11.3	15.7	12.4	6.9	-5.3	-11.2	-17.7	-2.5
1936	-21.9	-21.6	-14.6	-2.8	1.6	12.6	15.3	13.7	7.3	-0.9	-7.8	-11.7	-2.6
1937	-18.0	-13.2	-16.1	-7.0	0.8	13.4	15.4	12.9	6.3	0.6	-9.4	-23.9	-3.2
1938	-20.5	-23.3	-10.3	0.5	4.7	12.7	15.7	13.2	7.3	-4.4	-10.3	-25.0	-3.3
1939	-21.0	-17.3	-12.8	-3.9	2.8	13.1	16.2	9.6	3.1	-3.2	-8.3	-17.2	-3.2
1940	-32.9	-16.8	-15.3	-2.0	0.6	10.7	16.4	15.8	8.6	-5.6	-8.9	-25.6	-4.6
Mean	-21.1	-17.8	-13.5	-3.6	2.6	12.1	15.9	13.4	7.2	-2.3	-10.4	-20.5	*-3.2

TOTAL PRECIPITATION IN MILLIMETERS. H = 43 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	16	3	15	13	37	119	45	35	45	34	27	17	406
1932	15	13	22	16	75	75	55	51	53	51	30	18	474
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	13	15	3	20	32	75	41	117	33	35	13	17	414
1936	20	31	10	6	21	13	29	20	62	40	24	12	238
1937	8	6	8	13	35	61	57	6	75	30	8	10	317
1938	15	13	18	44	86	98	52	66	28	12	51	16	499
1939	19	15	8	36	46	58	57	77	71	35	16	21	459
1940	9	8	7	51	22	62	108	34	48	12	40	12	413
Mean	14.4	13.0	11.4	24.9	44.3	70.0	55.5	50.8	51.9	31.1	26.1	15.4	†408.8

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

BLAGOVYESHCHENSK, U. S. S. R.

Lat. 50°17' N. Long. 127°32' E.\* H<sub>s</sub> = 142.2 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	53.5	54.9	46.6	44.6	43.4	41.2	42.6	42.1	43.9	48.1	51.9	53.9	47.2
1932	50.8	56.6	47.2	42.5	41.4	41.3	40.7	43.1	50.3	46.9	48.3	54.4	47.0
1933	55.5	52.7	50.4	44.3	42.2	41.6	42.0	42.8	45.4	50.8	50.9	52.3	47.6
1934	56.5	50.7	47.2	44.5	43.7	41.0	42.9	42.6	46.7	48.6	47.7	53.3	47.1
1935	53.3	49.9	47.7	44.7	39.6	40.9	40.5	42.6	45.9	46.3	55.2	51.5	46.5
1936	52.7	53.0	52.1	45.1	42.3	39.1	39.3	41.9	45.7	45.1	49.8	50.3	46.4
1937	52.7	52.4	50.2	44.2	41.3	43.4	38.9	44.3	45.1	47.1	50.1	48.1	46.5
1938	52.8	49.9	48.8	41.0	39.9	40.1	40.3	44.1	46.3	48.4	52.1	53.5	46.4
1939	55.3	54.4	48.1	46.9	42.7	39.3	42.1	44.5	45.9	50.3	49.2	52.7	47.6
1940	52.3	54.5	48.7	42.1	40.5	41.8	39.5	44.1	47.4	47.8	51.4	52.3	46.9
Mean	53.5	52.9	48.7	44.0	41.7	41.0	40.9	43.2	46.3	47.9	50.7	52.2	46.9

TEMPERATURE IN DEGREES C. H = 143 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-29.7	-27.6	-10.2	-1.0	8.8	17.0	22.5	19.9	12.8	3.3	-9.4	-18.4	-1.0
1932	-21.4	-17.1	-9.3	0.9	9.9	17.0	20.5	17.2	13.4	5.3	-11.4	-19.8	0.4
1933	-24.9	-21.9	-11.4	1.4	12.3	18.9	21.9	18.8	12.4	3.9	-10.5	-16.6	0.4
1934	-21.3	-13.2	-9.6	0.9	13.4	18.6	19.6	19.0	11.9	2.3	-9.5	-18.5	1.1
1935	-22.1	-13.5	-7.9	1.9	10.7	17.9	23.8	19.1	12.6	4.1	-15.3	-24.0	0.6
1936	-25.8	-18.7	-10.9	1.8	11.2	18.5	20.2	19.0	12.8	1.1	-12.8	-23.7	-0.6
1937	-24.4	-19.2	-14.8	2.2	9.5	19.4	20.5	19.3	11.6	2.6	-11.9	-22.6	-0.6
1938	-22.4	-18.3	-5.0	3.9	11.6	19.6	22.0	19.4	12.0	2.8	-11.0	-26.1	0.7
1939	-26.4	-16.9	-6.8	4.4	12.2	17.6	22.7	20.9	13.2	-0.6	-11.8	-18.6	0.9
1940	-22.6	-18.4	-8.4	2.1	10.2	18.2	21.2	19.0	12.2	1.3	-14.0	-19.3	0.1
Mean	-24.1	-18.5	-9.4	1.8	11.0	18.3	21.5	19.2	12.5	2.6	-11.8	-20.8	0.2

TOTAL PRECIPITATION IN MILLIMETERS. H = 143 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9	1	20	9	23	235	38	82	183	45	20	1	666
1932	9	1	6	54	26	206	226	122	64	8	12	5	739
1933	8	0	2	7	33	134	110	142	102	19	3	5	560
1934	3	0	14	13	143	55	66	94	50	4	3	2	447
1935	1	3	2	19	45	52	83	127	13	70	26	6	447
1936	8	5	9	9	38	42	211	111	67	19	15	8	537
1937	2	11	3	7	56	77	146	45	74	24	8	5	458
1938	5	7	0	19	73	85	189	04	42	3	34	1	522
1939	2	0	15	7	34	120	75	34	83	37	6	1	414
1940	5	5	7	32	85	66	180	37	34	2	21	13	437
Mean	4.7	3.3	7.8	17.6	50.1	107.2	132.4	85.8	71.2	23.1	14.8	4.7	522.7

\* Station was transferred in 1914.

## DICKSON, U. S. S. R.

Lat. 73°30' N. Long. 80°24' E. H<sub>n</sub> = 13 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	65.2	62.0	56.3	66.1	55.7	58.9	55.1	58.3	55.4	50.9	59.3	56.2	58.3
1932	46.5	56.3	57.1	56.1	59.1	54.0	57.2	56.7	52.6	54.5	55.2	55.1	55.0
1933	71.7	72.3	59.2	58.8	61.4	53.2	55.5	53.8	58.5	51.8	54.8	54.8	58.8
1934	52.6	46.9	68.9	53.4	54.6	55.5	58.2	58.3	60.6	50.8	55.2	55.0	55.8
1935	50.5	51.6	58.1	65.3	56.2	57.0	53.8	53.5	53.9	62.4	59.4	66.3	57.3
1936	63.9	66.4	58.4	59.9	55.1	54.5	57.3	59.7	48.9	54.2	56.0	53.1	57.3
1937	59.3	54.5	69.5	58.8	56.5	55.6	58.3	56.5	51.9	50.7	56.5	66.1	57.8
1938	61.1	60.2	50.8	51.5	56.1	57.3	56.8	52.5	52.4	56.9	57.5	70.9	57.0
1939	52.4	51.0	57.2	53.9	58.8	56.4	57.9	54.9	48.9	54.3	57.8	49.9	54.4
1940	71.7	51.7	61.3	52.8	59.6	55.2	55.4	58.4	62.9	52.7	52.4	58.4	57.7
Mean	59.5	57.3	59.7	57.7	57.3	55.8	56.6	56.3	54.6	53.9	56.4	58.6	56.9

## TEMPERATURE IN DEGREES C. H = 20.3 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-34.0	-15.5	-26.7	-20.5	-7.6	-0.4	4.2	5.3	3.9	-2.2	-11.7	-19.7	-10.4
1932	-24.5	-22.6	-23.1	-12.1	-5.4	2.5	7.9	7.3	5.0	-6.5	-20.3	-28.9	-10.1
1933	-23.0	-22.7	-25.9	-14.7	-11.7	-2.0	2.3	2.1	-0.9	-6.3	-23.6	-25.0	-12.6
1934	-20.9	-16.4	-21.4	-18.2	-7.0	-0.1	1.6	5.1	-0.3	-5.8	-14.6	-24.1	-10.2
1935	-27.0	-17.5	-24.4	-22.1	-5.0	0.3	4.1	6.7	1.7	-7.2	-17.2	-20.6	-10.7
1936	-31.3	-27.2	-24.6	-13.0	-7.9	0.0	3.1	4.1	4.6	-4.9	-15.7	-18.4	-10.9
1937	-12.9	-20.1	-30.0	-16.6	-7.0	0.0	4.1	3.0	1.8	-6.2	-14.3	-19.4	-9.8
1938	-15.0	-23.8	-19.4	-13.0	-6.0	1.4	4.9	6.5	3.4	-8.9	-16.1	-20.4	-8.9
1939	-25.7	-21.8	-21.3	-19.4	-9.0	1.0	7.8	4.0	-0.7	-8.5	-15.6	-17.2	-10.5
1940	-27.1	-26.8	-27.8	-17.9	-7.1	2.7	4.7	5.9	3.7	-9.9	-17.4	-26.3	-11.9
Mean	-24.1	-21.4	-24.5	-16.8	-7.4	0.5	4.5	5.0	2.2	-6.6	-16.6	-22.0	-10.6

## TOTAL PRECIPITATION IN MILLIMETERS. H = 20.3 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0	5	3	3	10	19	6	21	36	6	6	4	119
1932	2	4	4	2	5	18	19	62	70	14	5	4	209
1933	4	1	6	5	1	9	33	57	7	18	2	4	147
1934	8	2	3	4	4	18	21	69	20	12	6	4	171
1935	4	4	4	1	10	5	5	...	31	13	12	5	...
1936	6	3	6	9	6	6	43	8	68	13	2	9	179
1937	7	3	1	4	1	50	14	69	43	17	8	7	224
1938	7	3	9	6	10	16	24	73	72	14	8	4	246
1939	8	6	7	3	4	25	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	5.1	3.4	5.0	4.1	5.7	18.4	20.6	51.3	43.4	13.4	6.1	5.1	†181.6

\* See NOTES, p. 21.

† Sum of 12 monthly means.

FORT SHEVCHENKO (FORT URITSKY, FORT  
ALEKSANDROVSKY), U S. S. R.

Lat. 44°31' N. Long. 50°7' E. H = -22.8 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, 1931-February 1936;

$\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, March 1936-1940

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	69.2	75.4	64.5	65.1	62.9	60.4	57.0	58.6	63.1	67.7	73.4	67.7	65.4
1932	71.4	65.2	68.8	60.9	62.8	60.5	57.2	62.8	64.2	68.6	72.3	75.4	65.8
1933	72.5	67.7	68.2	61.8	61.4	57.8	58.6	60.1	64.2	68.8	68.6	66.5	64.7
1934	75.9	66.4	69.1	67.3	64.6	60.3	58.3	60.2	65.6	69.8	72.9	70.7	66.8
1935	71.7	64.9	67.5	62.5	65.4	61.4	58.8	60.0	63.6	66.3	74.4	71.8	65.7
1936	69.8	66.5	70.9	63.4	62.5	57.7	58.8	61.4	62.9	66.1	69.4	70.0	65.0
1937	70.4	67.0	69.8	66.2	63.7	61.4	57.9	58.0	63.6	67.8	70.2	69.0	65.4
1938	66.4	66.1	64.9	61.8	63.7	61.3	60.0	60.7	64.1	67.2	69.4	72.8	64.9
1939	69.1	67.6	64.3	65.5	62.4	58.4	58.7	62.1	64.4	67.8	68.2	67.6	64.7
1940	67.7	68.6	65.2	63.4	64.1	60.5	58.8	61.7	61.3	66.4	68.8	65.6	64.8
Mean	70.4	67.5	67.3	64.0	63.4	60.0	58.4	60.6	64.0	67.6	70.8	69.7	65.3

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours, 1931-  
February 1936;  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, March 1936-1940

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-6.1	-7.6	3.1	9.0	16.0	23.1	27.7	23.5	20.7	13.1	2.1	-2.1	10.3
1932	-2.7	-4.1	0.8	10.3	18.7	23.8	24.0	25.4	20.4	12.5	3.6	-1.6	10.9
1933	-5.0	-3.3	1.4	9.5	17.1	20.5	25.0	23.8	21.2	13.5	6.7	-1.8	10.7
1934	-5.2	1.2	3.3	9.6	17.9	21.5	26.0	24.3	18.7	12.7	6.0	-0.8	11.3
1935	-4.8	1.2	1.4	12.0	18.3	21.0	25.4	26.4	21.3	16.2	2.2	0.2	11.7
1936	0.7	-2.0	2.0	9.7	16.4	22.5	26.8	26.1	18.8	12.2	7.6	2.0	11.9
1937	-5.0	-2.3	1.6	10.1	16.4	20.6	26.8	27.0	23.8	14.9	6.6	2.1	11.9
1938	0.9	0.1	2.2	11.2	18.4	21.9	26.2	26.0	22.4	15.2	7.8	-3.6	12.4
1939	-2.4	-0.4	2.7	10.6	19.0	24.8	26.4	23.9	17.3	9.6	5.8	2.8	11.7
1940	-4.2	-3.8	2.0	12.6	16.0	22.6	26.7	28.5	21.2	11.5	7.2	2.4	11.9
Mean	-3.4	-2.1	2.0	10.5	17.5	22.2	26.1	25.5	20.6	13.1	5.6	0.0	11.5

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2	0	6	13	8	68	2	6	0	12	5	16	138
1932	14	3	12	4	21	18	71	2	40	15	7	5	212
1933	8	5	6	63	13	40	29	6	0	6	5	6	187
1934	1	16	2	0	12	14	10	5	27	3	14	13	117
1935	13	11	23	4	30	48	18	7	3	13	1	22	202
1936	4	7	5	8	5	18	5	18	36	20	7	4	137
1937	14	13	6	41	3	36	1	2	0	3	0	3	122
1938	4	22	13	31	3	21	4	5	2	0	20	5	135
1939	8	5	3	6	14	2	0	0	4	14	15	7	78
1940	1	3	9	0	4	1	4	0	69	11	2	6	110
Mean	6.9	8.5	8.5	17.0	12.7	26.6	14.4	5.1	18.1	9.7	7.6	8.7	143.8



## IRKUTSK, U. S. S. R.

Lat. 52°16' N. Long. 104°19' E. H = 46.7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.7	30.4	22.8	22.4	19.2	17.2	14.7	16.6	22.7	26.1	25.9	29.3	22.9
1932	25.1	31.6	27.0	21.3	17.6	15.3	11.9	19.5	21.9	24.6	23.0	27.0	22.2
1933	33.8	29.0	26.1	21.2	18.8	15.6	15.2	16.5	20.5	26.9	22.6	25.1	22.6
1934	29.8	29.8	26.8	21.6	19.3	16.1	14.5	17.9	20.9	26.4	25.2	24.5	22.7
1935	28.5	26.5	23.5	21.9	19.1	17.4	14.9	16.1	20.8	21.1	26.9	31.6	22.4
1936	28.8	28.3	27.6	22.2	16.7	14.9	13.5	16.7	22.0	22.8	23.2	25.7	21.9
1937	29.4	25.8	24.9	20.4	19.4	16.2	12.8	17.8	20.5	22.2	25.2	27.4	21.8
1938	31.6	24.9	24.4	21.5	17.0	13.9	13.6	18.2	21.2	21.2	27.4	28.3	21.9
1939	27.0	27.7	24.6	24.0	18.8	15.2	14.5	17.6	22.0	25.2	26.0	28.4	22.6
1940	31.5	27.8	24.0	21.6	18.2	15.9	15.4	17.4	21.2	20.6	23.7	23.9	21.8
Mean	29.3	28.2	25.2	21.8	18.4	15.8	14.1	17.4	21.4	23.7	24.9	27.1	22.3

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-22.8	-21.9	-10.1	0.0	5.7	16.2	16.5	15.3	7.5	1.9	-12.1	-18.6	-1.9
1932	-14.4	-17.7	-10.7	2.4	6.9	13.3	19.2	13.8	10.7	3.0	-6.8	-14.7	0.4
1933	-26.3	-20.4	-11.8	1.0	7.2	14.2	16.6	15.2	7.2	-1.0	-8.6	-14.4	-1.8
1934	-20.8	-16.0	-12.1	0.7	9.0	14.2	17.5	13.8	6.9	0.6	-10.7	-18.1	-1.2
1935	-22.2	-13.8	-6.4	-0.8	7.7	15.0	18.1	16.1	9.7	0.7	-15.2	-25.7	-1.4
1936	-23.4	-19.4	-12.2	-2.3	7.1	13.0	17.4	13.8	7.2	2.7	-10.8	-17.4	-2.0
1937	-22.5	-17.1	-15.2	-0.4	10.5	15.2	16.6	14.2	7.1	1.0	-10.3	-24.0	-2.1
1938	-23.3	-15.4	-6.3	4.7	8.4	14.1	18.3	14.3	6.9	1.4	-7.9	-21.9	-0.6
1939	-20.1	-15.6	-7.4	3.8	8.0	16.2	19.0	16.4	9.2	-1.4	-12.6	-14.0	0.1
1940	-26.3	-17.3	-6.6	2.8	9.2	15.1	16.8	14.7	7.2	0.4	-9.9	-16.8	-0.9
Mean	-22.2	-17.5	-9.9	1.2	8.0	14.6	17.6	14.8	8.0	0.9	-10.5	-18.6	-1.1

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	21	14	16	6	19	37	101	120	31	31	19	5	420
1932	16	6	4	12	28	195	143	120	79	21	29	2	655
1933	5	7	5	10	42	112	37	140	40	13	5	11	427
1934	11	2	6	3	6	33	63	51	31	19	22	8	255
1935	6	5	8	14	33	44	56	173	16	24	6	12	396
1936	15	20	5	6	37	44	160	37	26	43	23	19	485
1937	9	14	8	7	20	62	130	52	70	26	18	17	433
1938	9	12	6	44	24	303	158	108	86	15	18	14	797
1939	8	3	7	10	36	108	45	93	32	27	26	14	409
1940	19	9	8	21	43	78	58	95	36	15	30	10	422
Mean	11.9	9.2	7.3	13.3	28.8	101.6	95.1	103.9	44.7	23.4	19.6	11.2	*470

\* Sum of 12 monthly means.

## KASALINSK, U. S. S. R.

Lat. 45°46' N. Long. 62°7' E. H = 66.7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	64.3	71.1	59.4	58.5	54.9	51.8	48.7	49.4	55.6	61.5	64.7	61.1	53.4
1932	62.7	57.9	61.3	54.0	55.9	52.7	47.1	55.7	57.0	...	63.9	66.7	...
1933	66.7	63.1	60.3	55.3	54.7	49.6	48.1	52.7	59.5	63.3	61.1	58.9	57.3
1934	70.2	60.3	61.7	58.7	55.7	51.0	50.9	51.5	57.7	63.8	67.5	64.6	59.5
1935	65.4	59.0	59.6	56.9	58.2	51.7	50.8	51.9	57.5	60.1	68.6	68.0	59.0
1936	65.5	59.8	64.4	58.3	55.7	50.6	50.7	53.9	56.3	58.2	64.8	63.4	58.5
1937	64.9	61.2	62.8	59.9	55.3	51.4	48.5	51.7	56.6	61.6	67.2	66.0	58.9
1938	62.5	59.4	57.8	55.3	54.8	51.2	50.2	52.4	57.7	61.8	62.9	67.7	57.8
1939	63.0	60.2	58.9	58.8	56.0	50.0	49.1	53.5	55.9	61.0	62.2	63.0	57.6
1940	61.7	61.7	59.6	60.0	56.0	52.1	49.8	54.6	57.1	58.3	62.6	58.6	57.7
Mean	64.7	61.4	60.6	57.6	55.7	51.2	49.4	52.7	57.1	61.1	64.6	63.8	*58.3

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-14.7	-23.2	-2.5	10.8	17.3	22.9	28.3	22.9	19.2	9.9	-2.5	-9.3	6.6
1932	†-9.5	-7.6	-2.0	14.3	19.6	23.8	24.6	22.7	16.9	...	-1.3	-10.9	...
1933	-14.8	-14.8	-4.7	12.5	19.5	22.5	26.5	24.2	16.7	6.2	0.8	-8.8	7.2
1934	-19.0	-6.5	-2.3	7.5	15.7	22.4	24.2	24.0	14.1	7.6	-1.7	-9.2	6.4
1935	-14.8	-3.6	-1.0	12.7	19.4	21.1	26.0	25.6	16.4	12.5	-5.8	-11.5	8.1
1936	-14.2	-8.3	-4.0	9.2	17.4	24.9	24.9	22.8	16.4	10.8	1.0	-4.9	8.0
1937	-13.6	-9.2	-1.9	7.3	16.7	23.6	27.4	25.0	19.4	9.8	-2.4	-8.2	7.3
1938	-7.0	-6.1	-1.5	13.5	20.5	23.5	23.7	24.6	17.0	8.0	1.6	-14.8	8.6
1939	-13.5	-9.5	-1.7	9.4	19.4	27.2	27.3	22.4	15.6	4.9	-0.1	-1.9	8.3
1940	-10.4	-11.2	-0.4	13.8	15.9	24.0	27.2	25.8	17.4	7.8	1.8	-2.6	9.1
Mean	-13.2	-10.0	-2.2	11.1	18.1	23.6	26.0	24.0	16.9	8.6	-0.9	-8.2	*7.8

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	15	0	20	10	23	20	0	27	1	13	7	19	155
1932	5	7	1	9	4	0	3	2	12	...	22	6	...
1933	11	0	10	19	1	1	10	1	0	0	13	19	85
1934	2	17	2	6	40	5	0	18	26	14	3	17	150
1935	8	23	28	2	0	13	6	5	0	21	4	5	115
1936	9	24	3	3	42	0	0	7	8	18	4	5	123
1937	8	2	3	14	0	8	0	0	0	8	6	14	63
1938	14	10	4	17	2	0	1	0	7	4	20	5	84
1939	21	8	36	26	19	0	2	0	11	17	1	27	168
1940	3	45	22	0	10	0	23	0	0	37	3	21	169
Mean	10.1	13.6	12.9	10.6	14.1	4.7	4.5	6.0	6.5	14.7	8.3	13.8	†119.8

\* Mean of 12 monthly means.

† January interpolated.

‡ Sum of 12 monthly means.

KIRENSK,\* U. S. S. R.

Lat. 57°47' N. Long. 108°7' E. H = 256.4 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	42.4	42.0	41.7	44.6	...
1933	52.3	...	43.6	37.8	34.3	31.4	...	...	36.9	44.1	39.7	...	...
1934	49.2	...	45.2	37.9	36.5	32.6	32.2	34.9	39.2	42.6	42.1	42.4	...
1935	45.0	42.8	40.5	38.5	35.0	34.8	32.5	32.8	38.5	39.1	44.7	49.8	39.5
1936	48.2	49.2	46.3	40.0	33.9	31.4	30.7	33.3	40.2	39.2	42.6	42.8	39.8
1937	47.3	45.2	44.5	37.3	36.7	33.7	28.8	34.4	36.9	38.5	44.3	48.6	39.7
1938	...	...	...	...	...	...	...	...	38.4	37.8	46.9	47.1	...
1939	45.0	46.7	41.9	39.8	36.0	32.4	32.1	34.8	39.3	42.4	43.5	43.5	39.8
1940	53.8	45.6	42.0	36.5	35.0	32.5	32.0	34.3	...	...	...	...	...
Mean	48.7	45.9	43.4	38.3	35.3	32.7	31.4	34.1	39.0	40.7	43.2	45.5	†39.8

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	4.7	15.2	17.4	15.6	8.9	1.3	-12.5	-25.0	...
1932	-14.6	-25.5	-13.4	0.5	7.0	15.1	22.5	15.6	10.3	2.4	-15.2	-16.0	-0.9
1933	-27.1	...	-15.4	-2.7	5.0	15.5	...	...	7.1	-1.0	-12.0	...	...
1934	-25.6	...	-14.3	-0.3	7.9	14.9	19.0	13.5	5.6	-0.4	-14.8	-20.0	...
1935	-22.8	-14.0	-10.8	-4.3	5.1	13.2	17.6	14.4	7.5	-3.7	-17.7	-28.4	-3.7
1936	-30.5	-27.4	-14.5	-2.1	7.0	11.2	20.0	14.4	7.3	-0.7	-19.0	-18.6	-4.4
1937	-23.4	-23.8	-20.1	-3.0	9.1	16.3	17.6	12.8	6.8	-2.0	-16.2	-32.7	-4.9
1938	-28.8	-19.8	- 8.2	2.5	7.0	14.6	18.4	16.0	7.8	-1.4	-16.2	-29.2	-3.1
1939	-25.4	-19.2	-11.8	2.8	7.3	17.2	18.1	16.7	8.4	-2.6	-17.2	-13.5	-1.6
1940*	-38.2	-22.4	-11.2	0.1	7.5	16.1	16.9	15.7	6.2	-3.2	-16.5	-25.2	-4.5
Mean	-26.3	-21.7	-13.3	-0.7	6.8	14.9	18.6	15.0	7.6	-1.1	-15.7	-23.2	†-3.3

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	42	10	25	34	32	...
1933	...	...	8	7	24	82	...	...	43	15	14	...	...
1934	20	...	1	32	11	49	92	49	72	21	30	13	...
1935	21	11	9	26	52	45	56	92	14	38	26	16	406
1936	11	4	5	3	36	76	103	67	22	38	28	26	419
1937	18	7	4	11	25	35	126	59	46	33	21	21	406
1938	16	12	6	7	34	32	20	58	20	30	22	12	269
1939	24	8	6	6	24	78	72	61	21	16	15	31	362
1940*	5	8	4	14	25	47	38	47	31	41	16	21	297
Mean	16.4	8.3	5.4	13.3	28.9	55.5	72.4	59.4	31.0	28.6	22.9	22.1	†364.2

\* See NOTES, p. 21.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## KRASNOVODSK, U. S. S. R.

Lat. 40°0' N. Long. 52°59' E.  $H_b = -19.9$  m.\*PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	66.8	71.9	64.3	64.0	62.5	60.3	56.0	58.1	62.0	67.8	69.8	67.1	64.2
1932	70.8	63.9	66.8	60.9	62.2	59.8	56.3	60.8	62.9	66.7	70.2	74.1	64.6
1933	70.5	65.6	66.7	61.9	60.3	57.6	57.7	58.9	62.0	66.9	67.5	65.6	63.4
1934	73.3	65.7	67.2	64.6	63.5	59.5	56.6	58.6	64.2	68.2	70.8	68.5	65.1
1935	69.9	63.9	66.5	62.0	64.9	61.8	58.5	58.2	62.0	66.0	70.2	69.5	64.4
1936	69.2	64.4	60.2	62.5	61.2	57.7	57.4	60.2	62.0	65.2	68.4	69.0	63.9
1937	68.6	65.9	68.8	65.0	62.8	60.6	56.4	56.1	63.0	66.7	68.8	68.7	64.3
1938	65.8	64.9	65.4	61.9	61.9	60.3	58.4	58.8	62.0	66.6	67.4	68.9	63.5
1939	67.6	66.4	63.6	64.4	61.8	57.4	57.2	58.8	62.8	66.0	66.9	67.8	63.4
1940	66.0	66.9	65.4	64.9	62.8	58.4	57.8	59.8	62.8	65.4	67.9	64.9	63.6
Mean	68.8	66.0	66.4	63.2	62.4	59.3	57.2	58.8	62.6	66.6	68.8	68.4	64.0

TEMPERATURE IN DEGREES C.  $H = -7.4$  m.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.9	-1.4	8.7	11.9	18.8	25.1	30.4	27.6	25.3	16.7	8.0	2.5	14.5
1932	3.1	4.7	7.9	15.4	22.0	25.6	26.6	28.8	24.3	16.8	8.1	2.2	15.5
1933	1.7	5.4	6.4	13.5	21.0	23.3	27.7	28.6	25.2	17.2	10.6	4.8	15.4
1934	-1.0	6.5	9.1	12.5	18.9	24.1	29.4	27.8	21.9	16.6	9.0	4.4	14.9
1935	-1.1	6.1	6.9	16.3	19.7	22.4	26.7	30.6	25.5	19.0	7.7	4.9	15.4
1936	3.7	4.1	6.3	14.3	19.2	25.7	...	29.9	22.7	17.5	12.0	5.4	...
1937	2.4	3.2	6.4	13.7	19.0	23.0	30.6	31.0	26.7	18.6	9.9	6.0	15.9
1938	5.9	6.3	7.2	15.5	20.4	24.7	30.6	30.0	25.6	18.3	11.2	3.5	16.6
1939	4.2	5.8	7.8	13.7	23.0	26.6	29.3	29.4	22.6	15.2	11.3	7.6	16.4
1940	3.1	3.2	7.2	15.3	18.6	25.9	29.5	31.7	24.9	17.2	12.1	7.9	16.4
Mean	2.3	4.4	7.4	14.2	20.1	24.6	29.0	29.5	24.5	17.3	10.0	4.9	†15.7

TOTAL PRECIPITATION IN MILLIMETERS.  $H = -7.4$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9	0	5	5	2	0	1	3	0	2	19	16	62
1932	13	2	21	6	6	0	4	0	0	8	1	16	77
1933	18	11	25	9	3	1	0	0	0	14	2	7	90
1934	2	3	7	23	2	0	0	1	4	1	2	5	50
1935	7	10	21	0	0	17	17	0	0	19	11	3	105
1936	2	0	1	11	2	1	0	0	0	0	0	4	21
1937	8	5	0	5	22	0	3	0	1	0	0	7	51
1938	11	14	7	3	16	2	0	0	6	3	17	16	95
1939	4	5	12	11	1	0	4	0	3	0	22	12	74
1940	16	23	9	18	2	0	2	0	0	8	3	10	91
Mean	9.0	7.3	10.8	9.1	5.6	2.1	3.1	0.4	1.4	5.5	7.7	9.6	71.6

\* See NOTES, p. 21.

† Mean of 12 monthly means.

MALYE KARMAKULY, U. S. S. R.

Lat. 72°23' N. Long. 52°42' E. H = 15.3 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.3	60.0	53.7	66.3	57.7	55.6	55.6	58.0	51.4	47.1	62.5	49.5	56.3
1932	45.4	52.7	56.9	56.3	59.1	58.2	58.9	55.2	48.6	55.5	52.1	52.0	54.2
1933	66.5	62.7	57.4	57.3	64.0	58.6	55.2	56.3	60.9	53.4	53.3	53.9	58.3
1934	46.0	43.4	63.3	54.1	55.6	57.6	62.3	59.5	63.6	58.5	53.3	55.1	55.6
1935	49.5	46.6	54.3	65.3	56.2	57.1	56.3	58.2	52.3	62.1	60.8	61.7	56.7
1936	60.2	64.1	56.4	59.1	59.8	58.5	58.7	59.4	47.9	50.7	49.6	48.2	56.0
1937	60.1	51.0	66.0	62.6	58.8	58.0	62.2	63.7	53.9	52.8	57.1	64.3	59.2
1938	56.2	52.7	46.1	50.2	57.3	57.8	60.0	54.0	53.8	57.5	54.0	71.0	55.9
1939	51.4	47.3	58.8	52.8	60.2	56.0	53.4	57.7	52.4	54.2	54.0	50.0	54.4
1940	66.4	49.9	59.5	51.4	63.1	57.8	...	...	...	...	...	...	...
Mean	56.0	53.0	57.2	57.5	59.2	57.5	58.6	58.0	53.9	54.0	55.2	56.2	56.3

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-15.6	-5.6	-17.0	-10.3	-3.7	1.5	7.2	8.8	4.5	0.3	-3.1	-7.6	-3.4
1932	-13.9	-16.7	-17.3	-9.6	-4.3	1.0	5.7	7.3	4.9	-2.8	-8.0	-14.7	-5.7
1933	-9.3	-15.2	-20.1	-8.7	-5.9	0.5	6.8	6.2	2.6	-2.0	-13.4	-13.9	-6.0
1934	-5.7	-11.2	-11.5	-11.0	-2.9	1.7	4.6	5.5	2.5	-0.5	-1.0	-9.0	-3.5
1935	-13.6	-8.9	-14.0	-13.8	-4.6	1.4	6.2	5.4	3.0	-2.4	-3.2	-8.6	-4.4
1936	-15.6	-21.0	-15.3	-6.0	-2.9	2.6	7.1	8.4	4.2	-0.2	-2.3	-5.8	-3.9
1937	-3.6	-10.3	-16.7	-6.7	-3.2	2.3	8.4	6.9	3.0	-0.1	-3.9	-7.3	-2.6
1938	-6.0	-10.7	-10.5	-7.8	-3.2	3.2	6.8	6.2	5.0	-1.7	-6.7	-7.7	-2.8
1939	-15.0	-14.1	-10.5	-12.5	-3.9	2.0	7.4	5.1	0.3	-2.6	-3.3	-10.1	-4.8
1940	-14.7	-11.8	-17.0	-8.9	-4.1	2.5	...	...	...	...	...	...	...
Mean	-11.3	-12.6	-15.0	-9.5	-3.9	1.9	6.7	6.6	3.3	-1.3	-5.3	-9.4	-4.1

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8	3	4	1	16	58	32	16	46	26	33	8	251
1932	7	8	4	4	5	11	45	82	57	5	3	6	237
1933	2	...	3	4	6	15	30	10	47	42	13	5	...
1934	19	6	7	11	5	26	20	33	18	30	9	6	190
1935	4	...	4	2	11	13	15	...	60	23	23	8	...
1936	8	1	3	16	40	31	16	33	48	39	28	13	276
1937	6	2	1	6	10	40	9	31	32	42	12	9	200
1938	8	0	5	12	6	20	42	95	37	19	24	10	323
1939	4	6	6	5	7	25	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	7.3	3.7	4.1	6.8	11.8	26.6	26.1	42.9	49.4	28.3	18.1	8.1	*233.2

\* Sum of 12 monthly means.

## MINUSINSK (UINSINSK), U. S. S. R.

Lat. 53°42' N. Long. 91°42' E. H = 250.7 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	50.0	55.1	44.2	43.9	39.4	36.4	34.1	33.8	41.3	45.3	47.1	49.8	43.4
1932	46.4	50.3	47.6	43.0	37.7	35.4	30.0	38.9	40.2	43.6	44.4	47.7	42.1
1933	55.6	51.0	46.0	42.0	39.0	34.5	33.2	34.3	40.4	47.5	42.9	46.0	42.7
1934	50.0	49.4	48.4	43.3	39.3	36.0	33.6	37.4	40.4	47.7	47.8	45.4	43.2
1935	50.1	47.8	44.5	43.6	39.8	36.2	33.6	35.7	39.8	42.0	48.2	56.0	43.1
1936	50.1	49.2	48.0	43.1	38.0	34.6	32.8	30.4	41.2	42.9	43.9	46.7	42.2
1937	51.3	47.0	46.4	42.0	38.9	35.4	33.0	37.3	40.2	43.1	47.8	49.4	42.6
1938	54.2	45.2	44.7	42.8	37.4	...	32.0	37.4	41.5	41.7	47.2	51.7	...
1939	48.6	47.0	47.0	44.4	39.3	35.0	33.1	36.0	40.0	45.2	48.4	50.0	42.8
1940	53.1	48.5	44.8	43.3	38.4	36.0	34.9	36.5	41.7	40.8	45.9	43.7	42.3
Mean	50.9	49.0	46.2	43.1	38.7	35.5	33.0	36.4	40.7	44.0	46.4	48.6	†42.7

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-21.1	-26.9	-11.1	1.9	7.8	18.9	18.1	18.7	9.7	3.7	-11.5	-19.4	-0.9
1932	-13.4	-22.2	-8.5	4.0	8.5	15.6	22.5	14.7	11.1	5.0	-4.8	-12.2	1.7
1933	-28.0	-27.0	-16.2	3.5	9.4	16.1	20.1	18.3	8.2	-1.0	-7.2	-17.0	-1.7
1934	-17.1	-20.1	-14.8	-1.8	10.4	16.5	16.8	15.9	6.9	-0.4	-8.1	-14.7	-0.9
1935	-21.2	-17.9	-6.4	-0.2	9.6	17.7	20.6	15.8	10.3	1.7	-12.6	-26.2	-0.7
1936	-21.4	-22.4	-12.0	-2.4	8.4	14.4	19.0	14.8	9.6	4.2	-4.4	-12.4	-0.4
1937	-22.6	-18.0	-16.2	-3.0	10.8	16.8	18.8	15.0	9.2	3.0	-9.6	-21.7	-1.5
1938	-26.0	-15.1	-10.2	5.4	10.3	16.0	19.6	15.9	7.0	2.8	-3.4	-23.8	-0.1
1939	-18.4	-17.3	-10.1	5.0	10.0	18.6	20.1	17.8	10.9	-0.4	-11.8	-14.1	0.9
1940	-29.4	-16.7	-6.7	5.4	10.8	17.9	18.6	17.7	8.7	1.4	-10.8	-15.4	0.1
Mean	-21.9	-20.4	-11.2	1.8	9.6	16.8	19.4	16.5	9.2	2.0	-8.4	-17.7	-0.4

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	13	8	6	13	20	29	26	20	24	23	13	5	200
1932	10	5	2	10	30	67	65	29	48	15	7	1	289
1933	2	12	19	11	21	62	27	83	60	16	10	9	332
1934	9	3	1	18	11	99	95	36	61	16	5	8	362
1935	6	7	4	22	72	59	34	65	22	21	9	7	328
1936	7	12	10	17	52	71	137	58	66	29	21	13	493
1937	10	8	21	20	34	74	59	44	61	6	43	20	400
1938	11	6	1	21	45	90	74	54	48	14	6	22	392
1939	8	14	2	17	32	48	67	31	45	14	11	15	299
1940	11	6	21	16	34	22	57	27	56	4	22	17	293
Mean	8.7	8.1	8.7	16.5	35.1	61.6	64.1	44.7	49.1	15.8	14.7	11.7	338.8

\* See NOTES, p. 21.

† Mean of 12 monthly means.

NARYN, U. S. S. R.

Lat. 41°26' N. Long. 76°0' E. H = 2,020 m.?

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time mm.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	595.9	595.2	597.2	596.1	595.3	595.9	594.1	595.0	597.7	599.5	599.0	597.9	596.6
1932	598.6	596.9	597.8	596.2	596.2	596.1	593.6	596.4	596.9	599.2	599.2	599.0	597.2
1933	598.7	596.3	595.1	595.2	596.5	594.5	595.1	595.5	597.2	599.1	599.5	596.3	596.6
1934	598.3	597.8	597.4	595.5	595.4	595.9	594.7	595.7	597.7	599.9	600.2	597.2	597.1
1935	597.0	596.9	596.0	595.6	598.0	595.6	595.3	596.0	598.5	599.9	599.9	601.0	597.5
1936	600.6	596.2	599.0	596.3	597.2	596.0	595.2	596.3	597.8	600.8	601.7	598.5	598.0
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	598.1	596.0	595.7	597.7	597.4	595.9	595.2	596.4	...	...	599.2	598.6	...
1939	598.3	596.7	595.9	596.8	597.5	596.9	595.0	596.0	598.6	599.6	600.4	601.4	597.8
1940	597.8	597.8	...	...	...	...	...	...	...	...	...	...	...
Mean	598.1	596.6	596.8	596.2	596.7	595.8	594.8	595.9	597.8	599.7	599.9	598.7	597.3

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-16.2	-18.5	- 6.4	7.6	9.5	12.9	14.7	16.4	14.0	6.3	-4.6	-13.5	1.8
1932	-14.9	-17.3	- 1.8	8.6	10.4	14.0	18.1	14.5	11.9	3.8	-4.2	-15.4	2.3
1933	-20.9	-14.2	- 6.6	6.7	11.9	14.0	17.5	18.8	12.9	4.5	-3.3	-11.6	2.5
1934	-25.6	-14.8	- 9.9	3.8	8.4	13.8	14.4	14.4	8.7	3.7	-2.9	- 9.7	0.4
1935	-19.6	-14.3	- 3.5	4.2	10.1	13.8	16.6	17.9	10.4	5.3	-6.0	-20.1	1.2
1936	-25.7	-15.2	-10.8	4.4	12.0	14.5	16.5	15.2	13.2	6.8	-3.8	-13.0	1.2
1937	-18.4	-11.6	- 5.6	4.6	11.2	13.5	16.4	16.1	12.0	4.8	-9.9	-13.4	1.6
1938	-15.9	-12.6	- 8.3	8.9	13.9	13.7	17.4	16.6	...	...	-2.5	-11.0	...
1939	-17.0	-15.3	- 7.8	4.4	13.2	14.2	18.3	18.5	13.1	5.8	-2.9	- 7.8	3.1
1940	-10.7	- 8.9	- 0.2	8.0	11.0	15.2	16.1	15.5	11.1	7.2	-4.7	- 9.9	4.1
Mean	-18.5	-14.3	- 6.1	6.1	11.2	14.0	16.6	16.4	11.9	5.4	-4.5	-12.5	*2.1

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	26	12	17	27	56	49	48	28	0	15	7	7	292
1932	18	4	9	31	39	30	44	34	13	20	6	10	258
1933	6	20	21	13	42	55	36	10	9	33	10	22	277
1934	8	22	11	35	95	36	39	38	15	6	13	11	329
1935	7	7	23	15	45	35	21	1	27	13	34	30	263
1936	1	18	9	34	58	58	24	21	7	9	1	6	248
1937	22	7	12	30	103	51	16	22	21	8	10	8	310
1938	14	6	20	4	37	33	14	20	9	...	1	7	...
1939	13	9	13	30	22	27	39	0	9	4	11	2	134
1940	8	14	13	16	59	85	66	17	13	50	7	5	353
Mean	12.3	11.9	15.3	23.5	55.6	45.9	34.7	19.1	12.3	17.6	10.0	10.3	†269.5

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## NERCHINSKY ZAVOD, U. S. S. R.

Lat. 51°19' N. Long. 119°37' E. H = 620 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
mm.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	713.6	710.3	705.7	703.7	702.8	700.7	702.1	701.9	705.8	707.0	705.3	708.6	705.6
1935	709.7	707.2	705.6	702.3	699.7	701.2	700.0	701.6	705.2	...	710.8	708.4	...
1936	710.0	710.6	710.3	703.0	700.2	698.2	699.6	702.0	705.6	704.7	706.8	707.3	704.9
1937	709.8	709.3	707.6	702.6	702.5	702.5	698.3	703.8	703.8	705.8	706.4	705.6	704.8
1938	710.0	707.8	706.7	701.5	699.4	699.3	700.0	703.8	706.0	705.9	710.4	709.2	705.0
1939	710.7	712.1	706.5	705.6	701.3	698.9	701.8	703.9	706.0	708.0	706.4	709.7	705.9
1940	709.9	711.1	706.8	701.2	700.2	700.7	699.1	703.8	705.8	705.4	706.9	708.8	705.0
Mean	710.5	709.8	707.0	702.8	700.9	700.2	700.1	703.0	705.5	706.1	707.6	708.2	*705.1

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	-30.7	-18.4	-13.5	-1.3	11.2	15.3	17.5	15.6	8.4	-0.4	-12.8	-20.8	-2.5
1935	-23.8	-16.7	-10.2	-1.4	7.6	15.2	19.6	16.3	9.3	...	-20.8	-29.1	...
1936	-34.4	-27.8	-16.7	-0.3	8.3	15.1	17.6	15.3	9.1	-1.9	-19.4	-27.0	-5.2
1937	...	-25.0	-21.5	-1.7	8.5	17.1	18.5	15.9	7.3	-0.2	-14.8	-26.3	...
1938	-28.6	-23.8	-8.4	3.4	9.2	16.9	19.0	15.7	7.9	0.2	-13.2	-29.2	-2.6
1939	-30.8	-21.4	-11.1	3.2	9.4	15.6	20.8	17.0	9.3	-3.0	-16.5	-23.4	-2.6
1940	-29.2	-25.6	-12.8	-0.1	8.9	16.2	18.0	14.4	8.6	-1.5	-16.0	-24.0	-3.6
Mean	-29.6	-22.7	-13.5	0.3	9.0	15.9	18.7	15.7	8.6	-1.1	-16.2	-25.7	*-3.4

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	1	1	8	14	67	50	151	90	39	13	4	2	440
1935	1	3	1	25	21	15	96	46	12	...	7	4	...
1936	3	6	1	27	32	37	144	36	66	20	21	5	398
1937	2	1	1	12	17	55	112	118	47	3	3	2	373
1938	6	7	2	8	34	51	82	95	12	3	8	2	310
1939	3	0	16	10	26	76	58	128	33	23	10	5	388
1940	4	6	8	5	8	68	197	59	39	5	15	6	420
Mean	2.9	3.4	5.3	14.4	29.3	50.3	120.0	81.7	35.4	11.2	9.7	3.7	†367.3

\* Mean of 12 monthly means.

† Sum of 12 monthly means.



## NIKOLAYEVSK ON AMUR, U. S. S. R.

Lat. 53°8' N. Long. 140°45' E. H<sub>b</sub> = 42.2 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, 1931–April 1936;  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time, May 1936–1940  
700 mm. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	59.3	58.7	54.0	54.6	55.9	54.5	53.5	54.0	54.7	55.3	56.2	55.9	55.6
1932	56.0	62.8	55.0	51.4	53.4	54.5	53.7	53.6	59.3	55.1	54.8	57.9	55.6
1933	60.1	57.4	56.8	52.8	53.0	52.1	51.6	52.4	55.7	56.8	55.9	56.3	55.1
1934	61.0	54.4	53.8	54.8	56.2	63.0	55.0	52.4	56.7	54.2	50.8	56.9	55.8
1935	56.9	55.7	55.6	57.3	...	...	50.5	53.3	54.8	57.2	58.8	54.9	...
1936	57.5	59.6	59.7	53.8	55.0	49.1	52.1	51.4	55.5	51.8	53.7	55.1	54.5
1937	56.5	59.3	55.9	51.5	52.8	54.4	49.6	51.9	53.4	53.6	53.2	51.4	53.6
1938	57.8	55.1	56.1	50.5	52.0	50.8	50.9	53.1	55.9	54.7	58.1	56.6	54.3
1939	60.8	59.5	55.0	54.8	53.8	51.5	50.2	52.1	54.3	55.5	51.2	55.2	54.5
1940	56.0	59.7	55.4	52.3	49.9	53.1	50.8	51.8	54.3	52.7	54.8	56.2	53.9
Mean	58.2	58.2	55.7	53.4	53.6	53.7	51.8	52.6	55.5	54.7	54.8	55.6	†54.8

## TEMPERATURE IN DEGREES C. H = 37.9 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours 1931–April 1936;  
 $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time, May 1936–1940

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-32.8	-26.9	-12.9	-7.3	0.3	11.1	15.1	14.9	11.5	2.5	-11.0	-20.8	-4.7
1932	-20.6	-19.9	-13.2	-4.9	1.1	11.5	16.3	14.1	10.8	2.7	-8.7	-18.7	-2.5
1933	-26.7	-21.0	-15.8	-3.2	4.4	13.3	17.0	16.9	11.9	3.2	-9.4	-15.6	-2.1
1934	-17.0	-15.6	-12.0	-4.5	4.6	14.1	14.9	16.0	10.9	1.1	-8.2	-19.2	-1.2
1935	-25.0	-18.9	-13.9	-3.7	2.6	11.9	18.4	15.5	11.5	5.4	-9.7	-21.0	-2.2
1936	-21.0	-16.4	-14.3	-2.3	4.4	13.6	16.3	16.8	12.3	3.8	-8.8	-20.5	-1.3
1937	-24.9	-21.0	-13.9	-2.7	2.1	11.2	17.2	15.0	11.0	2.5	-9.9	-20.8	-2.8
1938	-24.9	-18.1	-12.9	-2.3	4.5	12.9	19.2	18.3	9.6	1.7	-7.9	-23.8	-2.0
1939	-24.6	-19.9	-8.5	-2.7	6.1	12.1	18.1	17.0	11.6	1.0	-9.6	-20.3	-1.6
1940	-19.1	-20.2	-11.8	-4.4	3.3	9.6	15.4	16.3	9.3	0.0	-12.2	-16.0	-2.5
Mean	-23.7	-19.8	-12.9	-3.8	3.3	12.1	16.8	16.1	11.0	2.4	-9.5	-19.7	-2.3

## TOTAL PRECIPITATION IN MILLIMETERS. H = 37.9 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2	10	18	13	37	21	7	130	85	143	19	5	490
1932	18	6	16	31	57	36	16	99	40	49	26	14	408
1933	9	41	8	85	51	33	44	135	40	55	66	27	594
1934	20	19	35	39	12	18	5	58	77	106	109	101	599
1935	6	3	23	25	40	42	35	77	49	15	11	13	339
1936	59	12	17	31	24	51	62	117	108	65	49	18	613
1937	5	5	21	38	43	13	71	69	...	42	59	44	...
1938	7	15	3	29	62	46	119	67	39	72	13	37	509
1939	20	4	45	21	41	29	74	97	66	44	64	9	514
1940	45	11	41	20	46	53	134	115	36	50	23	43	617
Mean	19.1	12.6	22.7	33.2	41.3	34.2	56.7	96.4	60.0	64.1	43.9	33.1	†517.3

\* See NOTES, p. 22.

† Mean of 12 monthly means.

‡ Sum 12 monthly means.

## NOVO-MARIINSKY POST, U. S. S. R.

Lat. 64°45' N. Long. 177°33' E. H<sub>s</sub> = 23 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.8	59.3	63.3	54.2	59.8	58.3	...	...	...	53.7	55.2	49.2	...
1932	59.5	67.2	61.0	57.2	59.6	58.5	54.4	56.4	53.1	56.3	62.5	56.0	<b>58.5</b>
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TEMPERATURE IN DEGREES C. H = 17.8 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-28.2	-29.9	-16.5	-13.3	-4.5	3.5	...	...	...	-7.5	-15.9	-19.7	...
1932	-28.2	-23.5	-13.6	-12.1	-5.7	4.0	11.4	9.7	2.1	-4.9	-13.3	-20.6	<b>-7.9</b>
1933	-27.8	-22.2	-17.7	-14.5	-3.0	3.2	10.7	8.5	3.4	-3.1	-14.6	-12.4	<b>-7.5</b>
1934	-25.7	-19.5	-18.9	-16.2	-4.0	5.1	10.6	9.7	...	-5.9	...	-9.8	...
1936	-18.8	-22.4	-15.0	-11.8	-6.2	6.1	...	9.9	6.6	-5.1	-13.5	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TOTAL PRECIPITATION IN MILLIMETERS. H = 17.8 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3	0	1	3	3	11	...	...	...	18	10	32	...
1932	7	11	34	9	6	10	36	13	30	28	3	4	<b>191</b>
1933	1	4	7	2	5	17	30	51	9	10	1	13	<b>150</b>
1934	2	4	...	...	...	...	...	...	...	3	...	...	...
1935	7	4	...	10	...	10	...	33	41	19	8	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 22.

OKHOTSK, U. S. S. R.

Lat. 59°21' N. Long. 143°17' E. H = 5.7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.3	61.1	57.9	58.2	61.3	60.5	58.2	54.1	59.6	58.1	56.3	55.4	58.4
1932	59.6	65.3	59.0	57.3	59.3	59.7	57.8	58.0	61.2	58.4	57.9	58.6	59.3
1933	61.4	63.4	59.2	57.7	58.5	55.6	57.3	56.8	61.3	59.6	57.5	59.7	59.0
1934	65.2	57.5	59.8	55.5	60.5	55.1	59.4	57.6	61.1	56.8	56.2	56.7	58.4
1935	57.5	56.9	59.1	64.8	62.3	58.7	55.5	58.9	59.4	60.7	61.3	55.2	59.2
1936	64.0	63.6	62.8	58.3	60.4	55.2	58.8	58.8	61.1	58.6	59.1	57.5	59.8
1937	56.3	60.8	59.2	55.4	59.6	58.2	55.8	55.4	59.2	57.8	56.8	55.9	57.5
1938	59.2	58.2	58.5	56.1	58.2	57.4	56.8	57.5	59.0	58.6	60.1	57.6	58.1
1939	63.7	60.8	61.0	56.4	...	59.4	62.3	55.3	57.3	...	54.1	55.1	...
1940	61.0	61.5	59.5	56.1	55.4	57.9	55.2	54.6	56.4	55.4	55.3	59.8	57.3
Mean	60.8	60.9	59.8	57.6	59.5	57.8	56.7	56.7	59.6	58.2	57.5	57.2	*58.5

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-30.2	-24.2	-12.4	-11.0	-0.7	3.1	11.2	12.8	8.4	-1.7	-15.3	-24.3	-7.0
1932	-25.0	-17.9	-11.9	- 5.4	-0.5	5.1	10.0	12.2	8.4	-1.9	-12.3	-22.7	-5.2
1933	-26.9	-20.7	-13.3	- 6.5	0.8	6.5	10.1	12.9	10.0	0.7	- 8.8	-16.6	-4.3
1934	-19.0	-17.2	-12.8	- 5.9	2.6	9.0	13.2	13.1	7.6	-2.9	-11.2	-20.5	-3.7
1935	-24.0	-24.6	-17.3	- 5.3	-0.3	4.9	12.2	12.4	8.8	0.9	-12.8	-18.1	-5.3
1936	-21.6	-13.6	-16.7	- 2.9	2.0	8.1	12.0	13.9	10.1	1.0	- 8.7	-21.2	-3.1
1937	-23.5	-21.7	-12.2	- 5.2	2.0	7.2	11.9	12.6	7.8	-1.0	-13.8	-14.7	-4.2
1938	-22.4	-15.8	-16.7	- 4.0	1.1	6.9	11.6	13.3	9.1	-3.0	-12.2	-23.5	-4.6
1939	-24.6	-19.4	- 8.7	- 4.8	2.2	5.3	12.4	13.5	9.2	1.7	-11.0	-21.8	-3.8
1940	-14.8	-19.3	-13.9	- 6.0	2.2	4.3	10.5	11.2	6.4	-4.0	-16.7	-21.2	-5.1
Mean	-23.2	-19.4	-13.6	- 5.7	1.1	6.0	11.5	12.8	8.6	-1.0	-12.3	-20.5	-4.6

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1	1	23	4	3	57	24	127	78	4	6	1	329
1932	6	5	3	2	14	36	33	5	17	12	31	1	165
1933	0	2	5	11	38	58	61	21	15	1	9	30	251
1934	8	1	3	29	10	44	20	35	51	5	12	2	220
1935	1	0	0	9	66	6	14	35	47	85	10	2	275
1936	4	1	0	2	3	18	81	137	223	46	48	1	564
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	1	3	2	4	18	82	10	34	6	16	3	0	179
1939	0	0	1	4	28	54	21	38	85	47	5	0	283
1940	16	0	1	...	52	56	23	85	27	16	0	2	...
Mean	4.1	1.4	4.3	7.2	25.8	45.7	31.9	57.4	61.0	25.8	13.8	4.3	†282.7

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## OLEKMINSK, U. S. S. R.

Lat. 60°22' N. Long. 120°24' E.  $H_b = 152$  m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.6	57.1	46.7	47.9	46.8	41.9	42.2	43.7	47.5	52.6	52.0	54.2	49.1
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	54.0	49.1	51.2	48.6	44.1	44.2	41.3	41.7	47.7	49.6	55.7	56.8	48.7
1936	60.8	61.0	56.2	49.4	44.6	40.0	41.8	43.4	50.4	48.9	54.0	51.7	50.3
1937	53.7	54.5	56.5	45.6	46.2	43.6	39.2	44.1	45.8	47.5	52.2	56.1	48.8
1938	57.2	54.9	49.4	45.0	43.6	41.2	41.3	45.6	48.4	49.2	58.4	56.2	49.2
1939	57.6	56.0	54.0	49.2	46.7	43.9	43.1	45.9	49.5	52.5	52.9	51.3	50.2
1940	66.0	57.7	53.0	44.8	46.0	43.6	41.8	45.7	48.6	48.7	53.0	54.8	50.3
Mean	58.0	55.8	52.4	47.2	45.4	42.6	41.5	44.3	48.3	49.9	54.2	54.4	†49.5

## TEMPERATURE IN DEGREES C. H = 148 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-39.9	-35.3	-16.8	-7.5	7.3	15.7	18.1	13.9	9.5	-2.0	-15.1	-21.0	-6.1
1932	-24.1	-27.0	-16.3	-4.9	6.1	15.1	21.3	15.1	9.3	-2.4	-25.7	-25.0	-4.9
1933	-30.1	-33.5	-21.7	-7.0	4.1	15.9	17.2	16.2	7.6	-0.6	-19.5	-20.9	-6.8
1934	-29.9	-16.2	-18.5	-6.0	7.1	16.1	20.4	15.2	6.4	-3.6	-21.3	-27.3	-4.8
1935	-29.1	-17.8	-20.1	-5.9	6.0	13.8	19.3	14.8	6.7	-6.8	-26.7	-29.7	-6.3
1936	-38.3	-32.0	-20.0	-2.6	8.2	14.3	21.1	16.4	8.2	-5.1	-26.1	-24.6	-6.7
1937	-25.6	-25.2	-26.3	-4.6	8.2	17.9	19.9	14.5	7.0	-4.3	-21.1	-35.9	-6.3
1938	-30.0	-30.4	-13.0	-2.2	7.2	15.1	18.7	15.6	8.6	-5.3	-18.6	-32.1	-5.5
1939	-37.4	-22.2	-18.6	-1.6	6.0	16.0	18.1	16.5	8.1	-5.0	-21.6	-22.7	-5.4
1940	-37.6	-29.6	-17.6	-3.7	5.8	15.6	18.6	13.7	5.4	-7.8	-25.8	-32.4	-8.0
Mean	-32.2	-26.9	-18.9	-4.6	6.6	15.6	19.3	15.2	7.7	-4.3	-22.2	-28.1	-6.1

## TOTAL PRECIPITATION IN MILLIMETERS. H = 148 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	12	10	10	6	0	25	55	44	16	9	17	10	214
1932	...	...	...	...	...	...	...	30	34	26	15	21	...
1933	15	12	6	22	28	32	77	51	...	...	...	...	...
1934	14	8	8	5	32	19	18	50	6	39	18	12	229
1935	10	12	9	10	14	18	74	48	10	23	7	12	247
1936	9	10	5	1	15	42	19	59	19	12	6	9	206
1937	15	6	1	1	8	26	34	46	76	20	15	11	259
1938	12	11	4	17	20	35	87	68	22	15	2	4	297
1939	6	5	2	8	51	16	20	64	23	16	8	8	239
1940	1	1	8	15	17	46	77	56	47	17	11	11	307
Mean	10.4	8.3	5.9	9.4	20.9	28.8	52.2	51.6	28.1	19.7	11.0	10.9	†257.2

\* See NOTES, p. 22.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## OMSK, U. S. S. R.

Lat. 55°1' N. Long. 73°20' E.  $H_b = 87.3$  m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	64.3	73.1	55.5	61.3	54.3	50.3	50.6	47.2	53.9	55.3	59.8	57.1	56.9
1932	56.3	58.5	60.2	58.0	51.1	50.7	43.4	55.5	53.4	54.7	56.5	56.3	54.6
1933	69.2	65.3	54.6	56.4	53.4	49.7	47.7	46.3	56.2	59.5	53.6	55.5	55.6
1934	61.3	56.9	62.8	65.9	53.1	48.5	49.2	52.8	52.3	59.2	62.4	57.1	56.0
1935	60.6	58.6	56.5	57.5	54.1	49.6	47.6	49.3	51.1	57.2	63.3	69.5	56.2
1936	61.1	61.2	58.3	59.1	53.0	49.9	48.8	51.8	52.5	54.8	57.8	57.9	55.5
1937	64.8	60.8	60.6	55.9	50.7	49.4	47.2	54.0	53.4	56.9	62.6	63.2	56.6
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	62.5	62.1	58.4	57.7	52.8	49.7	47.8	51.0	53.3	56.8	59.4	59.5	55.9

TEMPERATURE IN DEGREES C.  $H = 104.8$  m.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours; from 1936  
 $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-21.3	-24.0	-11.2	1.9	10.4	21.1	20.6	18.0	12.2	4.2	-9.2	-15.8	0.6
1932	-13.0	-15.1	-9.6	5.5	10.2	16.3	19.2	16.0	11.2	5.9	-7.5	-15.2	2.0
1933	-23.0	-24.2	-12.2	3.5	9.9	15.2	20.4	17.2	8.3	2.3	-8.0	-19.2	-0.8
1934	-17.0	-12.1	-13.6	-4.5	11.4	16.8	14.6	16.4	6.6	3.4	-4.9	-16.8	0.0
1935	-20.5	-12.2	-11.1	1.4	12.4	17.5	19.2	17.3	11.5	2.6	-12.5	-19.7	0.5
1936	-16.9	-15.4	-11.4	-0.6	9.4	17.8	18.4	14.8	11.5	4.9	-3.5	-10.5	1.5
1937	-16.4	-19.2	-13.7	0.2	10.1	17.6	19.4	15.2	11.6	4.0	-7.8	-19.1	0.2
1938	-23.0	-14.2	-10.8	6.4	12.9	15.9	17.2	16.7	9.3	1.5	-3.1	-22.0	0.6
1939	-20.8	-12.4	-10.1	6.0	10.7	18.3	18.6	14.0	10.4	0.9	-8.3	-11.8	1.3
1940	-26.1	-16.7	-6.7	6.3	8.6	17.4	22.1	17.7	11.0	-1.5	-6.5	-16.0	0.8
Mean	-19.8	-16.6	-11.0	2.6	10.6	17.4	19.0	16.3	10.4	2.8	-7.1	-16.6	0.7

TOTAL PRECIPITATION IN MILLIMETERS.  $H = 104.8$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6	1	9	7	7	41	32	63	19	58	16'	8	267
1932	14	4	9	16	32	72	63	82	17	17	13	9	343
1933	6	4	6	32	25	45	101	20	26	11	22	21	319
1934	5	8	8	12	15	101	70	15	50	8	10	13	315
1935	6	9	11	22	13	50	40	25	28	26	10	5	245
1936	6	11	10	10	6	26	42	50	9	14	33	11	223
1937	7	6	12	12	22	115	30	38	19	6	12	16	295
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	7.1	6.1	9.3	15.9	17.1	64.3	54.0	41.9	24.0	20.0	16.6	11.9	238.2

\* See NOTES, p. 22.

## PETROPAVLOVSK (LIGHTHOUSE), U. S. S. R.

Lat. 52°53' N. Long. 158°43' E. H<sub>s</sub> = 87 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+19^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	41.2	42.3	45.9	45.4	51.5	53.2	52.5	47.9	51.4	47.8	44.8	43.1	47.2
1932	48.5	47.3	43.2	45.8	49.7	52.9	50.9	49.1	51.9	47.3	...	40.3	...
1933	47.3	44.6	44.8	48.4	50.1	47.5	50.9	49.6	50.5	47.9	45.3	45.5	47.7
1934	47.4	36.7	42.2	44.7	51.9	48.0	49.8	49.0	49.9	48.7	42.0	39.7	45.8
1935	38.3	42.8	43.5	53.8	53.5	50.4	47.0	52.1	50.4	54.3	49.2	37.5	47.7
1936	43.2	42.0	48.2	43.0	49.6	48.8	50.6	52.2	51.4	46.5	47.0	43.8	47.2
1937	40.9	46.8	41.7	48.2	48.2	49.8	49.1	46.7	52.1	48.0	44.2	...	...
1938	42.6	42.7	44.6	41.8	48.6	49.4	50.5	49.4	50.2	47.8	47.4	39.0	46.2
1939	44.8	42.1	47.5	45.9	52.8	55.4	46.2	48.6	51.2	48.2	45.1	42.9	47.6
1940	40.7	43.3	45.6	46.5	49.4	51.2	48.3	50.2	47.8	45.9	42.6	44.3	46.3
Mean	43.5	43.1	44.7	46.4	50.5	50.7	49.6	49.5	50.7	48.2	45.3	41.8	†47.0

## TEMPERATURE IN DEGREES C. H = 113 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-12.1	-12.2	-6.2	-3.0	1.4	5.1	8.7	10.8	8.8	3.4	-4.7	-9.6	-0.8
1932	-14.0	-10.1	-6.1	-3.3	0.3	5.2	9.6	10.1	8.6	4.5	...	-7.0	...
1933	-13.3	-10.1	-6.0	-2.9	2.5	4.5	10.5	13.0	9.8	4.8	-1.7	-1.4	0.3
1934	-5.3	-5.9	-3.3	-2.1	2.2	8.5	8.2	11.3	9.5	4.7	0.0	-5.9	1.8
1935	-6.8	-8.8	-6.9	-2.1	1.0	6.9	11.0	11.1	9.8	6.0	-0.1	-5.8	1.3
1936	-8.9	-4.0	-6.5	-0.9	2.8	8.4	11.4	12.7	10.1	4.9	-0.1	-8.2	1.8
1937	-9.2	-9.1	-4.9	-1.0	2.0	6.2	11.6	10.8	9.7	5.4	-2.5	...	...
1938	-8.0	-4.2	-7.0	-0.6	4.0	7.4	12.1	13.2	10.2	3.7	-2.8	-9.8	1.5
1939	-9.0	-8.8	-3.2	-1.7	3.6	5.6	11.9	11.4	10.2	5.2	-2.4	-9.1	1.1
1940	-4.9	-7.1	-4.2	-2.5	2.3	5.8	10.5	14.3	7.8	4.0	-3.3	-6.8	1.3
Mean	-9.2	-8.0	-5.4	-2.0	2.2	6.4	10.6	11.9	9.4	4.7	-2.0	-7.1	†1.0

## TOTAL PRECIPITATION IN MILLIMETERS. H = 113 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	44	57	24	90	33	9	110	85	83	29	5	62	631
1932	12	46	103	88	32	57	34	113	73	68	...	32	...
1933	22	77	48	20	...	67	74	83	74	54	82	115	...
1934	49	10	54	52	24	5	17	94	35	22	91	38	491
1935	63	14	58	103	17	15	13	52	67	131	12	17	562
1936	74	25	58	75	9	40	78	114	74	167	53	63	830
1937	33	57	...	55	77	26	76	50	59	67	...	...	...
1938	...	...	65	7	27	102	35	52	120	106	22	2	...
1939	...	...	...	...	53	13	72	116	55	184	...	...	...
1940	7	2	4	24	98	109	58	112	90	120	23	16	663
Mean	38.0	38.0	51.8	64.3	41.1	44.3	56.7	87.1	73.0	94.8	41.1	43.1	†671.3

\* See Notes, p. 23.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## SURGUT, U. S. S. R.

Lat. 61°15' N. Long. 73°24' E. H<sub>b</sub> = 48 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	58.4	54.8	64.8	55.7	54.7	52.0	53.9	56.1	53.3	58.2	59.9	54.8	56.4
1935	58.2	58.5	57.8	59.9	55.5	53.1	52.0	51.1	51.6	58.5	62.3	70.5	57.4
1936	62.6	63.8	58.8	62.2	54.7	54.8	53.4	55.6	51.9	55.0	56.5	56.3	57.1
1937	67.0	61.2	65.2	58.7	53.1	55.3	50.8	58.2	54.5	55.9	63.6	67.3	59.2
1938	70.3	56.0	52.7	54.2	...	50.9	53.2	55.3	57.4	53.8	57.4	73.0	...
1939	57.2	52.8	60.0	55.4	55.3	52.8	...	52.6	50.5	54.9	62.3	58.1	...
1940	71.5	59.1	60.3	55.7	53.3	51.2	54.3	58.1	59.7	54.2	53.3	54.7	57.1
Mean	63.6	58.0	59.1	57.6	54.7	52.8	52.8	54.2	54.4	56.0	58.5	61.5	†56.9

## TEMPERATURE IN DEGREES C. H = 39.7 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours; from 1936  
 $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-20.6	-23.1	-11.6	-4.1	2.9	14.6	16.8	16.7	9.1	1.5	-13.4	-19.6	-2.6
1932	-16.0	-16.5	-14.4	0.6	4.9	12.5	17.7	15.5	...	2.7	-14.8	-20.6	...
1933	...	...	-14.8	-2.1	2.8	10.9	18.3	13.9	5.2	1.1	-14.9	-24.5	...
1934	-15.6	-10.4	-13.6	-4.9	5.0	13.6	11.7	14.2	3.2	-0.1	-5.8	-18.9	-1.8
1935	-19.9	-11.1	-10.4	-5.3	5.7	15.0	16.7	13.3	6.5	-3.0	-13.6	-19.5	-2.1
1936	-20.4	-18.4	-16.1	-4.0	2.1	12.0	15.5	12.5	9.3	0.9	-8.0	-11.3	-2.2
1937	-17.4	-17.5	-17.5	-7.3	3.1	14.6	16.7	11.7	6.2	0.3	-11.1	-25.6	-3.6
1938	-23.4	-20.6	-11.0	1.6	...	14.7	16.2	13.5	6.9	-3.6	-7.0	-26.0	...
1939	-21.6	-13.4	-11.5	0.6	4.9	15.6	16.3	11.2	4.9	-1.0	-10.5	-14.2	-1.6
1940	-30.2	-18.9	-12.3	0.6	2.1	13.5	16.9	15.8	9.0	-6.2	-8.7	-23.4	-3.5
Mean	-20.6	-16.7	-13.3	-2.4	3.7	13.7	16.3	13.8	6.7	-0.7	-10.8	-20.4	†-2.6

## TOTAL PRECIPITATION IN MILLIMETERS. H = 39.7 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	31	3	18	23	34	29	29	40	50	55	20	25	357
1932	41	22	30	10	37	10	...	8	...	42	23	36	...
1933	...	...	42	16	26	17	28	25	26	20	19	22	...
1934	29	21	8	24	65	42	69	49	83	26	42	40	498
1935	17	29	7	23	46	39	52	186	84	79	28	31	621
1936	22	20	45	9	15	28	34	61	70	76	53	41	474
1937	16	9	6	27	67	17	67	25	86	30	19	29	398
1938	9	20	21	63	...	55	22	82	57	65	54	14	...
1939	19	38	23	42	50	45	57	68	65	68	49	48	572
1940	18	15	19	59	61	69	52	115	39	45	24	15	531
Mean	22.4	19.7	21.9	29.6	44.6	35.1	45.6	65.9	62.2	50.6	33.1	30.1	†460.8

\* See NOTES, p. 23.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## TASHKENT, U. S. S. R.

Lat. 41°20' N. Long. 69°18' E. H = 478.7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.3	26.9	22.2	20.2	18.5	15.9	11.8	14.0	18.2	24.1	25.6	23.8	20.4
1932	26.0	21.6	21.9	18.4	18.8	15.0	11.4	16.5	18.7	23.9	26.3	29.3	20.6
1933	27.0	22.0	21.6	18.5	16.9	13.5	12.7	14.5	18.4	23.2	24.0	21.9	19.5
1934	28.6	22.6	22.5	20.1	19.4	14.9	13.1	13.8	20.8	24.8	27.3	24.4	21.0
1935	25.6	21.3	22.2	19.0	19.6	16.5	13.2	13.8	19.2	22.7	26.6	26.5	20.5
1936	26.4	20.6	24.5	19.7	17.6	13.4	13.3	15.4	17.9	21.6	25.8	25.3	20.1
1937	25.0	21.1	23.1	21.1	18.8	15.4	12.1	13.2	18.6	23.6	26.6	25.7	20.4
1938	23.7	21.1	21.0	19.8	17.5	14.8	14.4	14.9	18.9	23.4	26.4	25.3	20.1
1939	24.0	21.9	21.2	21.7	18.7	14.1	11.8	15.1	19.2	23.0	24.3	25.5	20.0
1940	22.8	23.0	21.7	21.6	18.8	14.7	13.1	14.5	19.4	22.2	25.4	23.1	20.0
Mean	25.2	22.2	22.2	20.0	18.5	14.8	12.7	14.6	18.9	23.2	25.8	25.1	20.3

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-1.1	-6.1	3.6	15.4	18.4	23.9	26.6	24.8	21.5	12.0	3.7	1.3	12.4
1932	0.5	2.9	10.6	17.2	19.6	24.9	27.9	22.9	19.2	10.9	2.7	-5.3	12.8
1933	-6.2	3.0	4.6	15.5	21.6	23.5	27.9	25.6	19.0	11.9	7.5	2.6	13.0
1934	-8.1	4.5	8.8	12.0	16.1	24.6	25.6	25.1	17.0	11.6	3.5	2.5	11.9
1935	-6.4	5.0	6.7	15.2	19.8	21.6	27.1	26.1	18.0	13.5	2.6	1.1	12.5
1936	-1.4	2.8	5.0	13.8	20.1	25.5	25.6	22.5	19.5	15.7	8.0	0.4	13.1
1937	-2.8	3.3	5.9	11.2	19.3	24.8	27.9	25.2	20.0	12.0	2.9	-0.8	12.4
1938	2.0	5.2	5.8	17.0	22.7	25.1	25.6	24.5	19.3	12.0	5.5	1.2	13.8
1939	2.1	2.9	7.0	11.6	20.8	27.2	28.2	24.2	19.3	11.9	7.8	6.6	14.1
1940	1.7	4.4	6.8	16.8	19.2	26.6	27.9	24.8	19.6	14.8	7.5	5.6	14.6
Mean	-2.0	2.8	7.0	14.6	19.8	24.8	27.0	24.6	19.2	12.6	5.2	1.5	13.1

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	51	19	56	45	36	42	3	0	0	9	89	81	431
1932	77	41	53	59	46	0	2	2	0	27	70	30	407
1933	37	63	123	40	49	23	0	0	0	4	44	164	547
1934	31	66	66	122	43	5	0	8	17	3	26	72	459
1935	46	22	99	11	14	20	3	0	0	27	68	12	322
1936	8	52	73	74	28	3	16	11	0	4	3	79	351
1937	41	35	39	64	52	13	5	0	1	32	26	43	351
1938	21	63	50	21	22	1	0	0	0	10	30	43	261
1939	67	36	38	60	13	0	1	0	0	28	51	54	348
1940	48	53	52	19	57	1	9	0	5	68	11	57	330
Mean	42.7	45.0	64.9	51.5	36.0	10.8	3.9	2.1	2.3	21.2	41.8	63.5	385.7



## TCHITA, U. S. S. R.

Lat. 52°3' N. Long. 113°29' E. H<sub>b</sub> = 683.2 m.\*PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
mm.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	704.3	706.1	700.5	700.3	698.0	696.0	695.8	697.2	...	...	...	...	...
1932	...	...	...	...	694.9	694.1	...	698.1	703.1	703.2	699.9	706.1	...
1933	708.3	704.4	702.7	697.5	696.1	695.1	695.8	697.7	700.0	705.1	702.8	704.7	700.9
1934	709.2	707.1	701.9	699.7	698.3	695.6	696.4	696.7	700.5	703.4	701.8	704.4	701.2
1935	705.8	703.3	701.6	698.6	696.6	697.0	695.1	696.5	700.6	699.5	705.1	705.3	700.4
1936	706.4	706.4	705.7	699.1	694.7	693.7	694.4	696.6	700.9	701.1	702.1	703.3	700.4
1937	705.5	704.4	702.8	698.4	702.2	697.6	692.8	698.6	699.5	700.9	702.0	702.6	700.6
1938	707.2	703.5	702.4	698.9	695.6	693.9	694.8	698.1	701.1	701.0	706.7	704.6	700.6
1939	705.3	707.6	702.4	701.5	697.0	694.9	696.4	698.9	702.3	704.0	703.1	705.5	701.6
1940	707.4	706.5	702.3	698.3	697.0	695.8	694.6	698.5	700.9	701.0	702.9	704.7	700.8
Mean	705.5	705.5	702.6	699.1	697.0	695.4	695.1	697.7	701.0	702.1	702.9	704.6	†700.8

## TEMPERATURE IN DEGREES C. H = 664.6 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-27.9	-26.2	-10.8	-1.4	6.4	14.4	19.6	15.2	...	...	-13.2	...	...
1932	-20.1	-21.3	-10.3	0.7	6.9	13.9	...	...	...	...	...	...	...
1933	-27.5	-23.7	-12.3	-1.1	8.6	15.0	17.6	15.9	7.8	-0.5	-14.4	-22.1	-3.1
1934	-30.4	-18.7	-12.9	-1.0	9.8	13.8	18.0	14.3	7.3	-0.9	-12.8	-22.5	-2.0
1935	-26.1	-17.0	-9.8	-1.8	6.2	14.1	18.0	16.4	8.4	-0.3	-19.3	-25.6	-3.1
1936	-33.0	-25.6	-14.8	-1.7	7.3	14.0	18.6	15.6	8.2	-0.7	-18.4	-23.3	-4.5
1937	-28.9	-23.8	-20.4	-1.2	8.9	16.2	18.2	15.6	7.0	0.6	-11.4	-23.8	-3.6
1938	-25.5	-20.0	-6.8	3.5	8.8	17.3	18.7	15.5	7.2	-0.1	-12.4	-23.6	-1.4
1939	-25.0	-19.6	-9.6	4.4	9.5	16.3	21.3	16.8	8.6	-2.7	-12.8	-16.1	-0.7
1940	-29.0	-21.4	-7.9	0.9	9.2	16.7	17.6	15.0	8.0	-3.7	-15.8	-24.2	-2.9
Mean	-27.3	-21.7	-11.6	0.1	8.2	15.2	18.6	15.6	7.8	-1.0	-14.5	-22.6	†-2.8

## TOTAL PRECIPITATION IN MILLIMETERS. H = 664.6 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	7	1	2	1	15	45	76	83	...	...	3	...	...
1932	3	0	0	16	35	115	...	123	39	17	13	...	...
1933	1	0	2	9	34	84	45	113	39	22	4	9	362
1934	0	0	9	4	8	54	54	159	42	23	1	2	356
1935	3	2	0	1	27	74	93	22	31	8	9	1	271
1936	2	3	0	19	71	43	50	76	84	27	12	3	390
1937	1	3	2	8	7	80	113	88	26	8	2	2	340
1938	2	3	9	4	8	78	117	158	47	2	1	1	430
1939	2	2	1	0	37	50	46	88	10	10	3	2	251
1940	7	1	2	1	31	80	100	49	44	15	30	5	365
Mean	2.8	1.5	2.7	6.3	27.3	70.3	77.1	95.9	40.2	14.7	7.8	3.1	‡349.7

\* See NOTES, p. 23.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## TOBOLSK, U. S. S. R.

Lat. 58°12' N. Long. 68°14' E. H<sub>b</sub> = 100 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.8	71.8	51.3	59.8	52.9	48.1	51.0	46.7	51.2	51.6	57.6	51.8	54.6
1932	50.8	53.2	56.0	56.3	48.9	49.1	44.0	54.9	51.5	50.9	53.4	52.3	51.8
1933	68.1	63.9	50.0	54.2	51.9	49.4	47.9	44.0	55.0	56.4	50.8	52.3	53.7
1934	56.8	50.3	60.3	53.0	51.6	47.5	50.7	52.2	50.5	56.0	59.3	53.4	53.5
1935	56.0	54.9	54.3	54.7	52.6	49.5	47.1	48.6	48.7	55.4	61.5	67.2	54.2
1936	58.2	58.9	54.7	57.4	52.4	51.0	50.0	52.6	49.3	51.8	54.4	54.2	53.7
1937	63.6	57.8	60.0	55.0	49.6	51.6	47.0	54.7	52.8	54.8	61.2	62.2	55.9
1938	64.8	51.9	49.2	51.8	50.0	47.1	48.6	52.0	55.3	52.2	53.6	68.2	53.7
1939	55.8	50.0	56.6	52.2	52.0	49.9	48.9	50.2	48.0	52.1	58.1	55.4	52.4
1940	63.9	57.0	55.1	53.9	49.9	46.9	49.2	54.7	56.0	51.4	50.7	50.0	53.2
Mean	59.9	57.0	54.8	54.8	51.2	49.0	48.4	51.1	51.8	53.3	56.1	56.7	53.7

## TEMPERATURE IN DEGREES C. H = 101.4 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours; from 1936  
 $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-17.7	-19.7	-7.6	1.9	9.0	18.0	19.4	17.0	10.9	2.6	-9.3	-15.4	0.8
1932	-12.4	-14.7	-9.0	4.4	8.1	14.7	18.4	16.7	10.5	3.9	-9.0	-16.8	1.2
1933	-20.5	-20.1	-11.8	3.0	8.0	14.3	19.8	15.0	7.8	2.0	-9.9	-20.6	-1.1
1934	-13.8	-10.0	-9.8	-1.3	10.7	15.2	14.0	16.4	5.7	2.2	-3.6	-14.6	0.9
1935	-16.7	-9.7	-7.4	2.2	8.9	16.9	17.2	15.8	9.4	1.4	-10.9	-16.5	0.9
1936	-15.6	-13.7	-9.3	0.3	6.9	16.4	18.0	15.7	10.7	2.9	-3.5	-9.4	1.6
1937	-16.5	-14.6	-11.9	-1.1	6.6	17.2	18.1	14.0	8.7	2.8	-8.4	-21.0	-0.5
1938	-20.1	-15.9	-9.5	5.3	10.7	16.2	16.4	16.3	9.5	-0.4	-5.3	-22.0	0.1
1939	-20.0	-11.9	-7.6	3.4	9.1	17.4	18.0	12.5	7.6	0.0	-7.3	-12.5	0.7
1940	-25.6	-16.6	-7.7	4.8	5.5	15.7	18.9	17.5	11.2	-3.6	-6.0	-18.2	-0.3
Mean	-17.9	-14.7	-9.2	2.3	8.4	16.2	17.8	15.7	9.2	1.4	-7.3	-16.7	0.4

## TOTAL PRECIPITATION IN MILLIMETERS. H = 101.4 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8	3	6	27	35	32	30	54	87	58	16	18	374
1932	30	14	19	16	112	53	79	34	30	50	24	22	433
1933	5	4	11	13	30	13	34	79	24	17	30	16	276
1934	19	8	3	33	31	111	33	50	71	51	6	26	442
1935	10	17	3	29	53	16	97	47	93	25	22	8	420
1936	12	11	32	7	26	6	16	9	48	63	37	31	298
1937	13	6	13	17	48	30	104	66	54	26	12	20	409
1938	6	22	18	47	69	37	118	53	13	59	54	19	515
1939	10	34	7	33	26	84	62	64	53	39	27	20	464
1940	14	14	30	27	61	85	132	37	27	60	31	21	539
Mean	12.7	13.3	14.2	25.4	49.1	46.7	70.5	49.3	50.0	44.8	25.9	20.1	422.0

\* See NOTES, p. 23.

## TOMSK, U. S. S. R.

Lat. 56°26' N. Long. 84°58' E. H<sub>0</sub> = 123.3 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.7	67.1	52.2	55.7	50.6	47.5	47.2	45.7	51.4	54.0	56.8	58.0	53.9
1932	54.6	59.8	57.6	54.8	47.4	45.9	40.6	51.2	50.7	52.1	53.7	54.8	51.9
1933	67.3	62.8	54.4	53.5	49.8	46.0	44.0	43.4	49.6	55.9	49.7	54.3	52.6
1934	58.1	57.4	58.1	...	49.1	46.3	44.0	48.8	49.0	56.5	56.9	53.1	...
1935	59.0	57.2	54.6	54.8	49.9	47.2	44.8	45.7	48.9	52.5	58.0	66.5	53.3
1936	59.1	59.6	56.9	55.0	48.2	46.4	44.3	47.1	50.9	52.4	53.2	54.8	52.3
1937	61.7	57.5	57.1	52.4	48.8	46.8	44.2	48.8	49.7	52.2	58.2	59.6	53.1
1938	64.9	53.5	53.3	52.8	47.3	44.7	43.0	49.0	51.4	50.1	56.4	63.8	52.5
1939	57.6	55.2	57.5	54.0	49.8	45.9	45.2	46.6	49.1	53.9	58.2	58.3	52.6
1940	64.7	57.6	55.4	52.8	46.8	46.0	45.8	47.7	52.1	49.1	53.0	51.8	51.9
Mean	60.8	58.8	55.7	54.0	48.8	46.3	44.3	47.4	50.3	52.9	55.4	57.5	†52.7

## TEMPERATURE IN DEGREES C. H = 137.9 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-23.2	-24.1	-9.0	-0.1	6.5	17.8	17.2	18.4	10.0	4.1	-11.8	-15.2	-0.8
1932	-13.5	-12.9	-10.7	3.7	7.3	14.0	20.6	15.0	11.0	5.4	-8.4	-12.8	1.6
1933	-25.1	-22.0	-12.0	1.5	8.1	12.7	18.7	17.1	6.9	0.0	-8.8	-17.5	-1.7
1934	-16.2	-10.9	-10.0	-3.9	9.6	17.5	15.4	15.4	6.2	0.9	-9.3	-16.2	-0.1
1935	-20.6	-11.2	-8.6	-3.3	8.6	16.9	18.8	14.9	9.5	-0.2	-13.7	-23.8	-1.1
1936	-18.9	-15.7	-11.2	-2.4	7.5	13.4	17.6	13.4	9.6	4.0	-7.3	-13.0	-0.2
1937	-18.2	-16.8	-15.6	-5.4	9.0	15.9	17.7	12.5	8.2	1.8	-11.1	-22.8	-2.1
1938	-22.9	-13.3	-8.4	4.3	10.2	14.5	17.3	15.0	7.2	0.0	-4.7	-27.5	-0.7
1939	-20.2	-11.8	-10.9	4.1	8.1	17.6	16.9	14.0	10.1	-0.2	-11.8	-11.1	0.4
1940	-27.0	-16.3	-7.5	2.8	8.4	16.3	19.0	15.6	8.6	-2.0	-8.0	-15.7	-0.5
Mean	-20.6	-15.5	-10.4	0.1	8.3	15.7	17.9	15.1	8.7	1.4	-9.5	-17.8	-0.5

## TOTAL PRECIPITATION IN MILLIMETERS. H = 137.9 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	30	12	30	20	35	43	11	28	44	38	73	43	407
1932	41	14	27	7	65	59	48	56	41	44	58	48	508
1933	22	11	30	22	61	53	109	74	77	25	77	27	588
1934	40	10	21	...	13	24	126	48	50	33	18	8	...
1935	7	8	18	11	36	83	58	78	43	71	19	7	439
1936	9	7	6	19	45	44	49	44	61	14	50	18	366
1937	14	14	12	22	18	86	65	74	53	64	28	23	473
1938	3	17	18	16	70	78	94	53	53	71	29	12	514
1939	11	9	7	14	51	71	88	41	24	61	31	16	424
1940	10	8	12	27	45	48	64	142	19	66	26	19	486
Mean	18.7	11.0	18.1	17.6	43.9	58.9	71.2	63.8	46.5	48.7	40.9	22.1	‡461.4

\* See NOTES, p. 23.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## TURGAI, U. S. S. R.

Lat. 49°38' N. Long. 63°30' E. H<sub>0</sub> = 124 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.6	69.8	55.0	57.2	51.1	48.0	46.4	43.6	51.5	55.7	59.9	55.4	54.6
1932	58.4	53.6	57.7	51.8	51.5	50.1	41.8	53.1	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	64.9	55.2	59.6	56.1	...	46.1	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	60.8	57.4	59.7	54.7	51.8	46.7	45.8	49.9	52.0	53.2	60.3	58.3	54.2
1937	61.7	59.3	58.8	55.2	49.7	46.5	43.5	49.9	52.5	57.1	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	57.7	...	57.3	54.0	52.0	47.1	45.0	49.1	50.4	56.6	59.1	58.8	...
1940	59.2	58.7	55.0	56.7	50.5	47.6	45.5	51.7	54.2	53.1	56.7	53.4	53.5
Mean	60.6	59.0	57.3	55.1	51.1	47.4	44.7	49.6	52.1	55.1	59.0	56.5	†54.0

## TEMPERATURE IN DEGREES C. H = 121.0 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-19.0	-25.3	-9.3	6.5	16.9	23.1	28.2	20.7	16.9	7.6	-5.3	-14.3	3.9
1932	-12.5	-13.5	-7.4	10.1	17.1	21.9	22.4	21.1	...	...	...	...	...
1933	-18.1	-21.4	-9.3	9.8	16.6	21.7	25.9	22.3	15.2	4.5	-3.4	-15.1	4.1
1934	-20.6	-12.2	-12.1	-1.2	...	19.6	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	14.9	9.7	-8.7	-13.7	...
1936	-18.1	-13.6	-10.5	4.4	14.2	23.9	24.1	21.1	15.0	8.9	-1.2	-7.7	5.0
1937	-17.4	-20.4	-7.5	5.1	13.0	22.1	26.5	23.6	13.3	7.7	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	-20.6	...	-8.6	7.3	15.8	25.8	25.4	20.0	14.0	1.3	-3.9	-7.2	...
1940	-18.8	-16.1	-3.4	10.8	14.2	21.9	27.7	25.1	16.4	3.5	-1.4	-8.6	5.9
Mean	-18.1	-17.5	-8.5	6.6	15.4	22.5	25.7	22.0	15.8	6.2	-4.0	-11.1	†4.6

## TOTAL PRECIPITATION IN MILLIMETERS. H = 121.0 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6	0	36	8	6	23	1	35	7	23	9	24	173
1932	4	10	3	17	11	5	14	5	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	3	3	31	30	...
1934	2	7	3	20	...	62	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	11	5	0	6	...
1936	23	11	...	...	...	...	7	31	14	28	0	12	...
1937	9	5	7	20	52	13	0	0	0	4	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	36	17	1	17	17	1	37	7	8	...
1940	13	8	8	5	16	37	0	0	0	38	13	10	143
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 24.

† Mean of 12 monthly means.

## TURUKHANSK, U. S. S. R.

Lat. 65°47' N. Long. 87°57' E. H = 45 m.?

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	65.1	66.7	54.0	62.2	55.2	52.9	52.3	54.9	55.3	55.3	59.1	61.5	57.9
1932	52.1	65.2	60.5	57.1	53.5	50.8	49.5	56.6	56.3	53.5	56.3	53.0	55.4
1933	75.0	73.1	56.8	59.2	55.2	52.1	53.7	49.5	60.2	58.3	67.3	56.0	59.7
1934	60.1	58.4	67.3	56.0	54.1	53.5	52.0	57.0	55.4	56.2	58.4	55.4	57.0
1935	57.7	59.8	58.9	59.7	55.3	53.8	52.0	50.8	52.3	59.1	60.8	71.4	57.6
1936	63.4	67.8	61.2	62.8	53.4	52.8	51.3	54.2	53.8	55.5	60.5	56.5	57.3
1937	65.4	62.5	64.9	56.0	53.2	55.1	51.0	53.6	53.9	53.6	61.1	68.4	58.2
1938	69.4	60.1	55.5	52.8	54.5	51.9	53.1	55.0	55.7	52.7	61.6	69.4	57.6
1939	58.0	55.9	59.0	56.4	55.4	53.2	53.6	52.3	50.8	57.6	62.6	57.6	56.0
1940	76.1	57.8	53.6	54.2	54.0	51.0	54.1	56.8	59.6	53.5	55.4	58.6	57.1
Mean	64.2	62.7	59.2	57.6	54.4	52.7	52.3	54.1	55.3	55.5	60.3	60.8	57.4

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-32.5	-22.6	-17.1	-10.7	-2.0	9.5	13.8	14.4	7.5	0.1	-18.7	-22.9	-6.8
1932	-20.9	-17.4	-18.4	-4.4	2.5	11.2	18.1	12.6	10.0	-3.3	-22.3	-25.6	-4.8
1933	-32.4	-25.1	-16.1	-6.3	-4.0	4.1	15.6	14.2	...	...	...	...	...
1934	-22.7	-11.8	-14.9	-8.6	-1.4	10.3	13.0	12.0	4.0	-3.5	-16.8	-26.9	-5.6
1935	-26.2	-15.2	-13.1	-13.1	3.3	12.1	14.7	12.0	5.7	-9.7	-20.5	-29.4	-6.6
1936	-23.8	-22.6	-17.6	-5.5	0.1	7.9	15.6	11.8	8.7	-3.2	-22.8	-18.2	-6.2
1937	-19.5	-22.0	-21.1	-11.2	1.8	11.3	15.6	8.4	5.5	-5.2	-20.4	-31.2	-7.3
1938	-24.1	-21.3	-10.8	-3.8	2.8	12.4	14.9	12.8	5.7	-7.1	-12.8	-27.2	-4.9
1939	-26.6	-14.1	-15.4	-6.3	-0.6	13.0	15.5	11.5	4.4	-3.8	-18.2	-17.2	-4.3
1940	-35.5	-23.1	-16.6	-6.9	0.6	10.4	14.8	14.0	6.5	-10.2	-15.6	-25.4	-7.2
Mean	-26.9	-19.5	-16.1	-7.7	0.3	10.2	15.2	12.4	6.4	-5.1	-18.7	-24.9	*-6.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	26	25	20	24	22	32	63	17	43	52	31	21	376
1932	31	7	15	39	9	31	51	51	51	24	49	22	330
1933	12	2	13	20	30	116	54	85	...	...	...	...	...
1934	24	26	6	12	51	15	23	76	62	78	35	24	432
1935	26	21	27	14	52	66	62	40	65	20	40	21	454
1936	25	12	12	5	16	73	67	121	82	70	8	36	527
1937	32	12	19	7	41	43	55	83	54	61	46	12	465
1938	24	14	24	63	26	27	23	45	89	44	22	25	426
1939	14	24	14	26	24	72	33	86	70	31	19	31	444
1940	4	13	14	39	14	99	41	69	40	36	19	15	403
Mean	21.8	15.6	16.4	24.9	28.5	57.4	47.2	67.3	61.8	46.2	29.9	23.0	†440.0

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## USSURIYSKAJA (NIKOLSK USSURIYSKY), U. S. S. R.

Lat. 43°52' N. Long. 131°58' E. H = 28 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, 1931-1935, 1938;  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time, 1936-1937, 1939-1940  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	64.9	66.4	59.9	56.1	55.0	53.7	54.0	54.1	57.0	61.1	64.4	65.9	59.4
1932	64.4	66.0	58.5	54.6	52.7	54.2	52.3	53.8	60.0	58.0	61.4	65.7	58.5
1933	68.1	68.9	62.0	58.4	55.5	53.3	54.2	53.9	57.3	61.5	63.0	63.0	59.5
1934	65.7	61.1	56.9	57.6	55.2	51.9	54.3	54.8	56.5	62.8	59.6	66.1	58.5
1935	64.0	61.8	58.7	57.6	52.8	52.0	52.8	54.3	57.8	58.0	67.4	65.5	58.6
1936	64.2	63.0	62.5	56.5	54.8	52.7	51.6	53.2	57.0	58.0	61.3	63.6	58.2
1937	65.3	64.6	59.6	58.4	52.6	55.5	51.2	56.2	58.2	60.3	62.7	60.6	58.8
1938	65.5	60.6	60.8	53.0	53.4	53.2	53.6	54.8	56.4	61.0	62.8	65.2	58.4
1939	66.4	65.3	59.2	58.1	55.3	50.7	53.5	55.1	55.9	61.8	61.8	65.1	59.0
1940	62.7	65.0	58.7	54.7	52.2	53.2	51.7	56.0	58.9	60.5	62.2	62.8	58.2
Mean	65.1	63.8	59.7	56.5	54.0	53.0	52.9	54.6	57.5	60.3	62.7	64.4	58.7

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours 1931-1935, 1938;  
 $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time, 1936-1937, 1939-1940

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-21.4	-20.8	-3.4	3.2	9.9	12.8	17.5	21.2	15.5	7.2	-2.7	-16.2	1.9
1932	-13.8	-15.2	-5.0	4.4	9.7	14.4	17.7	19.3	15.2	7.8	-6.4	-13.5	2.9
1933	-24.3	-21.0	-9.1	3.9	12.1	16.3	21.2	21.0	15.3	5.9	-3.6	-13.1	2.0
1934	-18.8	-13.5	-6.6	4.0	12.7	16.2	17.5	19.9	14.9	6.5	-1.6	-10.3	3.4
1935	-17.2	-8.2	-3.9	4.4	10.3	14.5	19.6	19.9	15.5	9.9	-8.4	-18.0	3.2
1936	-21.7	-19.7	-7.9	4.3	10.8	16.4	19.8	20.5	16.5	6.9	-2.0	-13.3	2.5
1937	-16.7	-13.0	-6.6	4.7	11.6	16.0	21.9	21.6	15.6	7.9	-3.9	-18.5	3.4
1938	-20.1	-16.8	-2.2	5.9	11.7	15.3	21.2	23.4	14.8	8.8	-3.8	-17.6	3.4
1939	-22.4	-14.9	-2.3	4.8	10.6	15.1	21.6	22.3	15.6	5.5	-3.0	-12.4	3.3
1940	-19.3	-14.2	-3.1	4.5	11.2	14.6	19.6	19.6	14.3	7.4	-2.3	-15.2	3.1
Mean	-19.6	-15.7	-5.1	4.4	11.1	15.2	19.8	20.9	15.3	7.4	-3.8	-14.9	2.9

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9	1	4	46	120	176	12	97	87	26	3	6	587
1932	13	1	16	22	94	57	219	94	25	104	37	7	692
1933	1	7	0	14	68	80	77	88	69	51	43	3	501
1934	3	0	13	17	79	53	145	61	113	9	41	0	534
1935	4	4	5	40	92	167	100	74	83	116	29	5	719
1936	4	8	9	19	122	98	37	71	182	36	37	8	631
1937	0	3	6	28	56	54	76	57	54	65	4	5	408
1938	9	2	14	47	28	30	44	493	100	35	6	4	817
1939	7	2	1	34	59	184	83	91	173	75	7	3	719
1940	2	4	7	18	82	58	44	93	19	82	58	15	482
Mean	5.2	3.2	7.5	28.5	80.0	95.7	83.7	122.4	90.8	59.9	26.5	5.6	609.0

UST MAYSKOE, U. S. S. R.

Lat. 60°25' N. Long. 134°32' E. H = 178 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	53.2	53.3	43.7	43.3	43.7	40.1	39.9	39.5	44.1	47.4	47.3	47.7	45.3
1932	45.4	56.7	48.4	41.3	40.8	39.6	39.2	42.6	47.5	46.9	47.4	...	...
1933	52.4	53.1	48.7	42.5	40.2	38.8	39.3	40.7	44.4	48.2	47.2	52.9	45.7
1934	58.8	49.0	47.7	41.4	42.8	38.9	42.0	40.9	46.4	44.9	47.9	48.6	45.8
1935	50.3	45.4	46.5	46.1	41.5	40.3	38.6	40.1	43.6	46.3	51.5	50.1	45.0
1936	56.6	56.2	50.4	44.4	41.4	37.1	40.5	41.0	46.4	44.6	50.6	47.9	46.4
1937	49.0	50.5	50.6	41.7	42.6	41.3	38.1	40.4	43.3	43.9	48.2	49.8	45.0
1938	52.2	51.0	45.2	41.5	39.6	38.1	38.6	42.5	45.2	46.5	51.6	51.0	45.2
1939	55.8	52.2	49.0	43.9	41.6	40.3	38.0	41.4	44.6	47.4	46.8	47.0	45.7
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	52.6	51.9	47.8	42.9	41.6	39.4	39.4	41.0	45.1	46.2	48.7	49.4	†45.5

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-50.0	-41.9	-18.5	-10.8	6.4	16.1	21.3	14.0	8.6	-5.9	-24.0	-36.9	-10.1
1932	-33.3	-35.0	-20.8	-6.4	4.8	15.7	20.6	15.1	7.9	-7.1	-31.1	...	...
1933	-43.3	-38.5	-26.0	-7.8	4.7	16.5	17.5	15.6	8.3	-4.3	-19.6	-37.3	-9.5
1934	-38.1	-30.8	-21.8	-8.7	8.1	15.2	19.2	15.6	5.7	-7.1	-24.4	-37.0	-8.7
1935	-41.9	-32.8	-25.2	-4.2	5.8	13.5	20.7	15.4	6.5	-5.2	-27.6	-39.5	-9.5
1936	-43.8	-34.2	-22.5	-4.2	9.5	14.5	18.6	17.0	7.2	-5.7	-28.1	-34.7	-8.9
1937	-43.8	-34.2	-24.6	-8.5	6.5	15.0	17.8	14.6	6.7	-5.4	-27.3	-36.8	-10.0
1938	-40.9	-35.2	-21.2	-4.7	7.4	15.6	18.3	13.9	7.5	-7.2	-21.8	-43.0	-9.3
1939	-44.5	-34.1	-16.7	-5.5	9.6	13.6	16.9	16.8	7.8	-7.0	-24.8	-34.4	-8.5
1940	-38.1	-34.4	-18.6	-5.8	5.4	14.1	18.9	12.1	4.4	-11.4	-32.7	-36.2	-10.2
Mean	-41.8	-35.1	-21.6	-6.7	6.8	15.0	19.0	15.0	7.1	-6.6	-26.1	-33.6	†-9.0

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2	9	17	0	0	17	19	34	31	8	13	11	161
1932	24	8	3	7	12	35	...	22	27	12	...	...	...
1933	9	4	2	8	43	32	134	49	30	14	34	5	364
1934	6	5	2	4	18	37	...	42	3	11	10	12	...
1935	13	9	4	17	40	37	12	61	96	28	23	11	351
1936	3	2	4	1	3	22	14	24	12	37	37	11	170
1937	5	7	3	5	15	24	72	32	34	16	16	12	241
1938	6	5	4	11	22	45	57	77	18	12	10	6	273
1939	2	3	1	3	13	23	52	20	20	15	17	14	183
1940	4	2	7	16	6	64	48	16	26	14	4	7	214
Mean	7.4	5.4	4.7	7.2	17.2	33.6	51.0	37.7	29.7	16.7	18.2	9.9	‡238.7

\* The height of this station is different from that given in Smithsonian Misc. Coll., vol. 90, but there appeared to be no change in pressure, hence no correction was applied.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## VERKHUYANSK, U. S. S. R.

Lat. 67°33' N. Long. 133°24' E. H = 142 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.8	54.7	48.0	48.3	45.9	42.3	41.0	41.6	46.7	46.1	48.5	48.5	47.3
1932	47.1	57.9	51.7	46.1	46.9	42.4	41.7	45.7	47.8	47.2	50.6	53.2	48.2
1933	52.3	61.9	53.8	46.4	42.8	41.4	41.0	42.6	45.9	46.7	48.2	53.8	48.1
1934	55.6	50.6	54.7	45.2	42.6	40.7	43.4	43.8	49.3	45.4	51.2	51.2	47.8
1935	50.8	44.6	50.2	50.1	45.1	40.8	40.0	40.6	42.8	48.7	53.2	53.0	46.7
1936	59.4	61.2	50.6	48.3	48.7	38.2	42.4	44.0	48.5	47.7	53.4	49.4	48.9
1937	49.1	48.6	55.8	44.6	44.0	41.4	39.9	39.4	44.0	44.2	49.0	52.3	46.0
1938	53.3	53.7	45.8	43.8	42.8	42.6	42.0	45.8	48.1	50.4	54.2	54.6	48.1
1939	59.6	55.9	52.5	44.5	45.2	44.5	42.4	44.3	45.6	49.8	50.5	48.4	48.6
1940	62.6	55.6	49.3	43.4	45.6	42.5	41.6	44.5	48.4	49.3	52.2	56.0	49.2
Mean	54.6	54.5	51.2	46.1	44.5	41.7	41.5	43.2	46.7	47.6	51.1	52.0	47.9

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-50.2	-47.0	-29.5	-18.2	5.5	13.6	18.7	11.0	3.3	-9.3	-33.0	-39.6	-14.6
1932	-46.8	-39.0	-28.4	-13.8	-1.6	13.8	14.4	12.6	5.1	-12.5	-39.6	-49.0	-15.6
1933	-40.7	-48.2	-33.5	-16.6	1.5	13.5	15.2	12.8	2.9	-9.8	-30.1	-46.9	-15.0
1934	-45.8	-41.7	-31.8	-16.8	3.6	13.0	19.9	10.4	3.0	-13.0	-36.2	-47.4	-15.2
1935	-49.5	-40.9	-34.0	-12.6	3.9	12.3	19.2	13.1	4.8	-16.1	-38.1	-40.3	-14.8
1936	-49.4	-43.0	-30.7	-11.8	4.2	12.2	17.8	11.9	4.4	-15.6	-34.0	-43.4	-14.8
1937	-44.1	-36.0	-35.3	-15.2	5.3	13.0	16.4	12.6	2.9	-12.0	-34.0	-40.4	-13.9
1938	-45.7	-44.6	-29.0	-11.2	2.0	14.3	17.3	12.2	4.1	-15.9	-27.0	-42.9	-13.9
1939	-52.2	-41.9	-27.6	-13.4	3.4	12.4	12.6	13.8	4.3	-12.8	-31.2	-43.6	-14.7
1940	-41.3	-43.6	-25.4	-10.6	1.4	14.7	16.6	10.1	-0.4	-22.1	-39.9	-47.8	-15.7
Mean	-46.8	-42.6	-30.5	-14.6	2.9	13.3	16.8	12.0	3.4	-13.9	-34.3	-44.1	-14.8

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6	4	7	3	0	8	5	7	8	11	11	7	77
1932	3	3	4	3	3	8	21	13	4	7	9	5	83
1933	15	6	10	8	6	11	88	19	20	3	12	4	152
1934	2	1	4	1	21	31	18	43	21	9	2	5	163
1935	6	8	7	4	7	28	20	45	28	14	10	10	187
1936	1	5	3	4	7	58	53	49	15	13	8	1	207
1937	8	5	1	1	5	14	12	22	10	16	8	6	108
1938	11	3	7	5	3	33	13	59	4	3	10	16	187
1939	1	1	1	2	15	38	74	8	23	5	10	9	187
1940	5	1	9	2	3	22	32	33	15	5	8	5	140
Mean	5.8	3.7	5.3	3.3	7.6	25.1	27.6	30.3	14.8	8.6	8.8	6.8	147.1



VLADIVOSTOK, U. S. S. R.

Lat. 43°7' N. Long. 131°54' E. H<sub>b</sub> = 128 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.2	55.5	50.5	47.0	46.4	45.2	45.7	45.5	48.2	52.0	54.8	55.4	50.0
1932	54.7	55.4	49.1	45.8	44.6	46.4	44.3	45.5	50.9	48.9	51.6	55.4	49.4
1933	57.3	53.4	52.4	49.5	47.2	44.9	45.8	45.3	48.3	52.3	53.5	52.5	50.2
1934	54.4	50.9	47.1	48.5	46.8	43.6	45.7	46.3	47.6	53.7	50.0	56.2	49.2
1935	53.2	52.2	49.2	48.6	44.2	43.5	44.5	45.9	48.8	48.6	56.5	54.7	49.1
1936	52.4	52.0	52.4	47.4	46.4	44.6	43.5	44.7	48.0	48.9	51.8	53.8	48.8
1937	55.1	54.4	49.8	50.0	44.3	47.4	43.2	47.9	49.5	51.7	50.9	50.4	49.6
1938	54.8	50.0	51.2	44.0	45.0	44.6	45.2	46.0	47.0	51.8	52.4	54.2	48.8
1939	55.0	54.3	49.5	49.0	46.4	41.9	45.1	46.4	46.8	52.0	51.8	54.8	49.4
1940	51.3	54.2	48.9	45.7	43.2	44.6	43.4	47.1	49.9	51.1	52.7	52.5	48.7
Mean	54.2	53.2	50.0	47.6	45.4	44.7	44.6	46.1	48.5	51.1	52.6	54.0	49.3

TEMPERATURE IN DEGREES C. H = 136 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-15.6	-14.7	-2.4	2.4	7.7	10.0	14.6	20.3	15.3	8.7	-0.1	-10.4	3.0
1932	- 8.0	-11.1	-4.0	3.8	7.5	11.0	15.0	18.4	16.4	9.7	-0.7	- 7.7	4.2
1933	-16.0	-14.1	-5.3	3.7	9.5	13.8	19.0	20.1	16.8	9.4	-1.0	- 9.1	3.9
1934	-14.4	- 8.2	-4.5	4.1	9.8	13.5	15.8	19.4	15.7	8.7	0.2	- 6.0	4.5
1935	-13.1	- 5.5	-2.0	3.9	9.1	12.4	17.4	19.3	16.3	11.3	-2.6	-12.6	4.5
1936	-17.4	-13.6	-5.0	3.9	8.7	14.1	17.4	19.9	16.4	9.1	0.4	- 7.8	3.8
1937	-12.1	- 9.9	-5.3	3.6	10.2	13.2	19.8	20.8	16.6	9.4	-0.5	-13.1	4.4
1938	-14.0	-11.4	-0.6	5.4	9.2	13.1	18.6	22.3	15.6	10.8	-1.1	-12.4	4.6
1939	-16.0	-10.1	-1.6	4.4	8.7	12.7	19.4	22.0	16.8	8.4	-0.4	- 6.9	4.8
1940	-16.1	- 9.8	-1.7	4.0	10.2	11.8	17.1	19.2	15.9	9.8	0.3	- 9.1	4.3
Mean	-14.3	-10.8	-3.2	3.9	9.1	12.6	17.4	20.2	16.2	9.5	-0.6	- 9.5	4.2

TOTAL PRECIPITATION IN MILLIMETERS. H = 136 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	15	6	6	34	165	340	20	154	111	6	8	9	874
1932	9	19	26	34	112	72	176	211	36	139	53	25	912
1933	5	15	6	29	54	117	65	230	77	61	34	4	697
1934	2	0	29	17	129	93	162	152	105	9	30	0	728
1935	17	11	11	54	88	175	84	129	83	172	41	17	832
1936	25	53	61	23	85	57	103	166	164	29	54	26	846
1937	0	5	12	90	21	61	60	74	38	48	5	8	422
1938	29	6	19	52	33	67	86	113	131	52	6	7	901
1939	12	1	5	33	51	162	68	155	292	96	11	12	898
1940	2	0	8	12	124	58	36	155	35	11	97	8	546
Mean	11.6	11.6	18.3	37.8	86.2	120.2	86.0	133.9	107.2	62.3	33.9	11.6	770.6

\* See NOTES, p. 24.

## WAIGATZ, U. S. S. R.

Lat. 70°24' N. Long. 58°47' E. H = 11 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.4	64.8	54.4	66.8	58.1	55.4	56.9	58.9	51.9	49.1	62.7	51.3	57.6
1932	46.3	53.8	57.5	57.2	58.5	57.6	58.5	56.9	50.7	54.8	53.6	53.6	54.9
1933	71.1	65.9	56.9	58.7	63.4	58.0	55.9	55.6	60.7	54.1	52.8	55.1	59.0
1934	49.4	45.6	65.1	55.4	56.2	57.9	62.0	58.7	62.8	54.1	55.4	55.2	56.5
1935	51.1	49.8	55.6	65.5	56.1	57.4	56.5	58.5	52.3	63.1	61.6	64.2	57.6
1936	61.2	64.4	57.5	60.9	58.7	58.9	59.0	60.4	48.1	51.6	51.8	50.6	56.9
1937	62.2	52.9	66.6	62.5	59.1	58.2	59.3	62.7	54.4	53.4	58.8	66.1	59.7
1938	61.0	55.8	50.0	51.0	57.0	57.1	59.8	55.0	55.8	56.6	54.2	73.3	57.2
1939	52.2	48.2	60.4	52.4	61.6	56.0	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	57.2	55.7	58.2	58.9	58.7	57.4	58.5	58.3	54.6	54.6	56.4	58.7	*57.3

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-18.3	-10.9	-20.4	-13.1	-5.2	1.5	6.4	8.6	5.9	0.6	-3.4	-9.6	-4.8
1932	-14.7	-20.8	-19.2	-8.2	-5.0	-0.1	4.7	7.1	6.0	-2.0	-8.3	-16.0	-6.4
1933	-15.7	-18.1	-24.0	-10.7	-8.4	-0.5	7.5	3.4	2.3	-1.3	-13.0	-19.3	-8.2
1934	-8.3	-12.5	-14.2	-13.0	-3.6	0.1	4.8	5.7	1.9	-0.5	-3.4	-8.9	-4.3
1935	-15.6	-9.6	-16.1	-17.5	-4.7	0.3	6.5	4.9	3.9	-2.8	-3.7	-8.8	-5.3
1936	-18.8	-24.5	-17.6	-7.7	-3.3	1.9	5.7	7.6	5.2	0.5	-1.4	-5.2	-4.8
1937	-4.4	-9.8	-18.6	-9.0	-4.1	1.9	6.3	7.6	4.7	0.8	-5.1	-12.2	-3.5
1938	-10.1	-15.9	-11.4	-8.0	-3.7	1.5	6.8	7.2	5.8	-1.7	-6.4	-10.0	-3.8
1939	-17.6	-16.3	-14.4	-12.8	-5.5	1.2	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	-13.7	-15.4	-17.3	-11.1	-4.8	0.9	6.1	6.5	4.5	-0.8	-5.6	-11.4	*-5.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6	2	2	4	7	24	17	44	53	34	11	7	211
1932	8	6	3	14	5	7	17	50	68	17	13	9	217
1933	3	1	1	2	2	6	38	26	69	19	9	4	180
1934	6	7	5	4	16	4	4	56	20	19	12	12	165
1935	3	8	5	2	3	16	5	9	41	28	13	9	142
1936	7	2	5	6	6	20	11	53	40	34	25	24	233
1937	6	7	5	1	5	21	22	20	44	33	10	7	181
1938	7	3	4	10	3	23	36	54	54	23	11	9	237
1939	18	5	1	8	15	32	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	7.1	4.6	3.4	5.7	6.9	17.0	18.8	39.0	48.6	25.9	13.0	1.1	†191.1

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## YAKUTSK, U. S. S. R.

Lat. 62°1' N. Long. 129°43' E. H = 106.3 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.7	60.7	50.8	50.4	50.1	45.7	45.8	45.7	50.7	53.7	54.6	54.7	52.0
1932	52.2	64.3	56.3	48.4	47.5	45.2	45.1	49.6	53.9	53.3	54.9	57.1	52.3
1933	59.3	61.2	56.2	49.3	46.2	45.1	44.9	47.0	50.9	54.8	54.1	60.1	52.4
1934	63.8	55.6	55.3	48.9	48.4	45.0	47.2	46.8	52.8	51.7	55.2	55.2	52.2
1935	56.7	51.6	53.9	52.5	47.4	46.3	44.4	45.4	49.3	53.0	58.4	57.5	51.4
1936	63.9	63.7	57.4	51.8	47.6	42.8	46.1	46.8	53.2	52.0	58.4	54.8	53.2
1937	55.8	57.2	58.7	48.4	48.7	46.7	43.3	45.9	49.0	49.8	55.2	57.0	51.3
1938	59.0	57.8	51.8	48.0	46.0	43.8	44.0	48.4	51.0	52.8	58.4	57.8	51.6
1939	62.5	58.5	56.3	50.4	48.2	46.3	44.3	47.7	51.1	54.3	54.0	53.9	52.3
1940	65.9	60.3	54.5	47.0	48.0	45.8	44.1	47.6	49.5	52.0	56.0	58.0	52.4
Mean	60.0	59.1	55.1	49.5	47.8	45.3	44.9	47.1	51.1	52.7	55.9	56.6	52.1

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-51.1	-44.8	-22.1	-11.3	7.5	16.8	18.9	13.7	8.4	-5.7	-25.8	-34.3	-10.8
1932	-34.9	-34.6	-21.3	-8.2	4.9	16.9	20.8	15.3	7.9	-8.5	-30.9	-39.6	-9.4
1933	-40.6	-39.2	-28.0	-9.7	3.5	17.2	17.5	16.7	6.4	-4.4	-22.4	-40.7	-10.3
1934	-39.1	-27.8	-22.5	-10.0	8.0	17.4	20.9	14.8	5.3	-8.1	-26.5	-37.6	-8.8
1935	-42.4	-32.9	-27.6	-6.6	6.4	15.7	21.6	15.1	6.0	-8.7	-32.1	-39.1	-10.4
1936	-45.8	-36.3	-23.3	-4.4	9.9	14.3	20.1	17.0	8.2	-8.3	-29.8	-34.7	-9.4
1937	-42.0	-34.2	-26.8	-7.9	6.9	16.6	18.8	14.3	5.9	-7.1	-30.6	-38.9	-10.4
1938	-40.9	-37.3	-21.6	-4.0	7.4	16.6	19.5	14.5	8.4	-8.5	-21.4	-43.6	-9.2
1939	-46.1	-34.4	-21.0	-6.3	7.5	15.4	17.3	17.3	7.1	-8.2	-27.0	-34.9	-9.4
1940	-38.4	-34.8	-20.6	-6.2	5.0	16.2	19.8	13.1	4.2	-12.2	-34.6	-39.0	-10.6
Mean	-42.1	-35.6	-23.5	-7.5	6.7	16.3	19.5	15.2	6.8	-8.0	-28.1	-38.2	-9.9

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2	6	5	5	0	59	131	54	4	17	13	17	313
1932	13	2	4	7	22	44	55	6	20	23	5	10	211
1933	7	2	1	13	36	14	42	47	29	2	14	3	210
1934	3	7	1	1	9	14	30	41	10	12	5	10	143
1935	12	11	5	4	42	7	30	78	56	21	9	7	232
1936	1	1	3	0	9	40	23	24	12	7	1	9	130
1937	6	5	0	2	19	58	63	58	49	20	10	8	298
1938	3	5	9	7	30	24	64	38	8	5	6	8	207
1939	3	9	2	9	9	9	58	37	20	14	11	16	197
1940	4	2	11	6	17	38	70	20	26	12	6	9	221
Mean	5.4	5.0	4.1	5.4	19.3	30.7	56.6	40.3	23.4	13.3	8.0	9.7	221.2

## YENISSEYSK, U. S. S. R.

Lat. 58°27' N. Long. 92°10' E. H = 77.6 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ ; local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	64.8	69.6	55.8	58.5	53.7	50.1	49.8	50.1	54.7	57.9	60.3	63.9	57.4
1932	57.9	66.6	61.3	56.8	50.9	48.4	45.0	54.0	55.8	55.4	56.7	57.5	55.5
1933	72.5	68.4	59.5	56.5	52.3	49.3	48.6	48.3	52.0	59.9	53.9	58.9	56.7
1934	63.2	63.8	62.8	55.2	52.4	49.9	47.9	52.1	53.9	59.2	59.2	56.8	56.4
1935	62.7	61.0	58.6	56.3	52.5	50.7	48.6	49.0	52.6	55.1	60.7	70.0	56.5
1936	63.5	64.7	61.3	57.7	50.5	48.7	46.5	50.6	55.4	55.4	57.6	58.0	55.8
1937	65.4	61.7	61.2	54.8	...	50.0	47.0	51.0	52.8	...	...	...	...
1938	...	...	...	...	...	48.0	47.4	52.2	54.6	52.8	61.4	67.2	...
1939	61.5	60.6	60.1	57.2	52.8	49.3	48.6	50.2	53.0	58.2	61.8	61.4	56.2
1940	71.5	61.1	59.4	54.8	50.9	49.4	49.6	51.5	54.7	52.4	56.8	58.0	55.8
Mean	64.8	64.2	60.0	56.4	52.0	49.4	47.9	50.9	54.0	56.3	58.7	61.3	*56.3

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-26.9	-25.2	-10.0	-1.5	3.8	15.6	15.7	16.8	8.9	3.6	-11.9	-20.2	-2.6
1932	-14.9	-16.8	-11.3	0.9	5.8	14.0	21.4	14.2	10.6	3.2	-10.9	-12.0	0.4
1933	-31.4	-27.5	-12.6	-0.8	5.3	12.0	18.4	16.0	5.6	-0.4	-10.4	-17.6	-3.6
1934	-18.6	-13.7	-12.8	-2.3	6.8	15.6	16.1	14.9	5.5	0.7	-11.3	-17.7	-1.4
1935	-21.8	-13.6	- 9.3	-3.7	6.1	16.5	18.2	14.2	8.6	-3.6	-15.3	-28.6	-2.7
1936	-24.1	-19.4	-11.9	-2.2	6.6	11.4	19.2	14.0	9.1	1.8	-14.6	-13.4	-2.0
1937	-21.2	-20.6	-16.9	-4.4	...	15.8	18.2	12.1	6.9	0.4	-13.9	-28.1	...
1938	-27.2	-16.0	- 9.0	3.5	8.6	14.8	17.5	14.6	6.6	-1.0	- 8.2	-28.0	-2.0
1939	-22.4	-13.6	-10.3	3.0	6.8	18.5	17.0	14.4	9.3	-1.0	-14.0	-12.1	-0.4
1940	-32.8	-16.6	- 8.0	2.4	7.7	15.7	17.3	15.2	7.7	-2.9	- 9.3	-19.8	-2.0
Mean	-24.1	-18.3	-11.2	-0.5	6.4	15.0	17.9	14.6	7.9	0.1	-12.0	-19.8	*-2.0

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	20	13	12	11	33	66	64	41	74	52	36	20	442
1932	18	4	9	14	54	49	60	62	34	62	45	23	434
1933	10	6	5	22	55	37	45	72	86	27	45	86	496
1934	24	7	11	25	17	54	60	60	55	46	31	28	418
1935	16	24	14	22	61	20	45	82	41	42	41	22	430
1936	20	9	8	6	55	58	104	58	44	27	43	39	471
1937	25	22	11	16	...	56	35	101	94	49	30	30	...
1938	8	19	14	7	49	55	44	29	63	67	44	24	423
1939	19	10	11	7	47	14	77	86	33	32	21	24	381
1940	4	9	3	16	30	68	50	42	37	54	25	13	351
Mean	16.4	12.3	9.8	14.6	44.6	47.7	58.4	63.3	56.1	45.8	36.1	30.9	†436

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

# AUSTRALIA

## ADELAIDE,\* SOUTH AUSTRALIA

Lat. 34°56' S. Long. 138°35' E. H<sub>0</sub> = 140 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(9^h + 15^h)$ , 142°30' meridian E.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.966	1.025	1.076	1.146	1.102	1.118	1.096	1.060	.950	1.118	1.028	.956	1.053
1932	.886	.961	.996	1.015	1.209	1.067	1.087	1.078	1.088	1.008	1.027	.928	1.029
1933	.884	.917	.966	1.165	1.040	1.135	1.132	1.178	1.078	1.009	.996	.966	1.039
1934	.923	.975	1.045	1.146	1.272	1.146	1.100	1.081	.998	.996	.952	.916	1.046
1935	.907	1.005	1.007	1.042	1.161	1.158	1.006	1.094	.976	1.010	.996	.960	1.027
1936	.882	.974	1.038	1.178	1.110	1.213	1.125	.930	1.163	.994	1.031	.900	1.045
1937	.868	.986	1.050	1.122	1.048	1.153	1.280	1.084	1.058	1.051	1.032	.857	1.049
1938	.949	.823	1.047	1.018	1.167	1.144	1.123	1.155	1.121	1.050	.951	.951	1.042
1939	.807	.945	1.043	1.101	1.154	.969	1.169	.822	1.145	1.069	.947	.983	1.013
1940	.877	.991	1.066	1.125	1.225	1.290	1.179	1.251	1.151	1.077	1.019	.959	1.101
Mean	.895	.960	1.033	1.106	1.149	1.139	1.130	1.073	1.073	1.038	.998	.938	1.044

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	70.9	70.7	68.3	63.0	58.9	53.2	51.4	53.5	56.9	59.8	66.4	74.0	62.2
1932	78.0	68.6	69.7	61.9	61.0	53.9	52.5	53.4	58.0	58.2	66.9	68.8	62.6
1933	70.2	73.2	68.1	62.6	58.0	55.2	51.1	52.8	56.3	62.4	66.8	69.8	62.2
1934	77.4	74.6	77.0	62.0	61.2	55.3	55.0	54.2	59.3	61.6	66.0	69.4	64.4
1935	70.2	72.1	71.2	63.1	56.3	53.5	52.6	56.3	58.5	62.8	67.2	71.0	62.9
1936	73.4	72.1	70.9	62.6	60.7	52.3	52.9	55.2	56.4	61.4	65.8	70.5	62.8
1937	69.7	73.9	72.9	62.9	59.7	53.0	51.5	55.2	58.2	63.2	69.8	69.7	63.3
1938	72.9	71.8	71.2	65.7	59.4	52.0	52.4	53.2	57.1	62.6	69.1	70.6	63.2
1939	80.1	75.3	69.3	65.3	60.9	55.1	52.4	52.5	56.0	61.5	64.9	66.1	63.3
1940	71.1	69.9	76.9	61.3	55.8	52.6	53.1	54.1	57.5	65.5	62.3	71.2	62.6
Mean	73.4	72.2	71.5	63.0	59.2	53.6	52.5	54.0	57.4	61.9	66.5	70.1	62.9

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.64	0.30	1.32	0.90	2.99	5.46	3.73	2.55	2.79	0.49	0.87	0.22	22.26
1932	0.15	1.40	1.49	4.63	2.39	4.48	2.64	2.89	2.01	2.32	0.36	0.28	25.04
1933	2.25	0.18	1.33	1.98	5.40	1.33	1.75	3.36	2.89	0.64	0.18	0.83	22.12
1934	0.46	0.14	0.66	1.51	0.10	1.03	1.04	4.15	3.87	2.00	4.10	1.18	20.24
1935	0.78	0.02	2.46	1.66	2.68	2.58	3.22	2.77	2.63	0.91	1.16	23.45	
1936	1.45	0.82	0.07	1.21	2.08	2.27	2.30	2.08	0.67	2.43	0.54	3.42	19.34
1937	2.42	0.79	1.05	0.66	3.78	1.94	1.90	3.40	2.92	0.54	1.39	2.22	23.01
1938	0.61	2.45	0.13	5.81	0.98	2.37	1.88	2.69	0.65	0.70	0.50	0.49	19.26
1939	1.30	1.74	1.29	2.15	1.91	4.25	1.80	3.13	0.88	0.98	3.58	0.28	23.29
1940	1.20	0.38	0.59	2.79	1.19	0.71	3.20	1.47	1.34	0.51	1.75	1.03	16.16
Mean	1.13	0.82	1.04	2.33	2.34	2.65	2.28	2.89	2.08	1.33	1.42	1.11	21.42

\* See NOTES, p. 24.

## ALICE SPRINGS, NORTHERN TERRITORY

Lat. 23°38' S. Long. 133°37' E. H<sub>b</sub> = 1,926 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES)

27 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.884	.935	.980	1.039	1.086	1.102	1.105	1.074	1.009	1.059	.948	.882	.982
1932	.812	.885	.936	1.028	1.077	1.095	1.102	1.090	1.018	.962	.959	.840	.984
1933	.835	.829	.894	1.041	1.042	1.098	1.088	1.128	1.050	.984	.903	.878	.981
1934	.828	.866	.921	1.023	1.118	1.081	1.099	1.095	1.023	.987	.916	.907	.989
1935	.829	.897	.905	1.032	1.117	1.120	1.033	1.081	.971	.961	.924	.894	.980
1936	.814	.855	.947	1.081	1.054	1.156	1.088	1.004	1.090	.973	.930	.863	.988
1937	.831	.889	.918	1.044	1.089	1.091	1.200	1.065	1.077	.984	.930	.839	.996
1938	.845	.794	.958	1.013	1.062	1.087	1.086	1.112	1.076	.982	.885	.874	.981
1939	.748	.863	.914	1.046	1.093	1.052	1.004	1.003	1.117	1.010	.935	.930	.985
1940	.828	.900	.996	1.076	1.133	1.182	1.172	1.166	1.106	1.016	.968	.924	1.039
Mean	.825	.871	.937	1.042	1.087	1.106	1.108	1.082	1.054	.992	.930	.883	.993

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	81.7	79.3	76.3	65.4	62.2	57.2	54.9	57.8	66.0	67.8	74.1	80.3	68.6
1932	87.8	79.8	74.8	63.8	59.3	51.4	50.7	58.4	63.1	72.0	75.7	82.4	68.3
1933	83.3	82.1	77.8	67.8	60.6	55.4	51.3	53.0	61.9	72.6	74.6	77.0	68.1
1934	84.0	82.3	79.5	70.4	58.6	53.3	52.0	57.0	65.8	71.4	74.0	79.6	69.0
1935	83.0	81.9	77.2	65.4	56.6	51.6	55.2	58.6	65.6	74.1	79.3	81.4	69.2
1936	86.7	83.1	73.4	64.4	58.9	52.4	53.7	64.2	62.2	72.4	78.9	82.2	69.4
1937	79.2	81.8	77.0	64.3	62.1	52.8	48.8	57.0	62.6	74.6	78.6	80.8	68.3
1938	81.8	78.2	77.9	67.7	61.3	55.4	53.0	53.9	63.6	74.1	81.0	83.5	69.3
1939	85.8	79.0	73.4	66.8	61.3	54.8	50.7	56.2	60.7	68.7	75.9	79.7	67.7
1940	85.9	77.1	75.4	64.7	54.9	52.9	50.7	55.7	63.7	77.9	75.3	83.0	68.1
Mean	83.9	80.5	76.3	68.1	59.6	53.7	52.1	57.2	63.5	72.6	76.7	81.0	68.6

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.08	0.00	0.24	0.50	1.19	1.68	0.02	0.10	0.28	0.78	0.35	1.07	6.29
1932	0.00	0.76	4.08	0.16	1.25	0.03	0.00	0.08	0.00	2.63	0.33	0.00	9.32
1933	0.20	0.84	1.40	0.83	0.24	0.04	0.00	2.00	0.88	0.00	2.91	0.77	10.11
1934	0.14	0.77	0.14	0.00	0.00	0.00	0.41	0.31	0.11	0.29	3.80	0.00	5.97
1935	1.32	0.00	0.96	1.68	0.00	0.14	0.00	0.50	0.39	0.08	1.05	0.00	6.12
1936	1.20	4.29	0.84	0.00	1.86	0.00	0.75	0.09	0.00	0.51	0.03	0.83	10.40
1937	3.75	0.17	0.05	0.72	0.00	0.33	0.00	0.95	0.00	0.06	2.02	1.03	9.08
1938	3.41	1.88	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.87	0.56	0.00	8.51
1939	2.68	4.24	2.32	0.80	0.00	1.73	2.46	0.00	0.00	1.15	1.10	0.00	16.48
1940	5.52	1.92	0.00	2.58	0.00	0.05	0.00	0.00	0.00	0.27	0.00	0.34	10.68
Mean	1.83	1.49	1.00	0.73	0.45	0.58	0.36	0.40	0.17	0.66	1.22	0.41	9.30

\* See NOTES, p. 24.

BRISBANE,\* QUEENSLAND

Lat. 27°28' S. Long. 153°2' E. H<sub>b</sub> = 134 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(9^h + 15^h)$ , 150th meridian E.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.866	.926	1.061	1.016	1.124	1.168	1.062	1.090	1.028	1.068	.968	.900	1.023
1932	.900	.863	.994	.976	1.165	1.046	1.050	1.142	1.026	.968	1.030	.876	1.003
1933	.822	.863	.886	1.066	1.027	1.091	1.062	1.191	1.078	1.014	.995	.896	.999
1934	.937	.936	1.041	1.006	1.151	1.114	1.090	1.078	1.059	1.078	.956	.818	1.022
1935	.804	.860	.974	.983	1.093	1.084	1.041	1.152	1.009	1.028	.992	.877	.991
1936	.872	.938	.976	1.050	1.125	1.103	1.162	1.028	1.102	.938	.942	.914	1.012
1937	.802	.904	.972	.969	1.048	1.026	1.224	1.118	1.142	.971	.983	.836	1.000
1938	.870	.773	.942	.942	1.105	1.118	1.067	1.139	1.138	1.073	.981	.897	1.000
1939	.840	.978	.907	1.074	1.123	1.015	1.088	.841	1.076	1.070	.932	.939	.990
1940	.820	.875	1.067	1.093	1.113	1.214	1.178	1.172	1.122	1.108	.885	.979	1.052
Mean	.853	.892	.982	1.017	1.107	1.098	1.102	1.095	1.078	1.032	.961	.893	1.009

TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	80.3	74.6	74.5	69.7	66.4	62.4	59.8	61.8	65.8	67.8	72.2	75.2	69.2
1932	78.0	78.5	76.0	71.9	65.0	60.0	58.3	60.2	64.0	68.6	72.4	75.2	69.0
1933	77.7	76.8	76.7	70.0	65.4	60.4	59.6	58.5	64.6	70.4	70.0	74.2	68.7
1934	74.8	75.1	73.3	69.8	64.2	58.1	59.7	60.6	64.8	67.6	71.3	73.6	67.7
1935	77.6	78.2	73.2	69.0	63.0	60.1	58.4	59.9	64.2	69.8	72.2	76.2	68.5
1936	75.7	75.8	72.8	68.8	65.0	59.7	59.8	62.8	65.0	73.0	74.1	76.6	69.1
1937	78.9	75.2	74.1	69.2	65.3	59.2	59.0	60.8	66.0	72.0	71.6	76.4	69.0
1938	77.0	78.8	75.2	71.6	66.8	60.3	57.9	59.3	63.4	69.9	73.7	77.9	69.3
1939	78.1	76.3	74.3	69.3	65.9	60.5	57.3	60.6	62.4	66.4	72.3	75.0	68.2
1940	79.3	77.0	73.7	69.6	63.8	61.1	58.7	61.5	65.1	69.1	74.7	75.4	69.1
Mean	77.7	76.6	74.4	69.9	65.1	60.2	58.9	60.6	64.5	69.5	72.5	75.6	68.8

TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.54	19.09	14.92	3.61	2.20	0.57	1.78	0.90	0.91	0.58	8.51	9.11	66.72
1932	3.06	0.70	1.46	5.36	1.66	0.60	0.27	0.38	3.00	2.97	2.84	2.49	24.79
1933	10.01	2.44	0.55	8.94	0.55	1.37	3.24	0.90	4.28	3.82	8.41	5.20	49.71
1934	3.26	16.16	0.82	6.33	2.39	0.76	5.11	1.26	1.33	1.34	5.68	9.82	54.26
1935	6.76	6.59	1.06	3.62	1.55	0.06	2.06	1.64	3.49	4.93	1.26	3.63	34.64
1936	5.73	1.27	5.96	0.21	1.14	1.90	1.31	0.10	0.84	0.16	1.35	1.80	21.77
1937	1.57	6.25	7.26	0.92	0.25	0.73	1.15	1.40	0.20	3.59	7.94	4.53	34.79
1938	7.70	5.62	4.24	1.01	11.81	0.86	1.43	1.21	0.99	3.45	4.76	0.41	43.49
1939	1.97	2.61	15.72	4.47	1.35	2.44	2.00	2.29	0.45	2.31	2.54	3.28	41.43
1940	7.47	7.98	8.72	0.50	0.71	1.07	0.32	0.40	0.75	1.97	4.66	7.82	42.37
Mean	5.11	6.67	6.07	3.50	2.36	1.04	1.87	1.05	1.62	2.51	4.79	4.81	41.40

\* See NOTES, p. 25.

## COOLGARDIE, WESTERN AUSTRALIA

Lat. 30°57' S. Long. 121°10' E. H = 1,389 ft.

## PRESSURE AT SEA LEVEL

Means of day

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	15.1	15.7	17.5	20.0	20.9	19.8	19.1	15.7	19.4	16.4	12.1	...
1932	9.6	13.7	14.9	17.5	18.4	19.9	19.9	19.0	18.4	14.6	14.3	12.0	16.0
1933	11.7	10.9	13.6	18.8	16.6	19.1	21.7	21.3	18.4	14.2	15.2	12.0	16.1
1934	8.6	10.6	12.8	19.6	18.7	19.3	19.9	19.6	15.0	14.6	12.7	11.2	15.2
1935	10.7	12.6	14.2	18.8	19.0	22.8	15.9	19.0	14.3	15.1	12.4	12.7	15.6
1936	9.1	11.4	14.4	19.8	18.0	21.6	20.2	15.6	19.2	15.3	13.0	11.0	15.7
1937	9.5	12.8	13.9	17.3	16.7	19.4	25.4	18.8	19.0	15.5	13.7	9.8	16.0
1938	12.7	12.5	15.1	16.2	18.7	21.9	19.9	15.7	17.4	14.3	11.5	10.5	16.0
1939	7.6	12.8	14.5	16.1	18.5	17.1	19.9	15.4	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	9.9	12.5	14.3	18.0	18.3	20.2	20.3	18.9	17.2	15.5	13.6	11.4	*15.8

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (Max. + Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	74.2	71.1	64.3	54.2	38.9	51.8	53.5	58.0	62.9	65.5	77.3	...
1932	81.1	77.5	72.7	64.3	59.9	52.9	51.4	51.2	58.3	60.7	70.7	73.9	64.5
1933	75.3	81.1	72.3	64.4	58.3	55.5	51.1	52.9	58.3	63.7	67.7	75.7	64.7
1934	81.8	84.2	73.5	61.5	63.8	52.5	50.1	55.1	59.5	62.0	65.7	75.7	65.5
1935	76.3	75.7	69.1	63.9	59.2	51.1	50.3	51.9	57.7	60.5	71.3	72.9	63.3
1936	80.9	75.8	75.5	65.4	57.5	52.7	50.7	54.5	59.7	64.1	72.6	75.1	65.4
1937	76.1	77.1	70.9	67.1	58.7	52.1	50.8	51.4	58.9	67.3	68.1	74.0	64.4
1938	74.3	74.9	73.7	67.7	57.8	50.6	51.3	53.3	61.6	66.5	73.1	78.3	65.3
1939	76.5	76.5	71.6	66.0	59.3	52.5	50.5	52.0	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	69.1	77.4	72.3	65.0	58.7	51.0	50.9	52.9	59.0	63.5	69.3	75.4	*63.7

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	1.21	0.59	0.48	1.27	2.71	0.78	1.57	0.33	0.38	1.65	0.00	†12.49
1932	0.30	1.20	0.55	1.15	0.79	0.39	0.37	2.92	0.35	2.15	0.04	0.44	10.74
1933	0.11	0.02	1.04	0.30	1.78	0.59	0.72	2.36	0.38	0.55	0.96	0.40	9.21
1934	0.99	0.00	1.81	3.2-	0.1-	1.2-	0.92	0.61	1.14	0.25	1.10	0.00	11.31
1935	0.66	1.15	1.00	0.90	0.12	1.27	1.19	0.74	0.02	2.78	0.25	0.39	10.47
1936	1.03	0.12	0.09	0.18	0.26	0.99	1.15	0.31	0.10	0.09	1.03	1.48	7.43
1937	1.04	0.38	4.86	0.12	1.01	1.01	0.09	0.63	0.19	0.15	1.59	0.11	11.18
1938	0.70	0.49	0.60	0.12	0.76	1.19	2.41	0.57	0.27	0.00	0.39	0.64	8.14
1939	6.43	0.01	0.00	1.44	0.32	1.32	1.01	0.84	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1.49	0.51	1.67	0.89	0.70	1.13	0.96	1.17	0.35	0.79	0.87	0.43	†10.51

\* Mean of 12 monthly means.

† Includes normal value for January.

‡ Sum of 12 monthly means.



## DARWIN,\* NORTHERN TERRITORY

Lat. 12°28' S. Long. 130°51' E. H<sub>b</sub> = 97 ft.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(9^h + 15^h)$ , local meridian  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.715	.775	.783	.807	.867	.904	.920	.900	.861	.868	.794	.732	.827
1932	.687	.748	.763	.830	.855	.898	.928	.930	.874	.832	.796	.718	.822
1933	.732	.692	.727	.810	.860	.898	.914	.922	.876	.818	.770	.718	.811
1934	.704	.746	.738	.790	.866	.876	.899	.932	.889	.852	.784	.748	.819
1935	.690	.747	.706	.807	.885	.908	.906	.929	.848	.815	.802	.768	.818
1936	.727	.734	.754	.800	.828	.903	.900	.888	.871	.846	.806	.731	.816
1937	.683	.760	.708	.802	.884	.890	.925	.903	.898	.851	.774	.722	.817
1938	.682	.696	.766	.795	.820	.867	.878	.874	.876	.846	.759	.730	.799
1939	.673	.703	.723	.799	.861	.895	.909	.871	.923	.871	.802	.801	.819
1940	.697	.723	.788	.846	.889	.943	.953	.946	.947	.937	.814	.821	.859
Mean	.699	.732	.746	.809	.861	.898	.913	.909	.886	.854	.790	.749	.821

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	83.5	86.7	83.8	84.2	83.3	81.1	78.6	79.9	83.4	83.7	85.0	86.2	83.3
1932	85.8	84.8	83.4	85.0	81.8	79.6	75.4	77.8	82.6	85.8	85.2	84.4	82.6
1933	85.7	82.9	83.0	84.6	82.4	78.8	75.8	79.6	82.8	85.2	84.8	82.8	82.4
1934	82.8	81.3	82.2	84.2	81.3	79.5	78.2	78.2	82.0	84.8	85.6	86.8	82.2
1935	84.2	84.0	82.2	83.5	81.0	77.4	75.2	79.4	82.3	84.3	85.9	86.4	82.2
1936	83.6	84.0	84.1	84.4	82.2	79.3	79.2	81.4	83.8	85.2	86.0	85.5	83.2
1937	82.4	85.0	83.2	83.8	82.0	78.8	75.0	77.7	83.0	84.8	86.6	84.4	82.2
1938	82.6	82.8	85.0	85.2	83.3	79.8	76.8	79.6	82.6	84.2	82.6	84.6	82.4
1939	82.0	82.5	82.6	82.1	80.5	77.3	77.5	77.3	81.1	83.7	84.5	84.9	81.3
1940	81.9	80.7	82.0	82.7	79.1	77.5	76.3	77.9	80.8	82.9	84.7	84.6	80.9
Mean	83.5	83.5	83.1	84.0	81.7	78.9	76.8	78.9	82.4	84.5	85.1	85.1	82.3

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	27.40	0.53	12.83	1.86	0.36	0.00	0.00	0.00	1.60	3.97	6.51	4.93	59.99
1932	13.01	11.12	16.44	3.19	0.00	0.00	0.00	0.00	0.00	1.27	5.98	16.86	67.87
1933	7.37	16.72	14.15	4.68	1.80	0.20	0.00	0.00	2.29	1.78	6.85	11.36	67.20
1934	13.08	12.37	15.05	3.66	0.00	0.00	0.00	0.00	0.00	2.19	6.06	0.98	53.39
1935	15.78	8.42	19.97	1.06	0.02	0.65	0.00	0.00	0.26	4.50	4.49	5.52	60.67
1936	15.39	11.23	9.79	0.91	0.30	0.00	0.00	0.00	0.34	1.63	2.40	8.17	50.16
1937	13.32	4.31	12.80	0.78	0.00	0.08	0.00	0.00	0.07	0.73	2.68	6.70	41.47
1938	13.85	16.97	2.17	1.12	0.17	0.12	0.00	0.00	0.62	3.84	15.72	3.96	58.54
1939	20.34	13.67	9.90	2.84	0.00	0.80	0.02	0.00	0.10	0.35	3.43	6.45	57.90
1940	19.18	18.91	11.96	2.76	0.07	0.01	0.00	0.00	0.31	0.80	5.40	8.65	68.06
Mean	15.87	11.42	12.50	2.29	0.27	0.19	0.00	0.00	0.56	2.11	5.95	7.36	58.52

\* See NOTES, p. 25.

## HOBART, TASMANIA

Lat. 42°53' S. Long. 147°20' E. H = 177 ft.

## PRESSURE AT SEA LEVEL

Means of day  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	6.4	11.7	16.7	19.8	12.6	15.4	10.4	9.2	5.5	10.0	12.8	13.6	12.0
1932	6.9	10.8	13.6	13.0	23.3	18.3	17.5	14.9	18.8	10.3	11.1	7.9	13.9
1933	10.1	7.6	10.1	17.4	11.9	17.9	17.5	10.7	13.4	10.1	18.0	13.2	13.7
1934	13.1	14.2	18.8	19.0	22.8	22.0	16.4	14.4	9.9	10.1	11.8	12.5	15.4
1935	6.6	15.1	13.0	12.6	16.8	16.5	12.1	12.2	14.4	12.1	10.0	14.1	13.0
1936	12.9	15.4	16.2	14.1	19.1	18.8	17.3	2.9	12.4	5.6	9.8	13.7	13.2
1937	5.3	18.2	15.9	15.7	9.9	25.1	18.0	17.9	11.7	16.1	15.1	9.7	14.9
1938	11.2	6.8	15.1	13.5	18.6	13.7	19.8	17.0	11.9	12.3	11.3	6.0	13.1
1939	11.2	13.0	18.9	16.9	19.8	8.4	18.0	*99.6	9.9	13.6	8.4	6.0	†11.8
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	9.3	12.5	15.4	15.8	17.2	17.3	16.3	11.6	12.0	11.1	12.0	11.3	13.5

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.8	61.3	58.7	54.3	53.2	47.7	45.4	47.9	50.3	53.5	55.4	58.1	53.7
1932	62.7	61.1	59.7	55.1	51.7	57.1	45.7	48.2	51.3	52.5	57.9	58.5	55.1
1933	58.9	58.3	58.1	52.7	50.5	47.5	46.7	46.6	52.3	56.2	56.1	60.2	53.7
1934	61.7	62.8	61.7	53.1	54.0	45.1	46.9	49.5	51.9	54.3	58.1	59.1	54.9
1935	61.4	62.4	57.7	55.6	49.6	46.4	47.1	49.7	50.5	53.4	56.5	59.5	54.1
1936	62.1	63.1	60.1	54.6	51.3	45.8	47.0	47.1	49.9	53.8	56.9	59.5	54.3
1937	59.5	61.1	59.6	53.1	50.3	43.1	47.6	50.1	52.3	55.5	59.7	59.7	54.3
1938	61.2	62.7	59.4	56.5	52.4	47.5	44.7	48.4	52.1	55.3	57.9	57.8	54.7
1939	60.8	61.7	58.5	57.7	55.2	48.5	45.3	47.8	49.7	53.5	56.3	...	†54.5
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	60.8	61.6	59.3	54.7	52.0	47.6	46.3	48.4	51.1	54.2	57.2	59.1	54.4

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.25	2.10	4.16	1.80	2.24	3.36	2.64	1.19	1.77	3.64	2.85	0.17	27.17
1932	0.28	1.32	6.46	3.10	0.35	2.48	2.20	4.59	1.63	4.15	1.26	2.47	30.29
1933	2.18	1.50	2.11	2.22	1.71	1.39	1.16	0.99	1.65	4.30	2.04	1.93	23.18
1934	1.00	1.27	0.64	2.6-	0.3-	1.0-	2.11	1.30	3.12	2.69	1.85	6.23	23.11
1935	1.05	4.96	1.56	8.50	0.87	2.42	1.25	2.08	0.79	2.58	2.91	3.25	32.27
1936	0.65	0.28	0.81	1.50	0.76	2.14	1.20	3.12	1.27	1.65	1.92	4.30	19.60
1937	3.38	0.57	1.47	0.96	2.97	1.31	1.09	1.09	1.87	2.63	0.75	2.56	20.65
1938	3.65	4.26	4.66	1.28	1.15	4.08	3.78	1.11	0.91	1.83	2.24	2.27	31.22
1939	0.65	2.15	1.69	1.16	1.50	4.05	1.87	4.20	3.14	1.28	3.88	...	†27.09
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	1.57	2.05	2.62	2.57	1.32	2.47	1.92	2.19	1.79	2.75	2.19	2.52	†25.95

\* 900 mb. +.

† Normal value used for missing month.

‡ Sum of 12 monthly means.

## PERTH, WESTERN AUSTRALIA

Lat. 31°57' S. Long. 115°51' E. H = 197 ft.

## PRESSURE AT SEA LEVEL

Means of day

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.4	16.1	15.5	17.2	19.9	20.1	17.1	17.7	17.2	19.8	17.3	12.8	17.1
1932	18.1	14.0	17.0	17.1	16.5	18.3	18.1	18.7	19.2	15.5	16.9	13.2	16.9
1933	12.1	17.0	13.9	18.4	16.0	16.8	21.2	19.9	18.6	16.4	16.2	13.6	16.7
1934	10.7	11.6	12.8	20.0	17.9	19.1	19.9	19.0	16.2	17.8	15.1	13.5	16.1
1935	11.9	12.6	14.2	18.6	19.1	23.0	15.7	18.7	17.1	17.9	15.8	...	...
1936	11.0	13.4	15.1	20.2	18.8	20.2	19.7	15.9	19.1	17.8	15.1	18.0	17.0
1937	11.2	13.3	14.2	16.4	16.8	18.2	25.2	18.1	26.6	17.4	15.1	12.7	17.1
1938	13.7	11.4	15.9	17.2	17.1	23.5	17.7	22.7	17.9	17.7	13.4	12.7	16.7
1939	9.7	13.1	13.9	18.7	17.3	15.1	18.1	20.6	21.8	16.7	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	12.5	13.6	14.7	18.2	15.6	19.4	19.2	19.0	19.3	17.4	15.6	13.8	*16.5

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	74.5	70.9	72.7	65.7	57.6	52.8	56.3	56.0	57.1	63.3	68.1	77.9	64.4
1932	77.9	76.7	70.1	65.8	62.5	57.1	56.7	54.3	58.7	61.5	66.1	70.3	64.3
1933	74.3	78.5	71.5	68.3	60.9	59.5	54.3	55.6	59.5	61.1	69.7	73.4	65.5
1934	77.1	77.9	73.9	65.5	64.8	56.4	54.9	57.0	58.8	59.9	64.6	70.0	65.1
1935	74.7	75.7	70.8	67.0	62.7	56.5	55.3	56.1	57.4	59.5	64.8	...	...
1936	73.5	73.5	74.5	67.3	59.9	56.4	54.6	58.4	61.6	62.0	69.5	73.3	65.4
1937	73.8	75.9	71.7	69.9	61.7	56.7	55.1	56.3	57.9	62.5	68.2	69.5	64.9
1938	73.0	72.2	70.3	65.7	61.1	56.1	56.1	57.1	60.9	61.3	66.7	70.9	64.3
1939	69.7	75.1	72.5	66.8	60.8	56.9	55.2	55.9	59.5	62.6	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	74.3	75.2	72.0	66.9	61.3	56.5	55.4	57.1	59.0	61.5	67.2	72.2	*64.9

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 10 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.03	0.04	0.90	3.96	6.29	6.54	7.90	6.84	5.27	1.01	0.03	0.37	39.18
1932	0.19	0.00	0.17	3.16	8.22	6.47	9.72	6.13	1.58	3.43	0.13	0.20	39.40
1933	0.57	0.11	1.15	0.80	4.67	6.52	4.99	5.67	2.62	5.09	0.24	0.04	32.47
1934	0.27	0.16	5.7-	1.3-	4.9-	11.4-	5.88	5.65	3.32	0.98	0.72	0.35	40.61
1935	0.18	0.36	0.16	2.07	4.52	4.13	10.61	3.97	3.41	2.20	0.24	...	...
1936	0.26	0.00	0.21	0.59	5.43	7.43	4.89	7.26	0.10	1.00	0.46	1.36	30.64
1937	0.02	1.08	0.15	4.05	7.34	8.97	2.53	6.80	2.69	1.48	0.67	0.17	35.23
1938	0.21	0.13	1.75	1.85	1.75	5.51	5.42	5.51	3.72	1.75	1.79	0.25	29.64
1939	0.68	1.14	0.07	1.08	7.80	11.15	11.18	8.69	0.43	2.27	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	0.27	0.34	1.14	2.10	5.66	7.57	7.01	6.28	2.57	2.13	0.54	0.34	†35.95

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## SYDNEY, NEW SOUTH WALES

Lat. 33°52' S. Long. 151°13' E. H<sub>b</sub> = 138 ft.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hourly readings, 150th meridian E.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.844	.989	1.058	1.083	1.096	1.118	1.005	1.034	.945	1.005	.983	.926	1.007
1932	.874	.876	.980	.977	1.252	.998	1.020	1.084	1.073	.924	.994	.842	.992
1933	.817	.837	.939	1.104	.988	1.116	1.085	1.159	1.061	.990	1.014	.941	1.004
1934	.924	.942	1.093	1.025	1.237	1.103	1.073	1.021	1.009	1.003	.937	.849	1.018
1935	.806	.929	1.001	.936	1.109	1.080	1.037	1.093	1.002	.981	.947	.899	.985
1936	.890	.977	1.036	1.050	1.173	1.085	1.118	.934	1.093	.906	.930	.908	1.008
1937	.780	.991	1.021	1.015	1.010	1.088	1.227	1.106	1.018	.994	1.041	.814	1.009
1938	.909	.789	.967	.987	1.173	1.091	1.074	1.107	1.095	1.017	.912	.850	.998
1939	.843	.957	.999	1.095	1.159	.933	1.100	.697	1.045	1.057	.883	.885	.971
1940	.803	.855	1.107	1.102	1.138	1.212	1.159	1.204	1.089	1.070	.869	.943	1.046
Mean	.849	.914	1.020	1.037	1.133	1.082	1.090	1.044	1.043	.995	.951	.886	1.004

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	72.2	70.8	70.4	61.4	61.3	56.5	54.5	56.9	59.7	62.0	66.2	67.5	63.5
1932	72.6	71.5	70.1	65.2	59.3	54.5	53.0	56.4	58.3	62.1	68.2	69.2	63.4
1933	70.7	70.5	69.1	63.7	59.8	56.0	54.8	53.2	58.9	64.2	63.9	68.9	62.3
1934	71.9	70.6	70.8	64.3	60.4	54.5	55.2	55.8	61.0	61.8	65.9	66.6	63.2
1935	71.0	72.0	68.7	64.4	58.4	54.3	54.1	56.9	57.8	64.6	66.0	68.6	63.1
1936	70.6	69.8	68.9	63.0	59.8	54.2	54.5	58.8	58.0	65.6	67.1	71.7	63.5
1937	73.2	71.3	70.2	62.8	59.8	54.0	53.7	56.7	62.0	63.9	67.5	72.0	63.9
1938	72.2	72.0	71.2	67.0	61.3	55.2	52.8	54.9	59.3	65.1	69.4	71.4	64.3
1939	72.3	74.1	69.7	66.1	61.7	56.5	51.8	57.0	58.8	61.6	67.3	71.1	64.0
1940	73.3	72.6	72.9	64.9	58.5	56.3	54.9	56.3	60.7	65.1	66.5	71.5	64.5
Mean	72.0	71.5	70.2	64.6	60.0	55.2	53.9	56.3	59.5	63.6	66.3	69.9	63.6

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.02	1.48	7.39	7.24	3.50	2.26	12.77	0.32	4.95	0.89	3.05	3.35	49.22
1932	0.25	5.61	3.11	3.49	2.18	1.13	2.57	2.31	7.95	0.87	3.73	4.27	37.47
1933	6.46	0.23	2.26	7.54	5.89	1.89	3.48	0.25	2.78	4.06	4.54	3.33	42.71
1934	2.35	8.60	1.93	7.94	5.11	4.12	9.04	6.12	7.34	1.93	4.23	6.20	64.91
1935	3.06	3.47	2.36	0.97	2.07	4.82	1.52	0.22	2.16	3.48	2.14	4.70	30.97
1936	4.48	5.05	3.98	1.85	2.27	2.83	0.84	1.36	1.29	1.15	0.29	4.83	30.22
1937	2.12	1.30	9.06	5.58	0.75	15.80	3.29	4.15	0.49	3.31	3.66	2.49	52.00
1938	9.36	3.56	1.32	2.39	3.81	0.49	2.92	8.31	1.89	2.93	1.73	0.46	39.17
1939	3.23	0.12	10.86	3.93	3.16	0.72	1.23	2.94	2.91	1.98	2.05	0.54	33.67
1940	0.56	0.78	0.59	6.16	5.93	1.59	4.74	2.46	3.17	2.56	2.42	8.38	39.34
Mean	3.39	3.02	4.29	4.71	3.47	3.57	4.24	2.84	3.49	2.32	2.78	3.85	41.97

# EUROPE

## OBIR, AUSTRIA

Lat. 46°30' N. Long. 14°29' E. H<sub>b</sub> = 2,044 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 14th meridian E.  
500 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	89.0	87.9	89.2	91.0	96.0	99.9	98.0	96.8	95.6	96.7	94.8	94.4	94.1
1932	99.5	92.2	90.5	90.5	94.4	97.2	97.8	102.1	99.7	93.1	96.7	98.2	96.0
1933	92.7	89.9	94.2	93.7	93.5	93.5	100.5	59.9	98.6	95.3	90.8	89.9	94.4
1934	95.5	96.0	88.8	93.0	97.8	97.2	98.6	97.8	100.4	99.7	95.1	91.9	95.8
1935	90.3	87.6	93.7	90.9	94.8	99.9	100.6	99.0	99.0	94.4	93.8	86.8	94.3
1936	89.7	86.8	92.1	90.9	94.1	97.5	99.0	100.5	98.7	93.6	94.5	97.2	94.5
1937	93.0	88.1	87.3	91.2	98.3	98.7	98.6	98.0	97.0	96.9	92.2	87.8	93.9
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

### TEMPERATURE IN DEGREES C. h<sub>t</sub> = 3.5 m.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h + 21^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-7.8	-8.6	-6.7	-3.0	4.5	9.4	9.6	8.0	1.2	1.1	-1.5	-6.8	-0.1
1932	-3.0	-11.3	-7.5	-3.0	3.1	5.2	9.3	11.4	9.6	2.2	-1.1	-1.9	1.1
1933	-8.8	-7.8	-4.4	-2.0	1.2	3.5	9.1	9.1	6.0	1.9	-3.6	-8.2	-0.3
1934	-6.4	-6.1	-3.6	0.8	4.9	6.2	9.7	8.2	7.1	1.8	-2.2	-2.0	1.5
1935	-11.1	-7.2	-7.1	-2.1	1.5	8.9	9.4	8.1	7.0	3.2	-1.8	-6.7	0.2
1936	-3.9	-6.2	-2.9	-1.0	3.4	6.3	9.8	7.8	6.0	-2.1	-1.9	-3.9	1.0
1937	-5.7	-4.7	-3.8	-1.7	4.1	8.1	9.1	8.1	5.5	2.2	-3.4	-6.9	0.9
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

### TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	72	84	58	88	44	202	131	191	197	210	137	52	1466
1932	24	28	58	109	147	134	103	112	82	206	60	44	1107
1933	66	104	66	66	309	157	84	121	211	321	157	139	1801
1934	148	20	180	139	153	313	185	364	151	189	177	136	2155
1935	175	118	56	94	129	61	99	140	84	230	76	63	1825
1936	166	167	35	114	200	184	191	114	174	184	207	45	1781
1937	32	93	266	304	78	292	254	219	319	180	152	199	2388
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...



## WIEN (VIENNA), AUSTRIA

Lat. 48°15' N. Long. 16°22' E. H<sub>b</sub> = 203 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.\*Means of  $\frac{1}{4}(7^h+14^h+21^h)$ , 16°22' meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	41.9	41.8	42.6	41.6	41.8	44.8	42.2	41.9	44.2	46.4	47.0	48.9	43.8
1932	53.7	49.6	44.7	39.6	40.8	43.5	41.7	40.3	44.3	40.8	48.5	51.8	45.4
1933	49.5	43.7	46.4	44.6	41.8	39.8	45.8	45.2	45.5	44.2	42.5	46.0	44.6
1934	50.5	49.8	38.7	40.8	44.9	43.0	42.3	42.2	46.5	45.7	45.8	42.3	44.4
1935	46.8	39.2	47.7	40.0	43.5	45.2	44.9	43.9	44.0	42.0	44.5	38.7	43.4
1936	39.7	38.8	42.2	39.6	41.2	43.3	43.2	46.1	45.6	44.1	45.6	50.2	43.3
1937	47.4	38.7	37.1	40.6	45.1	44.3	43.5	43.2	43.5	45.7	44.1	42.0	42.9
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	47.1	43.1	42.8	41.0	42.7	43.4	43.4	44.1	44.9	44.1	45.5	45.7	44.0

TEMPERATURE IN DEGREES C. h<sub>r</sub> = 1.9 m.Mean of  $\frac{1}{4}(7^h+14^h+21^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.6	-0.3	1.5	7.4	17.9	19.5	20.3	17.6	11.6	8.4	3.7	0.6	9.1
1932	0.7	-2.8	1.1	10.1	15.4	17.0	21.2	20.8	18.9	10.7	4.6	0.0	9.7
1933	-3.3	1.5	4.9	8.4	13.5	16.0	19.1	18.9	14.5	9.7	4.1	-3.9	8.6
1934	-0.4	1.5	7.2	12.6	16.4	17.8	21.5	19.4	16.5	10.1	6.2	5.5	11.2
1935	-2.3	1.6	3.2	9.3	12.7	19.8	20.3	18.7	15.6	11.3	5.4	0.8	9.6
1936	2.9	1.7	6.5	10.0	15.1	18.2	20.2	17.8	14.8	7.0	4.0	1.8	9.9
1937	-2.7	2.3	5.9	9.6	17.1	19.2	19.7	18.8	15.0	11.0	4.9	0.4	10.0
1938	1.0	1.9	9.0	6.9	13.1	19.4	19.8	19.3	14.4	10.8	6.8	-1.6	10.1
1939	1.4	3.2	2.5	12.7	13.2	18.2	20.0	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	-0.2	1.2	4.7	9.7	15.0	18.4	20.2	18.9	15.2	9.9	5.0	0.4	9.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	19	58	35	39	11	73	76	107	131	43	34	34	660
1932	35	16	29	17	71	16	64	47	8	43	50	8	404
1933	15	26	11	27	35	76	80	74	56	30	26	30	486
1934	34	45	16	23	56	58	14	106	39	31	31	48	501
1935	36	73	49	80	90	18	46	39	23	93	26	32	605
1936	40	51	33	33	176	36	81	49	18	165	20	19	721
1937	29	44	108	64	12	78	106	116	131	28	51	62	829
1938	56	16	56	46	89	30	56	242	58	21	44	37	761
1939	34	14	75	11	131	46	82	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	33	38	46	60	75	48	67	93	58	57	35	36	620

\* A correction of +0.2 mm. was applied for gravity.

### ABERDEEN, BRITISH EMPIRE

Lat. 57°10' N. Long. 2°6' W. H<sub>b</sub> = 26.0 m.

#### PRESSURE AT SEA LEVEL

Means of 24 hours

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	6.4	5.0	16.7	10.5	10.0	13.9	4.9	14.3	21.4	15.6	3.8	17.0	11.6
1932	10.6	34.4	12.4	4.1	12.3	18.5	8.6	17.7	7.4	0.7	13.3	12.6	12.7
1933	15.1	12.0	8.9	16.6	15.5	12.0	13.6	12.6	18.0	10.9	14.8	10.4	13.4
1934	9.3	24.7	2.5	7.8	13.8	18.1	14.1	7.6	9.7	5.3	15.8	*98.6	10.6
1935	21.0	*98.4	19.1	7.7	23.4	9.9	15.9	13.0	4.6	1.3	1.7	1.0	9.3
1936	*95.4	6.4	10.2	15.4	20.1	15.7	5.2	15.0	16.2	13.1	8.0	7.4	10.7
1937	3.3	*96.3	6.0	10.6	15.6	14.3	12.5	16.9	8.7	14.2	16.7	12.5	10.6
1938	1.2	21.4	14.4	25.2	13.6	9.9	9.7	14.0	13.5	1.9	*99.6	...	11.2
1939	1.8	7.7	14.1	11.9	19.5	15.4	7.0	16.3	21.2	16.5	3.0	13.9	12.4
1940	19.7	12.1	8.4	10.9	17.1	17.6	10.0	15.7	9.4	10.4	0.7	16.1	12.3
Mean	8.4	11.8	11.3	12.1	16.1	14.5	10.2	14.3	13.0	9.0	7.7	10.0	11.5

#### TEMPERATURE IN DEGREES F. h<sub>t</sub> = 12.5 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	37.7	37.4	36.3	43.3	48.8	52.3	56.5	53.2	51.4	47.6	46.3	42.4	46.1
1932	42.6	41.4	40.6	41.5	47.4	52.8	57.5	57.9	52.3	45.5	42.4	42.5	47.0
1933	36.9	38.2	43.6	46.0	48.6	56.2	61.4	59.8	55.0	49.4	44.0	40.0	48.3
1934	41.6	43.2	40.3	43.0	49.5	53.9	59.8	57.5	54.4	48.3	42.4	45.2	48.3
1935	41.0	40.2	43.8	42.8	45.8	53.1	58.3	58.5	53.1	46.7	43.6	37.0	47.0
1936	37.1	36.9	41.4	42.0	48.0	54.5	58.2	58.4	54.5	47.8	41.8	40.7	46.8
1937	40.6	38.2	36.5	44.5	49.5	54.7	56.9	56.7	53.7	49.7	42.8	37.7	46.8
1938	41.3	41.0	48.5	45.9	47.8	54.3	56.7	56.5	51.5	49.2	45.4	39.7	48.4
1939	38.0	42.6	41.6	43.9	49.7	55.5	56.7	58.1	54.5	46.3	44.5	39.7	47.5
1940	34.2	37.3	40.5	43.1	50.8	57.1	55.8	56.6	52.0	48.9	43.1	40.0	46.6
Mean	39.1	39.6	41.3	43.6	48.6	54.4	57.3	57.3	53.5	47.9	43.7	40.5	47.3

#### TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 0.6 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	73	67	38	39	104	88	75	47	22	39	111	33	736
1932	49	8	104	97	72	13	97	53	90	169	39	38	829
1933	47	94	51	52	25	22	78	31	23	119	88	47	672
1934	45	17	28	155	88	31	44	111	73	88	61	106	847
1935	43	45	52	105	41	107	74	60	108	73	108	81	897
1936	113	48	41	18	30	21	119	36	66	30	35	50	607
1937	125	58	70	27	38	35	100	57	46	73	44	77	750
1938	59	28	13	20	64	87	117	29	87	80	68	...	652
1939	95	57	59	21	29	33	124	33	55	76	76	51	709
1940	37	44	56	62	37	16	195	45	58	82	184	70	886
Mean	69	47	51	60	53	45	102	50	63	83	81	55	759

\* 900 mb. +.



## EDINBURGH, BRITISH EMPIRE

Lat. 55° 55' N. Long. 3° 11' W. H = 441 ft.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{2}(9^h + 21^h)$ , Greenwich meridian

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.0	7.7	17.1	11.8	10.9	15.1	6.4	14.9	23.3	8.9	4.5	20.3	12.5
1932	13.6	20.9	12.6	5.6	12.8	18.8	9.4	18.2	9.2	1.8	2.0	13.1	11.5
1933	16.4	8.3	9.7	7.6	7.8	7.0	14.3	14.2	20.2	11.8	15.8	23.4	13.0
1934	11.4	22.7	3.3	7.5	15.2	18.2	14.6	8.5	10.1	7.8	17.2	*98.4	11.2
1935	23.1	0.1	20.0	8.6	23.4	9.7	17.3	13.9	5.9	3.2	1.8	1.9	10.7
1936	*96.0	6.2	10.0	16.3	19.7	15.9	5.7	16.4	16.4	15.2	9.2	10.0	11.4
1937	3.2	*97.4	6.1	10.4	15.6	15.6	13.2	17.2	10.2	15.2	17.8	13.0	11.2
1938	3.6	3.0	17.4	27.2	14.0	11.4	10.8	14.6	14.1	4.0	1.6	...	†11.2
1939	2.5	10.3	15.4	13.2	19.9	16.3	7.8	16.8	21.9	15.8	4.4	15.3	13.3
1940	19.9	12.1	9.6	11.7	17.6	19.6	10.6	17.9	11.6	10.2	2.3	17.2	11.9
Mean	8.9	8.9	12.1	11.2	15.7	14.8	11.0	15.3	14.3	9.4	7.7	12.5	11.8

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	37.5	38.1	37.1	44.1	49.9	52.5	57.7	54.4	51.9	47.9	45.3	42.7	46.5
1932	43.7	40.3	41.1	41.9	47.9	54.3	58.7	58.9	53.5	46.1	42.8	42.3	47.6
1933	37.6	39.1	44.4	47.3	50.7	58.7	61.9	60.7	56.3	48.7	41.9	38.9	48.9
1934	41.3	42.5	39.7	43.8	50.4	55.5	61.9	57.5	55.9	48.2	43.0	44.5	48.7
1935	40.1	40.4	43.1	43.1	46.9	54.9	59.6	59.9	53.7	47.1	42.1	36.7	47.3
1936	36.9	35.9	42.5	42.1	49.8	55.7	58.3	59.6	55.5	48.1	41.9	41.7	47.3
1937	40.1	38.5	35.6	46.1	51.3	55.6	58.0	58.7	54.1	48.9	42.7	36.9	47.1
1938	40.7	40.7	47.7	46.1	49.0	54.8	57.5	57.2	55.7	49.2	46.3	...	†48.7
1939	37.5	41.9	41.8	44.6	51.4	56.7	57.9	59.5	56.0	46.1	44.7	38.7	48.1
1940	32.4	36.5	41.7	43.8	52.3	60.1	56.5	57.9	52.2	48.1	43.4	39.7	47.1
Mean	38.8	39.4	41.5	44.2	50.0	55.9	58.8	58.4	54.5	47.3	43.4	40.2	47.7

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.94	1.85	1.30	2.02	2.77	4.25	3.57	5.59	1.98	1.41	4.16	1.06	31.89
1932	2.99	0.18	2.64	2.07	2.83	1.00	1.90	0.37	2.48	5.82	1.56	4.80	28.63
1933	2.59	1.15	0.88	1.75	1.66	1.88	4.78	0.84	1.87	2.25	1.44	0.79	21.89
1934	1.96	0.09	2.72	4.07	1.24	2.47	2.83	3.27	1.69	2.27	0.93	2.50	26.04
1935	1.26	1.71	0.91	2.97	0.93	2.15	0.62	2.53	3.24	6.38	3.80	1.13	27.63
1936	3.59	2.44	1.74	1.41	0.83	1.28	4.36	1.19	2.92	1.35	2.11	1.95	25.18
1937	2.04	3.02	1.70	1.10	2.52	1.00	5.37	4.13	1.64	3.87	0.24	2.34	28.98
1938	3.32	0.58	0.57	0.15	4.18	6.42	2.43	1.15	2.15	4.50	4.46	...	...
1939	3.25	1.46	2.50	1.18	0.97	1.31	2.33	1.86	1.48	1.99	3.51	0.88	22.22
1940	0.77	0.87	2.24	2.17	1.70	0.46	8.26	0.74	2.35	2.28	3.69	2.26	27.79
Mean	2.37	1.34	1.72	1.89	1.96	2.22	3.65	2.12	2.18	3.21	2.59	1.97	27.21

\* 900 mb. +.

† Normal value used for missing month.

## GIBRALTAR, BRITISH EMPIRE

Lat. 36°6' N. Long. 5°21' W. H<sub>b</sub> = 400 ft.\*

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local meridian  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.2	20.5	13.2	13.8	16.0	17.0	15.4	15.3	16.1	17.9	18.6	22.1	17.2
1932	27.2	16.7	14.2	16.9	17.0	16.7	15.1	16.5	15.9	17.7	19.2	20.0	17.8
1933	18.8	17.3	18.9	17.4	15.8	14.7	17.9	16.3	15.6	15.8	12.8	16.5	16.5
1934	26.7	21.5	15.5	14.3	16.4	15.8	15.2	15.3	17.9	18.9	16.0	21.6	17.9
1935	20.2	21.8	18.8	17.5	14.2	17.7	16.2	14.2	17.4	17.1	17.8	17.5	17.5
1936	18.1	12.5	13.5	14.8	13.3	17.9	17.2	17.1	17.4	18.9	17.0	23.9	16.8
1937	21.1	20.6	16.0	16.8	18.0	17.3	15.6	14.7	15.4	13.8	17.0	18.5	17.1
1938	23.6	22.3	23.0	14.8	16.1	17.1	16.7	15.4	16.4	17.1	21.0	15.9	18.2
1939	20.0	21.5	17.4	16.1	15.0	16.2	16.5	15.4	15.2	15.2	20.6	...	†17.4
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	21.8	19.4	16.7	16.9	14.8	16.7	16.2	15.6	16.4	16.9	17.8	19.5	17.4

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.2	55.8	59.9	61.3	56.8	72.9	75.1	75.1	71.5	67.3	62.1	55.2	64.0
1932	55.5	53.1	59.2	59.9	64.9	68.2	72.7	74.7	72.2	65.5	60.1	56.3	63.5
1933	54.7	55.5	57.9	62.8	68.5	70.9	74.5	78.3	72.5	66.5	55.9	51.7	64.1
1934	53.5	53.3	54.9	59.1	65.7	72.1	75.7	75.1	73.5	67.9	58.0	58.1	63.9
1935	53.3	53.6	57.7	62.0	63.0	70.3	76.3	76.7	73.6	64.9	59.3	54.7	63.8
1936	55.8	55.9	55.1	58.5	59.0	64.7	70.9	72.8	72.6	63.7	56.9	54.1	61.7
1937	54.7	56.7	54.7	59.1	62.1	67.3	72.0	73.9	70.5	63.6	61.9	54.1	62.5
1938	52.9	53.5	55.9	58.5	62.5	70.2	72.2	63.9	68.7	65.5	61.3	53.8	61.8
1939	55.1	54.2	55.3	57.5	61.4	66.8	70.7	71.7	70.3	64.3	59.9	...	†61.8
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	54.5	54.6	56.7	59.9	62.6	69.3	73.3	73.6	71.7	65.5	59.5	54.8	63.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 2 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.28	0.17	8.09	5.48	0.36	0.20	0.00	0.00	1.46	5.99	3.84	4.51	31.38
1932	2.74	10.82	4.76	4.04	0.61	0.56	0.00	0.00	1.30	2.42	3.35	7.24	37.84
1933	14.96	4.26	4.94	2.86	0.11	0.00	0.00	0.00	0.00	4.94	8.48	8.56	49.11
1934	0.12	1.46	5.07	5.31	0.13	0.00	0.00	0.00	0.01	1.27	9.30	3.44	26.11
1935	2.36	1.29	1.66	1.74	4.70	0.17	0.00	0.06	0.85	1.97	4.30	4.48	23.58
1936	8.18	10.88	5.23	5.67	5.42	0.14	0.07	T	0.10	1.90	6.65	2.61	46.85
1937	5.43	0.19	5.35	2.47	0.44	0.11	0.00	0.02	0.08	10.80	1.82	7.83	34.54
1938	2.17	0.69	2.71	3.13	2.63	0.04	0.00	0.00	1.20	1.35	0.86	7.55	22.33
1939	2.50	3.33	1.78	2.99	0.46	0.69	0.01	0.00	1.47	6.36	2.97	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	4.42	3.63	4.40	3.74	1.65	0.21	0.01	0.01	0.72	4.11	4.62	5.14	29.43

\* See NOTES, p. 27.

† Normal value used for missing month.

## GREENWICH, BRITISH EMPIRE

Lat. 51°29' N. Long. 0°0'. H<sub>0</sub> = 46.3 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.)

Means of hourly observations, 0 meridian

29 inches +\*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.715	.687	.762	.682	.685	.840	.635	.703	.972	.972	.632	1.108	.783
1932	1.022	1.267	.780	.573	.670	.880	.703	.895	.727	.523	.892	.907	.820
1933	.950	.795	.757	.928	.780	.680	.865	.865	.857	.715	.737	.978	.826
1934	.950	1.248	.513	.567	.907	.860	.840	.718	.807	.790	.845	.430	.790
1935	1.067	.555	.972	.635	.898	.733	.925	.807	.693	.653	.508	.452	.742
1936	.360	.540	.657	.768	.812	.807	.650	.920	.827	.910	.715	.920	.741
1937	.623	.420	...	.657	.823	.868	.815	.877	.745	.787	.845	.682	†.742
1938	.697	1.078	1.078	1.108	.773	.848	.770	.795	.820	.707	.665	...	†.846
1939	.440	.892	.818	.753	.870	.837	.703	.842	.933	.682	.684	.830	.774
1940	.918	.718	.744	.732	.836	.895	.750	.975	.721	.700	.582	.957	.794
Mean	.774	.820	.787	.740	.805	.825	.766	.840	.810	.744	.711	.807	.786

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	39.0	39.4	40.0	46.9	53.5	60.0	61.3	59.9	53.5	49.3	46.6	42.2	49.3
1932	44.0	37.7	40.7	45.4	52.2	58.6	62.4	65.8	57.7	49.2	45.1	42.5	50.1
1933	37.4	40.9	45.3	49.5	54.9	61.1	66.3	66.5	60.4	51.5	43.0	35.0	51.0
1934	39.6	38.2	41.6	47.9	54.6	61.0	66.3	61.5	60.2	52.5	44.0	47.3	51.2
1935	40.7	48.3	44.1	47.0	51.0	60.6	66.0	64.0	58.4	50.7	45.7	38.9	50.9
1936	40.9	37.2	45.3	44.3	53.9	60.7	60.8	62.4	58.8	49.6	44.0	42.3	50.0
1937	41.9	43.2	39.6	48.8	55.0	59.8	63.1	64.8	57.3	52.0	42.0	38.6	50.5
1938	43.6	40.8	49.0	46.3	51.8	61.0	61.4	62.6	58.5	50.8	49.8	39.9	51.3
1939	41.7	42.8	42.9	48.5	52.7	58.7	61.2	62.6	59.3	48.1	48.8	37.5	50.4
1940	30.8	37.7	43.5	48.2	55.8	62.6	60.7	62.1	57.3	49.8	45.1	39.2	49.4
Mean	40.0	40.1	43.2	47.3	53.5	60.4	63.0	63.2	58.1	50.4	45.4	40.3	50.4

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 5 in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	29	40	6	97	73	31	63	159	39	19	62	16	634
1932	40	8	37	62	103	17	75	57	53	137	26	13	628
1933	27	42	61	19	57	39	35	13	68	38	22	9	430
1934	36	5	55	55	10	37	23	43	31	29	54	118	496
1935	30	55	15	75	38	71	14	55	74	65	92	64	648
1936	89	36	25	38	10	87	74	14	80	46	77	50	626
1937	86	100	74	62	87	48	18	43	32	59	35	87	731
1938	62	17	7	3	41	11	34	56	75	53	79	...	†484
1939	103	27	31	67	37	25	60	79	30	146	105	30	760
1940	57	36	97	42	26	22	92	4	36	60	174	31	677
Mean	56	37	41	52	48	40	49	53	52	66	73	46	611

\* See NOTES, p. 27.

† Normal value used for missing months.

## KØBENHAVN (COPENHAGEN), DENMARK

Lat. 55° 41' N. Long. 12° 36' E. H<sub>0</sub> = 5 m.PRESSURE AT SEA LEVEL:\* COR. to 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(S^h + 14^h + 21^h)$ , 15th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.7	59.3	61.2	59.2	60.4	60.9	56.4	57.8	61.0	61.3	63.9	61.8	59.8
1932	66.1	69.5	62.7	55.7	59.0	61.3	58.7	63.2	58.0	52.6	63.8	66.9	61.5
1933	68.4	59.4	63.1	62.0	60.8	58.3	61.4	61.2	64.4	59.3	61.2	67.0	62.2
1934	64.2	64.1	56.9	60.2	62.3	61.7	59.2	59.3	64.0	56.8	62.1	59.0	60.8
1935	63.0	51.0	67.1	55.9	64.2	61.0	59.7	61.8	56.6	55.1	59.5	54.1	59.1
1936	51.2	58.0	61.6	57.0	63.3	62.2	58.5	62.6	63.7	58.3	59.5	61.5	59.3
1937	64.9	50.8	54.5	58.6	63.0	60.8	58.7	61.7	58.5	63.5	60.8	60.3	59.7
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	61.8	58.9	61.0	58.4	61.9	60.9	58.9	61.0	60.9	58.1	61.5	61.5	59.9

TEMPERATURE IN DEGREES C. h<sub>1</sub> = 2.0 m.Means of  $\frac{1}{3}(S^h + 14^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.7	-0.4	-0.6	4.6	13.3	13.8	16.5	15.9	11.3	8.1	6.0	2.4	7.6
1932	3.1	0.8	0.8	6.4	12.3	14.8	18.9	18.0	13.7	8.6	5.5	3.4	8.9
1933	0.0	0.4	3.8	6.2	11.4	16.7	18.2	17.2	14.1	9.8	4.5	0.4	8.6
1934	1.7	3.2	3.8	8.0	12.7	15.5	18.8	17.0	15.9	10.6	6.2	5.4	9.9
1935	0.3	2.0	2.9	7.2	10.3	16.3	17.6	17.1	13.7	9.4	6.0	2.2	8.8
1936	2.8	-0.9	2.5	5.3	11.6	17.2	17.8	16.8	13.1	7.4	5.4	3.6	8.6
1937	-0.3	0.8	1.1	6.8	12.7	15.3	18.0	18.9	14.3	10.5	4.2	0.5	8.6
1938	2.1	2.0	6.6	6.8	10.9	14.8	17.4	18.8	15.0	10.3	8.1	1.3	9.5
1939	1.9	3.3	2.0	6.9	11.1	16.7	17.8	19.2	14.6	6.8	5.2	0.8	8.8
1940	-4.1	-6.7	-0.3	4.2	11.5	17.5	17.3	15.4	11.6	7.3	5.6	0.3	6.6
Mean	0.8	0.4	2.3	6.2	11.8	15.9	17.8	17.4	13.7	8.9	5.7	2.0	8.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	87	29	27	38	34	37	140	78	75	38	15	28	626
1932	27	6	16	56	53	15	109	36	123	140	21	6	608
1933	19	54	34	15	40	54	74	36	21	102	18	11	478
1934	44	26	60	17	28	31	36	62	78	116	49	36	583
1935	24	60	16	65	40	66	45	34	104	83	41	41	619
1936	49	40	21	70	30	8	164	42	23	53	35	19	554
1937	25	49	82	33	86	40	50	20	50	16	40	79	570
1938	42	10	26	3	61	48	64	35	23	56	45	31	444
1939	87	27	22	45	3	30	59	...	...	38	57	51	...
1940	...	...	...	...	...	...	...	...	...	36	49	44	...
Mean	45	33	34	38	42	36	82	43	62	68	37	35	...

\* The pressure was reduced to sea level by adding 0.5 mm. to observed values.

## VALENTIA, EIRE (IRELAND)

Lat. 51°56' N. Long. 10°15' W. H<sub>b</sub> = 13.7 m.

PRESSURE AT SEA LEVEL

Means of 7<sup>h</sup>, Greenwich meridian

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.4	14.8	8.4	13.9	7.0	14.6	9.9	12.4	10.5	10.1	2.1	10.1	10.3
1932	15.3	33.0	12.7	10.2	11.3	17.9	12.7	18.0	13.3	8.5	16.8	11.3	15.1
1933	16.7	14.9	7.6	17.6	13.7	14.3	16.8	17.6	17.9	14.4	14.9	20.0	15.5
1934	14.9	33.4	5.1	7.6	18.9	17.7	17.1	11.7	9.5	14.8	18.7	*93.7	13.6
1935	29.6	6.6	19.7	10.2	20.5	7.8	21.5	17.0	8.6	11.6	1.3	3.2	13.1
1936	*96.3	1.2	6.8	16.3	18.0	16.3	9.2	19.9	16.5	19.9	12.5	16.4	12.4
1937	0.3	1.5	2.6	9.6	14.2	19.5	16.2	18.7	12.6	15.3	14.2	12.6	11.5
1938	12.2	24.3	22.6	29.3	13.9	16.3	14.1	16.1	15.2	11.0	4.8	...	†15.9
1939	1.4	14.0	19.6	13.3	20.0	17.3	10.5	16.5	20.1	12.5	6.5	16.4	14.0
1940	13.6	5.3	10.8	12.8	16.7	19.6	14.6	24.3	18.4	7.4	7.1	20.7	14.3
Mean	11.6	14.9	11.6	14.1	15.4	16.1	14.3	17.2	14.3	12.6	9.9	11.6	13.6

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 1.3 m.

Means of 24 hours ‡

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.0	45.1	46.8	48.7	52.3	57.2	58.4	59.0	55.8	52.5	49.5	48.7	51.6
1932	48.7	42.6	45.5	46.9	51.8	58.5	59.2	61.8	56.7	51.4	49.8	47.1	51.7
1933	43.2	44.1	48.0	50.4	54.1	56.7	61.9	61.6	59.2	53.4	47.7	43.2	52.0
1934	46.8	43.7	45.7	46.6	51.9	59.5	62.6	58.5	56.5	52.5	47.6	49.8	51.8
1935	45.3	46.0	47.5	48.9	53.1	56.1	60.0	59.7	57.2	52.2	46.6	43.3	51.3
1936	43.5	44.9	47.1	47.1	52.7	57.0	58.9	60.4	58.6	54.6	48.0	47.3	51.7
1937	45.9	46.2	41.7	50.1	53.4	56.5	59.0	60.6	56.7	51.6	47.1	44.2	51.1
1938	46.4	45.3	49.5	49.3	52.2	56.7	57.4	59.7	57.0	53.8	51.6	44.6	52.0
1939	43.9	47.7	45.9	49.1	53.9	58.7	57.9	60.6	58.5	50.0	51.4	43.5	51.8
1940	43.2	46.6	47.6	49.9	54.7	60.7	57.9	60.7	56.8	51.8	48.6	46.3	52.1
Mean	45.2	45.2	46.5	48.7	53.0	57.3	59.3	60.2	57.3	52.4	48.8	45.8	51.7

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 0.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	81	30	109	79	119	147	98	91	66	64	310	129	1423
1932	186	11	97	94	126	75	120	75	65	70	53	210	1245
1933	141	56	167	74	116	74	100	106	63	81	66	103	1147
1934	172	13	148	92	57	62	69	137	205	179	77	364	1576
1935	27	123	56	95	34	207	35	119	156	123	211	113	1304
1936	221	91	76	69	53	57	124	45	106	77	139	181	1253
1937	296	184	126	85	84	51	223	74	167	64	135	136	1625
1938	185	92	76	2	127	104	152	143	153	190	185	149	1556
1939	185	127	93	57	45	79	156	46	48	105	252	117	1311
1940	164	180	85	80	42	55	67	10	72	235	186	152	1328
Mean	166	91	103	73	80	91	114	85	110	119	161	165	1377

\* 900 mb. +.

† Normal value used for missing month.

‡ See NOTES, p. 28.

§ Mean of 12 monthly means.

## HELSINKI (HELSINGFORS), FINLAND

Lat. 60°10' N. Long. 24°57' E.  $H_b = 11.7$  m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 15^h + 21^h)$ , 30th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.2	63.2	56.9	58.7	61.2	54.8	57.5	55.9	55.3	54.1	67.8	53.0	57.3
1932	57.6	61.8	60.0	55.1	58.2	57.9	57.4	59.3	53.4	52.9	61.2	62.2	58.1
1933	69.5	57.8	60.0	56.5	59.5	57.9	57.6	56.2	62.5	59.9	61.0	62.4	60.1
1934	61.0	54.2	58.4	60.7	58.9	58.3	55.4	58.6	63.6	53.5	58.3	64.9	58.8
1935	60.1	46.8	62.6	57.1	61.3	59.1	53.4	58.7	53.1	52.7	65.8	57.9	57.4
1936	52.9	59.3	61.8	56.8	64.0	59.6	56.8	59.2	59.4	54.0	59.7	56.4	58.3
1937	70.1	51.8	57.0	64.1	61.7	60.1	56.3	61.8	56.1	63.1	59.2	63.0	60.4
1938	52.9	59.2	50.8	55.0	58.4	54.1	60.5	60.1	62.5	56.8	55.7	70.1	58.0
1939	56.5	54.6	60.7	55.9	62.2	58.8	57.8	65.0	60.6	62.9	57.5	58.3	59.2
1940	65.5	61.7	56.0	60.7	64.3	59.6	55.9	57.2	53.5	63.7	51.9	58.9	59.1
Mean	60.1	57.0	58.4	58.1	61.0	58.0	56.9	59.2	58.0	57.4	59.8	60.7	58.7

TEMPERATURE IN DEGREES C.  $h_t = 2.1$  m.Means of  $\frac{1}{3}(7^h + 15^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-6.9	-7.4	-5.4	1.8	10.5	11.5	17.4	16.6	8.4	5.0	2.1	-3.3	4.2
1932	-0.6	-7.9	-5.9	2.7	9.7	12.8	19.9	17.0	11.5	5.3	2.0	2.5	5.8
1933	-4.3	-6.3	-2.1	2.7	8.1	16.1	17.9	14.7	11.6	6.2	-0.4	-4.7	5.0
1934	-1.1	-2.7	-1.6	3.4	10.9	15.2	18.5	17.4	14.9	8.8	3.8	-0.8	7.2
1935	-4.1	-3.7	-1.3	3.1	7.4	14.8	16.8	15.0	10.7	7.1	3.4	0.4	5.8
1936	-2.7	-9.3	-0.5	2.8	10.6	18.8	18.9	16.6	11.1	3.3	3.5	2.4	6.3
1937	-4.5	-5.7	-2.3	4.8	11.9	16.5	18.3	18.7	12.7	7.2	3.4	-7.1	6.2
1938	-3.4	-1.1	1.1	3.2	8.4	13.2	18.9	18.8	14.3	8.4	5.4	-1.5	7.1
1939	-5.5	0.4	-1.3	3.2	9.5	15.2	18.1	20.0	10.3	2.7	2.5	-4.4	5.9
1940	-12.4	-13.7	-7.4	1.2	10.9	15.2	18.6	15.6	10.7	6.2	2.6	-4.1	3.6
Mean	-4.6	-5.7	-2.7	2.9	9.8	14.9	18.3	17.0	11.6	6.0	2.8	-2.1	5.7

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	79.3	49.5	42.6	20.0	50.2	49.7	52.9	49.3	95.3	63.0	21.8	127.9	701.5
1932	57.4	27.4	33.2	82.0	77.7	30.6	47.1	72.4	66.6	72.0	85.1	35.4	686.9
1933	41.7	44.5	35.6	56.3	16.6	7.7	60.6	70.5	23.8	59.4	22.3	50.8	489.8
1934	32.7	22.9	44.2	42.0	29.5	15.9	64.0	44.3	68.1	163.1	76.9	25.8	629.4
1935	40.5	54.4	44.0	77.5	10.6	56.8	76.7	131.6	104.6	125.2	25.5	84.8	832.2
1936	77.4	43.8	40.0	35.6	85.7	27.5	71.0	37.9	61.2	89.2	42.6	28.6	640.5
1937	44.1	51.9	72.0	25.0	30.3	36.2	58.0	52.8	89.8	19.1	82.2	64.2	625.0
1938	57.5	15.0	23.4	38.9	33.9	39.0	29.1	25.2	32.8	154.7	52.6	35.7	537.8
1939	48.0	27.1	18.5	32.0	24.1	8.4	77.2	26.2	40.3	16.7	54.9	27.3	400.7
1940	33.2	18.9	29.3	24.2	21.0	50.5	29.1	51.8	104.1	40.1	150.6	39.4	592.2
Mean	51.2	35.6	33.3	43.4	38.0	32.2	56.6	56.2	68.7	30.2	61.4	52.0	613.7

## LYON (BRON), FRANCE

Lat. 44°0' N. Long. 3°10' E. H<sub>b</sub> = 198 m.

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	2.9	2.1	6.5	10.0	16.1	19.6	19.1	18.1	12.4	10.6	9.0	0.5	10.6
1932	2.8	-0.6	6.0	9.1	13.8	17.1	18.6	22.1	19.0	11.5	7.8	4.3	11.0
1933	0.6	3.8	8.6	10.9	14.0	16.1	20.5	22.3	18.3	12.7	5.9	-1.9	11.0
1934	2.6	1.2	6.9	11.9	15.2	18.8	22.4	18.6	18.5	12.3	4.7	7.4	11.7
1935	0.4	4.7	6.7	10.0	13.1	19.9	22.0	20.1	17.3	10.6	7.8	3.8	11.4
1936	7.5	5.5	8.5	9.3	15.0	17.6	19.0	19.3	17.4	8.2	6.3	3.6	11.4
1937	6.1	6.9	6.2	10.4	15.6	18.6	21.0	20.5	17.0	12.4	5.6	2.7	11.9
1938	3.2	2.9	9.3	8.1	12.6	18.4	19.3	18.8	16.5	11.2	9.9	0.4	10.9
1939	6.0	3.2	4.6	11.2	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	3.6	3.3	7.0	10.1	14.4	18.3	20.2	20.0	17.1	11.2	7.1	2.6	11.2

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	48.5	45.5	80.0	45.7	103.1	31.8	112.2	156.1	85.2	97.2	70.4	39.4	920.1
1932	33.9	1.9	65.1	74.0	141.6	69.0	134.4	24.6	123.9	51.0	30.9	42.9	793.2
1933	31.7	49.6	98.2	36.2	50.1	131.5	47.7	34.4	155.6	68.6	94.8	17.2	815.6
1934	17.3	6.9	56.6	120.0	23.4	53.1	40.7	85.9	15.2	37.0	158.0	75.0	639.1
1935	47.2	52.6	32.9	103.8	35.0	55.6	30.7	118.3	100.9	247.0	183.0	129.0	1136.0
1936	82.7	99.0	42.1	143.6	39.5	79.8	135.6	28.4	95.5	25.6	53.5	14.9	840.2
1937	75.-	76.-	168.-	56.-	66.-	73.-	14.-	50.-	123.-	81.-	57.-	61.-	900.0
1938	34.-	23.-	12.-	1.-	74.-	108.-	124.-	80.-	134.-	49.-	53.-	83.-	775.0
1939	66.-	34.-	55.-	94.-	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	48.5	43.2	67.8	74.9	67.2	75.2	79.9	72.2	104.2	82.1	87.6	57.8	860.6







## BERLIN-DAHLEM, GERMANY

Lat. 52°27' N. Long. 13°18' E. H<sub>b</sub> = 48.9 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 15th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.9	55.1	56.9	54.6	55.2	58.2	54.1	54.3	57.8	59.0	59.3	60.7	56.5
1932	64.6	64.8	58.1	51.8	53.8	57.5	54.6	59.3	56.1	50.5	60.6	63.7	57.9
1933	63.6	56.1	59.5	58.4	56.0	53.1	58.6	57.8	59.1	56.3	55.6	61.9	58.0
1934	62.2	62.7	52.0	54.5	59.0	56.9	55.9	55.6	60.1	56.2	58.8	54.6	57.4
1935	59.8	50.2	62.2	51.8	58.3	57.5	57.7	57.4	55.4	54.1	55.7	51.1	55.0
1936	49.7	52.6	56.1	52.9	56.4	57.1	55.6	59.0	58.9	56.7	57.2	61.0	56.1
1937	60.3	51.5	50.0	53.3	58.6	57.3	56.0	57.4	56.2	58.8	57.4	55.6	56.0
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	59.0	56.1	56.4	53.9	56.8	56.8	56.1	57.3	57.7	55.9	57.8	58.4	56.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2.0 m.Means of  $\frac{1}{4}(7^h + 14^h + 21^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.2	-0.8	0.2	6.0	16.8	16.4	18.5	16.6	11.3	7.7	4.4	1.2	8.2
1932	1.7	-1.1	1.2	8.3	14.3	15.4	19.9	19.8	15.1	9.4	4.5	1.0	9.1
1933	-3.0	0.1	5.8	7.4	13.2	15.8	19.2	17.5	14.0	8.9	2.9	-3.3	8.2
1934	1.2	2.7	5.6	11.5	14.4	18.2	19.6	17.4	16.3	10.0	5.1	4.4	10.5
1935	-0.5	2.6	3.0	8.4	11.4	18.8	18.8	17.4	14.3	9.0	5.6	0.8	9.1
1936	3.3	0.0	5.3	7.6	14.1	18.2	18.4	17.3	13.6	6.8	4.1	1.9	9.2
1937	-3.0	2.2	3.4	8.8	16.8	18.0	18.3	18.1	14.4	10.5	3.6	-0.6	9.2
1938	1.8	1.9	8.0	6.2	12.2	16.8	18.8	19.6	14.2	9.7	8.0	-1.5	9.7
1939	3.0	3.0	...	9.5	11.8	17.6	18.6	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	0.5	1.2	4.1	8.2	13.9	17.2	18.9	18.0	14.1	9.0	4.8	0.5	†9.2

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.0 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	73	26	22	60	66	95	116	55	107	38	7	43	708
1932	41	6	10	37	78	29	52	24	76	77	31	6	467
1933	22	52	19	31	27	101	79	42	28	61	40	16	518
1934	35	28	19	48	21	14	79	110	43	53	60	27	537
1935	56	72	30	105	50	74	29	79	34	68	38	35	670
1936	41	45	23	47	36	8	80	30	46	51	44	35	486
1937	25	64	72	59	51	46	75	96	39	22	34	39	622
1938	86	25	30	36	76	28	51	126	49	77	35	35	654
1939	57	20	...	34	56	57	80	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	48	38	28	51	51	50	71	70	53	56	36	29	†581

\* See NOTES, p. 29.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

BRESLAU-KRIETERN, GERMANY

Lat. 51°5' N. Long. 17°0' E. H<sub>b</sub> = 147 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 15th Meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.0	46.8	47.5	46.3	47.0	49.3	46.5	45.9	48.4	50.6	52.1	52.0	48.1
1932	57.0	54.7	49.5	44.1	45.4	48.3	46.3	50.8	48.4	43.8	52.2	55.9	49.7
1933	54.7	47.4	51.3	49.1	46.8	44.1	49.8	49.2	50.0	48.5	47.4	52.1	49.2
1934	54.3	53.4	43.9	46.1	49.8	47.7	46.2	46.8	51.4	48.5	49.9	47.0	48.7
1935	50.7	42.0	53.0	43.9	49.0	49.5	48.5	48.5	47.7	45.7	48.4	43.4	45.3
1936	42.7	43.9	47.2	44.3	47.0	48.1	47.3	49.8	49.9	47.3	49.1	52.9	47.5
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	50.7	48.0	48.7	45.6	47.5	47.8	47.3	48.5	49.3	47.4	49.8	50.5	†48.4

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.

Means of  $\frac{1}{4}(7^h + 14^h + 21^h + 21^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-0.5	-1.4	0.2	5.8	16.9	17.0	18.5	16.8	11.1	7.2	3.4	0.3	7.9
1932	0.5	-3.3	0.0	8.5	14.4	14.9	20.0	18.9	16.4	9.7	4.3	-0.1	8.7
1933	-5.8	-0.4	4.4	6.2	12.7	15.3	19.1	17.6	13.5	9.4	2.0	-5.2	7.4
1934	-0.2	1.0	5.7	11.4	15.1	17.8	19.6	17.7	15.6	10.2	5.3	4.4	10.3
1935	-2.4	1.3	0.8	8.6	11.5	18.9	18.1	18.2	14.8	9.5	5.4	0.7	8.8
1936	3.0	-0.8	5.5	7.7	14.6	17.4	19.4	16.5	13.2	6.2	3.5	1.6	9.0
1937	-4.4	1.3	4.4	8.8	17.0	18.5	18.6	18.6	14.4	10.1	3.5	...	...
1938	0.3	0.7	6.9	5.4	12.4	17.2	18.4	19.3	14.5	10.0	7.1	-2.0	9.2
1939	2.0	3.7	1.4	10.3	11.4	17.7	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	-0.8	0.2	3.7	8.1	14.0	17.2	19.0	17.9	14.2	9.0	4.3	0.0	†8.9

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	39	35	9	66	89	129	94	89	121	38	5	27	741
1932	41	13	6	55	63	90	80	86	53	44	20	5	556
1933	34	39	11	26	30	96	75	40	22	33	45	31	482
1934	31	30	22	20	33	48	60	78	42	64	38	24	490
1935	17	45	72	35	48	56	54	32	58	122	32	14	585
1936	19	31	22	42	62	49	75	58	41	51	37	19	506
1937	16	31	47	60	24	47	61	104	111	31	32	...	...
1938	77	15	28	32	91	20	64	146	138	51	40	24	726
1939	32	21	64	22	145	61	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	34	29	31	40	65	66	70	79	73	54	31	21	†593

\* See NOTES, p. 29.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## FRANKFURT AM MAIN, GERMANY

Lat. 50°7' N. Long. 8°40' E. H = 103 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 15th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	50.0	50.2	51.5	49.5	49.5	53.7	50.2	50.1	54.7	55.5	52.9	59.2	52.2
1932	61.1	60.2	52.2	47.8	49.5	52.6	50.6	54.9	51.9	47.4	55.7	58.7	53.6
1933	57.5	52.9	54.0	54.4	51.1	48.8	54.5	54.0	53.7	51.5	49.5	55.4	52.8
1934	58.1	60.6	46.9	48.1	53.9	52.3	52.3	51.0	54.5	53.2	54.1	48.6	52.8
1935	55.9	48.0	56.4	48.1	51.9	53.0	54.3	52.5	52.4	50.8	50.3	45.9	51.6
1936	45.9	47.6	50.2	48.7	50.4	52.1	51.4	54.9	53.8	53.8	52.4	57.6	51.6
1937	52.7	45.7	45.2	48.6	53.1	52.3	52.5	52.8	51.7	53.2	53.2	50.5	51.0
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	54.5	52.2	50.9	49.3	51.3	52.1	52.2	52.9	53.2	52.2	52.6	53.7	*52.3

TEMPERATURE IN DEGREES C.  $h_t = 2$  m.†Means of  $\frac{1}{4}(7^h + 14^h + 21^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	2.0	0.8	3.2	8.1	17.2	18.4	18.2	16.8	11.7	8.5	5.6	0.9	9.2
1932	3.1	0.4	3.5	8.9	14.0	16.7	19.0	20.3	16.4	9.6	5.6	0.6	9.3
1933	-0.8	2.6	7.3	9.7	13.6	16.2	20.3	19.2	15.4	9.9	3.7	-2.2	9.6
1934	1.7	2.6	5.8	12.8	15.5	18.5	20.3	17.9	17.0	10.8	4.6	6.8	11.2
1935	1.2	3.8	5.6	9.4	12.7	18.7	20.1	18.5	15.1	9.8	6.5	1.8	10.3
1936	5.0	2.4	7.4	8.3	15.0	17.7	18.1	18.1	14.6	8.1	5.5	2.5	10.2
1937	1.7	4.5	5.2	10.3	17.1	18.4	19.4	19.4	14.9	10.3	4.9	1.3	10.6
1938	3.3	2.7	9.3	7.5	12.6	18.5	18.4	19.1	15.2	9.8	8.0	-0.7	10.3
1939	4.8	2.7	4.2	11.0	12.3	18.3	18.7	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	2.5	2.5	5.7	9.6	14.4	17.9	19.2	18.7	15.0	9.6	5.5	1.4	*10.0

† TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.0$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	80	48	18	60	97	85	92	199	40	43	28	52	842
1932	57	4	24	55	75	60	115	111	100	131	50	10	792
1933	35	31	33	8	74	98	28	50	61	54	39	8	519
1934	42	10	51	35	32	103	35	71	66	76	44	57	622
1935	49	60	21	104	51	120	10	80	71	52	36	66	720
1936	92	52	28	79	19	73	106	76	88	46	40	41	739
1937	85	94	44	87	23	82	24	37	39	15	18	37	586
1938	92	29	10	24	66	15	105	128	30	71	57	37	664
1939	93	15	56	54	52	53	61	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	69	38	32	56	54	77	64	94	62	61	39	38	†684

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

KÖNIGSBERG, GERMANY

Lat. 54°43' N. Long. 20°30' E. H<sub>b</sub> = 6.2 m\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+14^h+21^h)$ , 15th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.0	61.2	58.4	58.6	60.2	60.0	57.8	56.9	58.4	60.0	66.6	58.7	59.3
1932	66.5	65.0	61.7	56.0	57.7	59.7	58.1	61.6	58.6	54.0	64.2	67.2	60.9
1933	68.7	58.1	62.6	59.3	58.6	56.3	60.7	59.3	61.5	60.7	60.7	64.7	60.9
1934	65.8	60.6	57.0	60.6	61.5	60.0	56.3	58.9	64.0	58.0	60.7	62.5	60.5
1935	62.4	50.2	65.5	56.8	62.3	61.2	57.5	60.4	57.4	56.2	63.3	56.8	59.2
1936	53.5	57.5	60.7	60.5	61.6	60.5	58.9	60.4	62.0	56.9	61.2	62.9	59.4
1937	68.2	56.2	55.2	60.0	62.8	61.2	57.6	59.9	59.3	63.9	60.4	59.8	60.0
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	62.9	58.4	60.2	58.3	60.7	59.8	58.1	59.6	60.2	58.5	62.4	61.8	†60.0

TEMPERATURE IN DEGREES C. h<sub>r</sub> = 2.0 m.  
Means of  $\frac{1}{4}(7^h+14^h+21^h+21^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-1.8	-4.0	-2.7	4.4	15.6	14.1	17.6	16.0	10.6	7.0	2.2	0.4	6.6
1932	0.8	-4.5	-2.4	6.6	13.9	14.0	20.1	18.1	14.5	8.2	3.8	1.7	7.9
1923	-5.8	-2.1	1.7	4.4	10.2	15.0	18.1	16.0	12.8	8.1	1.1	-4.4	6.2
1934	-1.3	1.4	3.4	9.2	18.8	15.7	17.2	17.9	16.1	10.2	5.9	-0.5	9.1
1935	-4.6	-0.1	1.0	7.2	9.6	17.6	16.2	16.5	13.4	9.4	3.1	0.4	7.5
1936	1.2	-3.7	3.1	6.8	14.0	16.7	19.4	16.8	12.5	5.6	3.7	1.7	8.2
1937	-5.9	-1.0	1.2	8.3	15.3	17.3	17.3	18.6	14.8	9.2	3.3	-3.3	7.9
1938	-1.5	0.4	5.0	5.4	11.3	15.3	18.3	19.7	14.5	9.7	6.2	-4.2	8.4
1939	0.8	2.3	1.0	7.9	10.8	16.6	19.5	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	-2.2	-1.3	-1.3	6.7	12.7	15.8	18.2	17.4	13.6	8.4	3.7	-1.0	†7.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.0 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	75	44	78	90	45	104	107	70	93	57	32	87	882
1932	11	46	26	49	108	52	86	57	87	153	44	13	732
1933	19	53	25	43	72	82	98	94	85	49	31	35	686
1934	17	33	34	29	59	18	94	116	26	101	76	22	625
1935	34	81	30	29	31	55	120	43	76	115	24	36	674
1936	68	51	35	42	40	85	60	52	50	147	21	33	685
1937	25	46	65	18	24	103	122	96	39	39	70	81	728
1938	47	28	56	63	48	46	109	64	27	76	68	17	649
1939	65	54	34	33	58	23	112	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	40	49	43	44	54	63	101	74	60	92	46	41	†707

\* See NOTES, p. 30.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## POTSDAM, GERMANY

Lat. 52°23' N. Long. 13°4' E. H<sub>b</sub> = 84.9 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , local time

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	49.5	51.7	53.4	51.3	52.2	55.5	50.9	51.2	54.7	55.9	56.0	61.7	53.3
1932	61.2	61.6	55.0	48.7	51.0	51.6	52.0	56.5	52.9	47.8	57.2	60.4	54.8
1933	60.1	52.6	56.4	55.5	53.0	49.9	55.6	55.2	56.1	53.2	51.9	58.4	54.8
1934	58.7	59.6	48.6	50.9	55.6	53.7	52.7	52.4	56.7	52.8	55.2	51.0	54.0
1935	56.2	46.7	58.7	48.6	55.0	54.5	54.5	54.6	52.3	50.8	52.2	47.6	52.6
1936	46.3	49.1	52.8	40.6	53.2	54.1	52.4	55.8	55.6	53.2	53.7	57.5	52.8
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	55.3	53.5	54.1	50.8	53.3	53.7	53.0	54.2	54.7	52.2	54.4	56.1	*53.8

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2.2 m.Means of  $\frac{1}{4}(7^h + 14^h + 21^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.0	-1.1	-0.1	5.7	16.7	16.3	18.2	16.5	11.2	7.6	4.2	0.8	8.0
1932	1.6	-1.5	0.8	8.2	14.1	15.4	19.7	19.8	15.4	9.0	4.2	0.9	9.0
1933	-3.4	-0.1	5.6	7.0	12.7	15.6	19.2	17.4	13.9	9.2	2.7	-4.1	8.0
1934	0.9	2.4	5.1	11.3	14.4	16.9	19.6	17.7	16.4	10.2	4.8	4.0	10.4
1935	-0.9	2.2	2.7	8.0	11.1	18.7	18.6	17.4	14.6	9.1	5.2	0.5	8.9
1936	3.2	-0.5	4.8	7.0	13.7	17.8	18.2	17.0	13.2	6.5	3.7	1.5	8.8
1937	-3.4	1.9	3.0	8.5	16.4	18.0	18.1	18.0	14.6	10.1	3.2	-1.1	8.9
1938	1.4	1.6	8.0	5.7	12.0	16.7	18.3	19.3	14.4	9.4	7.7	-1.9	9.4
1939	2.6	2.6	1.7	9.0	11.4	17.6	18.6	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	0.2	0.8	3.5	7.8	13.6	17.0	18.7	17.9	14.2	8.9	4.5	0.1	*8.9

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.3 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	57.1	27.6	23.1	57.8	65.2	105.8	146.6	68.1	76.7	39.6	9.2	51.8	728.6
1932	49.0	7.5	5.7	41.5	96.6	45.3	38.6	40.0	68.2	69.8	34.2	3.2	499.6
1933	16.7	43.6	18.7	29.8	70.5	88.7	47.7	49.8	22.3	60.5	39.4	18.8	506.5
1934	37.5	20.4	19.4	48.5	16.2	25.1	46.0	91.8	43.6	43.8	50.8	32.7	475.8
1935	56.6	66.1	35.5	89.9	47.0	67.7	26.3	75.7	34.5	70.8	35.8	26.5	632.4
1936	31.0	57.7	23.9	41.3	31.8	15.1	122.7	56.1	44.8	49.1	36.9	30.0	540.4
1937	22.0	62.6	70.5	80.0	32.8	38.2	88.5	105.1	38.7	22.9	27.2	44.0	632.5
1938	94.1	17.3	24.7	26.6	50.4	35.4	49.1	56.9	57.6	62.6	32.7	40.7	548.1
1939	49.7	18.8	78.5	45.0	61.9	89.9	65.4	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	41.4	32.2	30.0	46.0	47.2	46.1	63.1	60.4	42.9	46.6	29.6	27.5	†513.0

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## TRIER, GERMANY

Lat. 49°45' N. Long. 6°39' E.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.0$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	131	51	25	67	49	95	105	215	33	56	36	52	915
1932	51	6	28	100	83	53	114	54	125	144	41	7	806
1933	14	31	41	21	100	61	64	46	42	45	32	6	503
1934	58	32	57	43	17	53	33	76	21	76	48	72	591
1935	57	97	25	96	37	129	9	35	84	55	53	98	775
1936	108	55	33	90	4	116	102	93	72	42	42	26	783
1937	100	125	...	91	56	32	36	40	60	27	29	41	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	74	57	33	73	49	77	67	70	63	64	40	43	*710

\* Sum of 12 monthly means.

## MILANO (MILAN), ITALY

Lat. 45°28' N. Long. 9°11' E. H = 147 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.)

Means of (see NOTES)

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	47.6	44.8	46.2	45.9	47.5	49.4	46.9	46.2	48.9	50.7	50.6	53.7	48.2
1932	57.7	52.6	48.0	45.3	46.4	48.2	47.0	50.7	49.3	46.0	52.2	55.5	49.9
1933	51.8	47.8	51.0	48.5	46.1	44.7	50.3	49.3	49.7	48.3	46.0	47.9	48.5
1934	54.5	54.1	43.3	45.9	48.6	47.6	47.1	46.7	50.8	50.5	50.3	47.8	48.9
1935	49.7	45.0	51.6	45.5	47.5	49.6	49.0	48.3	49.9	46.6	48.5	43.6	47.9
1936	46.2	43.1	47.0	44.2	45.0	47.8	47.2	50.1	49.8	48.7	50.2	55.0	47.9
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	51.3	47.9	47.8	45.9	46.9	47.9	47.9	48.6	49.7	48.5	49.6	50.6	48.6

## TEMPERATURE IN DEGREES C.

Means of (see NOTES)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	2.6	3.4	7.2	11.5	18.4	24.6	24.5	22.7	16.5	13.3	8.5	2.1	12.9
1932	3.4	0.2	5.6	11.2	16.9	20.2	22.3	25.4	22.2	13.1	8.5	4.3	12.8
1933	1.8	3.4	8.9	13.8	17.1	19.0	25.4	25.1	19.5	14.2	6.0	-0.1	12.8
1934	1.6	5.2	8.7	14.3	19.9	21.8	25.1	22.4	20.3	13.2	6.8	4.3	13.6
1935	0.1	4.7	8.7	12.5	15.0	24.5	25.6	22.8	20.2	14.4	9.3	2.2	13.3
1936	5.1	4.9	10.4	12.4	18.2	21.7	24.4	23.9	18.9	10.4	6.6	3.6	13.4
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	2.4	3.6	8.3	12.6	17.6	22.0	24.6	23.7	19.6	13.1	7.6	2.7	13.1

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	19.5	125.4	57.4	80.3	144.1	40.9	22.8	71.1	30.6	110.8	161.7	10.7	875.3
1932	34.8	42.5	70.4	70.9	116.9	77.8	153.5	11.0	37.5	43.8	55.4	138.9	853.4
1933	105.1	35.4	82.4	44.9	83.8	132.3	5.6	18.2	79.0	157.3	181.4	79.1	1004.5
1934	24.7	29.2	120.9	77.0	58.5	140.5	109.9	187.3	36.8	20.3	218.9	103.4	1127.4
1935	26.0	72.9	5.3	79.9	168.4	22.6	26.7	101.6	14.5	225.2	147.4	170.2	1060.7
1936	130.4	115.9	130.0	160.8	111.4	170.3	42.6	36.7	116.4	35.5	70.7	54.6	1175.3
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	56.8	70.2	77.7	85.6	113.9	97.4	60.2	71.0	52.5	98.8	139.3	92.8	1016.2



## DE BILT, NETHERLANDS

Lat. 52°6' N. Long. 5°11' E. H<sub>b</sub> = 3 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup>

700 mm. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	57.8	58.5	61.5	58.5	59.3	63.0	57.6	59.1	65.1	64.9	60.2	68.1	61.1
1932	68.3	72.3	61.9	55.9	58.4	63.0	59.3	64.2	60.1	53.6	64.4	66.2	62.3
1933	66.6	61.1	62.0	64.7	60.9	58.3	63.5	63.0	63.5	59.3	59.2	66.8	62.4
1934	65.9	70.9	55.0	56.7	64.1	62.5	62.4	59.7	63.1	60.6	62.8	55.0	61.6
1935	66.0	55.6	66.1	56.2	63.4	61.3	64.2	62.1	59.2	57.8	57.0	53.0	60.2
1936	51.8	56.3	59.4	59.5	61.3	62.0	58.4	64.1	62.4	62.9	59.8	64.7	60.2
1937	59.8	52.4	53.3	57.5	62.6	62.9	61.6	62.9	60.3	62.2	62.4	58.9	59.7
1938	58.4	68.1	68.6	67.3	61.4	63.3	61.5	60.9	62.9	59.9	59.9	59.9	62.7
1939	53.8	64.6	60.6	60.2	62.7	62.6	60.0	62.7	63.8	58.5	59.1	62.2	60.9
1940	65.7	60.5	59.4	59.6	62.1	63.4	60.1	64.2	61.4	60.4	56.2	64.7	61.5
Mean	61.4	62.0	60.3	59.6	61.6	62.2	60.9	62.3	62.2	60.0	60.1	62.0	61.3

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2.2 m.Means of  $\frac{1}{3}(8^h + 14^h + 19^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	2.7	1.5	3.5	8.5	15.2	17.0	18.1	17.0	12.9	9.8	7.1	3.4	9.7
1932	4.5	2.1	4.1	8.2	13.9	17.0	19.0	20.7	15.7	9.9	5.8	3.9	10.4
1933	0.6	3.2	8.1	10.0	13.9	17.4	20.0	19.3	16.2	10.7	4.3	-1.8	10.2
1934	2.7	3.9	5.6	11.7	13.9	18.0	19.7	17.8	17.3	11.7	5.8	7.4	11.3
1935	3.1	4.7	6.1	8.7	12.7	18.2	19.6	19.1	15.2	10.2	7.5	2.8	10.7
1936	5.0	2.6	7.5	7.4	14.8	18.5	17.9	18.5	15.2	9.4	5.5	3.6	10.5
1937	2.9	5.0	4.1	9.6	15.8	17.4	18.1	18.9	14.7	11.6	5.0	1.8	10.4
1938	4.3	3.8	8.7	8.0	12.9	17.2	17.8	19.4	16.2	10.2	9.0	0.6	10.7
1939	4.5	4.0	5.1	10.5	13.9	18.6	18.6	19.4	16.2	8.1	7.7	1.3	10.7
1940	-5.1	-0.9	5.9	10.2	15.2	18.9	17.3	16.6	14.1	9.7	7.0	1.0	9.2
Mean	2.5	3.0	5.9	9.3	14.2	17.3	18.6	18.7	15.4	10.1	6.5	2.4	10.4

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	84.5	77.3	22.9	59.2	98.3	85.3	122.6	74.9	34.3	39.9	36.5	36.0	771.7
1932	49.7	7.3	28.8	89.1	47.4	39.6	92.7	36.8	101.3	193.8	39.9	17.6	744.0
1933	25.2	41.3	45.1	19.1	62.2	54.7	37.9	55.2	60.9	62.4	40.7	6.2	510.9
1934	52.2	9.3	57.0	43.4	69.4	41.1	46.0	109.2	42.5	100.3	45.3	94.4	710.1
1935	56.1	68.9	36.4	95.6	92.2	131.7	35.0	43.5	138.0	85.8	44.7	88.7	916.6
1936	72.1	52.8	15.9	52.2	20.5	52.5	122.6	62.3	109.8	63.4	77.5	48.4	750.0
1937	98.9	102.7	83.6	59.8	43.9	45.7	45.9	52.2	81.7	15.4	44.6	52.4	726.8
1938	106.9	33.0	25.3	36.3	33.5	33.8	89.8	111.3	62.5	115.3	73.4	61.1	782.2
1939	93.5	26.6	61.9	64.9	62.8	14.8	93.7	41.2	94.3	105.0	136.2	43.9	838.3
1940	41.3	33.3	80.0	66.9	16.3	59.0	114.5	56.2	84.9	27.1	139.3	102.3	821.1
Mean	68.0	45.2	45.7	58.6	54.6	55.3	80.1	64.3	81.0	80.3	67.8	55.1	757.2

## BERGEN II (FREDRIKSBERG),\* NORWAY

Lat. 60°24' N. Long. 5°19' E. H<sub>b</sub> = 17.4 m.†PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Integral means  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	51.3	52.4	61.1	56.7	57.3	57.3	52.2	56.5	60.9	56.8	56.8	57.7	56.5
1932	56.2	70.0	59.2	51.1	57.1	59.8	55.3	60.6	52.2	49.5	57.7	59.2	57.4
1933	61.9	55.3	57.7	59.4	59.4	56.8	58.0	57.0	63.6	56.2	60.5	65.8	59.3
1934	54.5	60.6	51.4	56.4	58.1	60.3	58.2	54.9	58.3	50.1	58.6	53.6	56.3
1935	60.2	45.1	63.4	53.8	63.6	57.0	57.9	59.1	50.9	48.0	53.8	49.9	55.3
1936	45.7	55.8	59.2	57.0	63.8	60.2	53.6	58.9	61.9	54.9	55.6	52.2	56.5
1937	57.4	46.3	54.1	58.1	60.9	57.3	57.3	61.0	54.1	60.0	59.7	60.2	57.2
1938	48.1	62.5	55.9	62.4	57.9	55.0	57.1	58.9	59.1	51.0	49.2	57.9	56.3
1939	51.1	64.1	59.1	56.0	63.1	58.5	55.0	61.5	62.9	62.7	50.5	58.4	57.8
1940	65.1	59.9	54.0	57.7	62.7	61.6	55.1	57.1	52.4	59.7	49.1	59.5	57.9
Mean	55.2	56.2	57.5	56.9	60.4	58.4	56.0	58.5	57.6	54.9	55.0	57.4	57.0

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.7 m.

Integral means

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.6	0.7	0.5	5.2	10.7	10.0	14.7	13.6	9.5	6.7	7.4	2.6	6.9
1932	4.8	3.4	2.4	4.8	11.3	12.0	15.4	13.9	9.9	6.2	4.7	4.3	7.8
1933	3.2	0.9	4.6	5.6	11.3	17.0	16.0	14.4	13.3	8.4	3.9	3.2	8.5
1934	4.6	4.0	3.6	6.1	8.4	13.1	15.4	15.0	14.2	8.5	4.7	6.6	8.7
1935	2.3	1.8	3.1	5.7	8.9	12.4	14.0	14.5	11.6	7.4	6.7	2.6	7.6
1936	2.1	1.5	4.5	4.9	11.8	14.3	16.2	14.5	12.1	7.3	5.1	4.6	8.2
1937	3.2	1.1	1.1	8.3	11.4	12.1	15.7	16.6	11.5	10.3	4.1	0.7	8.0
1938	2.9	3.0	5.2	5.2	8.8	10.9	14.2	15.4	13.1	9.3	7.0	3.6	8.2
1939	1.7	4.0	4.2	5.7	10.1	12.2	14.6	16.7	13.5	6.7	5.8	1.5	8.1
1940	-0.9	-1.5	2.2	5.3	12.3	13.1	14.2	11.9	9.7	7.8	5.0	1.7	6.7
Mean	2.6	1.9	3.1	5.7	10.5	12.7	15.0	14.6	11.8	7.9	5.4	3.1	7.9

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	113.4	184.6	24.8	91.4	130.9	244.0	156.1	31.0	82.4	310.0	108.6	248.2	1785.4
1932	369.1	71.9	51.8	165.5	43.7	92.4	109.3	157.3	453.3	177.4	236.0	272.0	2199.7
1933	140.5	206.1	106.1	120.1	25.3	25.0	217.7	257.0	67.5	149.2	73.3	99.7	1487.5
1934	413.6	269.9	135.2	85.8	159.1	77.2	47.8	336.0	242.9	507.2	252.5	55.0	2582.2
1935	267.4	340.6	120.6	80.2	36.0	137.1	173.6	122.7	235.4	376.5	179.7	77.5	2147.3
1936	124.4	48.7	52.7	68.3	8.7	47.5	178.7	274.7	48.5	248.6	270.5	448.2	1814.5
1937	114.4	77.7	26.8	41.0	97.4	255.9	76.8	55.6	372.2	147.3	78.6	81.4	1425.1
1938	259.9	158.7	453.9	122.6	171.1	200.1	216.8	133.8	254.3	303.9	359.7	217.9	2852.7
1939	117.3	294.1	107.6	156.4	21.9	200.5	190.3	173.4	94.1	80.4	297.0	125.3	1853.3
1940	55.2	121.1	51.5	87.0	27.0	41.9	161.5	198.0	302.0	69.9	179.3	133.6	1423.0
Mean	197.5	177.3	113.1	101.8	72.1	132.2	152.9	174.0	215.3	236.5	209.5	175.9	1958.1

\* See ADDITIONAL DATA, p. 601.

† See NOTES, p. 31.

BODÖ, NORWAY

Lat. 67°17' N. Long. 14°24' E. H<sub>b</sub> = 205 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Integral means  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	51.3	52.2	57.8	58.4	59.2	52.8	53.5	55.3	56.2	48.3	58.5	50.1	54.5
1932	46.6	61.5	57.3	51.5	60.3	58.9	56.0	57.8	46.3	49.5	53.7	53.4	54.4
1933	57.8	52.1	55.5	55.5	61.6	59.1	55.0	54.1	62.2	53.3	57.8	59.4	57.0
1934	46.8	48.0	52.1	56.1	55.2	59.0	57.6	55.9	58.7	46.6	52.5	57.3	53.8
1935	53.8	39.2	61.8	54.9	61.6	56.6	55.2	58.8	52.2	46.4	56.4	52.7	54.1
1936	48.3	56.1	57.3	56.2	65.1	59.4	53.0	55.2	58.9	51.6	50.7	43.8	54.6
1937	59.3	49.7	56.4	60.7	60.6	55.9	57.9	61.1	51.3	56.7	56.0	62.4	57.3
1938	44.1	53.9	49.9	55.1	56.4	52.0	57.5	57.3	57.6	50.3	46.6	60.3	53.0
1939	52.3	47.4	58.4	53.4	62.4	56.5	56.1	62.1	60.0	60.9	48.7	53.4	56.0
1940	62.4	59.8	54.4	56.4	63.1	59.5	55.5	53.3	50.0	59.0	48.2	55.7	56.4
Mean	52.3	52.0	55.6	55.8	60.6	57.0	55.7	57.1	55.3	52.3	52.9	54.8	55.1

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.8 m.

Integral means, reduced to the old station

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-2.1	-1.6	-2.3	3.4	7.4	7.6	14.6	11.1	6.9	3.3	4.6	0.4	4.4
1932	0.7	0.8	0.0	2.7	6.0	8.7	13.8	11.7	7.6	3.5	2.7	3.8	5.2
1933	1.2	-4.2	-0.9	1.0	6.7	12.8	13.3	13.1	11.3	5.5	1.5	0.6	5.2
1934	2.9	-0.7	0.9	2.1	7.6	8.8	16.4	16.6	13.3	6.1	2.5	1.0	6.5
1935	-0.6	-1.2	-0.7	2.8	4.0	9.1	11.7	12.7	8.4	5.4	3.9	1.7	4.3
1936	-3.4	-4.3	-0.3	2.0	9.0	11.3	15.1	13.4	9.9	3.9	3.9	2.4	5.2
1937	0.8	-4.1	-1.8	7.2	8.9	10.9	17.2	15.2	10.1	7.5	2.7	-2.2	6.0
1938	0.1	2.2	1.0	1.9	6.3	10.6	15.6	13.6	11.0	8.6	4.4	1.6	6.4
1939	-1.9	1.4	0.3	1.7	6.2	10.1	15.0	14.4	9.0	4.6	3.1	-1.1	5.2
1940	-2.8	-4.6	-4.3	1.4	9.9	11.1	11.9	11.3	9.6	6.4	0.9	-0.3	4.2
Mean	-0.5	-1.6	-0.8	2.6	7.2	10.1	14.5	13.3	9.7	5.5	3.0	0.8	5.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.8 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	22.6	26.3	83.0	0.7	74.8	102.8	76.0	85.2	99.1	195.4	97.8	103.3	967.0
1932	171.8	115.2	69.5	21.9	24.6	14.4	71.4	109.3	240.0	56.1	108.2	164.8	1167.2
1933	46.6	62.6	144.9	79.2	11.8	19.4	63.6	89.3	117.2	149.7	136.6	157.4	1078.3
1934	120.0	199.6	14.0	33.8	70.6	84.3	26.4	71.2	67.6	185.3	159.0	21.2	1053.0
1935	184.1	108.1	74.1	34.3	53.9	83.9	54.5	90.4	72.3	94.0	37.4	42.8	929.3
1936	15.9	90.7	79.0	50.7	36.4	67.1	97.5	138.8	165.3	112.0	142.4	155.5	1151.3
1937	74.2	29.0	21.9	30.1	79.5	94.3	22.6	66.6	125.2	213.4	175.4	62.9	995.1
1938	148.6	143.3	163.5	174.9	119.3	80.8	81.3	98.3	68.5	58.3	149.6	22.1	1308.5
1939	26.1	162.2	64.9	137.6	60.8	103.6	46.4	69.5	193.8	133.4	99.4	151.7	1249.4
1940	116.4	64.7	51.6	94.3	17.0	71.7	34.9	152.6	92.8	76.8	94.8	115.8	983.4
Mean	92.6	100.2	76.6	65.3	54.9	72.2	57.5	97.1	124.2	127.4	120.1	99.7	1088.3

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	53.6	54.4	60.1	60.7	61.5	55.0	55.7	57.6	58.5	50.6	60.8	52.4	56.7
1932	48.9	63.8	59.6	53.8	62.6	61.2	58.2	60.1	48.6	51.8	55.9	55.6	56.7
1933	60.1	54.4	57.9	57.8	63.9	61.3	57.3	56.4	64.5	55.6	60.1	61.7	59.2
1934	49.0	50.3	54.4	58.3	57.4	61.3	59.8	58.1	61.0	48.9	54.9	59.7	56.1
1935	56.2	41.5	64.2	57.3	64.0	58.9	57.5	61.1	54.4	48.7	58.6	55.0	56.4
1936	50.7	58.5	59.5	58.5	67.3	61.6	55.2	57.4	61.2	53.8	53.0	46.0	56.9
1937	61.0	52.0	58.7	63.0	62.8	58.1	60.1	63.3	53.5	58.9	58.3	64.8	55.3
1938	46.5	56.2	47.2	57.4	58.6	54.3	59.7	59.5	59.8	52.5	48.9	62.6	55.3
1939	54.7	49.7	60.7	55.6	64.8	58.8	58.3	64.3	62.3	63.3	51.0	55.7	58.3
1940	64.5	61.9	56.5	58.5	65.1	61.5	57.4	55.2	62.0	61.0	50.2	57.7	58.4
Mean	54.6	54.3	57.9	58.1	62.8	59.2	57.9	59.3	57.6	54.5	55.2	57.1	57.4

\* See NOTES, p. 32.

## OSLO \* (ASTRONOMICAL OBSERVATORY), NORWAY

Lat. 50°55' N. Long. 10°43' E. H<sub>b</sub> = 24.9 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Integral means

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.8	56.6	59.8	57.4	58.9	54.8	52.5	55.0	58.4	55.1	61.4	56.4	<b>56.6</b>
1932	57.1	66.9	59.8	51.5	57.4	57.6	55.3	59.0	51.2	50.2	59.0	61.3	<b>57.2</b>
1933	64.9	56.3	59.2	58.1	59.5	56.3	56.0	55.8	63.3	56.8	61.1	65.3	<b>59.4</b>
1934	56.8	57.3	53.2	57.7	57.4	58.4	55.9	55.0	60.0	50.6	58.3	58.0	<b>56.5</b>
1935	59.7	44.7	63.7	53.6	61.8	56.2	54.7	58.3	51.2	48.6	57.6	52.0	<b>55.2</b>
1936	48.1	58.5	60.4	55.6	63.8	58.7	53.4	57.1	61.6	54.1	55.3	52.9	<b>56.6</b>
1937	63.5	48.7	54.9	59.5	60.4	*56.7	56.3	60.3	53.5	61.0	58.9	62.2	<b>58.0</b>
1938	49.5	61.5	53.7	58.7	57.1	53.7	57.4	57.8	59.8	52.6	51.2	62.9	<b>56.3</b>
1939	53.4	54.6	60.3	54.8	62.3	57.1	54.7	61.8	61.9	53.1	52.7	58.7	<b>58.0</b>
1940	66.2	61.8	55.0	58.9	62.5	59.6	53.9	54.6	51.6	61.3	49.6	64.1	<b>58.3</b>
Mean	<b>57.2</b>	<b>56.7</b>	<b>58.0</b>	<b>56.6</b>	<b>60.1</b>	<b>56.9</b>	<b>55.0</b>	<b>57.5</b>	<b>57.2</b>	<b>54.3</b>	<b>56.5</b>	<b>59.4</b>	<b>57.2</b>

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2.1 m.

Integral means

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-5.3	-2.6	-2.7	3.9	10.8	13.2	16.6	14.5	9.5	5.9	4.1	-2.0	<b>5.5</b>
1932	1.1	-0.2	-0.4	5.1	11.1	14.8	17.6	16.8	10.9	4.2	0.9	1.2	<b>6.9</b>
1933	-2.2	-2.4	0.7	5.5	10.7	18.5	19.2	16.4	12.9	7.0	0.6	-3.8	<b>6.9</b>
1934	0.1	0.6	1.8	5.4	11.3	15.8	18.4	16.5	13.0	7.8	1.5	2.3	<b>7.9</b>
1935	-3.0	-0.9	0.4	5.6	10.4	15.3	18.6	17.0	11.1	6.8	4.2	-1.4	<b>7.0</b>
1936	-2.6	-4.3	0.9	4.4	12.6	17.6	17.6	16.7	10.2	4.9	2.6	1.9	<b>6.9</b>
1937	-2.0	-4.1	-1.4	7.0	12.6	*14.2	19.2	19.1	12.2	9.0	0.9	-4.5	<b>6.9</b>
1938	-1.8	0.3	5.1	6.5	10.2	13.9	17.2	18.0	13.4	7.8	4.6	-0.9	<b>7.8</b>
1939	-2.7	0.6	1.3	6.0	11.4	15.9	16.7	18.4	12.9	3.9	3.0	-4.8	<b>6.9</b>
1940	-6.8	-7.7	-1.8	4.0	13.0	17.8	16.8	14.6	10.3	5.6	1.9	-3.0	<b>5.4</b>
Mean	<b>-2.5</b>	<b>-2.1</b>	<b>0.3</b>	<b>5.3</b>	<b>11.4</b>	<b>15.7</b>	<b>17.8</b>	<b>16.8</b>	<b>11.6</b>	<b>6.3</b>	<b>2.4</b>	<b>-1.5</b>	<b>6.8</b>

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 2.6 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	51.4	65.5	13.8	50.4	92.3	14.3	115.1	84.8	21.2	26.6	90.1	36.1	<b>661.6</b>
1932	48.8	4.8	24.7	55.3	47.3	45.1	88.3	64.1	94.3	120.5	86.4	66.3	<b>745.9</b>
1933	47.9	47.6	30.2	12.8	33.1	60.5	66.5	64.5	34.1	154.6	3.5	1.2	<b>556.5</b>
1934	79.1	13.6	53.5	60.3	58.8	54.1	68.8	103.1	102.9	53.3	56.6	155.5	<b>859.6</b>
1935	36.5	57.2	49.5	62.0	1.2	75.0	40.1	18.2	147.1	164.1	85.8	85.5	<b>822.2</b>
1936	103.9	15.4	19.3	45.1	15.6	43.1	85.6	124.1	40.5	42.7	37.2	73.2	<b>645.7</b>
1937	50.8	42.5	54.2	60.7	70.7	*79.3	36.3	33.5	121.1	32.3	13.6	77.2	<b>672.2</b>
1938	54.9	18.1	6.8	11.8	31.0	70.1	72.9	68.8	115.9	126.7	85.8	124.8	<b>787.6</b>
1939	33.6	43.9	16.9	39.8	22.9	116.5	146.3	47.4	4.5	19.6	104.0	28.1	<b>623.5</b>
1940	17.7	11.7	33.8	40.3	13.1	19.0	197.7	87.4	101.8	53.0	81.1	40.6	<b>697.2</b>
Mean	<b>52.5</b>	<b>32.0</b>	<b>30.3</b>	<b>43.8</b>	<b>38.6</b>	<b>57.7</b>	<b>91.8</b>	<b>69.6</b>	<b>78.3</b>	<b>79.3</b>	<b>64.4</b>	<b>68.5</b>	<b>707.2</b>

\* See NOTES, p. 32.

## SLETNES,\* NORWAY

Lat. 71°5' N. Long. 28°14' E. H<sub>b</sub> = 10.2 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Integral means  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.3	54.0	54.3	62.6	61.0	54.9	56.6	56.2	54.1	46.6	61.6	47.2	55.3
1932	45.4	55.5	56.9	54.2	62.1	60.6	59.3	56.7	45.2	52.5	51.4	50.1	54.2
1933	58.7	53.6	55.5	55.6	63.4	61.0	56.1	56.0	61.9	54.4	55.7	56.6	57.4
1934	45.0	45.1	57.1	56.6	55.6	59.4	61.8	61.0	62.5	51.4	51.1	58.3	55.4
1935	51.5	40.8	56.5	59.3	58.8	58.5	56.6	60.4	53.7	53.2	60.4	57.1	55.6
1936	53.7	58.5	56.5	58.3	65.0	59.5	57.5	57.1	54.6	50.8	49.5	43.0	55.3
1937	59.6	51.2	59.9	62.8	61.0	55.9	62.3	62.4	53.6	55.0	55.4	64.0	58.6
1938	48.1	48.0	44.6	51.7	58.1	55.4	60.0	57.0	56.0	55.6	49.3	64.6	54.0
1939	53.5	47.2	59.3	54.1	63.1	56.6	60.1	62.1	58.0	58.0	50.7	52.8	56.3
1940	61.1	56.3	56.5	53.2	64.4	59.5	56.4	54.5	53.2	57.6	50.5	52.3	56.3
Mean	53.1	51.0	55.7	56.8	61.2	58.1	58.7	58.3	55.3	53.5	53.6	54.6	55.8

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.9 m.

Integral means

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-4.0	-4.6	-3.6	-0.6	2.6	4.1	10.4	9.1	5.2	2.2	1.0	-0.3	1.8
1932	-3.1	-3.6	-3.9	-1.1	1.1	5.5	7.6	9.7	6.1	1.1	-0.4	0.1	1.6
1933	-2.0	-5.2	-4.7	-2.3	1.9	6.8	9.5	10.2	7.4	2.4	-0.3	-2.5	1.8
1934	-1.3	-4.4	-3.0	-2.3	4.3	5.5	10.9	9.8	9.7	3.1	0.8	0.2	2.8
1935	-3.2	-3.6	-1.7	-0.6	0.9	6.1	7.6	10.2	5.1	2.4	1.0	-1.6	1.9
1936	-5.0	-6.8	-4.4	-0.7	4.1	8.4	7.8	11.1	6.2	2.5	0.6	-0.6	1.9
1937	-1.6	-5.0	-4.4	2.2	4.6	8.7	11.0	12.0	7.3	4.5	-0.8	-4.1	2.9
1938	-3.2	-1.3	-2.3	-0.3	2.8	6.5	11.3	10.2	9.7	4.7	1.4	-0.7	3.2
1939	-3.7	-3.8	-3.0	-1.6	2.5	6.1	9.5	10.8	4.5	2.5	1.0	-3.4	1.8
1940	-3.8	-5.5	-6.2	-2.7	4.6	6.6	7.6	10.0	7.4	3.3	-2.1	-2.0	1.4
Mean	-3.1	-4.4	-3.7	-1.0	2.9	6.4	9.3	10.3	6.9	2.9	0.2	-1.5	2.1

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 2.2 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	66.6	13.0	94.2	14.0	58.8	54.3	41.4	67.6	56.4	85.1	29.8	77.6	658.8
1932	69.1	64.1	62.2	40.7	50.3	15.7	45.3	86.3	111.4	47.4	85.8	80.8	759.1
1933	45.0	57.0	98.9	53.0	10.3	9.2	43.6	51.6	91.8	59.0	66.6	69.7	655.7
1934	31.1	60.6	11.3	36.3	41.0	44.1	17.9	26.2	55.3	14.1	26.7	35.6	400.2
1935	52.6	38.8	72.3	37.4	63.6	47.1	49.4	26.0	47.7	29.6	20.5	69.5	554.5
1936	36.4	15.8	28.3	24.3	32.5	39.2	72.2	69.9	132.4	87.2	63.3	37.2	638.7
1937	15.8	85.0	35.2	6.8	26.8	29.8	4.3	28.2	67.0	91.5	60.3	32.5	483.2
1938	27.1	58.2	62.3	67.4	35.6	60.4	24.0	52.8	83.1	40.0	70.8	3.7	585.4
1939	96.4	57.7	28.4	40.3	54.3	74.7	33.7	44.0	115.8	54.8	35.8	62.3	698.2
1940	63.9	80.2	49.7	81.3	21.4	40.7	88.2	56.4	51.1	57.7	50.0	46.1	686.7
Mean	50.4	53.0	54.3	40.2	39.5	41.5	42.0	50.9	81.2	56.6	51.0	51.5	612.1

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.2	54.9	55.2	63.5	61.9	55.8	57.5	57.1	55.0	47.5	62.5	48.1	56.2
1932	46.3	56.4	57.8	55.1	63.0	61.5	60.2	57.6	46.1	53.4	52.3	51.0	55.1
1933	59.6	54.5	56.4	56.5	64.3	61.9	57.0	56.9	62.8	55.3	50.6	57.5	58.3
1934	45.9	46.0	58.0	57.5	50.5	60.3	62.7	61.9	63.4	52.3	52.0	59.2	56.3
1935	52.4	41.7	54.0	60.2	59.7	59.4	57.5	61.3	54.6	54.1	61.3	58.0	56.5
1936	54.6	59.4	57.4	59.2	65.9	60.4	58.4	58.0	55.5	51.7	50.4	43.9	56.2
1937	60.5	52.1	60.8	63.7	61.9	56.8	63.2	63.3	54.5	55.9	56.3	64.9	59.5
1938	49.0	48.9	45.5	52.6	59.0	56.3	60.9	57.9	56.9	56.5	50.2	65.5	54.9
1939	54.4	48.1	60.2	55.0	64.0	57.5	61.0	63.0	58.9	58.9	51.6	53.7	57.2
1940	62.0	57.2	57.4	54.1	65.3	60.4	57.3	55.4	54.1	58.5	58.4	53.2	57.2
Mean	54.0	51.9	56.6	57.7	62.1	59.0	59.6	59.2	56.2	54.4	54.5	55.5	56.7

\* See ADDITIONAL DATA, p. 603.

## KRYNICA, POLAND

Lat. 49°25' N. Long. 20°57' E. H = 586 m.

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	17	104	45	25	66	94	96	210	79	68	64	...
1932	30	77	28	42	58	107	54	87	36	67	44	15	645
1933	16	66	24	67	65	99	158	67	136	106	81	36	921
1934	18	38	22	14	42	140	229	152	91	49	84	28	907
1935	55	57	51	47	85	114	137	91	72	78	25	33	845
1936	69	86	24	26	95	103	184	127	78	154	28	44	1018
1937	69	34	93	35	20	163	65	149	53	14	97	44	836
1938	87	37	129	107	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	49	52	59	43	56	113	132	110	97	78	61	38	*893

\* Sum of 12 monthly means.

## LWÓW (LEMBERG), POLAND

Lat. 49°50' N. Long. 24°1' E. H<sub>b</sub> = 333.3 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	30.3	33.0	30.3	30.9	32.8	33.4	31.4	30.3	31.6	34.5	33.3	34.3	32.6
1932	40.9	35.0	33.8	28.7	30.6	31.9	31.1	35.0	31.2	30.0	37.5	40.2	34.1
1933	38.7	30.8	35.0	31.3	30.0	27.6	33.2	32.4	33.7	33.8	32.7	34.4	32.8
1934	38.8	34.8	29.3	32.3	34.3	31.7	29.2	31.6	36.1	34.3	34.7	34.4	33.5
1935	34.0	26.1	36.2	29.3	32.9	34.7	32.2	33.4	33.3	31.3	36.7	29.5	32.5
1936	28.9	28.2	32.9	29.1	32.3	31.8	32.5	33.5	34.2	31.5	34.9	37.6	32.3
1937	37.4	26.8	28.1	30.6	35.3	34.0	31.5	31.3	33.7	36.8	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	35.6	30.7	32.2	30.4	32.6	32.2	31.6	32.5	33.8	33.2	30.7	30.1	*32.1

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 29 m.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-2.25	-3.44	-0.92	6.15	17.51	17.92	20.58	17.77	11.50	7.27	1.96	-1.88	7.68
1932	-1.79	-8.17	-2.87	8.26	16.38	16.67	21.72	19.69	17.66	11.00	3.31	1.11	8.58
1933	-7.49	-1.80	2.37	4.43	12.37	15.29	19.23	16.95	12.63	9.50	3.21	-6.53	6.68
1934	-3.12	-1.11	6.42	12.37	16.58	17.10	18.10	19.58	16.30	11.10	6.45	-0.62	9.93
1935	-6.26	-1.45	1.19	8.68	12.84	19.35	17.08	18.40	14.89	12.42	2.48	1.05	8.39
1936	2.36	-3.25	5.86	8.60	17.06	17.39	23.03	16.90	13.20	5.78	3.83	0.23	9.25
1937	-7.55	-0.53	4.72	8.30	18.71	19.74	19.36	18.71	17.07	9.22	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	-3.73	-2.82	2.40	8.11	15.92	17.64	19.87	18.29	14.75	9.47	3.54	-1.10	*8.53

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 28 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	33.7	4.4	32.9	23.4	32.3	45.9	133.6	120.1	67.3	44.9	25.9	45.4	609.8
1932	16.0	27.6	17.1	31.6	73.6	85.5	35.2	77.2	16.6	92.6	25.6	17.3	515.9
1933	30.0	36.2	26.7	28.0	76.2	119.4	107.0	90.9	66.0	89.0	84.3	36.1	789.8
1934	11.9	5.6	47.8	18.8	22.1	70.2	207.9	63.7	39.2	47.8	69.1	12.4	616.5
1935	32.2	20.9	36.2	65.1	95.5	72.6	123.0	70.6	64.9	28.0	9.7	31.2	649.9
1936	30.8	33.2	11.3	38.0	10.9	95.3	91.6	110.5	44.5	90.2	46.7	12.7	615.7
1937	36.7	11.4	24.4	60.7	8.8	56.2	63.0	127.9	35.5	8.1	20.0	37.0	489.7
1938	71.0	42.0	29.0	77.0	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	32.8	22.7	28.2	42.8	45.6	77.9	108.8	94.4	47.7	57.2	40.2	27.4	†625.7

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## WARSAWA (WARSAW), POLAND

Lat. 52°13' N. Long. 21°3' E. H<sub>b</sub> = 133 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , 15th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.9	49.6	47.9	47.7	49.0	49.6	47.6	46.4	48.0	50.7	55.4	50.2	49.0
1932	57.4	54.0	50.9	45.3	46.7	48.5	47.4	51.4	49.5	44.9	54.2	57.2	50.6
1933	57.2	47.8	52.4	48.9	47.3	44.6	50.1	49.1	50.3	50.2	49.5	52.9	50.0
1934	55.7	51.6	45.9	48.7	50.8	48.5	45.6	47.9	52.8	49.1	50.4	50.7	49.8
1935	51.5	41.3	51.0	45.6	50.2	50.6	47.9	49.6	48.3	46.6	52.1	45.6	48.6
1936	43.9	45.6	49.2	45.5	49.1	48.9	48.3	50.1	51.1	47.5	51.0	53.7	48.7
1937	55.9	42.2	43.9	47.6	51.8	50.2	47.5	48.4	49.3	52.9	49.5	48.1	48.9
1938	44.9	53.3	49.5	47.1	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	51.6	48.2	49.2	47.1	49.3	48.7	47.8	49.0	49.9	48.8	51.7	51.2	*49.3

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{4}(7^h + 13^h + 21^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-1.8	-3.2	-0.7	5.5	17.5	17.2	19.0	17.4	11.1	7.0	2.0	-0.2	7.6
1932	-0.4	-5.6	-2.0	8.0	15.6	15.6	21.4	19.2	16.1	9.4	3.3	0.4	8.4
1933	-7.4	-1.8	2.9	5.1	11.9	15.4	19.6	17.0	13.2	8.5	1.5	-6.5	6.6
1934	-2.2	0.4	4.6	10.9	15.2	17.1	18.3	18.6	15.8	10.2	5.8	-0.4	9.5
1935	-5.3	-0.4	1.3	8.0	11.1	18.8	17.2	17.6	14.1	10.0	3.3	0.2	8.0
1936	2.0	-3.1	4.6	8.0	16.0	17.9	20.7	16.6	12.8	5.3	5.0	1.0	8.9
1937	-6.4	-0.7	3.0	8.5	17.9	18.8	18.9	19.3	15.5	9.1	3.3	1.5	9.1
1938	-1.9	-0.4	5.8	5.0	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	-2.9	-1.9	2.4	7.4	15.0	17.3	19.3	18.0	14.1	8.5	3.5	-0.6	*8.3

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	41.-	31.-	9.-	37.-	16.-	77.-	67.-	102.-	92.-	31.-	6.-	41.-	550.0
1932	11.-	15.-	11.-	14.-	82.-	41.-	82.-	66.-	22.-	63.-	23.-	18.-	448.0
1933	9.-	38.5	10.3	32.-	75.-	73.-	54.-	64.-	42.-	18.-	32.-	20.-	467.8
1934	13.8	6.1	31.0	31.3	49.2	60.9	150.1	63.7	45.0	50.8	70.8	25.1	597.3
1935	11.2	39.3	14.9	50.7	91.7	50.3	113.3	60.5	46.2	70.4	8.7	24.3	581.5
1936	20.4	12.5	13.6	51.6	55.7	105.1	118.9	86.7	52.2	50.0	44.7	28.3	639.7
1937	10.0	35.6	73.7	31.4	16.3	63.5	46.3	96.2	33.2	13.8	71.9	31.9	526.8
1938	40.9	14.6	33.8	40.7	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	19.6	24.1	24.7	36.5	55.1	67.3	90.2	77.0	47.5	42.4	36.7	26.9	†548.0

\* Mean of 12 monthly means.

† Sum of 12 monthly means.



## WILNO (VILNA), POLAND

Lat. 54°41' N. Long. 25°15' E. H<sub>0</sub> = 135.7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , 30th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.0	52.0	45.4	47.1	49.2	47.5	47.1	45.0	45.9	48.0	56.3	45.6	47.8
1932	54.1	50.5	50.1	44.7	46.4	47.2	46.5	49.5	47.6	48.7	53.0	55.3	49.0
1933	58.2	46.7	50.9	45.7	45.8	43.8	48.7	46.0	49.1	49.9	49.5	51.8	48.3
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 130 m.Means of  $\frac{1}{4}(7^h + 13^h + 21^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-5.5	-7.0	-4.7	3.3	16.1	15.0	18.6	16.4	9.9	5.4	0.2	-2.0	5.5
1932	-1.3	-9.4	-5.7	5.3	15.3	15.2	20.9	17.8	14.0	7.5	1.9	0.2	6.8
1933	-8.7	-4.6	0.1	3.5	11.2	15.0	18.3	14.9	11.5	6.8	-0.5	-8.9	4.9
1934	-3.8	-1.5	1.6	9.2	14.6	16.8	18.7	18.0	14.9	9.4	4.3	-4.4	8.2
1935	-8.0	-2.4	-0.5	6.3	10.2	18.3	15.6	16.4	12.6	9.2	1.0	-1.0	6.5
1936	-0.6	-7.7	1.9	6.6	14.6	18.6	21.1	16.3	11.0	4.2	2.0	0.0	7.3
1937	-9.1	-3.7	0.4	7.4	18.6	18.1	17.4	18.7	14.8	9.3	2.3	-6.2	7.3
1938	-2.8	-0.8	3.7	4.4	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	-5.0	-4.6	-0.4	5.8	14.4	16.7	18.7	16.9	12.7	7.4	1.6	-3.2	*6.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	49	34	23	28	51	46	93	107	86	62	19	61	659
1932	103	25	12	24	55	53	103	116	62	108	24	27	619
1933	14	32	15	64	71	103	107	143	62	54	37	20	722
1934	15	39	28	23	44	18	125	47	58	49	80	1	527
1935	34	52	32	51	77	109	167	17	82	97	9	38	765
1936	49	40	38	55	23	46	93	129	60	76	26	62	697
1937	17	51	48	67	8	51	52	85	20	13	44	62	518
1938	21	42	43	37	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	26	39	30	44	47	61	106	92	61	66	34	39	†645

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## LISBOA (LISBON), PORTUGAL

Lat. 38°43' N. Long. 9°9' W.  $H_b = 95.4$  m.

## PRESSURE AT STATION LEVEL

Means of 24 hours

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.3	11.5	*99.7	3.5	5.3	6.2	6.2	5.9	5.4	6.2	7.4	13.0	6.7
1932	16.1	5.4	2.3	6.6	6.7	5.8	5.3	5.9	4.3	7.8	7.9	6.6	6.7
1933	7.7	6.7	7.1	7.1	5.1	5.5	7.4	5.8	5.8	4.6	2.1	6.1	5.9
1934	15.9	11.3	4.6	1.8	5.4	5.4	4.9	6.2	7.8	8.5	5.4	8.1	7.1
1935	11.9	10.6	7.5	7.4	3.4	7.4	6.3	4.7	7.9	8.2	6.2	5.8	7.3
1936	3.9	*99.4	*99.7	2.6	1.9	7.3	8.5	5.4	7.3	7.5	6.5	13.1	5.3
1937	6.9	9.8	3.0	5.8	6.9	7.1	5.4	4.5	5.3	1.8	3.4	7.8	5.6
1938	13.6	11.5	10.6	2.3	5.6	7.1	7.5	5.0	6.1	7.4	10.3	5.3	7.7
1939	6.6	11.5	7.4	5.1	4.5	3.3	6.5	5.4	3.6	3.2	10.4	6.1	6.3
1940	3.5	4.3	4.8	6.2	4.8	5.0	7.9	6.7	7.0	2.3	10.2	14.7	6.5
Mean	9.6	8.2	4.7	4.8	5.0	6.2	6.6	5.6	6.0	5.8	7.0	8.7	6.5

TEMPERATURE IN DEGREES C.  $h_t = 23.1$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.72	11.24	13.79	14.78	15.48	19.74	20.54	20.48	19.89	17.38	14.40	9.55	15.67
1932	10.10	9.38	13.01	12.80	15.45	18.44	20.67	22.53	20.64	16.45	14.01	11.67	15.43
1933	9.71	10.28	12.97	15.78	18.72	18.41	22.34	22.86	19.37	16.48	11.89	8.33	15.60
1934	9.26	9.48	11.01	12.14	16.92	19.27	21.32	20.20	20.04	18.43	11.10	13.29	15.20
1935	8.64	10.34	13.45	13.73	14.13	17.85	21.32	21.60	20.09	16.15	13.04	12.37	15.23
1936	12.74	12.38	12.23	14.00	14.19	16.61	19.85	22.30	20.17	16.56	12.61	9.93	15.30
1937	10.81	12.60	11.80	15.20	16.64	18.14	21.96	21.50	20.04	17.14	15.03	10.68	15.96
1938	10.40	10.92	14.51	15.95	16.30	20.18	20.60	21.26	18.38	17.85	15.56	11.33	16.10
1939	12.38	11.81	12.46	13.96	17.17	18.11	20.82	20.32	20.39	16.45	13.54	12.03	15.79
1940	11.53	12.64	14.35	15.22	16.13	19.64	20.36	23.92	20.45	16.11	13.26	9.80	16.12
Mean	10.63	11.11	12.96	14.36	16.11	18.64	20.98	21.70	19.95	16.90	13.44	10.90	15.64

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.6$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	57.1	13.9	107.0	40.1	47.7	11.6	0.4	9.2	21.4	75.6	74.5	0.3	458.8
1932	60.7	34.2	85.4	36.2	18.7	18.2	2.8	3.7	54.7	62.2	89.5	180.1	646.4
1933	84.5	9.9	102.1	5.2	35.8	5.9	0.5	0.2	16.0	151.8	64.6	91.9	563.4
1934	26.9	5.9	95.9	90.2	16.0	2.6	1.5	0.2	5.9	2.8	59.5	192.3	499.7
1935	3.0	37.8	61.3	30.0	36.2	16.0	0.0	3.9	4.4	5.9	126.9	105.4	430.3
1936	137.0	174.6	197.3	105.1	28.3	8.0	4.1	0.0	1.6	9.8	60.9	39.3	766.0
1937	190.3	45.9	167.3	34.2	24.1	10.1	0.1	0.0	20.0	152.4	238.2	114.8	997.4
1938	40.6	58.1	30.3	49.0	106.6	3.3	0.9	0.0	71.5	11.6	46.3	93.6	511.8
1939	181.3	61.6	24.1	81.1	22.5	53.7	0.7	0.4	60.9	134.3	93.2	128.7	842.5
1940	242.9	139.6	107.2	38.3	55.4	3.7	0.0	1.5	12.6	108.7	48.3	25.4	783.0
Mean	102.4	58.2	97.8	50.9	39.1	13.3	1.1	1.9	26.9	71.5	80.2	97.2	650.5

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	21.8	23.0	11.0	14.9	16.7	17.3	17.3	17.0	16.5	17.5	18.8	24.6	18.0
1932	27.8	17.0	13.6	18.1	17.1	17.1	16.4	16.9	15.4	19.1	19.3	18.1	18.0
1933	19.3	18.2	18.5	18.5	16.4	16.8	18.4	16.8	16.9	16.9	13.5	17.7	17.2
1934	27.6	22.9	16.1	13.2	16.7	16.5	16.0	17.3	18.9	19.8	16.9	19.5	18.5
1935	23.5	22.1	18.9	18.8	14.8	18.7	17.4	15.7	19.0	19.5	17.6	17.3	18.6
1936	15.4	10.8	11.1	13.9	13.2	18.6	19.6	16.4	18.4	18.8	18.0	24.7	16.6
1937	18.4	21.3	14.5	17.2	18.2	18.4	16.4	15.6	16.4	12.9	14.8	19.3	17.1
1938	25.1	23.0	22.0	13.4	16.9	18.2	18.6	16.1	17.4	18.7	21.7	16.8	19.0
1939	18.1	23.0	18.9	16.5	15.8	16.6	17.6	16.5	14.7	14.5	21.8	17.6	17.6
1940	15.0	15.8	16.2	17.6	16.1	16.1	18.5	17.7	18.1	13.4	21.6	16.3	15.9
Mean	21.2	19.7	16.1	16.2	16.2	17.4	17.7	16.6	17.2	18.0	18.4	19.2	17.7

\* 900 mb. +.

## BUCURESTI (BUCHAREST), RUMANIA

Lat. 44°25' N. Long. 26°6' E. H<sub>b</sub> = 82 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(8^h+14^h+20^h)$ , eastern Europe time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.6	56.3	53.2	53.0	53.6	54.3	51.9	52.0	54.2	57.6	61.2	59.8	55.1
1932	64.9	58.2	57.2	51.0	52.4	52.6	52.0	56.0	56.3	53.7	61.3	64.6	56.7
1933	61.8	54.9	57.7	53.3	51.0	49.8	53.9	53.8	56.5	56.3	56.4	57.5	55.2
1934	62.5	59.0	53.4	54.4	54.7	52.7	50.5	52.6	57.1	57.1	58.7	58.0	55.9
1935	57.3	51.8	58.2	51.6	54.6	55.4	53.5	54.1	55.6	54.5	60.8	53.2	55.0
1936	54.0	50.9	55.7	51.4	52.2	52.1	52.7	54.2	55.6	54.3	57.6	61.3	54.4
1937	59.9	51.9	51.7	52.3	55.7	54.9	51.7	51.1	54.8	58.5	55.5	53.5	54.3
1938	54.6	59.4	57.6	52.9	53.1	55.3	52.8	51.7	56.2	55.4	59.0	57.9	55.5
1939	54.1	58.9	50.6	54.4	51.1	52.4	53.6	53.6	55.3	52.9	58.6	55.8	54.3
1940	57.1	55.4	53.8	54.2	52.1	51.9	52.5	54.6	55.6	57.0	55.6	56.7	54.7
Mean	58.1	55.7	54.9	52.8	53.0	53.1	52.5	53.4	55.7	55.7	58.5	57.8	55.1

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.Means of  $\frac{1}{3}(8^h+14^h+20^h)^*$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-0.2	-1.1	3.5	9.8	18.0	21.9	24.2	22.7	15.7	11.1	4.4	-4.2	10.5
1932	-2.6	-6.5	-1.2	11.9	18.1	20.3	23.9	22.8	21.2	17.0	4.9	0.9	10.9
1933	-6.4	-1.3	4.2	8.7	15.1	18.7	21.0	20.9	16.1	12.4	6.7	-5.7	9.2
1934	-5.4	-3.6	7.3	14.5	18.5	21.3	22.3	22.2	17.8	12.9	8.7	1.9	11.5
1935	-4.4	-1.0	3.9	12.0	16.1	21.5	21.7	21.7	18.1	15.8	4.4	2.2	11.0
1936	4.2	1.0	8.7	12.7	16.5	20.0	25.7	21.7	17.8	10.3	6.6	1.6	12.2
1937	-4.3	-0.4	9.3	9.5	18.6	22.4	25.0	22.1	20.5	11.6	6.4	2.7	12.0
1938	-4.0	1.7	7.8	10.8	16.5	22.6	24.2	23.9	18.3	13.8	7.6	-1.1	11.8
1939	0.4	3.0	3.9	13.3	17.0	21.4	23.7	21.8	17.1	11.5	5.0	0.1	11.5
1940	-6.9	-3.2	3.0	10.1	15.3	19.2	22.5	19.6	18.2	11.8	8.1	-3.6	9.5
Mean	-3.0	-1.1	5.0	11.3	17.0	20.9	23.4	21.9	18.1	12.8	6.3	-0.5	11.0

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	41.9	15.9	69.4	59.9	85.6	110.6	33.8	53.7	46.4	25.4	70.8	20.0	633.4
1932	37.7	20.7	71.6	28.6	56.2	53.7	57.5	46.0	4.1	14.9	8.9	5.4	405.3
1933	69.9	66.6	50.3	43.8	71.9	95.1	115.5	79.2	28.2	21.1	88.1	55.5	785.2
1934	34.6	30.9	1.8	5.9	56.4	41.6	128.6	94.9	28.4	69.2	13.4	29.9	535.6
1935	53.2	54.6	41.0	85.2	64.2	123.8	58.3	58.8	17.1	2.7	54.7	59.6	673.2
1936	6.9	76.6	7.8	40.8	59.1	85.3	56.0	46.9	31.9	30.9	31.2	4.4	477.8
1937	36.3	64.7	22.9	119.3	77.3	6.1	11.7	89.9	11.1	96.9	56.6	65.8	658.6
1938	27.4	33.7	25.6	18.7	49.3	64.7	40.0	17.8	33.8	64.2	31.4	110.1	516.7
1939	16.4	10.2	102.6	17.9	101.0	66.2	80.6	123.4	25.4	101.4	58.7	43.4	747.2
1940	18.7	32.3	36.1	57.5	100.3	110.9	38.7	92.8	13.4	45.1	20.5	45.7	612.0
Mean	34.3	40.6	42.9	47.8	72.1	75.8	62.1	70.3	24.0	47.2	43.4	44.0	604.5

\* Calculated according to the formula of Köppen:  $m = n - k(n - \text{Min.})$ .

## CERNĂUȚI, RUMANIA

Lat. 48°17' N. Long. 25°56' E. H<sub>0</sub> = 225 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(S^h + 14^h + 20^h)$ , eastern Europe time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	38.5	41.3	37.3	38.0	39.5	40.0	38.1	37.3	38.5	42.0	46.4	42.0	39.9
1932	48.5	41.6	41.7	36.2	38.0	38.5	38.3	42.3	41.6	37.8	45.7	48.5	41.6
1933	47.1	39.2	42.6	38.4	36.9	34.7	40.5	39.9	40.7	41.8	40.7	41.7	40.4
1934	46.2	41.7	37.0	39.8	11.4	38.6	36.5	39.1	43.6	42.0	42.4	42.3	40.9
1935	42.1	34.6	43.5	36.9	39.8	41.7	39.4	40.1	40.4	39.2	45.9	38.3	40.2
1936	36.6	35.5	40.3	36.0	39.5	38.8	40.3	40.8	41.6	38.8	42.8	45.3	39.7
1937	45.5	35.4	36.5	38.4	42.0	40.9	38.1	37.3	40.7	43.8	40.6	38.2	39.8
1938	38.6	43.5	40.8	37.4	38.4	41.3	40.1	38.2	42.9	40.4	42.8	43.4	40.6
1939	38.0	43.0	36.3	39.3	36.4	39.6	40.4	42.3	41.6	38.4	43.3	40.6	39.9
1940	42.5	40.3	37.1	40.6	38.7	...	...	...	...	...	...	...	...
Mean	42.4	39.6	39.3	38.1	39.1	39.3	39.1	39.7	41.3	40.5	43.4	42.3	*40.3

TEMPERATURE IN DEGREES C. h<sub>r</sub> = 2 m.Means of  $\frac{1}{3}(S^h + 14^h + 20^h)$ †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-3.1	-5.2	-0.3	6.4	16.8	19.3	21.0	18.5	11.6	7.3	1.6	-2.2	7.6
1932	-3.5	-8.0	-4.1	7.9	16.0	16.7	21.1	19.5	17.0	11.7	2.5	-0.2	8.1
1933	-9.2	-2.6	1.1	4.4	12.9	16.2	18.6	18.1	12.6	8.8	2.4	-8.2	6.3
1934	-5.8	-1.2	5.5	11.4	16.5	17.2	18.5	18.8	15.2	9.9	6.2	-1.9	9.2
1935	-8.7	-3.9	0.3	8.1	12.4	18.9	17.4	18.0	14.8	12.2	-0.2	-0.1	7.4
1936	2.2	-3.9	4.5	8.6	16.3	17.8	23.1	18.2	12.9	6.2	3.5	-1.0	9.0
1937	-8.9	-3.2	4.3	7.1	17.0	18.8	19.3	18.1	16.3	8.4	3.4	-1.5	8.3
1938	-5.4	-0.4	5.3	6.4	13.3	18.5	20.5	19.1	14.6	11.0	5.5	-5.5	8.6
1939	-1.2	1.0	0.0	10.1	14.6	19.4	19.2	18.8	14.8	7.8	4.2	-3.5	8.8
1940	-10.9	-9.6	-1.2	6.6	12.0	...	...	...	...	...	...	...	...
Mean	-5.5	-3.7	1.5	7.7	14.8	18.1	19.9	18.6	14.4	9.3	3.2	-2.7	*8.4

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	22.6	10.5	30.2	37.0	147.0	60.4	68.5	99.7	107.0	42.5	50.1	22.5	698.0
1932	51.7	57.8	39.5	28.5	75.8	100.9	65.0	38.4	25.3	44.6	12.6	23.3	593.4
1933	49.5	40.3	123.1	74.4	45.6	67.4	157.0	109.9	63.6	123.9	31.3	43.9	929.9
1934	19.5	28.0	11.2	18.5	43.9	135.1	108.1	83.0	126.4	45.4	70.9	17.3	707.3
1935	72.5	44.6	47.0	76.7	57.9	64.1	68.2	44.8	41.7	16.9	14.5	13.5	562.4
1936	6.7	63.2	45.7	78.3	6.1	136.4	80.8	111.5	90.0	75.8	16.1	14.4	725.0
1937	58.0	19.0	9.4	59.3	22.7	29.5	78.6	155.7	14.3	34.0	28.5	21.2	530.2
1938	8.6	37.4	15.6	123.9	103.4	39.4	9.8	118.5	43.6	90.2	12.1	56.1	658.6
1939	9.7	16.7	92.0	16.4	99.2	18.4	101.2	35.3	36.1	144.3	15.7	42.5	627.5
1940	42.9	32.7	44.1	42.1	102.6	...	...	...	...	...	...	...	...
Mean	34.2	38.0	45.8	55.5	70.4	72.4	81.9	88.5	60.9	68.6	28.0	28.3	†672.5

\* Mean of 12 monthly means.

† Calculated according to the formula of Köppen:  $m = n - k(n - \text{Min.})$ .

‡ Sum of 12 monthly means.

SIBIU, RUMANIA

Lat. 45°47' N. Long. 24°9' E. H<sub>0</sub> = 419 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , eastern Europe time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.4	23.5	22.5	22.8	24.6	25.9	23.8	23.4	24.8	27.5	29.6	28.8	25.1
1932	34.2	27.2	25.3	21.1	23.2	24.3	23.4	27.4	27.9	24.5	30.6	33.9	26.9
1933	29.7	24.1	27.1	24.1	22.1	21.5	26.2	26.0	27.6	26.6	25.4	26.5	25.6
1934	31.3	29.4	22.4	24.7	26.4	24.5	29.0	24.6	28.3	28.1	23.7	26.1	26.5
1935	26.0	21.7	27.6	22.4	25.4	27.4	25.9	26.0	27.4	25.5	29.1	22.2	25.6
1936	23.6	20.1	25.2	22.2	23.5	24.5	25.3	26.9	27.1	24.9	27.9	31.4	25.2
1937	28.4	21.2	21.6	22.4	27.4	26.6	24.6	23.5	26.7	28.8	25.3	23.4	25.0
1938	24.8	29.8	28.9	24.1	24.4	27.7	25.7	24.1	28.3	26.6	29.2	25.8	26.6
1939	23.9	29.2	20.9	24.9	22.0	24.6	26.0	26.4	26.5	23.2	28.0	25.5	25.1
1940	26.0	24.8	23.6	24.5	22.8	23.8	24.7	26.6	27.2	26.9	25.9	26.4	25.3
Mean	27.1	25.1	24.5	23.3	24.2	25.1	24.9	25.5	27.2	26.3	28.0	27.0	25.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.

Means of  $\frac{1}{4}(7^h + 14^h + 21^h + 21^h)^*$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	— 1.6	1.7	1.8	7.8	17.2	19.4	21.6	19.3	11.5	8.8	3.0	—3.1	8.9
1932	— 8.2	—8.1	—1.0	9.1	15.4	16.2	20.6	19.0	16.8	12.4	1.0	—1.4	7.6
1933	— 6.1	—1.1	3.2	5.1	12.9	14.9	18.6	17.7	12.6	9.8	4.5	—5.7	7.2
1934	— 5.1	—4.3	7.9	13.9	17.0	17.8	19.1	19.1	16.5	9.0	7.0	3.1	10.0
1935	— 4.6	—3.4	2.8	9.1	12.9	19.3	18.1	18.7	14.4	13.3	1.9	0.4	8.7
1936	2.1	1.0	8.0	10.4	15.8	16.9	22.8	17.3	13.9	7.3	3.7	—2.6	9.7
1937	— 5.2	—0.8	7.9	8.1	16.8	19.7	19.7	17.9	17.0	9.1	4.9	1.2	9.7
1938	— 4.5	—1.9	4.6	7.2	13.8	19.6	21.4	19.7	14.5	11.0	4.7	—0.8	9.1
1939	— 0.3	0.8	1.4	10.5	14.3	17.3	19.6	17.6	13.9	8.9	2.8	—1.9	8.7
1940	—11.8	—4.8	1.7	9.2	12.4	16.7	20.3	16.7	15.7	10.2	5.8	—6.3	7.2
Mean	— 4.5	—2.1	3.7	9.0	14.9	17.8	20.2	18.3	14.6	10.0	3.9	—1.7	7.7

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	47.6	2.0	59.9	30.4	38.4	146.6	112.6	50.0	129.8	38.9	31.3	5.0	692.5
1932	44.6	18.7	68.8	32.6	89.3	134.3	22.3	76.9	42.3	57.4	19.8	17.0	624.0
1933	25.2	54.2	52.9	115.9	104.6	91.5	94.8	76.8	61.4	62.5	13.1	22.2	775.1
1934	18.3	14.7	13.2	9.2	37.4	131.6	121.8	125.5	61.2	46.3	12.1	29.6	620.9
1935	47.9	28.8	31.8	131.8	82.1	158.9	110.4	25.9	30.8	30.9	11.0	19.6	709.9
1936	2.3	50.0	16.7	81.8	23.9	118.0	101.0	122.9	73.0	51.1	13.0	16.2	669.9
1937	14.1	50.6	8.6	109.0	40.4	121.0	84.5	169.3	31.1	50.9	41.2	39.9	760.6
1938	14.9	36.6	22.6	67.6	130.3	63.5	59.7	42.3	35.1	46.8	19.7	28.8	567.9
1939	21.6	10.5	106.0	13.9	128.5	143.5	79.1	65.5	40.9	127.4	78.7	39.7	795.3
1940	31.4	18.9	27.1	36.4	117.1	232.1	60.9	88.3	11.1	26.0	12.9	21.1	683.3
Mean	26.8	28.5	40.8	62.9	79.2	134.1	84.7	84.3	51.7	53.8	19.3	23.9	689.9

\* Calculated according to the formula of Köppen:  $m = n - k(n - \text{Min.})$ .

## SULINA, RUMANIA

Lat. 44°9' N. Long. 29°40' E. H<sub>b</sub> = 2 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(S^h + 14^h + 20^h)$ , eastern Europe time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.4	62.0	58.3	59.9	59.6	60.5	57.8	57.3	60.1	63.9	67.7	66.6	61.2
1932	71.0	63.6	63.7	58.0	58.4	58.5	58.1	62.6	63.7	61.5	67.3	73.3	63.3
1933	68.6	62.5	63.8	59.3	57.9	55.4	57.7	58.1	62.1	63.1	62.3	64.4	61.4
1934	68.5	64.7	60.8	61.7	60.9	58.2	56.5	59.2	63.8	63.0	64.5	64.6	62.2
1935	63.9	57.9	64.7	58.7	62.0	61.2	58.6	59.6	61.7	61.9	67.3	60.9	61.5
1936	61.3	58.8	63.9	58.9	60.0	57.9	57.6	59.1	62.2	61.4	64.4	67.6	61.1
1937	66.5	59.2	59.3	60.2	62.1	61.6	57.0	56.6	63.0	68.2	66.1	63.2	61.9
1938	64.1	68.7	67.2	63.2	63.3	63.9	60.0	59.9	64.5	65.0	67.7	66.2	64.5
1939	62.5	65.8	57.6	61.6	58.4	58.7	59.3	59.2	61.9	59.3	65.1	62.0	61.0
1940	64.3	62.2	61.2	62.8	60.3	59.4	59.2	61.1	63.1	64.3	63.7	64.5	62.2
Mean	65.1	62.5	62.0	62.4	60.3	59.5	58.2	59.3	62.6	63.2	63.7	65.3	62.0

TEMPERATURE IN DEGREES C. h<sub>c</sub> = 2 m.Means of  $\frac{1}{3}(S^h + 14^h + 20^h)^*$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.0	-1.3	2.9	7.2	16.8	21.5	23.7	21.8	16.8	11.1	4.5	-1.1	10.3
1932	0.0	-5.4	-0.2	10.1	15.8	19.2	23.9	22.1	19.7	17.3	6.0	4.3	11.0
1933	-2.2	0.4	2.9	7.8	14.0	18.4	21.5	21.0	15.5	12.7	8.6	-3.2	9.8
1934	-1.3	-1.5	6.0	10.6	17.1	19.9	22.6	21.9	18.2	13.7	8.8	1.6	11.5
1935	-4.0	-0.2	2.2	9.8	13.7	20.7	21.3	21.4	17.6	15.0	5.5	4.1	10.6
1936	5.4	1.8	6.7	10.5	15.5	19.8	25.5	22.1	16.3	10.8	7.5	1.9	12.0
1937	-3.8	1.1	7.8	9.6	18.8	20.3	23.3	21.7	20.5	12.4	7.7	4.1	12.0
1938	-1.5	0.9	6.1	9.6	15.0	21.3	24.7	24.0	18.0	14.1	8.6	0.3	11.3
1939	2.2	2.4	3.5	11.2	15.9	21.4	24.0	22.2	17.3	12.8	6.4	1.1	11.7
1940	-5.1	-0.6	1.6	8.3	13.3	20.2	23.2	20.4	17.4	12.5	9.5	-2.1	9.9
Mean	-1.0	-0.2	3.9	9.5	15.6	20.3	23.3	21.9	17.7	13.2	7.3	1.1	11.1

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	30.8	12.7	45.3	73.3	1.5	33.6	13.4	31.3	36.9	12.8	30.8	9.0	331.4
1932	4.0	27.2	11.7	32.8	63.0	102.1	68.3	31.8	3.2	19.0	30.3	22.0	415.4
1933	119.4	9.6	25.4	36.6	54.1	24.0	49.3	41.5	17.6	31.9	24.0	12.7	446.1
1934	19.1	0.0	1.6	3.2	14.4	19.2	59.1	94.1	40.0	8.0	6.4	6.4	271.5
1935	25.4	16.0	...	50.9	22.3	17.5	10.2	19.1	8.0	10.1	27.2	42.8	249.5
1936	3.2	33.5	0.5	33.6	3.2	46.6	23.6	15.0	3.2	27.0	30.9	32.0	252.3
1937	50.0	36.0	15.2	42.4	...	13.0	9.0	86.0	2.0	30.0	69.0	51.0	403.6
1938	15.9	3.2	3.2	8.0	12.0	43.6	3.2	44.9	73.8	40.0	20.4	11.0	279.2
1939	15.0	10.0	38.0	32.0	9.5	5.8	3.2	272.9	54.6	118.5	50.6	80.4	690.5
1940	26.7	66.5	26.2	18.0	99.3	95.9	12.9	42.4	9.5	29.2	12.2	44.8	483.6
Mean	30.9	21.5	16.7	33.1	27.9	40.1	25.2	67.9	24.9	32.6	30.2	31.2	382.3

\* Calculated according to the formula of Köppen:  $m = n - k(n - \text{Min.})$ .

HAPARANDA, SWEDEN

Lat. 65°50' N. Long. 27°9' E. H<sub>b</sub> = 9.2 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(8^h + 14^h + 21^h)$ , 15th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	57.2	60.8	57.3	60.7	60.7	52.2	56.6	55.1	55.5	50.0	65.9	51.5	57.0
1932	50.6	60.7	59.6	53.9	60.5	53.5	57.3	58.3	47.7	52.2	57.3	56.5	56.1
1933	66.0	57.2	58.1	57.2	62.6	60.1	55.8	56.4	64.6	57.5	60.1	60.8	59.7
1934	53.1	50.0	58.7	58.4	57.4	58.5	58.9	59.0	62.4	51.9	55.8	63.3	57.3
1935	57.1	43.8	60.8	57.2	60.9	57.7	54.5	60.5	53.0	51.3	63.3	57.8	56.5
1936	54.2	61.8	61.2	58.3	65.7	59.2	55.4	58.3	58.4	52.9	55.3	49.1	57.5
1937	67.1	53.5	59.3	64.9	61.4	58.2	59.3	63.0	53.9	60.2	58.5	66.1	60.5
1938	51.1	54.5	47.2	54.1	37.6	52.1	59.8	58.8	59.7	55.8	51.1	68.7	55.9
1939	56.5	51.2	61.7	54.7	63.1	57.3	57.8	63.8	59.8	62.2	52.8	56.4	58.1
1940	64.9	61.0	57.2	57.6	65.0	59.5	55.1	55.5	51.7	61.3	51.1	57.3	58.1
Mean	57.8	55.4	58.1	57.7	61.5	57.3	57.0	58.9	56.7	55.5	57.1	58.8	57.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 3.1 m.

Means of 8<sup>h</sup>, 14<sup>h</sup>, and 21<sup>h</sup> by Ekholm formula

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-11.5	-10.8	-8.0	-0.4	6.3	8.7	16.6	13.6	5.3	1.9	0.4	-6.1	1.3
1932	-4.6	-8.4	-6.1	0.3	4.9	10.5	16.7	13.9	7.9	0.0	-1.3	-1.0	2.7
1933	-6.7	-12.7	-8.5	-1.6	5.1	13.8	16.4	13.2	7.8	2.5	-6.2	-7.7	1.3
1934	-3.1	-8.8	-5.4	-2.1	6.9	12.1	18.0	15.3	12.0	3.4	-1.7	-4.5	3.5
1935	-8.2	-9.5	-6.9	-0.8	3.1	12.1	15.8	12.5	6.7	2.6	0.5	-4.1	2.0
1936	-10.5	-17.6	-9.6	-0.8	8.1	16.1	16.0	14.6	7.9	0.3	-0.3	-1.0	1.9
1937	-6.0	-13.3	-6.7	1.3	8.7	14.0	18.5	17.2	8.1	4.7	-1.3	-8.5	3.1
1938	-7.7	-3.9	-4.0	0.0	5.6	12.8	18.5	15.8	10.1	5.3	1.5	-2.7	4.3
1939	-9.2	-6.4	-5.8	-1.6	5.4	11.9	16.4	16.8	7.3	0.6	-0.5	-9.0	2.2
1940	-16.2	-14.2	-12.7	-1.9	7.4	12.8	15.3	13.4	9.3	3.7	-4.2	-9.7	0.3
Mean	-8.4	-10.6	-7.4	-0.3	6.2	12.5	16.8	14.6	8.2	2.5	-1.3	-5.4	2.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 2.1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	53.1	61.8	16.0	39.3	19.2	71.0	61.8	162.8	36.5	82.7	55.1	48.0	707.3
1932	85.5	16.3	19.1	64.5	50.6	81.0	31.8	103.3	117.4	92.9	49.6	35.5	747.8
1933	39.8	53.1	13.7	26.0	7.0	12.2	64.4	23.6	23.5	79.4	38.8	14.8	396.3
1934	53.9	48.7	47.7	65.8	23.5	22.1	74.2	96.8	46.2	78.5	56.2	73.2	686.3
1935	54.7	111.0	12.6	69.4	38.3	59.7	86.6	76.6	121.0	124.2	107.6	70.6	932.3
1936	86.0	29.0	14.2	35.8	9.7	39.0	95.4	109.5	2.3	40.8	78.3	68.6	608.6
1937	23.9	36.1	60.1	14.1	45.8	21.5	11.6	20.6	94.0	38.9	76.8	16.5	460.2
1938	132.9	24.4	62.2	10.5	35.4	48.3	44.1	71.2	74.2	85.3	87.5	51.5	727.5
1939	23.7	49.0	14.7	47.6	15.4	64.0	53.6	34.3	33.7	18.4	94.4	42.3	481.1
1940	34.1	41.6	25.4	15.4	20.2	47.4	16.2	85.5	102.9	37.8	99.4	16.5	545.4
Mean	58.8	47.1	28.9	38.9	26.5	45.6	54.0	78.4	65.2	67.9	74.4	43.8	629.3

## KARESUANDO, SWEDEN

Lat. 68°27' N. Long. 22°30' E.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	13.3	9.1	10.9	18.0	71.3	64.7	36.1	85.1	9.0	45.1	31.8	13.9	408.3
1932	33.2	10.0	18.7	18.2	38.9	47.1	117.1	86.1	155.0	17.7	25.8	11.4	579.2
1933	17.9	23.5	12.6	30.7	4.0	8.8	82.7	60.1	5.2	33.5	10.2	17.5	306.7
1934	15.8	33.9	25.1	21.2	25.7	45.9	68.9	67.2	45.4	32.7	24.8	14.9	421.5
1935	21.8	46.9	6.2	40.0	13.7	61.1	68.4	26.9	28.5	61.3	34.7	50.6	460.1
1936	27.4	35.0	9.8	25.2	3.6	47.7	87.9	71.6	3.5	33.8	22.6	38.7	406.8
1937	15.7	11.5	22.0	13.2	21.6	33.1	61.0	21.3	63.3	5.1	31.9	6.6	306.8
1938	34.8	14.8	25.9	11.3	49.2	45.3	72.7	39.8	8.6	30.4	39.9	13.7	386.4
1939	15.0	26.6	12.6	12.2	22.5	57.4	86.6	19.1	32.5	6.6	58.7	14.6	364.4
1940	21.7	1.4	10.7	12.7	14.9	52.4	83.0	66.8	70.7	11.9	26.3	10.7	383.2
Mean	21.7	21.3	15.4	20.3	26.5	46.4	76.4	54.4	42.2	27.8	30.7	19.3	402.3

## ÖSTERSUND, SWEDEN

Lat. 63°11' N. Long. 14°39' E.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	26.9	12.2	11.4	32.9	26.4	62.7	97.7	83.8	20.3	49.3	19.0	58.2	500.8
1932	45.0	14.7	8.6	27.5	27.4	39.6	55.1	39.4	50.7	34.8	20.0	2.3	365.1
1933	21.5	17.1	23.4	26.8	11.6	30.0	83.1	83.3	21.2	50.7	17.9	29.1	415.7
1934	14.3	40.1	25.6	34.6	19.8	44.4	57.7	78.9	53.8	60.5	53.3	39.0	522.0
1935	54.5	21.1	15.3	48.8	20.8	91.0	86.8	79.2	52.2	55.9	39.7	78.0	643.3
1936	48.1	5.4	29.8	42.0	45.3	9.5	90.9	94.3	4.2	52.7	25.6	39.2	487.0
1937	24.8	37.9	30.5	20.0	52.9	66.7	31.9	43.7	138.5	18.6	69.1	43.8	578.4
1938	48.9	9.2	42.8	27.6	75.7	67.4	109.4	48.4	112.1	74.0	38.2	15.2	668.9
1939	35.7	28.1	8.3	29.0	9.1	56.4	133.5	17.3	37.9	6.3	24.1	17.7	403.4
1940	34.8	19.8	14.2	1.5	7.6	86.7	67.1	168.8	128.8	37.5	95.0	44.7	706.5
Mean	35.4	20.6	21.0	29.1	29.7	55.4	81.3	73.7	62.0	44.0	40.2	36.7	529.1



## UPPSALA, SWEDEN

Lat. 59°51' N. Long. 17°38' E. H<sub>b</sub> = 24 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.\*Means of 24 hours, 15th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.2	58.5	57.6	57.3	59.5	54.0	53.8	54.3	56.5	54.1	63.7	53.7	56.3
1932	57.5	64.3	59.5	53.1	58.2	57.8	56.5	59.5	52.3	51.4	59.7	61.9	57.6
1933	66.0	56.3	58.9	56.6	59.3	57.2	55.9	55.6	62.5	57.2	59.8	63.1	59.0
1934	58.0	55.1	54.7	58.5	57.7	58.1	55.3	56.5	61.3	51.3	57.3	60.2	57.0
1935	58.5	44.5	62.8	54.4	61.3	57.0	53.9	58.8	51.7	49.8	60.0	53.2	55.5
1936	49.3	58.2	60.1	54.9	63.2	58.8	54.2	57.2	60.3	53.0	56.4	53.7	56.6
1937	65.7	49.1	54.6	60.8	60.4	57.4	55.6	59.9	53.1	61.0	57.1	60.9	58.0
1938	49.4	59.6	51.6	56.0	57.0	53.1	57.9	58.1	60.2	53.8	53.0	64.9	56.2
1939	60.4	53.8	59.4	54.3	62.1	57.5	55.4	62.4	60.6	62.0	54.2	57.7	57.7
1940	64.9	61.2	54.7	59.4	62.6	59.7	54.3	54.7	51.7	61.6	49.9	58.0	57.8
Mean	57.5	56.1	57.4	56.5	60.1	57.1	55.3	57.7	57.0	55.5	57.1	58.8	57.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.3 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-4.6	-4.3	-5.3	1.9	10.5	12.4	17.0	14.7	7.8	4.4	3.3	-3.0	4.6
1932	0.6	-2.7	-2.4	3.5	9.2	12.1	18.5	15.9	10.9	4.1	1.7	1.9	6.1
1933	-2.4	-4.4	0.4	3.6	8.4	15.4	18.6	15.5	11.1	6.7	-0.2	-4.6	5.7
1934	0.0	-0.3	0.2	5.1	11.8	14.6	16.2	16.6	14.1	7.4	2.3	2.0	7.5
1935	-3.5	-2.0	-0.7	4.5	7.7	15.8	16.8	15.1	10.7	6.4	3.9	-1.2	6.1
1936	-2.6	-6.1	0.2	3.1	10.0	18.2	18.5	15.9	9.9	3.7	2.5	2.2	6.3
1937	-2.5	-4.6	-2.7	5.4	13.1	15.8	18.7	18.1	12.2	8.1	1.8	-5.1	6.5
1938	-2.4	0.3	3.8	4.6	9.6	14.3	17.7	17.8	13.1	7.2	4.2	-1.2	7.4
1939	-2.2	1.5	-0.3	4.5	9.6	15.2	17.6	18.6	10.8	2.8	2.3	-4.9	6.3
1940	-8.5	-11.4	-6.1	2.5	11.2	16.2	18.0	14.4	9.9	5.1	1.7	-4.1	4.1
Mean	-2.8	-3.4	-1.3	3.9	10.1	15.0	17.8	16.3	11.0	5.6	2.4	-1.8	6.1

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.2 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	63.4	30.2	21.0	24.4	39.2	18.2	45.2	101.2	45.5	47.6	12.6	88.7	537.2
1932	35.0	11.3	18.3	56.9	69.3	65.1	79.1	54.1	47.1	52.5	68.3	16.1	573.1
1933	26.0	26.5	29.0	19.6	34.9	25.1	105.1	56.7	39.0	45.0	26.3	10.9	444.1
1934	24.8	33.8	65.0	22.6	33.0	58.1	99.8	53.5	41.4	135.4	81.7	43.6	692.7
1935	36.5	37.0	31.2	41.5	48.9	49.1	70.4	23.0	154.1	80.1	30.9	65.8	668.5
1936	54.2	22.3	13.1	49.9	47.8	26.0	78.7	146.9	79.2	70.5	59.3	37.9	685.8
1937	23.8	54.4	66.7	36.2	35.0	50.1	37.9	46.6	98.7	9.0	45.0	38.3	541.7
1938	61.1	20.2	25.2	32.1	39.3	70.0	83.4	100.4	41.4	85.8	53.3	19.5	631.7
1939	67.1	18.4	14.6	31.6	11.0	67.3	90.0	85.6	55.9	18.2	59.5	39.6	558.8
1940	14.4	19.9	39.4	20.9	17.5	22.7	44.0	86.2	67.6	63.3	59.8	18.4	474.1
Mean	40.6	27.4	32.4	33.6	37.6	45.2	73.4	75.4	67.0	60.7	49.7	37.9	580.8

\* A gravity correction of +0.9 mm. was added to the pressure.

## SÄNTIS, SWITZERLAND

Lat. 47°15' N. Long. 9°20' E. H<sub>b</sub> = 2500.1 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.)

Means of  $\frac{1}{4}(7^h 30^m + 13^h 30^m + 21^h 30^m)$ , 15th meridian E.

500 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.6	54.2	55.9	57.6	62.6	67.4	65.2	63.9	63.3	64.0	60.8	62.1	61.0
1932	66.0	58.9	56.7	56.5	60.9	64.2	64.7	69.8	66.5	59.4	62.8	63.5	62.5
1933	58.9	57.0	60.6	61.6	61.2	60.8	68.7	68.2	65.9	62.1	55.8	56.2	61.4
1934	61.8	63.5	54.4	58.7	64.7	64.9	66.8	64.8	67.6	64.0	60.3	58.0	62.5
1935	57.6	54.7	60.5	57.2	60.8	67.0	68.1	65.9	66.0	60.8	58.9	52.4	60.8
1936	55.2	53.3	57.8	57.0	60.7	64.6	65.6	68.0	65.6	60.8	60.1	63.2	61.0
1937	59.2	54.4	52.5	57.6	64.6	66.0	66.6	66.2	63.9	63.0	59.3	54.8	60.7
1938	57.6	61.7	66.3	60.0	60.9	67.8	66.6	65.0	65.8	63.1	63.3	55.6	62.8
1939	55.6	62.2	55.2	60.3	59.2	64.8	66.1	66.4	64.1	58.7	61.7	57.1	61.0
1940	55.1	56.6	58.3	59.3	61.3	64.2	65.4	67.2	65.4	60.5	59.2	57.2	60.8
Mean	58.3	57.6	57.8	58.6	61.7	65.1	66.4	66.5	65.4	61.6	60.2	58.0	61.4

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{4}(7^h 30^m + 13^h 30^m + 21^h 30^m + 21^h 30^m)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-10.4	-11.9	-7.7	-5.8	2.2	5.9	4.5	3.6	-2.2	-1.0	-2.2	-8.0	-2.7
1932	-4.6	-11.3	-8.4	-6.4	-0.5	2.2	5.2	8.5	6.2	-2.4	-3.4	-4.6	-1.6
1933	-10.4	-10.4	-5.6	-4.4	-2.0	0.4	6.2	6.5	3.7	-0.8	-7.0	-9.0	-2.7
1934	-8.2	-6.8	-6.8	-1.3	2.2	3.2	6.6	4.2	4.8	-1.0	-4.0	-4.8	-1.0
1935	-11.8	-9.6	-8.3	-5.6	-1.6	5.7	6.0	4.7	3.7	-1.4	-4.4	-9.2	-2.6
1936	-6.6	-9.1	-5.3	-4.6	0.7	3.0	4.6	5.4	2.7	-5.4	-4.6	-6.1	-2.1
1937	-6.5	-8.4	-8.7	-5.6	1.6	4.4	5.5	4.9	2.0	0.4	-5.8	-10.6	-2.2
1938	-9.6	-8.2	-4.1	-8.4	-1.3	5.1	4.9	5.2	3.6	0.1	-1.5	-8.5	-1.9
1939	-7.6	-5.9	-11.3	-2.4	-2.5	4.1	4.7	5.8	2.3	-3.2	-3.2	-9.1	-2.4
1940	-10.2	-8.4	-7.7	-4.3	-0.7	2.4	3.7	3.6	2.6	-0.4	-5.4	-11.3	-3.0
Mean	-8.6	-9.0	-7.4	-4.9	-0.2	3.6	5.2	5.2	2.9	-1.5	-4.1	-8.1	-2.2

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.3 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	359	265	223	310	152	150	307	318	239	93	39	134	2589
1932	186	7	102	150	388	168	275	161	96	418	181	24	2156
1933	126	194	108	211	696	434	288	157	124	155	145	9	2647
1934	257	17	87	33	64	268	263	388	176	207	42	167	1969
1935	225	199	218	359	157	216	136	262	191	264	85	153	2465
1936	379	149	70	134	108	277	441	230	341	219	97	160	2605
1937	184	374	125	359	166	251	205	316	233	56	116	106	2491
1938	253	119	108	131	191	146	281	344	126	109	85	147	2040
1939	156	90	299	69	197	211	307	265	173	425	376	236	2804
1940	120	220	300	205	360	201	454	370	480	54	276	305	3345
Mean	225	163	164	196	248	232	296	281	218	200	144	144	2511

## ZÜRICH, SWITZERLAND

Lat. 47°23' N. Long. 8°33' E. H<sub>b</sub> = 493.2 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.)

Means of  $\frac{1}{3}(7^h 30^m + 13^h 30^m + 21^h 30^m)$ , 15th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.4	16.3	15.9	16.1	16.7	20.9	18.8	18.0	21.0	21.7	18.4	24.6	18.8
1932	27.1	23.1	16.9	14.9	16.8	19.0	17.9	22.0	19.4	16.0	21.5	23.1	19.8
1933	21.7	18.4	10.8	20.0	18.0	15.9	22.0	21.3	20.0	18.3	14.7	18.1	19.0
1934	23.9	25.2	12.8	14.3	19.8	19.1	19.6	18.4	21.6	21.2	18.9	15.7	19.2
1935	21.0	15.5	21.4	15.7	17.2	20.3	21.2	19.3	20.4	17.7	16.6	11.9	18.2
1936	13.3	12.7	15.6	14.5	15.7	19.2	19.2	21.9	20.5	20.3	18.8	24.0	18.0
1937	18.7	13.9	11.2	15.6	19.5	19.8	19.9	19.7	18.6	18.8	18.5	15.8	17.5
1938	19.3	23.5	25.7	20.8	17.2	21.1	20.2	18.2	20.1	19.7	20.4	16.3	20.2
1939	14.6	22.7	16.8	17.2	16.2	18.5	19.9	19.5	19.2	15.5	19.9	18.1	18.2
1940	17.7	16.9	18.1	16.9	17.0	18.7	19.4	22.1	20.1	16.5	17.9	20.9	18.5
Mean	19.5	18.8	17.4	16.6	17.4	19.2	19.8	20.0	20.0	18.6	18.6	18.8	18.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.9 m.Means of  $\frac{1}{4}(7^h 30^m + 13^h 30^m + 21^h 30^m + 21^h 30^m)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.4	-0.4	1.5	7.8	15.5	18.4	17.2	15.7	10.1	8.2	5.4	-0.3	8.3
1932	0.5	-2.8	2.4	7.6	12.2	15.4	17.1	19.6	17.1	9.7	5.1	0.4	8.7
1933	-2.6	1.0	5.9	9.3	11.5	13.8	19.1	19.0	14.9	9.9	3.4	-3.8	8.4
1934	-0.2	0.3	4.7	11.9	15.3	16.7	19.1	16.5	16.0	9.6	3.1	4.5	9.8
1935	-1.6	2.4	3.8	7.8	11.7	18.5	19.8	16.8	15.0	9.3	5.5	-0.4	9.0
1936	4.2	1.7	6.8	8.2	13.6	16.0	16.9	17.0	14.2	6.5	4.6	2.0	9.3
1937	1.3	4.0	4.0	8.7	15.2	17.6	18.4	17.7	13.6	9.4	4.0	0.1	9.5
1938	1.5	0.8	8.0	6.2	11.4	17.6	17.2	17.3	14.8	9.5	6.5	-1.6	9.1
1939	2.2	1.6	2.4	10.4	10.0	16.6	17.1	17.8	13.4	8.0	6.4	-0.7	8.8
1940	-5.5	0.2	4.9	9.3	12.7	16.2	16.6	16.1	14.2	8.7	5.5	-3.4	8.0
Mean	0.0	0.9	4.4	8.7	12.9	16.7	17.8	17.4	14.3	8.9	5.0	0.0	8.9

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.4 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	98	89	129	85	120	138	188	166	92	66	18	54	1243
1932	51	8	106	70	124	95	238	95	48	97	47	13	992
1933	41	59	45	71	198	190	95	61	83	110	69	8	1030
1934	78	9	53	23	43	163	98	180	122	102	23	76	970
1935	45	167	33	137	105	89	76	95	101	190	51	119	1208
1936	75	51	34	154	101	162	232	81	184	77	54	41	1246
1937	76	137	106	106	74	100	75	94	164	46	56	44	1078
1938	125	30	38	27	103	133	189	171	101	35	36	55	1043
1939	55	16	119	44	255	109	132	123	123	217	101	67	1361
1940	55	78	81	84	153	123	164	134	235	57	123	93	1380
Mean	70	64	74	80	128	130	149	120	125	100	58	57	1155

## ARKHANGELSK (ARCHANGEL), U. S. S. R.

Lat. 64°35' N. Long. 40°30' E. H<sub>p</sub> = 6.7 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.8	68.1	54.6	62.5	61.4	52.8	59.8	56.9	52.0	51.6	68.8	51.6	58.5
1932	51.2	57.0	59.8	57.6	60.5	58.8	58.6	59.7	52.2	54.0	58.4	57.6	57.1
1933	71.8	62.2	57.4	58.0	61.7	60.0	56.7	56.1	63.4	59.4	57.9	58.2	60.2
1934	58.0	50.3	61.8	59.0	58.1	57.3	60.6	60.4	65.0	57.0	59.4	63.8	59.2
1935	58.4	49.6	57.6	59.6	60.3	58.1	53.4	60.3	52.9	57.3	69.3	63.4	58.4
1936	58.4	63.1	61.6	60.7	65.2	59.9	57.5	61.5	55.3	53.9	59.1	54.0	59.2
1937	70.4	54.5	62.5	66.5	61.2	59.9	58.2	65.2	57.2	61.7	62.8	67.9	62.3
1938	59.9	54.5	46.7	51.9	59.3	53.1	61.1	59.9	61.5	60.4	54.9	74.6	58.2
1939	57.4	52.3	62.2	54.4	61.5	57.4	59.0	64.0	56.7	59.8	58.3	55.3	58.2
1940	67.0	60.9	57.5	57.7	65.6	57.9	56.0	59.1	54.9	61.7	52.8	55.5	58.9
Mean	61.4	57.2	58.2	58.8	61.5	57.5	58.1	60.3	57.1	57.7	60.2	60.2	59.0

## TEMPERATURE IN DEGREES C. H = 9.9 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$  local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-14.4	-12.2	-9.0	1.2	8.4	11.7	18.8	17.4	7.5	2.3	-3.0	-8.6	1.7
1932	-7.3	-13.8	-9.8	2.1	5.3	11.4	16.9	17.1	9.7	3.2	-2.8	-3.8	2.4
1933	-13.7	-12.8	-9.4	-0.3	4.1	13.2	18.8	11.6	7.9	3.1	-5.4	-14.1	0.2
1934	-5.3	-11.2	-7.3	-1.3	9.4	12.1	19.1	13.3	8.6	2.5	-1.0	-6.4	2.7
1935	-12.2	-6.6	-5.9	-0.1	3.5	12.1	14.8	13.2	7.7	2.3	-2.1	-4.5	1.8
1936	-11.6	-18.1	-6.6	1.6	7.0	17.8	18.3	15.8	8.1	1.1	0.2	-2.0	2.6
1937	-8.4	-9.0	-5.8	2.5	6.7	16.3	16.6	17.1	9.0	4.0	-1.8	-12.8	2.9
1938	-12.3	-8.3	-4.2	0.0	7.4	12.6	21.3	15.1	11.6	1.7	-0.7	-9.1	2.9
1939	-12.3	-9.6	-5.8	-2.3	3.8	12.9	15.2	14.4	5.6	0.6	-0.2	-8.9	1.1
1940	-21.8	-16.4	-11.6	-1.7	5.0	12.5	18.0	16.7	10.3	1.1	-3.2	-10.2	-0.1
Mean	-11.9	-11.8	-7.5	0.2	6.1	13.3	17.8	15.2	8.6	2.2	-2.0	-8.0	1.8

## TOTAL PRECIPITATION IN MILLIMETERS. H = 9.9 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	36	27	37	31	33	86	37	14	107	59	18	39	524
1932	29	17	21	39	57	67	29	105	51	69	38	58	580
1933	19	15	48	16	10	41	154	20	36	63	43	37	602
1934	25	37	25	31	40	50	37	63	44	45	41	19	457
1935	28	83	37	19	31	47	103	88	109	56	24	51	626
1936	45	18	21	7	48	34	64	48	47	26	34	42	434
1937	24	46	27	2	34	17	31	11	61	27	24	17	321
1938	12	32	41	27	22	129	37	56	37	29	81	21	524
1939	33	33	12	16	29	22	41	19	115	48	31	46	445
1940	12	19	23	20	10	26	142	31	73	63	64	30	513
Mean	26	28	29	21	31	52	68	46	68	49	40	36	493

\* See NOTES, p. 83.

ASTRACHAN, U. S. S. R.

Lat. 46°22' N. Long. 48°3' E. H<sub>b</sub> = -13.8 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	69.5	76.2	64.1	65.1	62.5	60.4	57.3	58.2	62.9	66.9	73.5	66.3	65.2
1932	70.1	64.7	68.3	60.5	62.5	60.6	56.1	63.0	64.4	67.5	71.3	73.6	65.2
1933	71.6	67.8	67.3	61.0	61.3	57.3	58.1	60.3	64.7	68.6	67.6	...	...
1934	75.5	65.0	68.4	67.1	64.3	59.3	58.5	60.1	66.1	69.7	72.6	70.6	66.4
1935	71.1	64.0	66.4	61.8	65.0	60.6	59.2	60.3	63.7	65.9	75.3	71.8	65.4
1936	69.1	66.8	70.9	64.1	63.9	57.5	59.3	61.7	63.8	66.1	69.4	70.1	65.2
1937	72.3	67.1	69.7	66.9	63.9	61.5	58.7	59.0	63.9	68.5	70.7	69.1	65.9
1938	66.8	66.3	64.1	61.8	64.1	61.1	60.6	61.5	65.0	67.0	68.9	74.4	65.1
1939	69.4	67.6	64.9	65.0	62.8	59.0	59.2	63.4	64.7	68.0	69.0	67.6	65.0
1940	68.8	69.3	64.8	65.6	64.1	60.7	58.8	62.0	64.1	66.9	68.6	65.7	65.0
Mean	70.4	67.5	66.9	63.9	63.4	59.8	58.6	61.0	64.3	67.5	70.7	69.9	†65.3

TEMPERATURE IN DEGREES C. H = -15.1 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$  local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$  local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	- 9.8	-12.4	1.6	8.9	18.3	23.2	28.3	23.2	18.6	10.9	-0.6	-5.3	8.7
1932	- 4.7	- 9.3	-2.4	10.6	17.9	23.5	23.3	23.5	18.3	10.9	0.5	-3.3	9.1
1933	- 9.3	- 8.8	-1.4	9.8	16.5	20.1	24.0	22.5	18.5	9.7	3.5	...	...
1934	- 9.8	- 2.2	1.0	8.6	18.7	21.1	24.7	23.8	15.9	9.6	3.5	-4.9	9.2
1935	- 9.4	- 2.8	-0.5	12.1	18.2	21.5	24.9	24.6	18.3	13.6	-1.8	-4.6	9.5
1936	- 5.3	- 7.3	-1.0	9.0	16.6	24.2	26.8	25.1	16.6	9.1	4.8	-1.2	9.8
1937	- 9.2	- 6.8	-0.4	8.8	16.9	20.4	27.2	25.4	22.0	11.4	4.4	0.2	10.0
1938	- 1.7	- 2.8	0.3	11.3	18.3	23.5	26.4	24.9	18.8	12.6	5.3	-3.1	10.7
1939	- 6.6	- 2.8	0.6	10.2	19.1	25.4	26.3	22.4	14.8	5.8	2.6	-0.5	9.8
1940	-11.0	- 9.2	-1.2	12.2	15.5	22.4	26.8	26.3	19.0	7.8	4.7	-2.0	9.3
Mean	- 7.7	- 6.4	-0.3	10.2	17.6	22.5	25.9	24.2	18.1	10.1	2.7	-3.0	†9.5

TOTAL PRECIPITATION IN MILLIMETERS. H = -15.1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8	0	16	1	11	6	19	14	13	18	4	30	140
1932	7	25	8	55	20	6	36	12	4	21	...	...	...
1933	8	7	10	34	71	126	85	9	16	2	...	...	...
1934	2	4	1	12	4	28	8	5	4	3	14	12	97
1935	2	23	8	14	12	22	16	21	11	1	0	8	138
1936	7	8	3	2	6	19	41	22	5	5	12	4	134
1937	15	19	5	16	8	16	21	68	7	11	3	11	200
1938	4	15	15	22	43	6	9	9	0	10	12	1	146
1939	6	14	11	8	33	16	7	1	5	48	25	16	190
1940	9	22	7	2	22	20	1	6	19	63	22	21	214
Mean	7	14	8	17	23	26	24	17	8	18	12	13	†187

\* See NOTES, p. 33.  
† Mean of 12 monthly means.  
‡ Sum of 12 monthly means.

## CHKALOV (ORENBURG), U. S. S. R.

Lat. 51°45' N. Long. 55°6' E. H = 108.9 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	62.9	72.4	51.6	57.5	52.5	48.9	48.2	44.3	51.7	54.8	61.7	53.0	55.2
1932	56.6	52.5	57.6	52.8	52.7	51.9	43.7	55.0	53.5	57.0	58.9	59.0	54.3
1933	63.1	62.7	55.6	51.2	51.0	47.0	46.5	46.7	56.8	61.3	54.5	52.1	54.0
1934	66.0	51.4	59.3	57.0	53.6	46.0	50.5	49.9	55.2	59.2	64.9	61.2	56.2
1935	60.0	53.9	55.1	52.8	54.6	48.6	47.2	49.3	52.9	55.6	67.2	67.2	55.4
1936	60.1	58.9	60.6	55.4	54.0	49.0	48.2	51.6	51.8	53.3	60.4	58.4	55.1
1937	64.3	59.7	59.6	56.9	49.9	48.9	46.5	51.4	54.0	58.6	63.9	61.0	56.2
1938	60.0	54.2	50.2	51.2	53.0	48.2	49.2	51.9	50.6	56.6	56.1	68.2	54.6
1939	59.8	54.0	56.5	54.2	53.1	48.6	47.6	52.8	51.7	57.4	60.0	57.2	54.4
1940	60.1	60.0	54.2	56.3	52.1	49.1	47.5	53.9	54.6	55.2	56.0	52.4	54.3
Mean	61.3	58.0	56.3	54.5	52.6	48.6	47.5	50.7	53.9	56.9	60.4	59.0	55.0

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-17.6	-21.5	-8.0	5.7	15.5	21.6	27.7	19.0	14.2	6.2	-4.0	-12.3	3.9
1932	-9.4	-17.6	-8.1	5.9	16.0	20.9	20.4	20.8	13.0	6.1	-5.6	-9.0	4.4
1933	-17.6	-19.0	-9.7	7.4	14.4	20.3	24.7	18.8	14.8	3.4	-3.6	-16.6	3.1
1934	-17.6	-10.4	-11.3	0.4	16.0	16.5	21.3	20.9	11.0	6.1	-4.3	-16.6	2.7
1935	-16.6	-8.5	-9.6	7.1	15.2	17.6	20.4	21.3	13.4	9.0	-6.8	-12.3	4.2
1936	-13.2	-14.9	-10.4	3.7	12.6	23.2	23.0	22.0	13.4	6.5	-1.2	-5.3	5.0
1937	-15.2	-16.0	-4.7	6.2	11.6	19.2	23.2	22.0	17.0	6.3	-3.7	-11.4	4.5
1938	-12.9	-12.2	-7.6	8.6	15.3	19.8	21.3	22.3	16.6	6.9	-2.1	-18.9	4.8
1939	-17.9	-10.9	-5.6	6.8	15.5	23.6	23.2	18.4	10.6	1.4	-2.7	-7.9	4.5
1940	-19.4	-16.9	-4.4	9.0	12.3	19.2	25.2	24.8	16.5	1.1	0.0	-9.4	4.8
Mean	-15.7	-14.8	-7.9	6.1	14.4	20.2	23.0	21.0	14.0	5.3	-3.4	-12.0	4.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4	1	20	13	41	41	16	32	49	74	8	22	321
1932	7	18	37	27	59	7	116	14	23	23	9	13	353
1933	5	11	5	28	34	7	34	53	3	29	30	14	253
1934	1	15	13	15	12	115	19	28	7	19	3	7	254
1935	7	16	13	4	39	168	51	34	17	58	2	0	409
1936	13	10	8	28	19	21	51	7	20	63	12	12	264
1937	9	7	6	7	77	50	38	69	0	41	6	30	340
1938	7	15	27	24	37	22	15	9	10	24	42	11	243
1939	6	12	22	4	8	21	27	12	30	17	3	23	185
1940	7	8	19	19	48	11	26	0	8	75	61	34	316
Mean	7	11	17	17	37	46	39	26	17	42	18	17	294

## KASAN, U. S. S. R.

Lat. 55°47' N. Long. 49°8' E. H<sub>b</sub> = 82.4 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	63.4	72.9	52.9	58.7	55.1	51.1	52.3	47.8	51.4	53.5	64.0	50.4	56.1
1932	54.4	52.0	57.8	55.8	54.3	53.5	48.1	57.0	54.1	56.0	58.9	58.1	55.0
1933	66.1	63.6	55.4	52.4	52.5	50.0	50.8	48.2	57.8	61.0	54.7	52.2	55.4
1934	64.4	47.3	58.8	56.8	55.7	47.8	53.9	51.8	57.9	57.1	62.7	62.1	56.4
1935	58.3	52.2	55.5	52.8	55.7	52.0	47.6	51.2	51.5	56.1	69.5	67.0	55.8
1936	57.4	59.3	61.1	56.7	57.4	52.8	52.5	55.6	51.4	53.4	60.3	58.1	56.3
1937	61.9	57.9	60.0	59.6	52.4	52.9	48.7	55.8	56.4	59.8	63.7	60.3	57.4
1938	59.5	53.7	47.5	50.7	54.4	49.4	54.9	55.9	59.0	56.0	55.9	71.7	55.7
1939	57.9	53.5	57.2	52.9	54.6	51.9	51.8	57.8	53.3	55.9	60.3	55.2	55.2
1940	61.8	59.5	53.8	56.0	55.6	50.4	50.7	56.0	54.0	59.0	54.4	51.7	55.2
Mean	60.5	57.2	56.0	55.2	54.8	51.2	51.1	53.7	54.7	56.8	60.4	58.7	55.8

## TEMPERATURE IN DEGREES C. H = 84.8 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-14.8	-15.8	-5.5	5.3	14.2	18.4	24.0	18.5	11.4	5.2	-4.5	-11.1	3.8
1932	-5.9	-17.4	-7.1	5.1	13.4	19.1	18.7	21.6	12.5	6.2	-3.8	-5.0	4.8
1933	-16.1	-16.2	-7.0	6.4	11.1	18.1	23.0	15.6	13.3	4.3	-4.7	-14.9	2.7
1934	-10.9	-7.8	-6.8	3.8	15.8	14.7	22.0	19.6	11.0	6.5	0.0	-12.6	4.6
1935	-12.2	-6.6	-4.6	6.1	12.0	18.0	18.0	18.8	13.0	8.7	-4.4	-10.7	4.7
1936	-9.0	-13.3	-6.1	4.4	11.7	20.6	22.4	19.6	11.4	2.5	-0.8	-4.7	4.9
1937	-13.3	-10.6	-1.9	7.3	9.3	18.2	20.9	18.6	14.3	6.2	-1.9	-11.7	4.6
1938	-11.0	-10.4	-3.4	5.9	14.0	17.2	22.8	21.3	16.4	5.9	-1.4	-15.5	5.2
1939	-13.7	-9.7	-4.4	3.4	12.1	19.8	20.9	17.3	8.3	2.1	-0.6	-8.7	3.9
1940	-13.0	-14.5	-5.9	4.3	10.5	17.5	21.9	21.7	15.2	0.8	-0.3	-9.3	4.1
Mean	-12.0	-12.2	-5.3	5.2	12.4	18.2	21.5	19.3	12.7	4.8	-2.2	-10.4	4.3

## TOTAL PRECIPITATION IN MILLIMETERS. H = 84.8 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	15	4	14	13	33	58	17	103	54	77	11	27	426
1932	24	20	33	15	50	17	32	6	28	33	23	23	504
1933	16	9	13	30	69	47	66	40	24	21	40	24	399
1934	16	27	7	19	29	80	16	63	46	45	24	9	381
1935	13	15	28	51	36	56	126	66	59	31	8	14	503
1936	22	12	10	14	31	7	74	23	53	63	63	14	386
1937	6	20	16	3	103	50	49	54	29	13	13	51	407
1938	24	17	21	31	23	61	5	22	5	81	38	11	339
1939	20	12	11	53	17	6	39	11	68	78	32	16	363
1940	16	42	19	42	23	38	20	21	49	4	44	31	349
Mean	17	18	17	27	41	42	44	41	42	45	30	22	386

\* See NOTES, p. 34.

## LENINGRAD, U. S. S. R.

Lat. 59°58' N. Long. 30°17' E. H<sub>b</sub> = 4.8 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.1	67.1	56.6	60.0	62.5	55.7	59.5	56.9	55.0	55.4	70.2	53.9	59.2
1932	58.7	60.8	61.2	57.2	59.6	58.6	58.5	60.6	54.9	55.2	62.9	63.2	59.3
1933	72.0	59.5	60.9	56.9	59.7	58.3	58.7	56.1	62.4	61.5	61.6	61.8	60.8
1934	63.4	53.7	60.2	61.6	59.8	58.3	56.2	59.7	64.9	56.2	59.7	67.4	60.1
1935	61.7	48.8	62.2	58.3	61.7	59.8	53.3	58.9	54.1	55.2	69.9	61.7	58.8
1936	55.6	60.4	63.3	58.5	65.1	60.2	58.3	60.9	59.1	55.6	62.2	58.6	59.8
1937	72.3	53.5	59.3	65.8	62.3	61.5	56.3	62.9	58.3	64.1	61.6	63.7	61.8
1938	55.9	58.8	50.5	54.4	58.9	54.3	60.9	60.4	63.0	58.2	56.9	72.5	58.7
1939	58.7	55.9	61.8	57.0	62.4	59.4	59.1	66.2	61.0	63.2	60.2	58.8	60.3
1940	66.5	62.9	57.0	61.6	65.3	59.1	56.9	58.8	55.2	65.2	54.2	59.3	60.2
Mean	62.3	58.1	59.3	59.1	61.7	58.5	57.8	60.1	58.8	59.0	61.9	62.1	59.9

## TEMPERATURE IN DEGREES C. H = 3.8 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-7.7	-10.3	-6.5	3.2	12.0	12.6	19.2	17.2	9.1	4.4	0.2	-5.5	4.0
1932	-2.3	-10.4	-6.5	3.6	10.9	14.3	20.2	15.7	12.3	5.1	0.1	1.1	5.6
1933	-8.8	-7.7	-3.0	3.5	8.1	15.8	18.8	14.6	11.0	5.0	-2.2	-7.1	4.0
1934	-3.0	-5.4	-2.0	4.2	12.7	14.0	20.0	17.2	14.6	7.7	3.0	-5.2	6.5
1935	-8.0	-4.2	-2.9	3.1	7.0	15.9	15.7	16.7	10.7	7.9	0.0	-1.9	5.0
1936	-4.3	-10.8	-0.5	4.3	11.5	19.2	20.6	16.7	10.6	2.5	2.0	0.0	6.0
1937	-7.5	-6.6	-1.6	6.6	11.8	18.2	18.2	19.0	13.1	6.4	2.0	-9.0	5.9
1938	-6.7	-3.6	0.5	3.0	9.7	14.4	21.6	19.4	14.8	6.5	3.4	-6.3	6.4
1939	-7.4	-1.7	-2.5	1.6	9.1	15.8	19.0	19.8	8.8	2.2	0.7	-6.0	5.0
1940	-14.6	-14.5	-8.4	1.7	11.6	14.7	19.2	16.4	11.2	4.7	1.1	-5.9	3.1
Mean	-7.0	-7.5	-3.3	3.5	10.4	15.5	19.2	17.6	11.6	5.2	1.0	-4.6	5.2

## TOTAL PRECIPITATION IN MILLIMETERS. H = 3.8 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	53	22	35	23	3	103	66	99	72	52	29	48	605
1932	29	21	28	14	63	69	24	50	72	70	20	39	499
1933	20	36	26	30	11	46	87	203	59	39	29	20	606
1934	21	19	21	26	93	51	82	41	20	85	86	10	555
1935	32	43	23	41	72	86	78	156	136	67	9	38	781
1936	44	46	9	83	47	12	102	41	36	69	24	34	497
1937	16	39	64	11	50	30	111	53	64	13	54	50	555
1938	31	10	27	40	44	107	39	40	35	81	30	45	529
1939	59	36	5	55	29	42	98	8	12	32	63	23	462
1940	20	25	23	15	36	29	79	88	102	35	80	20	552
Mean	32	30	26	29	45	58	77	78	61	54	42	33	564

\* See NOTES, p. 34.



MOLOTOV (PERM), U. S. S. R.

Lat. 57°59' N. Long. 56°15'E. H<sub>h</sub> = 159.3 m\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, 1931-1935, 1938 (April-December);  
 $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, 1936-March 1938, 1939-1940  
 700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.4	65.1	45.0	52.8	47.4	42.8	46.1	40.6	43.9	45.2	53.9	43.1	48.4
1932	45.0	44.7	49.4	49.3	45.6	45.8	40.3	50.0	45.8	46.9	49.2	48.3	46.7
1933	59.5	57.0	45.3	46.3	45.3	43.4	43.4	29.4	50.5	51.9	45.7	44.0	47.6
1934	54.4	40.2	52.3	48.5	47.7	41.3	46.9	45.7	48.9	50.0	55.0	51.6	48.5
1935	50.1	45.8	46.8	46.4	47.8	44.2	40.7	44.4	43.6	49.3	60.0	60.7	48.3
1936	51.0	52.2	51.1	50.0	48.8	46.0	44.5	48.7	43.6	45.0	51.1	49.0	48.4
1937	59.0	51.2	53.1	50.3	43.8	45.4	41.4	49.7	48.5	50.9	56.6	55.5	50.4
1938	54.5	45.3	40.3	...	46.0	41.1	46.2	47.5	50.9	47.7	47.2	64.0	...
1939	49.3	43.7	49.3	44.6	46.5	44.2	43.7	47.7	43.0	47.3	52.3	47.7	46.6
1940	55.1	51.4	47.5	47.6	46.5	42.2	43.8	49.7	47.8	48.9	45.3	43.5	47.4
Mean	53.3	49.7	48.0	48.4	46.5	43.6	43.7	46.3	46.6	48.3	51.6	50.7	†48.1

TEMPERATURE IN DEGREES C. H = 144.2 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours  
 1931-1935, 1938 (April-December);  
 $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time, 1936-March 1938, 1939-1940

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-14.0	-16.8	-6.4	3.3	12.0	17.9	20.6	16.4	10.6	3.5	-5.9	-12.5	2.4
1932	-9.3	-17.7	-7.7	4.5	10.8	16.4	17.3	19.0	10.4	4.6	-7.2	-12.1	2.4
1933	-16.7	-17.6	-10.3	4.5	8.6	16.8	21.5	13.9	9.9	2.8	-7.7	-19.1	0.6
1934	-11.0	-8.8	-7.6	1.0	13.1	14.4	18.8	18.3	7.3	4.3	-2.5	-13.0	2.9
1935	-13.7	-6.5	-6.0	4.6	8.9	16.5	16.7	17.2	9.8	3.6	-7.4	-12.6	2.6
1936	-11.8	-13.4	-8.2	3.5	8.8	19.3	21.0	17.2	9.0	2.0	-3.0	-6.3	3.2
1937	-13.4	-10.8	-6.4	3.6	8.1	17.1	19.0	15.7	10.9	3.6	-5.7	-17.1	2.0
1938	-12.6	-12.0	-6.2	...	11.4	15.5	...	17.7	13.3	1.3	-4.5	-18.8	...
1939	-16.4	-11.8	-5.6	1.0	8.7	17.4	18.9	13.0	5.9	0.1	-3.2	-10.7	1.4
1940	-23.9	-15.4	-7.2	3.2	5.8	15.6	20.2	18.7	12.8	-1.8	-4.0	-14.2	0.8
Mean	-14.3	-13.1	-7.2	3.2	9.6	16.7	19.3	16.7	10.0	2.4	-5.1	-13.6	†2.0

TOTAL PRECIPITATION IN MILLIMETERS. H = 144.2 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	24	8	19	15	28	31	63	107	39	71	37	51	493
1932	72	33	39	38	73	45	91	31	81	46	56	34	639
1933	14	17	44	21	51	15	48	59	18	37	52	40	416
1934	30	51	21	37	32	47	31	66	56	54	26	19	470
1935	24	32	19	50	82	41	124	69	106	53	16	9	625
1936	34	26	23	29	29	18	35	18	96	66	55	41	470
1937	15	13	26	41	73	71	69	81	32	41	34	30	526
1938	14	35	32	67	38	39	...	26	24	99	40	10	...
1939	28	10	25	43	48	42	28	33	86	57	16	17	433
1940	16	9	11	40	32	96	23	42	38	16	40	20	383
Mean	27	23	26	38	49	44	57	53	58	54	37	27	†493

\* See NORGE, p. 34.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## MOSKVA (MOSCOW), U. S. S. R.

Lat. 55°50' N. Long. 37°33' E. H = 167.1 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{3}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	49.4	58.5	41.5	47.1	48.0	44.0	45.5	43.3	42.4	45.0	56.9	41.4	46.9
1932	47.6	44.0	48.2	44.5	46.0	45.0	43.3	48.2	45.9	45.7	50.4	50.8	46.6
1933	58.0	48.1	48.2	42.2	44.0	41.7	45.2	41.7	47.5	50.4	47.6	46.7	46.8
1934	54.3	40.1	48.3	48.5	48.0	42.3	43.8	44.8	51.7	47.4	49.9	53.8	47.7
1935	48.6	38.8	48.3	44.2	46.9	46.2	39.6	44.4	43.4	45.4	59.3	51.7	46.4
1936	44.2	46.2	51.0	46.0	50.7	45.1	45.5	46.4	44.0	44.2	50.6	48.6	46.9
1937	57.8	42.4	48.2	51.4	47.5	47.3	40.8	47.3	47.7	51.1	50.9	47.8	48.4
1938	45.6	45.7	39.6	41.6	46.3	43.0	48.4	48.2	51.4	47.1	46.8	60.7	47.0
1939	47.2	44.6	46.4	43.9	46.5	45.0	45.1	51.7	47.0	48.2	50.2	44.7	46.7
1940	51.0	47.8	41.6	48.0	49.7	44.2	43.2	46.6	43.9	51.8	44.2	49.6	46.8
Mean	50.4	45.6	46.1	45.7	47.4	44.4	44.0	46.3	46.5	47.6	50.7	49.6	47.0

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{3}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-11.2	-15.1	-5.1	2.6	13.7	14.9	20.4	16.8	9.9	4.1	-3.2	7.4	3.4
1932	-4.0	-14.8	-7.5	4.2	14.0	16.9	19.3	19.2	12.2	6.2	-0.8	1.5	5.3
1933	-13.1	-10.5	-3.8	4.2	9.3	15.1	19.8	14.5	11.1	4.8	-4.2	-14.8	2.7
1934	-7.4	-7.7	-2.3	6.1	14.9	13.4	19.6	16.8	12.2	7.4	1.7	-10.0	5.4
1935	-11.1	-4.8	-2.9	4.7	9.8	17.2	15.2	16.4	11.5	8.6	-2.5	-5.7	4.7
1936	-4.9	-13.0	-2.0	4.2	12.7	19.2	22.9	17.7	10.0	2.2	0.1	-2.5	5.6
1937	-11.6	-7.1	-1.6	7.5	11.7	18.2	17.8	17.8	13.7	5.8	-0.1	-8.4	5.3
1938	-8.9	-6.1	-0.8	3.8	12.2	16.1	23.5	21.7	14.8	6.1	2.8	-10.5	6.2
1939	-8.6	-4.1	-3.4	3.2	10.7	17.8	20.4	19.6	8.4	1.8	-0.6	-7.4	4.8
1940	-19.4	-11.8	-5.2	2.9	13.0	15.7	19.2	18.4	13.0	2.8	1.5	-7.6	3.5
Mean	-10.0	-9.5	-3.5	4.3	12.2	16.4	19.8	17.9	11.7	5.0	-0.5	-7.6	4.7

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	29	8	55	32	31	48	121	39	73	39	26	52	553
1932	16	20	15	72	30	56	43	56	61	63	53	41	526
1933	7	32	6	64	82	83	71	138	131	35	38	9	696
1934	12	29	29	49	23	96	85	93	35	59	48	19	577
1935	13	25	11	54	35	71	159	110	105	90	19	68	760
1936	51	34	14	34	21	63	28	69	57	53	43	20	487
1937	9	29	84	16	51	34	115	48	38	46	50	58	578
1938	30	18	19	25	40	71	35	1	39	39	60	6	373
1939	41	32	23	56	76	38	36	16	29	56	32	46	481
1940	34	29	48	23	2	43	74	39	102	50	52	23	519
Mean	24	26	30	42	39	60	77	61	67	53	41	34	555

NOWOROSIJSK, U. S. S. R.

Lat. 44°44' N. Long. 37°49' E. H = 37.1 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.0	59.8	57.6	58.4	57.7	56.6	53.8	54.6	57.5	61.6	63.8	62.0	58.4
1932	65.7	58.3	60.4	56.6	58.1	56.4	54.2	57.5	59.3	59.7	63.6	68.0	59.8
1933	63.6	58.6	60.7	56.8	55.8	54.7	55.7	56.2	58.8	60.6	61.1	59.8	58.5
1934	64.7	60.4	59.5	59.7	57.8	56.6	54.0	55.3	58.9	61.2	63.0	61.6	59.4
1935	60.4	56.7	60.9	57.5	59.3	58.0	55.8	55.8	57.3	59.5	62.5	59.7	58.6
1936	60.2	55.3	61.0	56.5	55.4	55.0	53.7	55.9	58.9	58.9	61.0	63.1	57.9
1937	60.9	58.0	59.4	57.7	58.4	58.0	54.0	53.7	57.6	60.4	59.5	59.5	58.1
1938	58.2	60.8	60.0	56.9	57.9	57.9	54.0	54.1	57.2	60.7	62.8	59.8	58.4
1939	59.2	60.8	55.6	59.5	57.3	55.4	54.9	55.0	58.2	58.8	61.6	59.7	58.0
1940	59.0	59.4	58.6	58.9	57.4	54.9	54.7	55.7	59.0	60.1	60.3	58.3	58.0
Mean	61.0	58.8	59.4	57.8	57.5	56.4	54.5	55.4	58.3	60.2	61.9	61.2	58.5

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	5.6	5.4	6.0	8.9	16.1	21.6	24.5	23.7	19.4	13.9	5.4	1.1	12.6
1932	1.3	-1.9	4.5	9.5	14.7	20.6	22.2	23.9	20.4	16.8	8.0	4.1	12.0
1933	0.2	3.8	4.9	9.1	14.7	18.0	22.3	22.5	18.1	14.9	9.6	0.8	11.6
1934	3.2	2.9	7.9	12.2	18.1	20.5	24.0	23.1	19.7	15.9	10.5	3.6	13.5
1935	1.2	3.9	4.8	10.8	16.1	21.2	22.5	24.4	21.1	17.2	6.3	9.4	13.2
1936	7.0	3.8	7.6	11.1	16.2	20.4	26.8	25.0	17.6	13.4	10.2	4.8	13.7
1937	0.2	4.3	8.8	11.0	17.5	19.2	25.3	24.7	23.3	14.2	11.6	9.9	14.2
1938	4.6	2.3	4.9	9.7	16.1	20.6	27.1	26.8	20.9	16.1	9.8	5.8	13.7
1939	7.1	2.8	5.3	10.6	17.2	22.0	24.5	23.1	18.4	13.9	7.9	7.0	13.3
1940	-0.3	4.8	4.0	10.7	14.8	21.2	24.2	24.1	18.6	13.2	12.0	4.2	12.5
Mean	3.0	3.2	5.9	10.4	16.2	20.5	24.3	24.1	19.8	15.0	9.1	5.1	13.0

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	67	11	119	34	50	68	295	28	56	42	83	52	905
1932	41	113	19	137	107	34	75	21	21	34	63	16	681
1933	37	135	125	179	29	46	111	32	28	100	73	190	1085
1934	23	106	27	13	40	12	80	116	32	54	54	35	592
1935	47	61	18	47	24	8	31	14	58	37	52	30	427
1936	73	111	15	89	27	80	17	29	44	212	45	40	782
1937	149	67	42	15	18	142	24	67	58	158	161	72	973
1938	89	53	136	72	32	31	9	28	42	46	32	104	674
1939	67	70	77	53	16	46	143	194	46	72	139	209	1132
1940	24	49	127	23	41	34	90	37	118	54	42	169	808
Mean	62	78	70	66	38	50	88	57	50	81	74	92	806

## OKTJABRSKY GORODOK (NIKOLAEWSKOE), U. S. S. R.

Lat. 51°38' N. Long. 45°27' E. H<sub>b</sub> = 193 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	51.2	59.6	48.2	47.0	44.7	42.3	40.9	39.4	43.3	45.3	54.5	41.7	46.1
1932	47.0	42.2	48.0	43.3	44.2	43.0	38.1	46.1	45.7	47.7	50.8	51.5	45.6
1933	53.3	50.3	47.2	41.4	42.6	38.8	41.0	40.2	47.1	51.0	46.2	43.4	45.2
1934	55.9	40.6	48.5	47.8	46.5	39.1	42.1	42.2	48.5	49.0	52.7	51.6	47.0
1935	49.3	42.3	46.4	42.4	45.8	42.6	39.8	42.2	44.0	46.6	58.4	53.9	46.1
1936	47.3	47.3	51.5	45.8	46.8	41.1	42.0	43.9	42.7	44.4	50.4	49.0	46.0
1937	54.6	45.8	49.0	48.6	43.9	42.6	39.8	42.6	45.8	49.9	52.0	48.2	46.9
1938	46.3	44.3	40.1	40.5	45.1	41.5	44.1	44.9	48.1	46.5	46.9	57.7	45.5
1939	47.9	45.0	46.0	43.9	41.1	41.3	41.4	46.7	45.1	47.3	50.1	44.9	45.3
1940	49.1	48.9	43.1	46.5	45.5	42.3	40.7	44.8	44.5	48.7	46.7	43.5	45.4
Mean	50.2	46.6	46.3	44.7	44.9	41.5	41.0	43.3	45.5	47.6	50.9	48.5	45.9

## TEMPERATURE IN DEGREES C. H = 189.9 m.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-16.2	-20.0	-6.3	3.1	15.0	19.2	26.6	19.1	12.3	5.8	-4.5	-9.2	3.7
1932	-5.5	-17.6	-8.0	4.8	16.1	20.6	21.2	22.5	13.9	6.9	-2.9	-5.5	5.5
1933	-16.3	-17.1	-7.7	6.1	13.6	18.0	22.6	17.9	14.0	4.2	-1.9	-16.3	3.1
1934	-15.8	-9.2	-8.1	3.5	16.3	15.3	21.1	19.4	11.8	7.0	-1.3	-13.9	3.8
1935	-14.9	-6.7	-5.8	7.8	13.3	17.3	18.0	18.6	13.2	8.6	-6.2	-12.1	4.3
1936	-9.2	-17.1	-9.1	3.0	12.8	21.8	23.4	21.3	11.6	3.8	-0.1	-5.4	4.7
1937	-13.9	-11.5	-3.0	6.8	11.6	16.2	20.7	19.9	17.0	6.3	-2.1	-6.4	5.1
1938	-10.0	-8.5	-4.4	7.7	14.6	19.2	24.4	22.0	16.9	7.8	0.8	-15.8	6.2
1939	-13.6	-10.0	-7.4	5.2	14.9	20.4	22.6	19.4	9.7	1.5	-1.0	-8.1	4.5
1940	-21.4	-15.4	-6.3	5.5	11.7	16.8	21.8	22.6	14.2	1.3	0.6	-8.5	3.6
Mean	-13.7	-13.3	-6.6	5.4	14.0	18.5	22.2	20.3	13.5	5.3	-1.9	-10.1	4.4

## TOTAL PRECIPITATION IN MILLIMETERS. H = 189.9 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9	10	61	17	52	37	38	39	37	69	2	35	409
1932	37	39	30	32	36	85	26	8	32	35	3	12	375
1933	21	22	14	79	15	69	46	52	52	36	40	27	473
1934	5	16	21	10	41	87	53	24	18	22	26	11	334
1935	14	17	7	9	27	54	49	38	52	17	10	24	313
1936	34	6	9	21	12	24	36	33	67	105	35	8	390
1937	12	77	19	17	42	76	39	27	15	13	14	30	381
1938	25	25	9	12	18	7	6	5	0	21	26	5	159
1939	28	17	31	31	26	13	11	3	58	30	12	31	291
1940	15	11	17	27	18	66	30	2	81	47	27	15	356
Mean	20	24	22	26	29	52	33	23	41	40	20	20	349

\* See NOTES, p. 34.

## SWERDLOWSK (EKATERINBURG), U. S. S. R.

Lat. 56°50' N. Long. 60°38' E. H<sub>b</sub> = 281 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	43.8	53.4	34.5	42.5	36.7	32.4	35.3	29.3	34.4	35.2	41.6	32.8	37.6
1932	34.5	34.0	38.7	38.8	34.2	35.1	28.6	39.6	35.5	36.2	37.7	36.3	35.8
1933	48.1	45.7	33.8	36.4	35.1	33.1	32.3	28.8	39.9	41.4	34.6	33.2	36.9
1934	42.1	30.2	41.6	36.9	36.2	30.5	35.5	35.5	36.3	39.7	44.0	38.8	37.3
1935	38.5	35.8	36.6	36.8	36.7	33.2	30.6	33.2	33.0	38.7	47.1	40.7	37.4
1936	40.6	40.9	38.9	39.3	37.1	35.1	33.7	37.6	33.2	34.8	39.6	37.8	37.4
1937	46.8	40.5	42.2	38.2	32.6	33.9	30.6	38.6	37.5	39.6	45.0	43.9	39.1
1938	45.1	34.5	30.5	34.4	35.0	31.2	34.2	36.8	40.2	36.7	36.6	51.2	37.2
1939	38.8	33.1	39.0	35.2	36.1	33.6	32.4	35.0	31.8	36.2	40.6	36.8	35.7
1940	43.3	39.2	36.6	37.8	34.9	31.8	33.6	39.9	39.2	36.9	35.0	32.6	36.3
Mean	42.2	38.7	37.2	37.5	35.5	33.0	32.7	35.4	36.1	37.5	40.2	39.3	37.1

## TEMPERATURE IN DEGREES C. H = 280.8 m.

Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-14.2	-16.0	-6.3	3.1	11.4	18.5	20.9	15.4	10.2	3.5	-7.0	-13.5	2.2
1932	-10.6	-15.8	-7.6	5.0	9.8	16.2	17.2	17.5	9.8	4.5	-6.6	-12.8	2.2
1933	-18.6	-18.1	-9.3	3.3	8.7	14.7	20.0	14.1	8.9	2.6	-7.6	-18.2	0.0
1934	-11.1	-9.4	-9.1	0.8	12.5	13.5	16.7	17.6	6.7	4.1	-3.4	-13.2	2.1
1935	-13.7	-7.7	-5.9	5.2	10.0	16.5	16.2	16.4	9.8	2.9	-8.7	-13.0	2.3
1936	-13.5	-11.2	-8.1	2.1	8.0	17.7	19.1	16.6	9.9	3.0	-3.4	-7.6	2.7
1937	-13.8	-11.2	-8.6	2.5	7.6	16.4	18.0	14.9	10.5	3.7	-6.0	-17.3	1.4
1938	-18.7	-14.2	-9.3	4.6	11.8	14.4	16.1	16.2	10.8	1.3	-4.8	-19.8	0.7
1939	-15.0	-10.6	-5.4	3.4	9.4	18.1	19.1	13.0	6.5	0.2	-4.6	-9.6	2.0
1940	-22.5	-14.5	-6.8	4.7	5.6	15.7	19.1	17.7	12.2	-2.2	-4.1	-14.7	0.9
Mean	-15.2	-12.9	-7.6	3.5	9.5	16.2	18.2	15.9	9.5	2.4	-5.6	-14.0	1.6

## TOTAL PRECIPITATION IN MILLIMETERS. H = 280.8 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4	2	4	2	11	52	52	169	30	18	26	19	339
1932	24	21	26	8	76	27	118	31	50	43	11	29	464
1933	13	13	7	42	43	85	69	74	26	12	26	28	438
1934	8	33	18	7	27	79	57	18	108	16	4	13	388
1935	5	13	6	52	46	34	86	134	46	34	10	5	471
1936	13	20	26	20	28	65	43	10	42	35	27	24	353
1937	13	2	27	27	43	160	131	212	10	21	23	52	721
1938*	8	8	23	10	30	75	116	16	21	56	48	7	418
1939	11	12	22	25	37	32	37	80	52	22	11	13	354
1940	13	12	29	28	38	58	53	42	18	24	23	35	373
Mean	11	14	19	22	38	67	76	79	40	28	21	22	437

\* See NOTES, p. 35.

## TBILISI (TIFLIS), U. S. S. R.

Lat. 41°43' N. Long. 44°48' E. H = 403.8 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ ; from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	28.2	31.8	26.4	26.7	25.9	25.0	22.2	23.1	26.3	30.7	31.7	29.5	<b>27.3</b>
1932	32.3	26.6	28.7	24.3	26.2	24.4	22.1	23.6	27.7	29.2	32.1	35.2	<b>27.9</b>
1933	31.3	27.0	28.0	24.7	24.1	22.4	23.3	23.9	26.4	29.7	29.5	27.6	<b>26.5</b>
1934	34.0	27.6	29.2	27.6	26.7	24.6	22.2	24.0	27.9	30.9	32.6	30.0	<b>28.1</b>
1935	30.5	25.5	28.2	25.1	28.8	25.6	23.3	23.6	25.8	28.7	32.1	30.8	<b>27.3</b>
1936	30.6	26.0	30.3	25.3	24.2	22.8	23.0	25.2	26.6	28.5	30.4	30.6	<b>27.0</b>
1937	29.1	27.1	29.8	27.2	26.4	25.3	22.2	21.9	27.0	29.5	30.6	30.2	<b>27.2</b>
1938	27.1	27.0	27.3	25.1	25.8	25.5	23.3	23.8	26.4	29.6	31.2	30.1	<b>26.8</b>
1939	28.9	28.0	25.4	27.0	25.8	23.3	23.0	24.2	26.8	28.8	29.5	29.6	<b>26.7</b>
1940	27.8	28.2	27.1	27.7	26.3	23.8	23.4	24.6	27.4	28.8	30.3	27.7	<b>26.9</b>
Mean	<b>30.0</b>	<b>27.5</b>	<b>28.0</b>	<b>26.1</b>	<b>26.0</b>	<b>24.3</b>	<b>22.8</b>	<b>24.0</b>	<b>26.8</b>	<b>29.4</b>	<b>31.0</b>	<b>30.1</b>	<b>27.2</b>

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h+7^h+13^h+19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-1.5	0.8	8.3	10.3	16.0	21.4	24.7	23.7	21.3	13.8	6.3	0.5	<b>12.1</b>
1932	0.4	0.7	6.5	13.3	16.9	22.7	22.4	24.4	18.9	16.3	6.7	1.5	<b>12.6</b>
1933	-1.2	3.3	5.5	10.5	18.0	19.9	24.0	25.1	20.5	14.4	9.1	1.9	<b>12.6</b>
1934	-1.5	3.3	7.7	10.7	17.4	21.0	24.3	23.4	19.0	14.7	8.8	1.9	<b>12.6</b>
1935	-2.9	4.0	5.1	13.8	17.3	20.5	24.4	25.8	22.5	16.2	6.3	4.7	<b>13.1</b>
1936	1.5	3.0	6.1	12.7	15.5	20.7	24.4	24.3	17.7	13.3	9.4	3.1	<b>12.6</b>
1937	-1.0	3.4	7.2	11.6	16.3	18.8	25.8	25.3	22.8	15.6	9.2	4.9	<b>13.3</b>
1938	3.1	2.9	4.5	12.5	17.8	20.9	26.0	25.0	20.8	14.7	8.4	4.5	<b>13.4</b>
1939	2.6	3.9	5.0	11.0	19.0	22.4	24.4	23.2	19.1	13.6	7.8	4.0	<b>13.1</b>
1940	-0.1	4.1	5.0	14.4	15.4	21.5	24.8	27.0	20.4	13.6	9.7	5.8	<b>13.5</b>
Mean	<b>-0.1</b>	<b>2.9</b>	<b>6.1</b>	<b>12.2</b>	<b>17.0</b>	<b>21.0</b>	<b>24.5</b>	<b>24.7</b>	<b>20.3</b>	<b>14.6</b>	<b>8.2</b>	<b>3.3</b>	<b>12.9</b>

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	20	18	17	99	94	76	175	44	13	4	126	28	<b>714</b>
1932	16	26	41	60	128	30	62	14	71	16	40	8	<b>512</b>
1933	41	12	24	29	41	49	66	10	42	28	55	26	<b>423</b>
1934	24	1	25	35	78	46	116	48	27	9	19	2	<b>430</b>
1935	35	31	41	19	86	108	30	7	21	17	79	16	<b>435</b>
1936	0	18	18	74	189	97	106	8	105	69	63	6	<b>753</b>
1937	25	4	14	74	121	93	7	76	1	38	21	23	<b>497</b>
1938	14	74	8	56	149	20	56	30	33	8	15	33	<b>496</b>
1939	21	30	45	17	113	87	100	62	10	59	32	5	<b>531</b>
1940	68	26	8	38	174	53	51	1	53	86	23	18	<b>599</b>
Mean	<b>26</b>	<b>24</b>	<b>24</b>	<b>50</b>	<b>112</b>	<b>65</b>	<b>77</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>47</b>	<b>16</b>	<b>538</b>

## UST-ZYLMA, U. S. S. R.

Lat. 65°25'N. Long. 52°18' E.  $H_h = 74.6$  m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ ; from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.5	64.3	48.4	58.7	54.1	47.5	53.7	52.1	46.5	45.6	60.4	46.5	52.9
1932	44.1	48.9	53.0	53.4	53.2	52.2	51.5	54.3	47.8	49.0	50.7	50.7	50.7
1933	67.7	60.5	50.6	52.9	55.1	52.9	51.1	48.1	56.7	52.4	48.7	50.9	54.0
1934	50.9	43.4	57.4	51.1	51.9	50.7	55.7	53.5	58.4	52.3	54.2	54.2	52.3
1935	50.1	46.7	50.7	55.5	53.0	51.6	48.7	53.5	47.4	55.3	62.4	60.8	53.0
1936	55.7	57.5	54.4	56.7	56.9	54.8	52.8	56.3	47.4	48.9	52.5	48.9	53.6
1937	63.5	50.3	59.4	59.6	54.4	54.0	52.0	59.6	52.2	54.3	58.7	62.9	56.7
1938	58.8	50.5	42.9	46.4	52.9	49.0	55.2	53.3	55.3	54.3	50.5	70.5	53.3
1939	51.0	46.3	57.0	48.3	54.1	51.0	52.7	55.7	48.5	52.2	54.1	49.8	51.7
1940	63.3	53.1	53.3	51.3	57.7	52.2	51.3	55.3	52.4	54.0	46.8	50.3	53.4
Mean	56.2	52.2	52.7	53.4	54.3	51.6	52.5	54.2	51.3	51.8	53.9	54.6	53.2

TEMPERATURE IN DEGREES C.  $H = 73.8$  m.Means of  $\frac{1}{3}(7^h + 13^h + 21^h)$ , local time, corrected to means of 24 hours;  
from 1936  $\frac{1}{4}(1^h + 7^h + 13^h + 19^h)$ , local time

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-15.3	-13.2	-12.9	-1.8	5.3	12.3	16.2	15.2	6.4	0.7	-6.8	-13.7	-0.6
1932	-11.3	-22.0	-12.3	0.2	2.5	9.6	14.0	15.6	7.9	0.2	-8.0	-14.4	-1.5
1933	-17.7	-17.6	-16.8	-1.4	1.9	9.1	17.7	8.9	4.7	1.4	-9.5	-22.4	-3.4
1934	- 8.4	-12.0	- 9.5	-4.2	6.0	10.1	14.4	11.8	3.8	0.5	-2.7	-10.2	0.0
1935	-13.0	- 7.9	- 8.5	-4.0	0.8	9.8	14.5	11.1	6.1	-2.5	-5.6	- 9.6	-0.7
1936	-17.2	-19.6	-10.4	-0.2	2.7	13.9	16.4	13.6	6.0	-0.6	-2.7	- 6.0	-0.3
1937	-11.6	- 8.4	-10.7	-1.6	3.3	12.9	14.1	13.0	6.4	1.4	-5.6	-15.5	-0.2
1938	-15.8	-15.8	- 6.0	0.1	5.5	12.1	17.2	12.3	8.7	-1.8	-6.7	-17.4	-0.6
1939	-16.5	-14.8	- 9.8	-3.6	0.9	10.5	14.0	9.6	2.7	-1.6	-2.4	-12.4	-2.0
1940	-25.8	-16.1	-12.4	-2.8	0.7	10.5	16.0	15.9	9.2	-3.7	-6.5	-20.3	-2.9
Mean	-15.3	-14.7	-10.9	-1.9	3.0	11.1	15.4	12.7	6.2	-0.6	-5.6	-14.2	-1.2

TOTAL PRECIPITATION IN MILLIMETERS.  $H = 73.8$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	26	9	22	13	35	60	34	41	81	42	26	22	411
1932	24	21	9	33	26	46	52	25	66	74	29	32	437
1933	7	5	20	9	25	66	51	60	46	72	29	18	408
1934	15	14	17	71	59	80	35	39	44	61	38	22	495
1935	22	26	42	9	46	76	68	64	70	61	27	34	545
1936	25	23	23	15	48	34	60	23	68	28	29	36	412
1937	20	21	24	17	26	63	43	16	36	29	25	10	330
1938	10	15	21	24	35	33	50	70	64	25	64	19	430
1939	15	29	11	28	31	45	52	26	84	36	29	33	419
1940	13	25	33	23	18	42	73	48	107	27	47	22	473
Mean	13	19	22	24	35	54	52	41	67	45	34	25	436

\* See NOTES, p. 35.





# INDIAN OCEAN

## PORT MORESBY, BRITISH NEW GUINEA

Lat. 9°29' S. Long. 147°9' E. H<sub>b</sub> = 126 ft.

PRESSURE AT SEA LEVEL: COR. to 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 9<sup>h</sup>, local mean time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	.815	.833	.630	.804	.861	.860	.859	.851	.869	.803	.767	...
1932	.767	.787	.817	.834	.820	.869	.867	.881	.870	.845	.811	.766	.828
1933	.778	.765	.770	.800	.805	.850	.850	.869	.863	.806	.776	.755	.807
1934	.744	.786	.774	.789	.827	.824	.845	.866	.868	.858	.799	...	...
1935	.760	.794	.793	.774	.848	.840	.846	.891	.843	.822	.795	.791	.816
1936	.744	.792	.791	.785	.794	.836	.837	.871	.849	.843	.820	.777	.807
1937	.750	.798	.763	.787	.860	.843	.827	.847	.872	.853	.794	.762	.813
1938	.753	.761	.759	.701	.731	.756	.757	.763	.731	.778	.718	.679	.745
1939	.698	.718	.705	.718	.756	.770	.816	.788	.831	.818	.742	.763	.760
1940	...	...	...	.783	.770	.801	.888	.841	.883	.896	.767	.783	...
Mean	.749	.779	.778	.760	.801	.825	.839	.848	.851	.839	.782	.760	*.801

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$  (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	83.4	81.0	80.0	77.7	79.0	76.0	75.0	74.3	76.3	76.5	80.1	85.4	78.7
1932	82.9	82.8	82.8	83.3	81.6	78.9	76.8	77.2	78.7	80.3	81.9	82.9	80.3
1933	83.5	82.5	82.5	81.5	80.3	79.1	78.9	78.9	79.7	81.5	82.2	82.5	81.1
1934	82.6	83.5	81.6	82.3	81.4	80.6	79.1	78.9	77.6	80.3	84.3	...	...
1935	83.5	83.1	81.8	81.2	79.9	79.3	79.8	77.1	79.0	81.1	81.2	82.6	80.8
1936	83.5	81.8	82.4	81.6	79.8	79.9	78.7	76.7	78.9	80.0	82.1	83.4	80.7
1937	82.5	82.3	82.4	81.8	81.7	80.5	79.7	78.5	79.4	81.1	82.9	83.7	81.4
1938	82.4	81.1	81.3	82.1	79.6	79.4	78.8	79.0	78.0	79.7	82.3	82.0	80.5
1939	82.2	81.4	80.7	81.4	79.6	79.1	79.0	78.4	79.3	80.5	82.4	83.8	80.6
1940	...	...	...	81.3	81.5	80.1	78.6	78.4	78.6	78.8	82.5	83.4	...
Mean	83.1	82.1	81.7	82.7	80.4	79.3	78.4	77.7	78.5	80.0	82.2	82.5	*78.9

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.13	1.92	3.36	5.44	0.23	0.30	0.17	0.26	0.03	2.08	1.58	10.65	30.15
1932	4.79	1.16	5.61	0.51	0.16	0.87	0.88	0.73	3.02	0.05	1.36	9.16	28.30
1933	3.24	9.41	7.68	4.59	6.70	2.47	2.02	9.50	0.13	4.17	3.38	8.00	61.29
1934	10.64	9.28	7.25	3.30	3.21	1.28	0.17	0.07	0.75	0.12	1.33	...	...
1935	2.35	6.39	7.48	1.94	1.00	0.04	3.86	...	0.51	0.19	3.25	1.44	...
1936	10.28	6.56	5.39	8.61	2.65	1.13	2.03	0.25	3.36	0.76	5.88	3.50	50.40
1937	6.11	3.32	3.88	2.38	0.18	0.85	0.06	0.24	0.37	0.08	0.23	5.52	25.22
1938	7.33	8.54	4.94	1.03	5.56	0.63	0.84	0.83	0.17	3.25	1.39	3.89	38.40
1939	4.82	6.67	6.81	2.17	3.20	2.38	1.40	0.54	1.60	0.97	3.74	0.91	35.21
1940	...	...	...	4.71	3.81	0.43	0.56	0.12	0.45	...	0.78	0.11	...
Mean	5.96	6.14	5.82	3.47	2.67	1.34	1.20	1.39	1.04	1.30	2.29	4.80	†37.42

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## SANDAKAN, BRITISH NORTH BORNEO

Lat. 3°50' N. Long. 118°7' E. H = 182 ft.

## PRESSURE AT SEA LEVEL

Means of day

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	10.1	9.5	9.8	10.0	9.2	9.1	8.9	9.7	9.5	8.7	8.5	8.2	9.3
1934	8.4	10.3	9.6	9.5	10.1	9.8	9.1	9.8	9.1	9.5	9.6	9.5	9.5
1935	11.3	10.3	9.7	8.6	8.8	9.0	8.2	9.6	8.7	8.8	9.8	10.0	9.4
1936	9.9	11.2	10.3	8.9	7.9	9.1	8.6	8.6	8.6	9.2	9.6	8.4	9.2
1937	8.9	11.1	8.8	8.5	9.4	8.7	8.1	8.3	9.8	9.3	8.4	8.6	9.0
1938	9.9	10.4	9.0	8.1	8.0	8.8	8.6	8.6	8.3	9.0	8.3	7.6	9.4
1939	9.4	10.1	9.5	9.1	8.4	9.2	8.4	6.8	9.7	9.3	8.5	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	9.7	10.4	9.5	8.9	8.8	9.1	8.5	8.8	9.1	9.1	8.9	8.7	*9.1

## TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$  (Max. + Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	80.5	81.1	81.5	82.9	82.7	81.9	81.5	82.7	81.4	81.9	80.7	81.0	81.7
1932	79.7	79.9	80.3	81.1	81.7	81.7	80.9	81.1	...	82.0	81.1	79.3	†80.9
1933	80.3	74.7	80.5	81.7	82.7	82.2	81.6	82.4	81.5	81.2	81.5	81.5	81.4
1934	79.5	78.5	80.3	81.5	82.6	81.5	81.7	82.1	82.3	82.3	79.9	80.5	81.2
1935	80.1	81.3	81.5	82.1	82.7	81.9	81.9	82.1	82.1	81.8	80.7	80.7	81.6
1936	79.6	81.7	81.0	82.9	82.9	81.8	81.7	80.9	81.9	81.1	80.5	80.9	81.4
1937	80.3	81.1	82.3	82.5	82.7	82.8	82.0	82.3	82.0	81.7	81.3	80.1	81.8
1938	79.7	79.3	80.7	81.7	81.4	80.7	80.9	82.0	81.7	81.1	80.1	79.7	80.8
1939	79.5	78.7	80.3	82.2	82.7	82.3	81.9	83.1	81.9	81.0	80.8	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	80.0	79.6	80.9	82.1	81.3	81.9	81.6	82.1	81.8	81.6	80.7	80.5	*81.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	10.14	4.19	4.39	1.90	5.08	8.25	5.01	13.29	4.28	9.13	11.38	15.01	92.05
1932	11.22	15.75	18.66	12.10	4.55	6.88	9.68	6.11	6.86	7.12	10.36	30.28	139.57
1933	17.64	16.21	13.82	4.35	0.67	3.95	7.74	3.92	10.81	14.96	11.37	9.25	114.69
1934	33.96	25.56	12.20	10.20	4.00	8.60	14.01	6.91	8.84	8.42	17.44	16.02	166.12
1935	15.24	5.78	3.97	7.31	8.48	12.64	8.12	10.18	12.69	12.58	9.57	9.70	116.26
1936	15.37	1.62	23.86	4.76	9.92	8.10	10.41	9.59	16.73	9.29	19.53	19.03	148.21
1937	19.58	4.58	0.65	4.01	10.90	7.17	10.84	6.13	7.60	11.55	16.23	22.90	122.14
1938	22.07	24.02	9.24	9.26	9.46	11.05	10.63	5.73	17.71	11.41	22.78	19.96	173.32
1939	23.35	25.53	13.21	6.43	3.65	5.32	10.84	1.51	10.20	9.86	9.37	...	†137.04
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	18.73	13.69	11.11	6.70	6.30	7.99	9.70	7.04	10.63	10.48	14.22	17.77	134.37

\* Mean of 12 monthly means.

† Normal value used for missing month.

CHRISTMAS ISLAND  
 Lat. 10°25' S. Long. 105°43' E.  
 PRESSURE AT SEA LEVEL  
 Means of (hours not given)  
 1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.8	11.1	10.8	10.9	11.3	11.7	12.5	12.3	12.8	13.0	11.0	10.1	11.5
1932	10.6	10.4	10.1	10.9	10.6	10.7	11.6	12.6	13.3	12.4	11.8	10.3	11.3
1933	8.0	6.7	6.2	8.8	8.2	9.3	9.8	10.4	10.1	9.8	7.7	7.0	8.5
1934	6.2	6.5	5.7	7.8	8.9	9.1	9.9	11.5	11.0	10.4	8.5	8.6	8.7
1935	8.0	7.7	7.2	7.0	9.1	9.8	10.6	11.6	11.5	10.0	10.3	9.3	9.3
1936	7.5	8.7	8.3	7.2	7.9	9.6	10.0	10.7	10.2	10.3	9.6	7.4	8.9
1937	6.6	8.2	6.4	7.5	8.7	8.5	10.1	12.6	13.7	13.1	10.7	9.2	9.6
1938	9.6	9.4	9.7	10.0	9.1	10.8	11.1	11.7	12.7	12.7	10.7	9.1	11.5
1939	9.0	9.3	9.5	9.3	10.6	11.1	11.7	11.8	13.4	12.3	10.9	12.1	9.9
1940	9.1	11.1	10.4	10.7	10.6	12.1	13.5	13.9	13.9	14.4	11.5	11.9	11.9
Mean	8.5	8.9	8.4	9.0	9.5	10.3	11.1	11.9	12.3	11.8	10.3	9.5	10.1

TEMPERATURE IN DEGREES F.  
 Means of  $\frac{1}{2}$  (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	82.4	82.4	82.0	83.0	81.8	80.9	80.2	79.6	80.0	80.5	80.2	82.4	81.3
1932	81.0	81.6	82.2	81.6	81.6	80.2	80.0	79.4	78.8	80.2	80.1	79.2	80.5
1933	82.4	81.9	80.8	82.2	81.3	79.9	79.2	79.6	79.0	79.5	79.7	80.6	80.5
1934	80.4	79.9	79.9	81.0	81.2	80.1	78.2	78.8	79.5	79.9	79.4	80.6	79.9
1935	79.9	81.2	80.8	80.2	80.8	79.2	77.4	78.9	77.9	79.6	80.6	81.8	79.9
1936	81.7	82.2	82.0	81.7	82.0	80.7	79.8	80.0	80.2	80.5	80.6	80.8	81.0
1937	81.7	82.4	81.6	80.6	80.6	80.4	79.4	78.5	79.4	80.6	82.8	81.0	80.8
1938	81.8	81.9	81.8	81.8	81.4	80.1	78.7	78.7	79.3	81.2	81.5	81.4	80.8
1939	80.0	81.2	81.2	81.4	80.7	78.9	77.5	77.5	78.1	79.4	81.2	82.6	80.0
1940	81.2	81.6	82.3	81.7	80.9	80.1	78.3	77.9	78.9	80.8	81.6	82.6	80.7
Mean	81.2	81.6	81.5	81.5	81.2	80.0	78.9	78.9	79.1	80.2	80.8	81.3	80.5

TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6.13	16.02	9.28	2.61	17.86	10.70	1.90	4.16	1.16	2.84	12.66	5.49	90.81
1932	4.75	5.25	9.86	10.74	11.00	12.26	1.21	1.87	2.88	1.05	11.93	1.24	74.04
1933	4.09	10.52	14.88	4.17	11.00	6.43	1.33	1.80	8.02	1.11	10.19	3.24	76.28
1934	14.53	24.03	21.41	19.60	3.81	5.03	1.50	0.94	1.31	0.40	18.42	12.58	123.56
1935	20.54	16.30	9.40	40.54	5.59	4.61	0.94	0.74	0.94	1.49	1.46	2.42	104.97
1936	4.64	10.63	12.89	11.18	4.79	1.84	1.73	1.27	0.81	2.03	11.46	5.04	68.31
1937	1.05	0.99	7.71	11.79	18.45	9.00	1.70	0.25	0.70	0.48	0.51	8.88	61.51
1938	7.35	5.12	7.14	8.05	11.56	9.15	15.08	6.04	0.14	0.22	0.29	10.79	80.93
1939	11.51	9.35	7.24	18.23	6.79	9.91	8.63	6.74	1.77	1.58	2.03	1.26	85.04
1940	8.19	1.29	7.20	11.91	6.42	0.93	2.12	1.33	0.15	0.24	0.35	4.68	44.81
Mean	8.23	9.95	10.65	13.88	9.73	6.99	3.61	2.51	1.79	1.14	6.93	5.56	810.24

## AMINI DIVI, LACCADIVE ISLANDS

Lat. 11°7' N. Long. 72°44' E. H<sub>b</sub> = 13 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 39<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.897	.906	.911	.887	.807	.761	.781	.773	.827	.855	.857	.859	.839
1932	.957	.915	.891	.858	.762	.790	.745	.775	.820	.808	.845	.909	.840
1933	.901	.890	.865	.843	.778	.769	.790	.810	.827	.805	.861	.869	.834
1934	.867	.893	.856	.829	.826	.755	.777	.828	.844	.833	.893	.910	.843
1935	.931	.898	.870	.838	.804	.759	.774	.822	.835	.811	.886	.900	.844
1936	.923	.903	.873	.849	.753	.793	.793	.816	.805	.865	.870	.874	.843
1937	.889	.899	.844	.807	.807	.754	.759	.807	.851	.861	.827	.890	.833
1938	.912	.895	.820	.815	.759	.760	.780	.779	.821	.862	.884	.872	.830
1939	.920	.919	.862	.815	.803	.784	.800	.808	.867	.833	.843	.955	.851
1940	.931	.938	.887	.863	.783	.765	.797	.823	.869	.869	.812	.927	.855
Mean	.913	.906	.868	.835	.788	.769	.780	.804	.837	.840	.858	.897	.841

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	82.5	84.1	84.5	86.5	86.1	82.7	81.8	81.0	81.7	81.9	81.9	82.1	83.1
1932	78.9	82.2	83.7	85.3	84.9	82.3	80.7	81.1	80.9	81.3	82.1	81.4	82.4
1933	81.1	83.7	85.1	86.4	84.3	82.4	81.3	80.3	80.0	80.5	82.2	81.7	82.1
1934	82.0	81.7	83.7	85.6	86.5	83.1	82.3	82.5	81.7	81.7	81.5	80.9	82.8
1935	81.7	83.9	84.1	86.0	86.4	82.2	81.1	80.5	80.1	81.6	82.1	81.8	82.6
1936	82.5	81.7	84.0	85.4	84.9	80.4	81.7	81.1	81.7	81.9	81.0	82.2	82.4
1937	81.9	84.7	84.8	85.7	86.3	82.1	79.5	82.1	82.3	81.7	82.7	81.3	82.9
1938	81.8	82.9	84.1	85.9	85.5	82.3	80.7	80.9	81.3	81.5	80.7	81.3	82.4
1939	81.5	82.7	83.6	85.1	85.8	82.3	80.9	80.9	82.3	82.2	82.4	81.1	82.6
1940	79.3	82.9	82.9	85.5	86.7	82.7	80.9	81.0	83.5	82.3	81.7	81.8	82.6
Mean	81.3	83.1	84.1	85.7	85.7	82.3	81.1	81.1	81.6	81.7	81.8	81.6	82.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.02	0.00	0.00	0.20	7.82	10.90	11.43	13.06	3.63	5.74	4.36	3.36	60.52
1932	0.00	0.00	0.00	0.00	13.62	12.81	4.63	12.72	3.31	13.15	4.76	0.11	65.11
1933	0.00	0.00	0.00	1.36	27.40	7.28	18.03	14.35	22.33	7.54	2.01	0.11	100.41
1934	3.82	0.00	0.00	0.02	0.45	11.56	7.62	3.03	3.05	5.04	1.21	0.02	35.82
1935	0.32	0.04	0.00	0.12	0.37	11.65	15.53	11.59	6.28	3.79	5.13	2.75	57.57
1936	0.00	0.02	0.62	1.43	11.30	23.88	6.06	6.30	7.76	4.72	9.86	0.46	72.41
1937	0.02	0.00	0.00	0.51	1.37	15.25	19.77	3.72	3.98	5.32	5.11	0.34	55.39
1938	0.02	0.00	0.00	0.70	6.24	5.71	7.33	13.58	5.10	3.55	7.38	3.67	53.23
1939	0.20	0.04	0.00	0.10	0.56	16.20	13.20	12.50	1.33	3.37	6.18	0.00	53.68
1940	0.00	0.00	0.00	0.35	1.14	10.27	16.57	9.98	1.38	7.19	7.64	0.75	55.27
Mean	0.44	0.01	0.06	0.48	70.3	12.55	12.02	10.08	5.82	5.94	5.36	1.16	60.95

PRESSURE AT SEA LEVEL

• 1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.9	13.2	13.3	10.8	9.8	8.3	8.9	8.7	10.5	11.4	11.5	11.6	10.9
1932	14.9	13.5	12.7	11.6	8.3	9.2	7.7	8.4	10.3	9.9	11.1	13.3	10.9
1933	13.0	12.6	11.8	11.0	8.8	8.5	9.2	9.9	10.5	9.8	11.7	11.9	10.7
1934	11.9	12.7	11.5	10.6	10.5	8.1	8.8	10.5	11.1	10.7	12.7	13.3	11.0
1935	14.0	12.9	12.0	10.9	9.8	8.2	8.7	10.3	10.8	10.0	12.5	13.0	11.1
1936	13.8	13.1	12.1	11.2	8.0	9.4	9.4	10.1	9.8	11.8	12.0	12.1	11.0
1937	12.6	12.9	11.1	9.8	9.8	8.0	8.2	9.8	11.3	11.7	10.5	12.6	10.7
1938	13.4	12.3	10.3	10.1	8.2	8.2	8.9	8.9	10.3	11.7	12.4	12.0	10.6
1939	13.7	13.6	11.7	10.1	9.7	9.0	9.6	9.9	11.9	10.7	11.0	14.8	11.3
1940	14.0	14.3	12.5	11.7	9.0	8.4	9.5	10.4	11.9	11.9	10.0	13.9	11.4
Mean	13.4	13.2	11.9	10.8	9.2	8.5	8.9	9.7	10.8	10.9	11.6	12.9	11.0

## MINICOY, LACCADIVE ISLANDS

Lat. 8°18' N. Long. 73°0' E. H<sub>b</sub> = 9 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup> 38<sup>m</sup>, Indian standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.894	.902	.912	.850	.813	.804	.825	.821	.849	.875	.864	.865	.856
1932	.955	.924	.896	.870	.807	.837	.800	.817	.856	.843	.864	.869	.861
1933	.886	.886	.871	.857	.796	.831	.841	.845	.861	.844	.871	.874	.855
1934	.861	.901	.864	.843	.847	.806	.820	.865	.844	.858	.905	.915	.861
1935	.927	.899	.870	.839	.821	.795	.819	.847	.868	.840	.892	.896	.859
1936	.915	.901	.877	.851	.785	.831	.836	.854	.833	.885	.878	.873	.860
1937	.885	.899	.846	.818	.832	.804	.804	.838	.874	.882	.822	.891	.850
1938	.910	.893	.825	.824	.789	.805	.811	.809	.841	.879	.879	.864	.844
1939	.911	.904	.859	.822	.812	.822	.836	.846	.885	.850	.851	.945	.862
1940	.921	.930	.888	.869	.803	.810	.842	.858	.883	.884	.826	.920	.869
Mean	.909	.904	.871	.844	.811	.815	.823	.840	.859	.864	.865	.891	.858

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	81.1	82.8	83.5	85.3	86.1	83.1	81.7	80.3	81.1	82.5	81.3	81.7	82.5
1932	79.8	81.2	82.5	85.0	83.3	82.9	81.4	80.9	82.3	80.9	80.6	80.1	81.7
1933	81.1	81.7	82.3	83.9	82.1	81.7	81.1	79.7	80.2	80.3	80.7	80.9	81.3
1934	80.5	79.7	82.3	84.3	84.1	81.9	81.3	82.3	81.7	81.3	80.5	79.0	81.7
1935	80.7	81.5	82.7	84.3	86.5	82.1	81.3	80.5	80.5	81.3	81.0	80.7	81.9
1936	80.7	81.5	83.0	85.3	83.5	81.3	81.5	81.5	81.3	81.5	81.5	81.3	82.0
1937	81.5	82.7	83.9	86.1	84.8	81.7	80.7	82.3	82.9	81.4	81.3	79.7	82.4
1938	80.9	81.9	83.4	84.2	85.1	82.5	81.0	80.6	81.5	80.3	80.2	80.9	81.9
1939	79.9	81.1	82.5	84.9	85.9	81.9	81.7	81.5	82.7	81.9	81.9	81.1	82.3
1940	78.9	80.9	82.1	83.9	85.7	82.2	82.7	81.0	83.1	82.3	81.2	81.2	82.1
Mean	80.5	81.5	82.8	84.7	84.7	82.1	81.4	81.1	81.7	81.4	81.0	80.8	82.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.89	0.00	0.00	2.05	7.50	9.73	5.26	14.33	9.53	2.32	4.96	4.20	62.77
1932	0.00	0.02	0.38	0.25	15.72	6.05	9.63	9.75	1.64	7.92	9.26	4.35	64.97
1933	0.48	2.71	1.30	2.14	24.63	8.48	10.79	11.99	8.39	4.89	4.69	1.28	81.77
1934	5.81	0.45	0.40	2.41	2.49	12.47	7.88	2.59	3.05	7.67	4.69	0.00	49.91
1935	0.45	0.56	0.00	3.11	0.87	16.24	8.80	11.06	4.47	6.49	6.32	4.53	62.90
1936	0.04	0.06	2.61	0.05	16.63	12.66	7.90	6.88	9.51	0.79	4.08	4.20	64.91
1937	0.63	0.20	0.12	0.73	4.90	14.03	11.02	2.58	2.36	7.90	9.91	2.23	56.61
1938	0.52	0.50	0.63	5.12	2.72	5.72	10.80	16.79	5.35	5.37	9.22	5.71	63.45
1939	0.51	0.00	0.00	0.10	1.03	16.29	4.12	7.02	2.37	5.65	3.79	0.46	41.34
1940	1.16	0.03	0.00	1.16	3.60	12.76	4.47	9.10	1.47	11.52	7.66	2.47	55.40
Mean	1.25	0.45	0.54	1.71	8.01	11.44	8.07	9.16	4.81	6.05	6.46	2.94	60.90

## ANTANANARIVO, MADAGASCAR

Lat. 18°55' S. Long. 47°32' E. H<sub>0</sub> = 1,375 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{5}(7^h + 9^h + 13^h + 16^h + 18^h)$ , 45th meridian E.

600 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	47.0	46.0	47.2	48.9	50.4	50.9	50.5	50.9	50.9	49.9	49.0	49.1	49.1
1933	46.7	45.6	47.5	48.1	49.9	51.0	52.2	51.4	51.5	50.0	49.3	47.9	49.3
1934	46.7	46.6	47.8	49.3	50.5	51.5	51.4	52.4	51.1	50.2	48.2	47.3	49.4
1935	46.9	46.2	47.8	48.3	49.8	50.4	52.2	50.5	50.6	50.1	49.2	47.6	49.1
1936	46.4	47.8	47.5	49.6	49.5	51.9	52.3	51.4	50.8	49.5	49.0	47.1	49.4
1937	46.0	46.7	45.6	48.4	50.4	50.5	50.9	51.6	50.8	50.1	48.3	47.8	48.9
1938	47.6	45.7	46.3	48.7	49.3	51.6	51.2	50.4	51.1	50.5	49.2	47.8	49.1
1939	47.1	47.3	45.8	48.9	50.5	51.0	50.7	51.7	50.8	49.7	48.3	...	†49.1
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	46.8	46.5	46.9	48.8	50.0	51.1	51.4	51.3	50.9	50.0	48.8	47.8	49.2

## TEMPERATURE IN DEGREES C.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	21.6	20.9	21.2	19.0	16.4	15.3	14.8	15.5	16.8	19.4	21.9	21.1	18.7
1933	21.4	20.6	20.3	19.6	17.4	15.1	14.7	15.4	16.2	20.1	22.0	21.2	18.7
1934	21.0	21.0	21.3	19.8	17.7	14.0	14.6	14.1	16.5	19.5	21.1	20.5	18.4
1935	21.2	20.9	21.4	19.3	18.2	15.6	13.3	15.8	18.3	20.4	20.7	21.0	18.9
1936	21.1	22.2	21.5	19.9	18.0	15.0	14.5	14.9	17.4	21.1	21.6	21.0	19.0
1937	21.0	21.4	20.6	19.8	17.2	16.2	14.6	15.2	18.7	19.7	22.8	21.6	19.1
1938	21.7	21.4	21.5	20.3	18.2	15.0	15.4	16.0	17.6	19.9	20.3	21.9	19.1
1939	21.7	21.7	21.0	19.9	18.1	15.9	15.2	15.0	18.0	20.3	21.6	...	†19.2
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	21.3	21.3	21.1	19.7	17.6	15.3	14.6	15.2	17.4	20.0	21.5	21.2	18.9

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	515.8	301.7	284.4	62.3	49.2	16.2	3.0	4.2	4.4	6.6	53.8	203.5	1505.3
1933	308.5	181.2	22.9	61.5	18.9	10.2	3.7	2.4	120.3	89.5	32.9	277.2	1129.4
1934	167.5	213.2	63.3	26.5	37.8	5.6	1.4	6.3	3.4	29.7	190.4	401.0	1146.1
1935	407.3	141.8	180.8	149.1	20.2	11.9	7.6	16.0	4.5	27.4	300.0	414.0	1680.8
1936	265.0	103.6	188.7	9.2	18.5	16.1	19.7	6.4	2.0	23.0	252.5	281.4	1186.2
1937	318.3	420.0	231.7	113.9	25.4	3.2	7.0	20.1	6.3	51.9	81.2	315.7	1595.0
1938	252.4	433.3	51.3	91.6	3.3	6.7	7.3	1.9	2.8	6.5	135.3	134.6	1127.3
1939	368.3	342.3	403.5	6.9	9.4	16.8	10.5	4.9	20.9	11.0	190.9	...	†1675.0
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	325.4	267.1	178.3	65.1	22.8	10.8	7.6	7.8	20.6	30.7	154.6	289.6	1380.4

\* See NOTES, p. 36.

† Normal value used for missing month.

## MAURITIUS (ROYAL ALFRED OBSERVATORY)

Lat. 20°5' S. Long. 57°32' E. H = 55.2 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	5.9	5.6	3.6	9.2	11.2	12.5	12.5	14.4	12.4	12.8	8.3	7.7	9.7
1932	5.7	2.9	4.6	6.7	10.9	12.6	12.8	13.8	14.4	12.0	10.3	8.9	9.6
1933	6.0	3.5	5.5	6.7	8.9	12.3	15.0	13.7	14.5	11.8	10.6	7.1	9.6
1934	4.1	5.1	6.2	9.1	11.1	12.9	13.8	16.0	14.4	12.4	8.9	6.8	10.1
1935	5.0	3.1	5.8	6.6	10.1	11.8	13.7	12.4	13.2	11.5	9.7	7.2	9.2
1936	4.9	4.8	5.3	7.8	9.7	14.2	15.3	13.8	13.1	11.2	9.4	6.3	9.6
1937	3.4	3.4	4.3	6.5	10.6	11.9	11.9	14.6	13.6	11.7	8.8	7.3	9.0
1938	5.7	3.0	3.2	7.7	9.2	13.1	13.7	12.7	14.0	13.4	11.3	7.9	9.6
1939	6.0	6.0	3.6	7.7	10.9	12.6	12.7	14.6	13.8	12.1	9.4	7.6	9.8
1940	5.1	6.7	6.5	10.0	9.2	12.2	14.7	15.0	14.2	12.2	9.3	7.4	10.2
Mean	5.2	4.4	4.9	7.8	10.2	12.6	13.6	14.1	13.8	12.1	9.6	7.4	9.6

TEMPERATURE IN DEGREES C.  $h_t = 6$  ft.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.0	25.5	25.5	24.5	22.5	22.1	20.5	20.3	21.1	22.2	23.8	25.2	23.3
1932	26.0	25.7	25.7	24.1	21.6	20.3	20.0	20.4	20.7	21.7	23.5	24.4	22.8
1933	26.3	25.8	25.4	24.5	24.0	22.3	19.1	19.4	19.9	21.8	23.3	24.9	23.1
1934	25.6	25.4	25.2	24.3	22.5	20.2	19.8	19.4	20.1	21.1	23.4	25.6	22.7
1935	26.1	26.0	25.3	24.4	22.2	21.2	19.5	20.1	20.9	22.2	23.8	25.6	23.1
1936	26.1	26.2	25.8	24.5	22.2	20.7	19.8	19.3	20.6	22.6	24.4	25.0	23.1
1937	25.4	26.5	25.6	24.3	22.8	20.3	20.1	19.8	21.2	22.1	24.0	25.3	23.1
1938	25.8	26.2	25.8	23.9	22.7	20.5	20.3	19.7	20.6	22.2	23.2	24.6	23.0
1939	26.0	26.6	25.8	24.6	22.6	20.4	20.4	19.7	21.3	21.8	23.6	25.6	23.2
1940	25.9	25.7	24.8	24.2	23.2	21.1	20.3	20.7	21.3	22.4	24.1	25.9	23.3
Mean	25.9	26.0	25.5	24.3	22.6	20.9	20.0	19.9	20.3	22.0	23.7	25.2	23.1

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 21$  in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	299.6	544.9	638.1	181.6	126.9	52.7	47.2	30.6	58.0	14.7	97.1	37.1	2128.5
1932	193.8	113.2	277.3	351.2	147.4	189.2	23.0	26.9	58.8	35.7	34.6	39.7	1495.8
1933	132.5	162.8	189.9	66.0	29.6	74.3	57.0	34.4	55.4	18.5	11.7	50.9	883.0
1934	176.7	30.5	47.6	264.3	196.1	76.8	31.8	70.9	85.5	28.8	169.9	27.3	1206.2
1935	286.5	324.9	92.0	408.9	35.9	121.8	57.7	55.8	36.5	32.0	146.5	97.1	1695.6
1936	249.3	175.8	131.6	26.3	53.3	43.4	32.9	14.2	27.6	85.0	46.9	351.5	1237.8
1937	257.1	129.3	232.2	66.7	296.6	27.0	74.8	75.3	46.4	54.3	91.9	40.6	1392.2
1938	133.3	223.3	161.7	117.9	79.3	21.7	45.4	30.7	27.4	21.0	19.6	44.3	925.6
1939	39.7	125.6	386.7	109.8	43.9	91.2	96.7	28.8	47.9	27.6	28.3	230.8	1257.0
1940	54.3	160.9	174.6	38.2	414.2	110.1	121.5	89.6	35.3	30.2	28.9	97.1	1354.9
Mean	182.3	199.1	233.2	163.1	142.3	80.8	59.3	45.7	47.9	34.8	67.5	101.6	1357.6

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.2	11.0	9.9	15.5	17.6	18.9	18.9	20.8	18.8	19.2	14.7	14.0	16.0
1932	12.0	9.2	10.9	13.0	17.3	19.0	19.2	20.2	20.8	18.4	16.7	15.2	16.0
1933	12.3	9.8	11.8	13.0	15.2	18.7	21.4	20.1	20.9	18.2	17.0	13.4	16.0
1934	10.4	11.4	12.5	15.4	17.5	19.3	20.2	22.4	20.8	18.8	15.3	13.1	16.4
1935	11.3	9.4	12.1	12.9	16.5	18.2	20.1	18.8	19.6	17.9	16.1	13.5	15.5
1936	11.2	11.1	11.6	14.1	16.1	20.6	21.7	20.2	19.5	17.6	15.7	12.6	16.0
1937	9.7	9.7	10.6	12.8	17.0	18.3	18.3	21.0	20.0	18.1	15.1	13.6	15.4
1938	12.0	9.3	9.5	14.0	15.6	19.5	20.1	19.1	20.4	19.8	17.7	14.2	15.9
1939	12.3	12.3	9.9	14.0	17.3	19.0	19.1	21.0	20.2	18.5	15.8	13.9	16.1
1940	11.4	13.0	12.8	16.3	15.6	18.6	21.1	21.4	20.6	18.6	15.6	13.7	16.6
Mean	11.5	10.7	11.2	14.1	15.6	19.0	20.0	20.5	20.2	18.5	16.0	13.7	16.0

## AMBOINA, NETHERLANDS EAST INDIES

Lat. 3°42' S. Long. 128°10' E. H = 4 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	15	142	111	348	458	555	1153	448	292	219	104	49	3894
1932	98	196	134	216	318	329	235	268	48	332	68	111	2343
1933	127	85	53	113	572	449	516	1840	253	183	93	137	4421
1934	176	167	211	292	160	575	1406	860	308	384	193	120	4852
1935	188	100	150	769	543	1193	573	318	120	225	185	54	4418
1936	256	49	114	422	901	881	627	512	432	181	37	132	4544
1937	115	68	230	271	614	935	922	261	318	89	54	214	4091
1938	146	73	51	206	562	481	839	767	594	178	124	205	4226
1939	71	162	102	163	515	653	479	372	237	39	86	276	3155
1940	140	91	168	172	1068	404	125	152	47	72	11	30	2480
Mean	133	113	132	297	571	646	688	580	265	190	95	133	3842



## BATAVIA, NETHERLANDS EAST INDIES

Lat. 6°11' S. Long. 106°50' E. H = 8 m.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours  
750 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	6.74	7.17	7.12	6.61	6.71	7.03	7.23	6.70	6.93	7.25	6.74	6.30	6.88
1932	7.52	7.12	6.69	6.79	6.34	6.57	6.53	6.89	7.12	6.65	6.65	6.28	6.76
1933	6.43	6.27	5.98	6.76	6.44	6.75	7.02	7.21	7.21	6.73	6.00	5.89	6.56
1934	5.86	6.46	5.78	6.21	6.87	6.69	6.67	7.73	7.48	7.09	6.57	6.90	6.69
1935	7.09	6.40	6.18	5.79	6.41	6.83	7.04	7.59	7.23	6.44	6.97	6.60	6.72
1936	6.32	7.17	6.80	5.99	5.68	7.04	7.20	7.34	6.96	7.22	7.01	5.89	6.72
1937	5.92	7.00	5.68	5.82	6.84	6.60	6.84	6.93	7.57	7.54	6.07	5.94	6.56
1938	6.75	6.70	6.03	6.05	5.68	6.71	6.59	6.63	6.85	7.11	6.35	5.80	6.44
1939	6.25	6.77	6.23	6.06	6.23	6.69	6.87	6.37	7.66	7.24	6.44	7.90	6.73
1940	6.74	7.69	6.81	7.02	6.44	7.11	7.92	7.73	8.06	8.25	6.38	7.60	7.31
Mean	6.56	6.88	6.33	6.31	6.36	6.80	6.99	7.11	7.31	7.15	6.52	6.51	6.74

TEMPERATURE IN DEGREES C.  $h_t = 1.70$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.0	26.9	26.7	27.3	27.1	27.0	26.7	27.1	27.5	27.1	26.7	26.3	27.0
1932	25.9	25.8	26.2	26.8	27.4	26.5	26.8	27.3	27.3	27.3	26.8	26.2	26.7
1933	26.6	25.8	26.3	26.7	27.0	26.6	26.8	26.8	26.6	26.9	26.5	26.2	26.6
1934	26.0	25.7	25.9	26.7	27.1	26.8	26.6	26.8	26.8	27.3	26.5	26.2	26.5
1935	25.9	26.6	26.6	26.7	27.1	26.6	26.3	26.8	27.2	27.1	27.0	26.8	26.7
1936	26.0	26.5	26.8	26.6	27.5	26.6	26.7	26.9	27.4	27.1	26.6	26.7	26.8
1937	26.0	26.6	27.1	26.8	26.7	26.8	26.8	27.4	27.3	27.1	27.2	26.3	26.8
1938	26.1	26.3	26.9	27.2	26.7	26.6	26.5	26.6	27.4	27.4	26.9	26.4	26.7
1939	26.2	25.7	26.6	27.0	27.1	26.6	26.5	26.9	27.2	27.0	27.1	26.6	26.7
1940	25.5	26.0	26.9	27.4	27.3	27.2	27.0	27.0	27.6	28.1	27.5	26.9	27.0
Mean	26.1	26.2	26.6	26.9	27.1	26.7	26.7	27.0	27.2	27.2	26.9	26.5	26.8

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	122	116	155	68	181	167	32	160	61	82	143	447	1734
1932	515	241	209	101	87	67	19	6	54	82	189	102	1672
1933	83	222	414	181	179	129	41	50	172	99	88	91	1749
1934	330	308	297	82	38	78	63	9	69	39	161	431	1905
1935	264	114	226	333	14	145	0	5	26	64	149	184	1524
1936	160	136	123	291	114	49	48	27	42	63	238	215	1506
1937	290	243	165	209	305	139	25	5	104	95	171	265	2016
1938	306	299	282	148	104	207	158	106	28	69	100	192	1999
1939	250	173	83	203	96	216	126	123	46	145	77	414	1952
1940	713	269	186	135	170	53	19	12	6	3	43	186	1795
Mean	303	212	214	175	129	125	53	50	61	74	136	253	1785

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.74	10.32	10.25	9.57	9.70	10.13	10.40	9.69	10.00	10.43	9.74	9.16	9.93
1932	10.78	10.25	9.68	9.81	9.21	9.52	9.46	9.95	10.25	9.63	9.63	9.13	9.77
1933	9.33	9.12	8.73	9.77	9.34	9.76	10.12	10.37	10.37	9.73	8.76	8.62	9.50
1934	8.57	9.37	8.46	9.04	9.92	9.68	9.65	11.06	10.72	10.21	9.52	9.96	9.68
1935	10.21	9.29	9.00	8.48	9.30	9.86	10.14	10.88	10.40	9.34	10.05	9.56	9.72
1936	9.19	10.32	9.82	8.74	8.33	10.14	10.36	10.54	10.04	10.38	10.11	8.62	9.72
1937	8.65	10.09	8.33	8.52	9.87	9.55	9.87	9.99	10.86	10.81	8.85	8.68	9.51
1938	9.76	9.69	8.79	8.82	8.35	9.72	9.50	9.62	9.90	10.25	9.24	8.51	9.35
1939	9.11	9.80	9.08	8.85	9.08	9.69	9.94	9.26	10.99	10.43	9.37	11.30	9.75
1940	9.77	11.03	9.85	10.13	9.36	10.26	11.33	11.08	11.51	11.78	9.28	10.90	10.52
Mean	9.51	9.93	9.20	9.17	9.25	9.83	10.08	10.24	10.50	10.30	9.46	9.44	9.75

## KAJUMAAS (KAJOEMAAS), NETHERLANDS EAST INDIES

Lat. 7°56' S. Long. 114°9' E. H = 930 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	255	574	613	348	103	27	0	3	11	11	146	352	2443
1932	543	368	822	251	164	187	0	0	0	12	85	497	2929
1933	262	431	420	445	156	164	1	17	69	13	487	455	2920
1934	654	307	445	540	126	28	82	36	0	13	578	320	3129
1935	358	319	532	204	34	91	0	0	12	26	167	209	1952
1936	551	276	484	493	84	25	1	0	0	9	338	340	2601
1937	566	237	299	311	122	282	0	0	0	10	35	742	2604
1938	423	321	76	75	148	131	86	2	0	0	364	402	2033
1939	371	262	419	334	41	236	124	26	29	0	128	235	2205
1940	492	467	682	248	126	4	0	0	0	0	152	321	2492
Mean	448	356	479	325	110	118	29	8	12	9	248	387	2531

## KUPANG (KOEPAANG), NETHERLANDS EAST INDIES

Lat. 10°10' S. Long. 123°34' E.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	439	7	146	58	6	2	0	0	1	2	55	143	859
1932	636	390	237	41	13	92	0	0	0	0	59	288	1756
1933	138	331	430	143	13	2	0	3	0	5	37	384	1486
1934	216	318	386	36	0	1	11	0	5	6	48	75	1102
1935	346	183	502	21	1	0	0	0	0	1	111	63	1228
1936	207	176	219	22	1	1	1	1	1	3	59	75	766
1937	264	200	292	52	0	9	0	0	0	34	25	136	1012
1938	524	354	86	42	19	5	13	0	0	3	149	72	1267
1939	675	466	272	22	394	15	52	0	0	43	24	119	2082
1940	395	259	272	50	0	0	1	0	0	0	12	210	1199
Mean	384	268	284	49	45	13	8	...	1	10	53	157	1276

## KUTA RAJA (KOETA RADJA), NETHERLANDS EAST INDIES

Lat. 5°32' N. Long. 95°20' E. H = 7 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	180	168	186	132	154	285	69	218	241	196	139	195	2163
1932	137	208	46	159	187	89	82	132	105	203	198	69	1615
1933	163	79	97	276	55	148	127	47	54	155	622	147	1970
1934	214	46	71	180	120	76	159	114	256	205	139	70	1650
1935	235	60	121	133	95	31	55	98	6	422	110	257	1623
1936	303	308	74	76	145	120	76	102	62	138	187	108	1699
1937	49	113	143	159	167	22	65	85	101	64	117	180	1265
1938	115	115	235	124	95	203	79	206	179	88	562	48	2049
1939	67	44	47	135	168	48	24	162	250	117	54	313	1429
1940	300	85	76	79	80	72	12	72	172	121	109	282	1460
Mean	176	123	110	145	127	109	75	124	143	171	224	167	1692

## MANADO (MENADO), NETHERLANDS EAST INDIES

Lat. 1°30' N. Long. 124°51' E. H = 4 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	237	152	108	360	187	325	146	114	129	97	219	364	2438
1932	723	360	492	97	207	154	165	140	169	298	423	562	3790
1933	566	454	397	229	275	59	169	140	46	234	348	431	3348
1934	473	768	302	246	184	196	194	175	61	161	215	504	3479
1935	452	235	583	237	47	153	74	71	95	186	398	255	2786
1936	898	77	591	316	109	157	107	108	151	181	251	351	3297
1937	477	252	205	349	133	98	179	120	63	258	207	401	2742
1938	899	251	297	165	120	134	270	90	67	53	169	317	2882
1939	379	535	136	286	190	267	109	289	49	55	185	264	2744
1940	433	426	243	104	228	60	25	97	0	10	90	267	1983
Mean	554	351	335	239	168	165	144	134	83	153	251	371	2949

## MANOKWARI, NETHERLANDS EAST INDIES

Lat. 1°10' S. Long. 134°20' E. H = 20 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	200	259	117	207	185	176	125	85	260	176	107	252	2149
1932	320	293	114	492	204	97	159	192	98	198	137	157	2461
1933	328	163	373	277	237	105	78	174	127	147	116	146	2271
1934	270	74	239	405	234	173	139	264	147	168	433	438	2984
1935	237	169	221	318	283	100	131	151	133	241	200	165	2349
1936	346	180	292	427	65	275	243	87	100	71	121	151	2358
1937	567	189	103	198	45	111	180	299	175	66	258	129	2320
1938	348	281	141	195	129	127	137	81	79	69	204	427	2218
1939	483	165	1640	265	243	385	72	42	315	145	117	257	4129
1940	222	225	125	348	237	184	95	117	28	231	45	207	2064
Mean	332	200	337	313	186	173	136	149	146	151	174	233	2530

## MEDAN, NETHERLANDS EAST INDIES

Lat. 3°35' N. Long. 98°41' E. H = 25 m.\*

## PRESSURE AT SEA LEVEL

Means reduced to 24 hours

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.7	10.6	10.9	9.7	9.1	9.2	9.6	8.2	9.1	10.0	10.1	9.9	9.8
1932	11.8	10.9	10.0	9.6	8.7	8.8	8.2	9.1	9.3	9.5	10.1	10.6	9.7
1933	10.1	10.0	9.3	9.6	9.0	9.0	8.8	9.2	9.2	9.3	9.0	9.5	9.7
1934	9.3	9.7	9.0	8.8	9.2	8.7	8.0	9.6	9.5	9.7	9.9	10.6	9.3
1935	11.0	9.7	9.2	8.4	8.2	8.9	8.2	9.5	9.3	9.0	10.4	10.3	9.3
1936	10.4	10.6	9.8	8.5	7.8	9.2	8.5	9.1	9.2	10.0	10.3	9.3	9.4
1937	9.9	10.3	8.5	8.2	9.0	8.2	8.1	8.3	9.7	10.5	8.9	9.7	9.1
1938	10.9	10.1	8.5	8.4	7.4	7.7	8.0	8.4	8.8	9.5	9.5	9.1	8.9
1939	10.7	10.8	9.3	9.0	8.8	9.1	9.0	8.5	10.5	10.4	9.6	12.1	9.8
1940	11.1	11.8	10.4	10.6	9.0	9.2	9.8	10.0	11.0	11.6	10.0	11.8	10.5
Mean	10.6	11.4	9.5	9.1	8.6	8.8	8.6	9.0	9.6	9.9	9.8	10.3	9.6

## TEMPERATURE IN DEGREES C.

Means of (see NOTES)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.7	27.0	27.1	26.7	27.1	26.6	25.8	26.8	25.8	25.8	25.6	25.1	26.3
1932	24.9	25.7	26.0	26.3	26.8	26.2	26.3	25.8	26.0	25.9	25.1	25.2	25.9
1933*	25.2	25.7	25.9	25.9	26.6	26.4	25.8	26.1	25.8	25.3	25.1	21.9	25.7
1934	25.0	25.4	25.7	26.0	26.3	26.1	26.2	26.0	26.0	25.8	25.4	24.2	25.7
1935	25.3	26.1	26.5	26.2	26.8	26.3	27.0	25.8	26.0	25.6	25.4	25.3	26.0
1936	25.3	26.0	26.0	26.9	26.6	26.4	26.6	26.1	25.9	25.7	25.2	25.4	26.0
1937	25.2	26.1	26.4	26.6	26.4	26.9	26.2	26.2	26.0	25.8	25.6	24.6	26.0
1938	25.1	25.9	26.7	27.0	26.9	27.3	26.2	25.8	25.7	26.0	25.4	25.3	26.1
1939	25.5	25.7	26.4	26.6	26.6	26.3	26.6	26.3	25.9	25.7	25.6	25.2	26.0
1940	25.5	25.7	26.6	26.6	27.1	26.8	26.8	25.9	25.6	25.6	25.5	25.8	*26.1
Mean	25.3	25.9	26.3	26.5	26.7	26.5	26.4	26.1	25.9	25.7	25.4	25.1	26.0

## TOTAL PRECIPITATION IN MILLIMETERS. hr = 1.20 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	686	16	40	313	56	193	112	153	376	377	219	154	2695
1932	204	91	277	172	113	299	160	171	163	263	221	115	2249
1933	153	60	53	145	125	196	139	116	205	152	300	90	1734
1934	203	81	153	203	140	66	358	170	156	404	161	207	2332
1935	138	64	75	226	338	165	93	140	137	188	126	212	1902
1936	235	71	37	93	135	85	110	298	140	337	349	177	2067
1937	92	81	71	284	237	106	126	154	245	316	175	142	2029
1938	119	38	162	48	207	26	52	137	174	213	112	64	1352
1939	174	77	98	114	114	208	88	181	257	290	232	163	1996
1940	43	32	3	66	125	162	129	207	367	395	129	321	1979
Mean	205	61	97	166	159	151	140	173	222	294	202	165	2034

\* See NOTES, p. 37.

## PADANG, NETHERLANDS EAST INDIES

Lat. 0°56' S. Long. 100°22' E. H = 5 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	613	526	392	370	114	190	303	292	773	659	300	530	5062
1932	108	85	126	339	289	308	40	276	293	992	443	479	3773
1933	647	247	385	532	499	197	335	360	302	479	446	287	4716
1934	199	48	263	666	288	438	333	359	357	412	619	233	4215
1935	230	541	397	372	390	338	187	205	333	852	897	700	5442
1936	620	184	213	257	509	71	381	211	310	454	628	339	4177
1937	438	209	144	453	314	139	66	448	480	310	421	525	3947
1938	206	155	548	342	380	262	436	300	747	461	883	587	5307
1939	473	117	161	273	224	148	95	552	365	459	311	585	3763
1940	279	157	457	215	372	306	192	284	303	417	545	498	4025
Mean	381	227	309	382	338	240	237	329	426	550	549	476	4443

## PASURUAN (PASOEROEAN), NETHERLANDS EAST INDIES

Lat. 7°38' S. Long. 112°55' E. H = 5 m.

TEMPERATURE IN DEGREES C.  $h_t = 1.70$  m.

Means of (see NOTES)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.4	27.2	27.6	27.3	27.3	27.2	26.5	26.7	27.5	28.4	28.1	28.0	27.4
1932	27.0	26.6	26.5	26.7	27.1	26.5	26.1	26.0	26.6	27.7	27.8	26.9	26.8
1933*	27.4	26.3	26.6	26.7	27.2	26.6	25.9	27.8	27.5	28.1	27.2	26.9	27.0
1934	26.9	26.2	26.2	26.5	26.4	26.4	26.4	26.1	26.4	27.3	26.3	27.0	26.5
1935	27.2	27.2	27.3	26.7	27.1	26.0	25.5	25.5	25.5	27.3	28.4	28.1	26.8
1936	...	27.0	26.9	26.8	27.2	26.6	26.0	26.6	26.8	27.7	27.4	27.0	26.9
1937	26.5	27.4	27.4	26.9	26.5	25.9	25.3	25.3	26.6	27.4	28.3	26.6	26.7
1938	26.8	26.5	27.1	27.1	26.2	26.1	26.2	26.0	26.1	26.7	26.9	26.9	26.6
1939	26.5	26.1	26.3	26.8	26.8	26.3	26.3	26.4	26.4	27.0	28.1	27.5	26.7
1940	26.4	...	...	27.3	27.0	26.5	25.5	25.2	26.4	26.8	28.1	27.4	26.7
Mean	26.9	26.7	26.9	27.1	26.9	26.4	26.0	26.2	26.6	27.4	27.7	27.2	26.9

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	120	366	322	191	124	34	0	0	0	0	40	88	1235
1932	228	202	399	185	95	131	0	0	0	1	43	251	1535
1933	186	344	231	83	96	97	0	30	15	0	125	223	1430
1934	272	345	248	409	47	8	0	0	0	16	208	162	1715
1935	280	107	313	111	1	62	0	0	0	0	11	27	912
1936	275	261	225	200	11	80	0	0	3	0	34	418	1507
1937	519	225	110	127	127	148	0	0	0	0	3	174	1433
1938	201	195	40	26	333	114	49	8	0	0	69	109	1234
1939	214	315	193	183	115	176	61	3	0	1	18	156	1435
1940	376	354	197	109	24	0	0	1	0	0	5	93	1159
Mean	267	271	228	162	97	85	11	4	2	2	56	179	1365

\* See NOTES, p. 38.

## PONTIANAK, NETHERLANDS EAST INDIES

Lat. 0°1' S. Long. 109°20' E. H = 3 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.20$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	357	163	306	343	266	250	285	48	534	436	307	348	3643
1932	142	78	172	272	514	206	182	288	288	525	231	246	3144
1933	291	191	213	357	246	164	313	253	389	418	349	187	3371
1934	341	256	199	204	91	155	241	119	221	185	338	417	2767
1935	166	292	229	185	384	323	54	300	88	510	509	275	3315
1936	375	167	320	197	464	244	45	37	317	282	272	147	2867
1937	137	216	90	409	329	191	212	28	304	262	422	303	2903
1938	272	175	236	287	301	92	231	167	156	300	291	276	2784
1939	180	192	33	180	152	195	100	164	156	316	282	137	2087
1940	165	191	139	152	171	142	25	25	130	205	173	215	1733
Mean	243	192	194	259	292	196	169	143	253	344	317	255	2861

## PORT VICTORIA, SEYCHELLES

Lat. 4°37' S. Long. 55°27' E. H = 15 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 10<sup>h</sup>, local mean time

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.881	.882	.899	*.880	.884	.908	.899	.932	.924	.941	.886	.896	.901
1932	.914	.894	.879	.885	.886	.904	.894	.910	.920	.921	.915	.891	.901
1933	.861	.849	.863	.871	.861	.906	.940	.928	.940	.921	.892	.868	.892
1934	.864	.874	.861	.870	.917	.912	.897	.933	.935	.925	.902	.873	.897
1935	.899	.866	.863	.860	.876	.878	.911	.924	.918	.914	.904	.880	.891
1936	.882	.875	.868	.876	.860	.902	.922	.926	.912	.926	.915	.862	.894
1937	.868	.873	.842	.849	.891	.904	.896	.916	.930	.925	.875	.880	.887
1938	.881	.885	.844	.866	.846	.905	.905	.892	.931	.929	.916	.877	.890
1939	.887	.874	.859	.823	.889	.932	.943	.951	.953	.923	.904	.938	.911
1940	.872	.902	.881	.898	.873	.931	.931	.944	.956	.949	.871	.927	.913
Mean	.881	.877	.866	.868	.878	.908	.916	.926	.932	.927	.898	.889	.898

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	78.8	80.1	80.5	81.8	81.9	79.1	78.3	77.3	79.2	79.5	78.8	77.3	79.4
1932	78.3	79.6	79.7	80.6	81.4	79.5	77.6	77.4	78.5	78.1	78.4	78.8	79.0
1933	78.8	80.0	80.4	80.8	81.3	79.0	77.5	77.5	77.9	78.9	78.7	78.1	79.1
1934	78.1	78.5	79.4	80.7	79.6	78.3	77.6	77.9	77.7	78.3	78.5	78.6	78.6
1935	78.6	79.8	80.3	80.5	80.1	78.9	77.9	77.7	79.1	78.7	79.3	79.0	79.2
1936	79.4	80.6	81.2	81.3	80.9	79.7	78.3	77.5	79.1	78.8	78.6	79.1	79.5
1937	78.7	80.0	80.9	81.5	80.7	79.1	77.9	78.3	78.8	79.2	78.9	78.6	79.4
1938	78.7	79.9	80.7	80.8	80.7	78.9	78.2	77.5	78.3	78.4	78.0	77.7	79.0
1939	78.3	79.5	79.7	80.4	80.7	78.1	77.2	77.1	78.4	78.3	78.7	78.3	78.7
1940	...	...	80.6	80.7	80.8	79.3	77.7	77.7	78.5	78.7	79.7	79.5	†79.2
Mean	77.5	79.8	80.3	80.9	80.8	79.0	77.8	77.6	78.6	78.7	78.8	78.5	79.0

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	11.16	18.68	1.60	2.52	9.66	4.31	2.22	1.36	0.14	8.41	5.78	33.21	99.05
1932	15.01	0.91	12.42	2.93	5.53	1.87	2.43	1.64	2.52	12.43	5.87	10.18	73.74
1933	21.28	1.23	8.16	2.02	4.84	4.92	1.25	0.84	10.94	2.31	11.68	10.42	79.89
1934	13.18	21.34	6.67	4.10	5.71	2.52	22.92	14.30	23.19	4.90	8.52	16.88	144.23
1935	20.57	12.31	13.75	11.37	6.58	6.27	13.63	3.47	2.80	6.75	11.42	13.65	122.57
1936	15.51	8.56	2.43	6.45	13.13	4.74	5.31	13.12	2.48	5.16	16.25	14.11	107.25
1937	21.65	9.84	2.91	10.87	10.23	2.04	2.50	0.35	9.34	7.82	9.00	9.73	96.28
1938	8.63	5.75	3.42	4.97	8.69	1.59	1.19	0.63	3.68	10.88	16.68	13.11	79.22
1939	20.10	6.84	4.54	4.56	6.86	0.54	0.76	0.57	1.10	3.03	4.54	17.36	70.80
1940	14.10	9.26	7.02	12.37	3.61	1.20	1.79	4.49	8.03	2.81	2.24	9.63	76.55
Mean	16.12	9.47	6.29	6.22	7.48	3.00	5.40	4.08	6.42	6.45	9.20	14.83	94.96

\* Mean of 28 days.

† Normal values used for missing months.





# NORTH AMERICA

## BARROW, ALASKA \*

Lat. 71°23' N. Long. 156°17' W. H<sub>b</sub> = 13 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{2}$ (2<sup>h</sup>+14<sup>h</sup>), 150th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.058	1.082	1.498	1.150	1.124	.995	.840	1.006	.976	.798	.946	.866	<b>1.028</b>
1932	1.168	1.114	1.318	1.219	1.118	1.112	.998	.990	.764	.888	1.144	.845	<b>1.056</b>
1933	.926	1.272	1.186	1.014	1.036	.889	.775	.724	.912	.918	1.184	1.336	<b>1.014</b>
1934	1.098	1.000	1.193	1.052	.884	.910	.868	1.064	1.086	.762	.964	.972	<b>.988</b>
1935	1.151	.909	1.250	1.302	1.149	1.027	.874	.957	.898	.815	1.168	1.133	<b>1.053</b>
1936	1.091	1.564	.983	1.070	.942	.953	.795	.782	.998	.984	1.060	.800	<b>1.002</b>
1937	.954	.885	1.236	.914	.922	.796	.886	.782	.809	.848	.957	1.302	<b>.941</b>
1938	.975	1.222	.760	1.086	.903	.878	.806	.816	.680	.658	.796	.876	<b>.871</b>
1939	.937	1.179	1.166	.867	1.016	1.068	.893	.858	.817	.940	.964	.776	<b>.961</b>
1940	1.184	1.284	1.154	1.082	1.093	1.075	.964	.838	.711	.918	.955	.921	<b>1.015</b>
Mean	1.059	1.151	1.174	1.076	1.019	.970	.870	.882	.865	.853	1.014	.983	.993

## TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-18.8	-23.0	-10.8	4.6	19.2	34.8	38.0	36.6	25.8	7.4	0.0	-11.4	<b>8.5</b>
1932	-21.8	-22.8	- 8.8	3.1	22.0	35.8	40.4	33.4	30.4	17.6	-5.0	- 3.0	<b>10.1</b>
1933	-23.2	-18.7	-13.4	1.3	18.2	30.8	39.0	37.2	26.7	11.2	-7.9	-14.5	<b>7.2</b>
1934	-26.8	-10.5	-17.2	-4.0	17.2	33.4	38.8	36.3	31.4	20.0	1.3	- 3.0	<b>9.7</b>
1935	- 9.4	-11.6	- 9.0	2.5	13.6	31.7	39.0	37.6	30.4	19.6	-7.4	-15.2	<b>10.2</b>
1936	-15.6	-27.0	-17.4	2.6	13.8	37.4	39.6	43.2	28.2	9.8	-1.0	-11.6	<b>8.5</b>
1937	- 4.5	-14.2	-15.0	-3.2	21.4	36.6	38.8	37.0	33.2	21.0	9.0	- 4.9	<b>12.9</b>
1938	-18.4	-20.6	-18.0	-3.8	20.3	36.1	42.4	40.4	30.7	25.2	9.1	-10.6	<b>11.1</b>
1939	-19.4	-19.3	-15.3	11.0	17.8	33.5	37.4	38.4	33.1	19.6	-8.0	- 0.4	<b>10.7</b>
1940	- 9.2	-18.9	-10.5	6.4	23.4	30.8	42.5	39.6	35.6	23.3	9.6	- 5.6	<b>13.9</b>
Mean	-16.7	-18.7	-13.5	2.0	18.7	34.1	39.6	38.0	30.5	17.5	0.0	- 8.0	10.3

## TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.10	T	0.01	T	T	0.24	0.33	0.37	0.30	0.32	T	1.67
1932	0.00	0.10	0.16	T	T	0.59	0.28	0.94	0.75	0.18	0.02	0.06	3.08
1933	T	0.27	0.11	0.05	0.81	0.70	0.15	0.30	0.70	0.20	0.10	0.20	3.59
1934	0.10	0.10	0.10	T	T	T	0.26	T	0.25	0.43	0.05	0.33	1.62
1935	0.23	0.11	0.09	T	T	T	0.10	0.16	0.62	0.30	T	0.00	1.61
1936	0.00	0.00	T	0.01	T	0.37	0.60	0.55	0.27	0.12	T	0.00	1.92
1937	0.88	T	T	0.11	0.08	T	T	0.41	0.25	0.37	0.71	0.44	3.25
1938	0.17	0.06	0.12	0.00	0.05	0.23	1.63	1.11	1.15	0.95	0.41	0.23	6.11
1939	0.00	0.28	T	T	T	0.25	0.83	0.41	0.66	0.36	0.03	0.23	3.05
1940	0.10	0.01	0.01	0.06	0.15	0.23	0.44	0.52	0.66	0.40	0.19	0.17	2.94
Mean	0.15	0.10	0.06	0.02	0.11	0.24	0.45	0.47	0.57	0.36	0.18	0.17	2.88

\* See NOTES, p. 33.

## BETHEL, ALASKA

Lat. 60°48' N. Long. 162°12' W.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{2}(1^h+13^h)$ , 165th meridian W.  
900 mb.+

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	89.2	96.6	111.3	110.6	110.4	110.0	113.1	113.1	109.3	98.4	102.4	101.0	105.5
1932	110.2	115.2	101.8	105.7	107.0	110.9	110.4	108.3	104.8	103.6	110.0	101.1	107.7
1933	108.7	114.4	110.2	107.9	113.7	113.8	115.2	108.9	108.3	109.4	107.6	125.5	112.0
1934	106.8	100.4	113.2	103.0	110.7	110.4	114.4	114.2	106.9	99.3	103.3	104.2	107.3
1935	103.2	103.6	114.1	114.0	112.1	112.2	112.4	111.7	110.4	115.9	112.3	103.3	110.9
1936	100.5	113.1	108.7	110.3	98.3	114.2	115.2	113.3	111.3	104.4	104.0	105.8	108.3
1937	123.2	111.5	115.6	111.8	108.8	110.0	112.0	114.7	108.9	100.1	107.0	112.0	111.3
1938	108.4	115.5	102.5	103.0	104.7	108.1	115.0	114.3	101.7	96.1	103.1	96.3	105.8
1939	102.9	104.8	114.6	108.8	113.3	114.9	110.2	106.5	115.2	108.8	106.8	94.5	108.4
1940	106.9	105.1	107.7	104.9	110.6	111.9	113.5	104.7	104.4	100.5	107.9	99.0	106.4
Mean	106.6	108.0	110.3	108.0	109.0	111.7	113.1	111.0	108.1	103.7	106.4	104.3	108.3

## DUTCH HARBOR, ALASKA

Lat. 53°55' N. Long. 166°30' W.  $H_b = 13$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(4^h + 16^h)$ , 120th meridian W.

28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.925	1.352	1.744	1.814	1.861	1.794	2.012	1.958	1.892	1.605	1.558	1.684	1.683
1932	1.747	1.932	1.526	1.626	1.642	1.912	1.992	1.902	1.779	1.575	1.713	1.326	1.723
1933	1.711	1.724	1.716	1.671	1.900	1.911	1.975	1.812	1.768	1.690	1.686	2.089	1.804
1934	1.504	1.290	1.609	1.506	1.787	1.788	2.026	1.938	1.686	1.620	1.494	1.508	1.646
1935	1.640	1.511	1.866	1.832	1.740	1.840	1.930	1.938	1.766	2.071	1.726	1.260	1.760
1936	1.803	1.582	1.732	1.786	1.866	1.938	2.066	1.919	1.774	1.487	1.411	1.590	1.704
1937	2.118	1.802	1.780	1.869	1.578	1.717	1.795	2.056	1.717	1.304	1.710	1.604	1.754
1938	1.537	1.779	1.491	1.463	1.525	1.666	1.975	1.988	1.633	1.881	1.559	1.209	1.600
1939	1.404	1.413	1.903	1.852	1.925	1.907	1.826	1.709	1.789	1.815	1.561	1.277	1.698
1940	1.427	1.325	1.615	1.325	1.765	1.764	1.877	1.756	1.709	1.581	1.663	1.310	1.593
Mean	1.582	1.571	1.698	1.674	1.709	1.824	1.947	1.898	1.751	1.613	1.608	1.486	1.697

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	31.9	26.8	32.2	35.5	41.0	45.4	50.4	56.6	49.8	43.1	38.9	35.0	40.6
1932	33.8	32.4	36.0	35.8	40.8	44.6	49.6	52.2	47.6	43.9	36.4	34.8	40.7
1933	32.0	33.4	31.8	36.8	41.1	47.0	50.4	50.3	47.6	41.0	35.6	33.8	40.1
1934	24.2	31.2	35.0	36.4	41.4	45.8	53.2	55.0	49.7	41.0	36.8	34.8	40.4
1935	34.8	30.2	37.7	37.2	42.6	47.4	52.2	54.8	50.2	44.6	42.5	34.0	42.4
1936	28.8	38.1	36.2	39.2	41.4	48.7	52.8	55.1	51.6	44.0	35.0	34.8	42.1
1937	41.1	33.0	35.8	36.1	39.8	45.5	50.2	57.0	50.0	43.3	37.2	33.0	41.8
1938	30.5	31.8	30.6	38.0	40.7	44.3	50.2	54.6	46.6	40.2	37.4	33.5	39.9
1939	29.4	35.7	31.2	36.6	39.7	45.2	51.4	50.8	49.7	40.4	33.3	26.5	39.2
1940	28.2	32.9	30.8	40.2	42.2	46.6	51.6	51.0	48.6	41.4	37.6	32.5	40.3
Mean	31.5	32.5	33.7	37.2	41.1	46.0	51.2	53.7	49.1	42.3	37.1	33.3	40.7

TOTAL PRECIPITATION IN INCHES.  $h_r = 3$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.07	8.56	3.49	1.29	3.88	4.00	0.88	2.21	3.66	4.04	8.60	3.24	51.92
1932	2.87	6.56	4.91	3.33	1.63	0.53	0.24	2.70	4.43	4.53	3.51	9.18	44.42
1933	4.02	8.12	1.13	4.76	1.63	1.10	0.82	2.44	3.01	10.53	4.97	5.54	43.07
1934	2.58	5.74	11.65	5.13	3.28	3.47	5.22	0.63	9.55	6.35	5.25	6.58	65.43
1935	7.02	5.41	4.39	3.98	5.06	3.63	0.83	1.64	7.19	7.76	8.13	10.51	65.55
1936	6.58	9.01	7.02	8.06	7.64	0.81	2.96	3.68	10.16	10.89	8.27	7.89	32.97
1937	6.21	3.61	3.79	2.61	11.09	2.01	0.85	0.80	5.82	7.59	2.35	7.87	54.60
1938	3.71	2.38	4.61	5.84	5.15	5.00	0.89	2.40	9.46	9.25	10.55	10.15	69.43
1939	6.91	11.81	2.69	1.94	1.25	2.81	1.75	4.10	7.27	6.84	4.49	6.62	53.48
1940	13.53	14.34	6.79	7.29	2.38	3.10	1.30	2.41	8.50	6.23	8.05	5.32	79.24
Mean	6.15	7.55	5.05	4.42	4.30	2.65	1.57	2.31	6.90	7.40	6.42	7.29	62.01

## PRESSURE AT SEA LEVEL

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	80.0	94.4	107.7	110.1	111.7	109.4	116.8	115.0	112.7	103.0	101.4	105.7	105.7
1932	107.8	114.1	100.3	103.7	104.3	113.4	116.1	113.1	108.9	102.0	106.7	93.6	107.0
1933	106.6	107.0	106.8	105.3	113.0	113.4	115.5	110.0	111.9	105.9	105.8	119.4	109.3
1934	99.6	92.3	103.2	99.7	109.2	109.2	117.3	114.3	105.8	103.5	99.3	99.7	104.4
1935	104.2	99.8	111.9	110.7	107.6	111.0	118.6	114.3	108.5	118.8	107.1	91.3	108.3
1936	109.7	101.9	107.3	109.1	94.9	114.3	114.0	113.7	108.7	99.0	96.4	102.5	106.4
1937	120.4	109.7	108.9	112.0	102.1	106.8	109.5	118.3	106.8	92.8	106.0	103.0	108.1
1938	100.7	108.9	99.2	98.2	100.3	105.1	115.6	116.0	104.0	95.5	101.5	89.6	102.9
1939	96.2	96.5	118.1	111.4	113.9	113.3	110.5	106.6	109.1	110.2	101.6	91.9	106.2
1940	97.0	93.6	103.4	93.6	108.5	108.4	112.3	108.2	106.6	102.2	105.0	93.1	102.6
Mean	102.2	101.8	106.2	105.4	106.5	110.4	114.6	112.9	108.0	103.3	103.1	99.0	106.1

## EAGLE, ALASKA \*

Lat. 64°46' N. Long. 141°12' W. H<sub>b</sub> = 821 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(3^h + 15^h)$ , 135th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.634	.648	1.130	.942	.914	.858	.896	.957	.860	.636	.897	.780	.846
1932	.984	1.010	1.030	.876	.828	.836	.832	.864	.794	.885	1.016	1.004	.913
1933	.891	1.146	1.005	.933	.894	.902	.931	.888	.802	.954	.937	1.377	.973
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.5	6.6	3.6	25.1	40.4	55.8	57.6	52.4	43.4	27.7	10.8	3.1	26.8
1932	-16.7	-19.8	9.7	32.6	45.2	53.6	59.5	54.0	40.4	27.9	-12.8	9.5	22.0
1933	-23.4	-8.7	5.8	28.8	47.4	52.4	57.1	54.0	40.0	18.4	6.4	-35.9	20.3
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.40	0.27	0.01	0.16	0.79	1.72	1.33	2.52	1.41	0.82	0.45	0.21	10.09
1932	0.48	0.41	0.01	0.31	0.51	1.88	2.20	3.54	0.71	0.41	0.10	0.11	10.67
1933	0.10	0.21	0.42	0.28	0.59	0.74	1.31	0.93	0.81	0.86	0.98	0.49	7.72
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* Station discontinued at end of 1933.

FAIRBANKS, ALASKA

Lat. 64°51' N. Long. 147°39' W. H<sub>b</sub> = 454 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(2\frac{1}{2}^h + 14\frac{1}{2}^h)$ , 150th meridian W.

28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.968	1.033	1.515	1.372	1.358	1.312	1.366	1.414	1.318	1.076	1.285	1.187	1.267
1932	1.436	1.482	1.351	1.276	1.276	1.294	1.292	1.314	1.209	1.242	1.365	1.331	1.322
1933	1.298	1.548	1.384	1.334	1.318	1.344	1.376	1.297	1.224	1.358	1.300	1.800	1.382
1934	1.288	1.195	1.498	1.232	1.275	1.316	1.416	1.462	1.445	1.075	1.207	1.401	1.318
1935	1.470	1.237	1.536	1.433	1.384	1.337	1.386	1.392	1.400	1.483	1.511	1.342	1.409
1936	1.300	1.707	1.374	1.469	1.208	1.418	1.378	1.430	1.431	1.253	1.252	1.302	1.377
1937	1.692	1.338	1.456	1.266	1.286	1.243	1.342	1.332	1.364	1.172	1.384	1.558	1.369
1938	1.376	1.636	1.158	1.252	1.244	1.260	1.412	1.482	1.106	1.027	1.263	1.154	1.281
1939	1.180	1.442	1.455	1.348	1.316	1.404	1.328	1.264	1.324	1.284	1.196	.918	1.288
1940	1.402	1.374	1.314	1.314	1.350	1.355	1.434	1.204	1.234	1.124	1.478	1.143	1.310
Mean	1.341	1.399	1.404	1.330	1.301	1.328	1.373	1.359	1.305	1.209	1.325	1.314	1.332

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 11 ft.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	— 0.8	5.2	8.0	26.1	40.8	56.6	58.4	53.0	43.4	23.0	9.0	— 6.8	26.3
1932	—21.0	—18.0	13.6	32.8	46.4	55.0	58.9	51.8	41.0	28.8	—8.2	—13.1	22.3
1933	—23.5	— 6.8	8.3	32.1	46.3	53.7	58.3	53.8	41.8	20.2	. 7.5	—27.0	22.1
1934	—31.2	4.6	9.2	33.1	45.4	57.9	56.6	55.5	45.9	31.3	1.3	1.6	25.9
1935	—13.6	7.4	4.6	27.6	42.4	56.2	61.1	50.2	42.0	24.1	1.5	—17.6	23.8
1936	— 8.2	—14.4	4.6	27.6	48.6	62.6	60.5	57.7	42.5	30.2	10.8	—12.7	25.8
1937	11.4	—10.7	5.9	23.8	43.6	61.8	60.3	52.0	47.8	30.7	10.4	— 7.2	27.5
1938	—18.1	—11.4	10.0	34.2	47.7	57.2	59.2	54.6	49.3	37.8	9.5	— 3.1	27.2
1939	—10.6	— 2.9	4.5	32.0	47.1	59.2	60.4	53.6	42.0	20.6	—5.2	0.0	25.0
1940	— 1.6	— 0.1	12.6	43.6	49.2	60.1	62.0	57.6	45.7	29.4	6.4	— 4.0	30.1
Mean	—11.7	— 4.7	8.1	31.3	45.8	58.0	59.6	54.0	44.0	27.6	4.3	— 9.0	25.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.26	0.42	0.15	0.11	0.69	1.73	1.43	2.80	1.48	0.82	0.38	1.73	12.00
1932	1.08	1.77	0.10	0.06	0.22	1.66	2.33	3.85	0.84	0.53	0.30	0.18	12.92
1933	1.13	0.65	0.07	0.17	0.82	1.52	1.39	2.16	0.46	1.08	0.78	0.96	11.14
1934	0.70	0.10	0.43	0.57	0.22	0.30	2.47	3.35	0.55	0.21	0.14	0.39	9.43
1935	1.41	0.41	1.97	0.22	0.88	0.84	1.97	2.01	1.41	3.40	2.85	0.11	17.48
1936	0.09	0.15	0.49	T	1.03	0.67	0.81	2.12	0.76	2.02	1.88	1.12	11.14
1937	6.71	0.54	T	0.42	0.38	0.74	1.32	3.83	0.34	1.39	0.53	0.28	16.48
1938	0.54	0.40	0.23	0.10	0.13	0.40	2.72	2.69	0.58	0.10	0.42	0.52	8.83
1939	0.68	0.27	0.48	T	0.89	2.18	2.18	1.44	1.16	0.79	0.63	0.05	10.75
1940	1.34	0.08	0.03	0.27	1.39	2.16	0.94	2.13	0.75	0.53	0.54	0.29	10.45
Mean	1.39	0.48	0.40	0.19	0.67	1.22	1.76	2.64	0.83	1.09	0.84	0.56	12.06

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	*99.8	1.7	18.4	12.8	11.8	9.7	11.4	13.2	10.3	2.4	10.4	7.7	9.1
1932	17.1	18.4	12.5	9.1	8.8	9.1	8.9	9.8	6.6	8.1	14.0	13.0	11.3
1933	12.3	20.1	13.5	11.2	10.2	10.8	11.9	9.1	7.0	12.4	11.0	30.0	13.3
1934	12.4	7.4	17.7	7.7	8.7	9.8	13.2	11.5	14.6	2.2	8.0	14.9	11.0
1935	17.9	8.8	19.3	14.8	12.6	10.6	12.1	12.6	13.1	16.7	18.6	13.7	14.2
1936	11.7	26.0	13.6	16.0	6.3	13.1	11.8	13.7	14.4	8.5	9.1	12.1	13.0
1937	24.4	13.0	16.4	9.0	9.2	7.1	10.6	10.4	11.7	5.6	13.7	20.6	12.6
1938	14.8	23.6	5.9	8.3	7.5	8.0	12.9	15.6	2.7	0.3	9.7	6.4	9.7
1939	7.6	16.3	16.5	11.7	10.2	12.7	10.1	8.1	10.5	9.9	7.9	*98.1	10.0
1940	15.0	13.9	11.2	10.1	11.2	11.0	13.7	5.9	7.2	4.0	17.1	6.1	10.5
Mean	13.3	14.9	14.5	11.1	9.7	10.2	11.7	11.3	9.8	7.0	12.0	12.3	11.5

\* 900 mb. +.

## JUNEAU, ALASKA

Lat. 58°18' N. Long. 134°24' W. H<sub>b</sub> = 80 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^b + 20^b)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.526	.603	.568	.748	.583	.844	.962	.958	.774	.661	.858	.512	.766
1932	.718	.694	.818	.776	.876	.888	.839	.896	.840	.786	.584	.751	.789
1933	.478	.840	.753	.930	.794	.854	.918	.914	.652	.797	.800	.862	.799
1934	.530	.785	.913	.896	.829	.887	.898	1.028	.936	.667	.544	.808	.810
1935	.792	.836	.804	.898	.954	.836	.978	.912	.892	.920	.894	.562	.856
1936	.756	.965	.814	.860	.848	.833	.837	.940	.890	.886	.852	.612	.841
1937	1.132	.612	.740	.636	.856	.851	.964	.835	.940	.692	.691	.785	.811
1938	.706	.822	.583	.787	.915	.923	.982	.987	.802	.648	.758	.713	.802
1939	.573	.897	.830	.892	.843	.908	.906	.930	.838	.724	.549	.426	.776
1940	.524	.738	.706	.862	.894	.936	.906	.814	.830	.636	.904	.584	.803
Mean	.703	.779	.783	.828	.869	.876	.919	.921	.839	.742	.743	.662	.805

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 96 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	37.6	36.2	32.8	43.2	46.0	54.7	55.1	55.6	50.8	43.4	33.6	32.8	43.5
1932	27.9	24.3	33.7	43.1	46.4	49.4	53.4	56.8	48.8	44.2	31.8	27.1	40.6
1933	24.0	28.6	32.6	39.2	48.2	51.4	53.9	55.2	49.4	38.5	39.4	13.0	39.4
1934	29.0	37.0	36.2	42.4	49.2	52.6	57.6	55.9	50.9	44.0	36.8	29.4	43.4
1935	23.2	37.0	28.0	39.6	45.4	53.2	55.2	53.7	50.8	39.4	34.2	34.0	41.1
1936	26.6	15.0	32.3	42.0	48.0	60.4	57.4	57.8	50.0	46.9	42.2	27.8	42.2
1937	27.8	29.4	38.0	40.6	47.0	55.7	55.1	54.6	52.7	47.4	37.2	26.0	42.6
1938	31.9	24.2	36.2	42.0	47.0	51.0	54.7	56.8	54.1	48.3	37.6	32.3	43.0
1939	33.6	26.5	31.8	38.2	46.4	54.6	56.4	53.6	49.6	41.2	38.3	39.9	42.5
1940	32.8	32.2	35.6	45.4	49.0	53.1	58.8	54.8	52.2	45.8	33.8	34.8	44.0
Mean	29.4	29.0	33.8	41.6	47.3	53.6	55.8	55.5	50.9	43.9	36.5	29.7	42.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 88 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9.14	8.26	3.36	7.44	8.55	5.10	5.71	11.31	9.37	15.91	7.76	5.65	97.56
1932	11.78	9.31	2.82	2.80	4.91	10.59	5.77	2.54	11.77	9.73	7.05	5.45	84.52
1933	6.01	6.67	3.91	7.11	4.65	6.92	3.67	11.72	4.56	14.09	13.23	0.88	83.42
1934	14.91	7.55	4.65	6.55	2.75	3.91	3.36	7.77	5.17	12.30	5.57	4.38	78.87
1935	5.88	7.48	3.22	4.96	7.62	4.78	7.18	10.40	11.92	5.91	11.19	9.31	89.80
1936	4.86	2.40	7.74	7.18	5.59	0.54	6.48	2.76	12.34	18.71	25.87	9.11	103.58
1937	5.57	3.75	6.14	5.79	5.82	4.76	8.15	11.63	9.92	14.80	6.45	7.03	89.81
1938	10.30	6.10	5.67	5.71	8.16	8.91	7.29	4.92	13.23	9.90	12.06	11.69	103.94
1939	10.17	8.42	9.09	4.80	5.63	4.65	8.44	12.24	14.09	19.11	13.14	9.70	119.48
1940	4.01	2.23	5.18	3.32	6.40	6.11	4.46	10.79	9.31	9.67	6.75	6.22	74.45
Mean	8.26	6.22	5.18	5.57	6.01	5.62	6.05	8.61	10.17	13.01	10.91	6.94	92.54

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	2.9	5.5	14.5	10.4	15.0	13.7	17.7	17.5	11.3	7.5	14.2	2.4	11.0
1932	9.5	8.6	12.8	11.4	14.8	15.2	13.5	15.4	13.5	11.7	4.9	10.6	11.8
1933	13	13.5	10.6	16.6	12.0	14.0	16.2	16.1	7.2	12.1	12.2	14.4	12.2
1934	3.1	11.7	16.1	15.4	13.2	15.1	15.5	19.9	16.8	7.7	3.5	12.5	12.6
1935	12.0	13.4	12.3	15.5	17.4	13.4	18.2	16.0	15.3	16.3	15.4	4.1	14.1
1936	10.7	18.0	12.7	14.2	13.8	13.3	13.4	16.9	15.2	15.1	14.0	5.9	13.6
1937	23.5	5.8	10.2	6.6	14.1	13.9	17.7	13.4	16.9	8.5	8.5	11.7	12.6
1938	9.0	13.0	4.8	11.8	16.1	16.3	18.4	18.6	12.3	7.0	10.8	9.3	12.3
1939	4.5	15.3	13.2	16.3	13.6	15.8	15.7	16.5	13.5	9.6	3.7	*99.5	11.4
1940	13.0	10.1	9.0	14.3	15.4	16.8	15.8	12.7	13.2	6.6	15.7	4.3	12.3
Mean	8.9	11.5	11.6	13.1	14.5	14.8	16.2	16.3	13.5	10.2	10.3	7.5	12.4

\* 900 mb. +.

KODIAK, ALASKA

Lat. 57°47' N. Long. 152°22' W.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(4^h+16^h)$ , 120th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.110	.234	.708	.776	.805	.822	.925	.930	.779	.430	.681	.516	.643
1932	.694	.790	.620	.667	.778	.856	.889	.888	.728	.607	.502	.555	.714
1933	.550	.802	.655	.778	.823	.903	.918	.814	.682	.701	.618	.952	.766
1934	.365	.502	.830	.676	.778	.868	1.045	1.038	.905	.468	.430	.612	.710
1935	.703	.550	.916	.840	.823	.892	.980	.926	.864	.949	.842	.372	.805
1936	.446	.874	.794	.900	.683	.954	.916	.974	.871	.631	.500	.576	.760
1937	1.262	.632	.716	.670	.724	.800	.868	.913	.818	.434	.618	.628	.757
1938	.527	.688	.516	.643	.704	.810	.998	1.101	.546	.342	.640	.398	.659
1939	.430	.709	.699	.761	.829	.952	.866	.776	.759	.634	.342	.111	.658
1940	.648	.592	.582	.712	.816	.857	.886	.662	.699	.396	.745	.362	.663
Mean	.574	.637	.704	.742	.776	.874	.929	.902	.765	.559	.592	.508	.714

TEMPERATURE IN DEGREES F.  $h_t = 5$  ft.  
Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	35.6	32.8	34.2	39.6	44.2	49.5	53.0	58.0	50.8	42.8	37.4	30.7	42.4
1932	26.6	28.2	35.4	38.0	43.4	46.8	54.8	53.6	47.9	44.0	31.5	34.1	40.4
1933	26.6	31.2	32.0	37.6	42.8	50.2	54.4	51.6	48.1	39.6	36.0	...	...
1934	23.4	34.6	33.3	37.6	44.2	48.2	54.4	54.8	52.0	41.8	37.6	34.0	41.3
1935	32.0	34.8	35.6	40.0	43.6	49.8	54.5	55.2	51.0	42.0	38.9	32.2	42.5
1936	35.2	34.8	31.7	39.1	42.2	56.0	60.4	57.2	50.4	47.2	37.6	31.0	43.6
1937	38.3	29.2	33.4	38.8	42.2	47.8	52.0	57.2	51.0	46.4	37.2	32.2	42.1
1938	31.0	31.4	31.4	39.0	42.2	46.8	51.2	57.0	51.2	44.7	36.2	34.8	41.4
1939	29.0	34.0	30.4	36.4	42.8	49.3	53.1	53.0	50.6	40.3	32.1	32.5	40.3
1940	36.8	37.0	34.0	41.4	45.8	48.2	55.3	54.7	50.4	43.0	38.0	36.8	43.4
Mean	31.4	32.8	33.1	38.7	43.3	49.3	54.3	55.2	50.3	43.2	36.2	33.1	*41.8

TOTAL PRECIPITATION IN INCHES.  $h_r = 4$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.04	4.08	2.75	0.59	5.14	7.70	3.40	3.48	2.10	3.69	5.37	2.49	48.33
1932	2.03	0.15	7.72	4.49	7.89	9.38	2.00	2.44	4.63	7.88	0.73	8.20	57.54
1933	0.70	8.43	4.24	4.94	6.59	1.46	4.24	6.91	3.04	3.11	2.75	0.58	46.99
1934	0.96	9.27	4.87	7.84	4.12	7.25	2.44	3.40	8.88	8.08	8.16	8.46	73.73
1935	5.06	6.32	2.01	4.02	9.44	2.04	7.19	4.62	7.65	2.89	2.55	6.21	60.00
1936	8.14	4.75	1.97	1.10	8.44	1.27	0.76	4.53	5.75	11.59	11.61	1.93	61.84
1937	0.92	1.06	0.51	1.97	8.32	6.94	9.76	0.89	6.60	13.73	6.28	6.93	63.96
1938	6.73	6.11	6.29	9.57	11.96	9.99	3.72	0.76	9.04	10.24	3.86	6.77	85.04
1939	3.23	3.08	4.62	4.65	3.97	1.94	3.58	5.86	11.51	4.03	5.92	9.65	67.04
1940	12.75	6.97	4.59	8.73	6.46	8.27	1.73	8.80	5.23	9.66	3.50	9.49	86.18
Mean	4.86	5.52	3.96	4.79	7.23	5.62	3.88	4.17	6.44	7.49	5.07	6.03	65.11

PRESSURE AT SEA LEVEL  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	85.8	90.0	106.0	108.3	109.3	109.9	113.4	113.5	108.4	96.6	105.1	99.5	103.9
1932	105.6	108.8	103.1	104.6	108.4	111.0	112.2	112.1	106.7	106.6	99.1	100.9	106.2
1933	100.7	109.2	104.2	108.4	109.9	112.6	113.2	109.6	105.2	105.8	103.0	114.3	108.6
1934	94.4	99.1	110.2	104.9	108.4	111.4	117.4	117.2	112.7	97.9	96.6	102.8	106.1
1935	105.9	100.7	113.1	110.5	109.9	112.3	115.2	113.4	111.3	114.2	110.6	94.7	109.3
1936	97.2	111.7	108.9	112.5	105.2	114.4	113.1	115.0	111.6	103.4	99.0	101.6	107.8
1937	124.8	103.5	106.3	104.7	106.6	109.1	111.4	113.0	109.8	96.8	103.0	103.3	107.7
1938	99.9	105.4	99.5	103.8	105.9	109.5	115.9	119.3	100.5	93.6	103.7	95.5	104.4
1939	96.6	106.1	105.7	107.8	110.1	115.3	111.4	108.3	107.8	103.5	93.6	85.8	104.3
1940	104.0	102.1	101.8	106.2	109.7	111.1	112.1	104.5	105.7	95.5	107.3	94.3	104.5
Mean	101.5	103.6	105.9	107.2	108.3	111.7	113.5	112.6	108.0	101.0	102.1	99.3	106.2

\* Mean of 12 monthly means.

## NOME, ALASKA

Lat. 64°30' N. Long. 165°24' W. H<sub>0</sub> = 22 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h+18^h)$ , 165th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.405	.504	.986	.812	.842	.850	.858	.850	.778	.515	.586	.510	.703
1932	.822	1.024	.777	.728	.786	.830	.768	.745	.611	.663	.920	.641	.777
1933	.772	1.053	.908	.793	.923	.875	.886	.715	.769	.814	.802	1.268	.882
1934	.852	.624	.958	.634	.827	.806	.886	.921	.764	.477	.702	.695	.762
1935	.838	.668	.860	.986	.937	.881	.813	.818	.818	.868	.971	.836	.858
1936	.723	1.112	.820	.944	.640	.918	.880	.869	.846	.685	.726	.646	.817
1937	1.027	.809	1.013	.836	.790	.774	.810	.824	.789	.668	.792	1.072	.850
1938	.935	1.146	.608	.702	.717	.798	.915	.812	.592	.468	.612	.536	.737
1939	.745	.745	1.034	.692	.912	.945	.761	.670	.796	.848	.755	.450	.779
1940	.866	.846	.852	.749	.860	.870	.846	.660	.598	.588	.758	.602	.758
Mean	.798	.853	.882	.788	.823	.855	.842	.788	.736	.659	.763	.726	.793

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 25 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	8.3	5.9	11.7	19.3	32.8	41.9	46.0	48.6	38.8	25.1	16.7	8.4	25.3
1932	— 4.2	—6.0	19.2	25.0	32.6	44.6	48.3	48.0	38.3	30.6	6.0	13.2	23.6
1933	— 6.7	2.6	7.2	24.6	31.4	41.4	47.6	48.6	38.4	25.8	12.0	7.8	23.4
1934	—10.5	13.6	10.6	25.0	31.7	46.6	46.9	48.2	44.8	31.2	18.2	16.1	26.9
1935	6.0	6.3	17.8	18.6	29.2	44.4	50.4	49.6	43.0	31.9	13.3	4.2	26.2
1936	8.2	8.5	3.7	26.0	40.8	49.0	51.8	51.1	42.6	29.8	18.6	6.0	28.0
1937	18.8	1.0	3.6	16.3	31.2	46.8	53.0	49.2	43.8	33.5	24.6	12.9	27.9
1938	— 0.8	6.0	11.1	32.0	36.4	47.6	49.8	48.8	41.8	33.6	19.3	10.0	28.0
1939	— 3.6	13.0	3.3	24.1	30.8	47.0	52.0	50.0	42.6	28.0	10.6	2.0	25.0
1940	8.1	6.4	11.8	35.6	40.0	50.2	51.5	50.4	43.3	30.4	24.4	10.4	30.2
Mean	2.4	5.7	10.0	24.6	33.7	45.9	49.7	49.2	41.7	30.0	16.4	9.1	26.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 39 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.14	0.75	0.16	1.18	0.59	0.64	2.20	4.69	3.38	2.19	2.37	3.84	22.13
1932	1.48	0.81	0.91	0.93	0.36	0.31	1.63	1.65	3.28	2.18	0.29	1.94	15.77
1933	0.94	0.49	0.27	0.49	0.53	0.29	0.48	2.32	0.84	0.45	0.91	1.06	9.07
1934	0.71	0.96	0.70	0.78	0.70	1.51	1.59	2.59	3.76	2.02	0.39	1.57	17.28
1935	1.53	1.13	3.01	1.13	0.22	0.61	2.56	3.04	2.02	7.37	2.33	0.66	25.61
1936	0.96	0.56	1.52	0.89	0.52	1.67	2.36	3.56	2.61	2.04	1.34	1.49	19.52
1937	4.47	0.70	0.40	1.06	0.86	0.56	0.90	2.98	5.38	1.00	2.02	0.33	20.66
1938	0.54	0.81	0.96	0.61	0.42	1.36	1.43	6.58	2.09	1.06	1.81	0.91	18.58
1939	0.26	0.95	0.62	1.77	0.44	0.16	1.68	2.84	2.01	0.65	0.03	0.33	11.74
1940	0.45	0.40	0.37	0.72	0.56	0.06	2.72	1.27	3.72	0.37	1.03	0.62	12.29
Mean	1.15	0.76	0.89	0.96	0.52	0.72	1.75	3.15	2.91	1.93	1.25	1.27	17.26

PRESSURE AT SEA LEVEL

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	96.5	99.9	116.2	110.3	111.3	111.6	111.9	111.6	109.2	100.2	102.6	100.1	106.8
1932	110.6	117.5	109.1	107.4	109.4	110.8	108.9	108.0	103.4	105.1	114.2	104.5	109.1
1933	108.9	118.4	113.5	109.6	113.9	112.5	112.5	107.0	108.8	110.3	109.9	125.6	112.6
1934	111.6	103.9	115.2	104.2	110.8	109.8	112.7	114.0	108.6	98.9	106.5	106.2	108.5
1935	111.1	105.4	111.9	116.1	114.5	112.6	110.2	110.4	110.4	112.1	115.6	111.1	111.8
1936	107.2	120.4	110.5	114.7	104.4	113.8	112.6	112.2	111.4	105.9	107.3	104.6	110.4
1937	117.5	110.1	117.0	111.0	109.5	108.9	110.2	110.6	109.5	105.4	109.6	119.0	111.5
1938	114.4	121.5	103.3	106.5	107.0	109.8	113.7	110.2	102.8	98.6	103.5	100.9	107.7
1939	108.0	108.0	117.7	106.2	113.7	114.7	108.5	105.4	109.8	111.4	108.3	97.9	109.1
1940	112.1	111.4	111.6	108.1	111.9	112.7	111.3	105.1	103.0	102.6	108.4	103.1	108.4
Mean	109.8	111.6	112.6	109.4	110.6	111.7	111.2	109.5	107.7	105.0	108.6	107.3	109.6



## ST. PAUL ISLAND, ALASKA

Lat. 57°15' N. Long. 170°10' W. H<sub>0</sub> = 20 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(1^h + 13^h)$ , 165th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.038	.042	.800	.772	.856	.854	.983	.918	.842	.512	.447	.510	.631
1932	.699	.926	.539	.638	.678	.921	.906	.825	.702	.573	.809	.302	.710
1933	.713	.796	.770	.663	.906	.866	.930	.790	.776	.722	.698	1.128	.813
1934	.670	.403	.673	.478	.804	.820	.746	.882	.629	.564	.516	.464	.637
1935	.610	.562	.708	.920	.849	.881	.830	.842	.782	1.036	.796	.494	.776
1936	.453	.655	.690	.766	.422	.923	1.026	.928	.764	.600	.442	.470	.673
1937	.983	.744	.717	.840	.628	.766	.726	.945	.754	.452	.703	.770	.752
1938	.691	.912	.537	.472	.604	.728	.947	.858	.690	.449	.521	.266	.640
1939	.579	.398	.987	.724	.942	.893	.773	.708	.808	.854	.656	.472	.733
1940	.564	.521	.776	.471	.832	.872	.792	.724	.624	.582	.610	.458	.652
Mean	.600	.596	.720	.674	.752	.852	.866	.842	.737	.634	.620	.533	.702

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.7	18.4	24.2	29.8	35.0	40.7	46.5	49.7	46.1	39.2	35.2	31.7	35.3
1932	28.0	24.4	27.6	30.8	35.5	41.5	46.2	47.6	44.8	41.4	32.0	32.0	36.0
1933	25.4	24.4	22.5	28.8	34.3	40.8	45.4	46.8	44.0	39.0	32.8	32.1	34.7
1934	14.8	22.2	26.1	30.4	37.2	43.0	47.0	48.6	47.9	39.2	35.2	33.6	35.4
1935	32.4	24.2	34.8	32.2	36.5	45.0	48.2	50.1	48.8	42.6	37.6	29.4	38.5
1936	19.3	30.2	25.9	33.8	37.8	44.6	48.8	51.1	47.8	40.5	34.0	32.6	37.2
1937	36.5	31.0	33.4	34.2	38.2	44.0	47.6	50.0	46.2	42.2	35.2	28.6	38.9
1938	21.2	23.2	22.4	32.2	35.0	40.8	46.2	48.0	42.2	37.6	34.4	31.2	34.5
1939	19.8	30.6	22.4	37.2	34.8	40.6	46.2	47.0	46.2	38.2	29.1	16.8	34.1
1940	21.2	17.0	16.4	33.0	36.8	42.4	45.9	47.6	45.8	37.9	35.4	26.4	33.8
Mean	24.5	24.6	25.6	32.2	36.1	42.3	46.3	48.6	46.0	39.3	34.1	29.4	35.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.66	2.42	1.06	1.44	3.11	0.98	0.32	2.14	1.79	3.68	3.89	2.57	27.06
1932	1.92	3.61	0.90	0.67	1.31	0.24	1.76	1.34	2.92	3.53	1.51	3.69	23.40
1933	2.28	0.98	0.42	1.00	1.76	1.06	1.15	2.72	3.23	1.11	1.71	0.08	17.50
1934	1.10	0.54	1.30	1.07	0.94	0.59	5.11	3.36	1.94	3.83	2.34	1.71	23.83
1935	4.06	1.19	2.85	0.99	1.43	0.25	2.13	3.21	2.80	2.65	3.67	0.62	25.85
1936	1.98	1.10	1.90	1.72	1.34	1.04	3.76	2.84	5.27	2.81	2.23	1.48	27.47
1937	2.98	0.86	0.65	0.92	0.89	1.18	2.83	3.88	2.12	3.01	3.65	0.85	23.82
1938	1.00	1.43	1.41	1.22	1.53	0.66	1.69	2.18	2.13	2.64	2.27	1.74	19.90
1939	0.80	0.91	0.69	2.16	1.07	0.75	1.57	3.16	2.23	1.03	0.67	0.29	15.33
1940	1.37	0.76	0.40	0.77	0.73	0.66	2.45	4.11	3.51	1.84	3.52	0.59	20.71
Mean	2.12	1.38	1.16	1.20	1.41	0.74	2.28	2.89	2.79	2.61	2.55	1.36	22.49

## SITKA, ALASKA

Lat. 57°3' N. Long. 135°19'W. H = 15 ft.

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	40.4	39.0	38.2	45.1	47.9	53.8	56.6	58.0	53.8	45.6	37.2	35.0	45.9
1932	32.6	31.6	38.9	43.7	48.3	...	53.3	56.6	50.5	47.0	37.2	32.8	*43.7
1933	30.4	33.6	35.6	38.6	47.0	50.2	54.2	55.5	50.6	42.2	40.8	19.1	41.5
1934	33.9	39.4	38.0	42.6	48.4	50.4	55.8	56.6	52.1	47.0	41.1	35.6	45.1
1935	31.3	40.1	33.6	43.1	46.4	53.3	54.6	54.9	52.9	42.5	38.8	40.0	44.3
1936	34.1	...	34.0	41.6	46.2	56.4	57.3	59.1	52.1	49.8	45.2	34.5	*45.4
1937	31.4	30.9	39.8	41.2	45.8	53.2	54.2	54.2	52.5	49.0	40.2	31.9	43.7
1938	35.2	30.2	36.8	42.0	45.4	48.9	52.6	55.0	55.3	48.6	40.7	36.0	43.9
1939	36.3	32.0	35.6	39.0	45.4	51.0	55.7	54.0	50.9	44.2	41.1	40.9	43.8
1940	39.0	37.0	39.2	45.8	48.6	53.0	58.0	56.8	54.2	48.2	38.2	38.4	46.4
Mean	34.5	34.9	37.0	42.3	46.9	52.2	55.2	56.1	52.5	46.4	40.0	34.4	44.4

TOTAL PRECIPITATION IN INCHES.  $h_r = 3$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	7.40	8.94	5.10	5.60	7.26	4.91	6.14	8.03	8.33	22.25	8.67	8.38	101.01
1932	7.85	8.94	1.83	2.22	5.54	8.95	7.87	4.48	17.07	9.87	11.68	5.15	91.45
1933	4.03	5.70	1.50	5.60	2.62	4.66	4.49	13.30	4.16	15.55	13.41	0.85	75.87
1934	9.21	8.85	5.52	7.04	2.82	2.37	2.16	6.16	6.35	15.11	4.74	6.50	76.83
1935	7.20	8.37	3.19	5.73	6.22	5.56	7.89	11.64	11.67	7.68	13.62	9.57	98.34
1936	7.36	...	9.63	9.65	3.53	0.51	5.88	3.71	13.37	19.87	25.85	13.65	*119.91
1937	8.67	4.98	4.35	6.03	4.13	3.64	7.36	13.08	11.04	26.65	6.49	7.55	103.97
1938	11.00	5.76	8.16	4.75	7.55	8.17	4.29	2.92	14.60	15.10	14.40	15.14	111.84
1939	12.18	7.85	7.55	3.90	3.32	2.84	5.02	18.74	19.17	22.96	14.47	12.49	130.49
1940	3.73	2.68	10.04	3.00	6.51	3.10	2.09	12.31	11.76	8.28	12.04	5.31	80.85
Mean	7.86	6.90	5.69	5.35	4.95	4.47	5.32	9.44	11.75	16.33	12.54	8.46	99.06

\* Normal value used for missing month.

TANANA, ALASKA

Lat. 65°10' N. Long. 152°6' W. H<sub>b</sub> = 220 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(1^b + 13^b)$ , 150th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.281	.286	.326	.662	.623	.551	.612	.660	.607	.370	.567	.478	.544
1932	.723	.796	.690	.578	.578	.588	.596	.626	.510	.580	.671	.634	.631
1933	.616	.884	.734	.674	.641	.646	.664	.578	.549	.672	.636	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	- 0.8	11.6	6.4	22.4	39.5	55.4	56.4	51.8	41.6	21.0	6.8	- 9.5	25.2
1932	-24.6	-22.1	9.3	28.7	43.6	55.0	58.2	50.8	39.2	23.2	-6.4	- 8.9	20.5
1933	-27.6	-11.4	1.9	30.0	45.0	51.6	56.4	52.4	39.8	19.4	5.5	-20.2	20.2
1934	-28.6	8.2	7.6	30.3	41.6	57.5	55.5	53.2	44.9	28.6	4.3	0.8	25.3
1935	- 9.4	- 0.6	5.0	23.9	39.0	55.2	60.0	49.6	40.4	23.6	1.5	-17.2	22.6
1936	- 2.8	-11.1	12.6	25.3	45.3	59.6	57.6	55.6	42.4	25.8	1.8	-17.6	24.5
1937	8.5	- 9.2	3.2	18.8	35.1	...	59.0	50.6	45.9	29.1	12.2	- 7.0	*22.4
1938	-14.0	- 9.3	6.7	28.4	44.3	55.8	58.3	53.4	46.8	33.5	8.0	- 1.2	25.8
1939	-11.6	- 3.0	2.7	30.5	44.8	59.4	60.6	53.6	40.6	21.4	-3.8	3.4	24.9
1940	- 0.7	1.6	10.3	41.0	48.0	59.4	60.6	56.4	43.4	28.1	8.1	- 3.2	29.4
Mean	-11.3	- 4.5	6.6	27.9	42.6	56.5	58.3	52.7	42.5	25.4	3.8	- 8.1	24.1

TOTAL PRECIPITATION IN INCHES. h<sub>t</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.47	0.41	0.14	0.36	0.64	0.93	1.75	3.39	2.78	1.47	2.80	1.67	16.81
1932	1.88	2.40	0.10	0.04	0.47	4.96	2.87	3.87	2.55	1.09	0.23	0.17	20.62
1933	0.87	0.45	0.22	0.09	0.83	1.31	1.02	1.79	1.04	0.52	0.67	0.05	8.86
1934	T	T	0.08	T	0.03	0.53	3.43	2.43	1.19	0.71	T	0.38	8.78
1935	0.37	1.05	2.16	0.45	0.64	1.10	1.88	3.00	2.05	2.64	3.12	T	18.46
1936	0.00	0.04	0.40	0.11	0.37	2.19	1.82	3.46	1.47	1.50	1.34	1.09	13.79
1937	4.92	0.45	T	0.39	...	...	1.68	3.97	1.23	T	0.28	0.09	*13.01
1938	0.18	1.00	0.46	T	0.42	0.39	3.14	5.93	2.16	0.49	...	0.25	*14.42
1939	0.14	0.31	0.11	0.01	0.25	1.22	2.34	2.16	0.72	0.49	0.23	T	7.98
1940	1.19	0.03	T	0.06	0.54	0.73	0.99	0.23	1.20	0.92	0.20	1.15	7.24
Mean	1.00	0.61	0.37	0.15	0.47	1.48	2.09	3.02	1.64	0.98	0.99	0.49	13.29

\* Normal values used for missing months.

## VALDEZ, ALASKA

Lat. 61°7' N. Long. 146°16' W.

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.7	27.0	22.8	34.2	38.0	44.5	50.9	53.8	46.6	36.0	25.8	20.0	<b>35.6</b>
1932	12.7	14.4	26.8	34.7	39.6	45.6	53.0	50.2	43.4	37.4	19.2	21.2	<b>33.2</b>
1933	17.0	22.0	26.0	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	48.8	55.0	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	52.4	47.0	34.4	26.4	21.8	...
1936	20.8	15.0	26.0	36.6	43.9	57.3	58.1	55.6	48.2	40.8	34.0	18.8	<b>37.9</b>
1937	22.6	19.6	27.5	37.6	44.4	51.9	52.6	52.3	48.6	42.5	27.6	19.5	<b>37.2</b>
1938	16.6	21.8	28.4	38.4	44.2	49.0	52.4	53.3	47.7	40.7	27.4	22.1	<b>36.8</b>
1939	22.1	23.4	23.9	32.8	43.4	50.2	51.8	48.9	46.6	33.8	24.2	24.4	<b>35.5</b>
1940	21.4	25.3	27.6	40.1	45.4	52.0	54.6	51.6	46.6	38.9	26.4	24.6	<b>37.9</b>
Mean	<b>20.1</b>	<b>21.1</b>	<b>26.1</b>	<b>36.3</b>	<b>42.7</b>	<b>49.9</b>	<b>53.5</b>	<b>52.3</b>	<b>46.8</b>	<b>38.1</b>	<b>26.4</b>	<b>21.5</b>	<b>*36.2</b>

TOTAL PRECIPITATION IN INCHES.  $h_r = 3$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.07	6.79	4.15	1.39	3.88	2.66	6.66	3.42	4.21	15.83	13.50	3.47	<b>74.03</b>
1932	6.07	6.93	0.40	1.76	3.59	4.58	3.27	17.41	11.51	10.10	...	1.58	<b>67.20</b>
1933	3.35	1.75	5.84	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	0.46	2.14	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	5.78	10.39	8.40	6.50	3.19	...
1936	5.75	1.29	2.26	0.60	4.64	0.94	3.59	4.04	3.63	17.23	13.79	7.48	<b>65.24</b>
1937	6.47	1.45	1.83	1.41	3.26	3.46	4.71	9.72	10.36	8.30	5.25	3.61	<b>59.83</b>
1938	4.09	4.90	1.38	1.78	4.55	4.36	2.88	3.68	13.69	10.58	5.65	5.36	<b>62.90</b>
1939	4.70	4.58	6.56	4.23	3.47	1.67	5.45	12.63	7.33	6.75	2.05	5.07	<b>64.49</b>
1940	5.91	1.32	2.50	1.96	3.96	3.46	2.32	5.50	12.00	6.25	7.25	5.26	<b>57.69</b>
Mean	<b>5.55</b>	<b>3.63</b>	<b>3.10</b>	<b>1.88</b>	<b>3.91</b>	<b>2.70</b>	<b>3.88</b>	<b>7.77</b>	<b>9.14</b>	<b>10.43</b>	<b>7.71</b>	<b>4.38</b>	<b>†64.08</b>

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

AKLAVIK, CANADA

Lat. 68°14' N. Long. 134°50' W. H<sub>0</sub> = 25 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(4^h + 16^h)$ , 135th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.92	.91	1.41	1.10	1.03	.89	.80	.89	.85	.69	.84	.82	.93
1932	1.10	1.02	1.26	1.10	.92	.88	.84	.82	.73	.98	1.19	.99	.99
1933	.93	1.80	1.20	1.05	1.12	.90	.85	.80	.82	.99	1.04	1.32	1.03
1934	1.04	1.04	1.18	1.00	.89	.98	.90	1.00	1.06	.75	.97	1.04	.99
1935	1.20	.97	1.24	1.21	1.07	.92	.86	.87	.94	.95	1.17	1.16	1.05
1936	1.23	1.50	1.00	1.12	...	...	.86	.87	1.03	.99	1.06	.94	...
1937	1.13	.97	1.12	.97	.93	.80	.90	.85	.90	.98	1.10	1.26	.99
1938	1.00	1.23	.77	1.01	.84	.75	.95	.95	.93	.94	.95	.97	.94
1939	.97	.99	...	...	...	...	...	...	...	...	...	...	...
1940	1.17	1.22	1.10	1.10	1.04	1.00	.95	.75	.77	.89	1.18	.96	1.01
Mean	1.07	1.11	1.14	1.07	.98	.89	.88	.87	.89	.91	1.06	1.05	*.99

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 4 ft.

Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-20.8	-16.0	-16.2	6.7	29.6	49.2	54.0	47.2	37.8	17.9	4.7	-13.7	15.0
1932	-24.3	-21.9	-4.8	12.5	36.2	50.2	57.5	50.3	39.7	18.0	-14.6	-14.0	15.4
1933	-25.1	-19.9	9.8	11.0	27.7	45.3	53.4	53.4	35.8	15.6	-10.8	-19.4	13.1
1934	...	-11.6	-12.4	6.5	29.2	46.7	52.5	47.0	33.7	22.9	3.9	4.0	...
1935	-19.7	-7.8	-13.6	1.6	23.9	44.5	55.3	44.2	35.4	18.9	-14.6	-22.4	12.1
1936	-27.3	-28.4	-8.5	7.9	...	...	52.8	53.2	32.6	11.5	-9.3	-25.3	...
1937	-6.1	-21.2	-6.5	5.2	26.0	50.3	55.2	47.4	40.1	21.8	3.6	-17.3	16.5
1938	-23.8	-15.6	-6.3	6.9	31.7	47.8	62.4	53.0	44.2	26.1	3.2	-11.9	18.1
1939	-23.1	-25.2	...	...	...	...	...	...	...	...	...	...	...
1940	-8.6	-10.2	-7.8	17.6	29.7	45.0	57.2	52.0	43.4	22.6	-1.5	-18.2	18.4
Mean	-19.9	-17.8	-9.5	8.4	29.1	47.4	55.6	49.7	33.1	19.5	-4.8	-16.2	*15.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 6 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.72	1.05	0.66	1.16	0.35	0.59	1.23	1.84	1.83	1.24	0.67	0.43	11.77
1932	0.59	0.49	0.07	0.01	0.71	1.99	1.93	2.60	0.49	0.54	1.24	0.17	10.83
1933	0.76	0.61	0.18	0.63	0.94	0.69	2.41	0.51	2.02	0.60	0.97	1.09	11.32
1934	1.00	0.62	1.20	0.46	0.74	...	1.58	0.35	1.21	0.91	0.46	T	...
1935	0.67	0.83	0.37	0.65	0.16	0.54	1.50	0.77	1.42	1.15	2.24	0.04	10.34
1936	0.51	0.64	0.34	1.22	...	...	1.24	1.13	0.68	2.93	0.60	0.36	...
1937	0.60	0.28	0.66	0.48	0.37	0.24	0.78	0.56	0.60	1.02	0.57	1.76	7.92
1938	0.74	0.97	0.14	0.74	0.74	1.40	0.92	1.44	0.91	0.28	0.90	0.27	9.46
1939	0.54	0.13	...	...	...	...	...	...	...	...	...	...	...
1940	0.05	0.01	...	0.01	0.02	0.30	0.53	0.19	0.54	0.07	0.06	0.03	...
Mean	0.62	0.56	0.45	0.60	0.50	0.82	1.35	1.04	1.08	0.97	0.86	0.45	†9.30

PRESSURE AT SEA LEVEL ‡

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.2	13.9	30.8	20.3	18.0	13.2	10.2	13.2	11.9	6.4	11.5	10.8	14.6
1932	20.3	17.6	25.7	20.3	14.2	12.9	11.5	10.8	7.8	16.3	23.4	16.6	16.6
1933	14.6	27.1	23.7	18.6	21.0	13.5	11.9	10.2	10.8	16.6	18.3	27.8	18.0
1934	18.3	18.3	23.0	16.9	13.2	16.3	13.5	16.9	19.0	8.5	15.9	18.3	16.6
1935	23.7	15.9	25.1	24.0	19.3	14.2	12.2	12.5	14.9	15.2	22.7	22.4	18.6
1936	24.7	33.9	16.9	21.0	...	...	12.2	12.5	18.0	16.6	19.0	14.9	...
1937	21.3	15.9	21.0	15.9	14.6	10.2	13.5	11.9	13.5	16.3	20.3	25.7	16.6
1938	16.9	24.7	9.1	17.3	11.5	8.5	15.2	15.2	14.6	14.9	15.2	15.9	14.9
1939	15.9	16.6	...	...	...	...	...	...	...	...	...	...	...
1940	22.7	24.4	20.3	20.3	18.3	16.9	15.2	8.5	9.1	13.2	23.0	15.6	17.3
Mean	19.3	20.7	21.7	19.3	16.3	13.2	12.9	12.5	13.2	13.9	19.0	18.6	*16.7

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

‡ See NOTES, p. 38.

## ANTICOSTI, CANADA

Lat. 49°24' N. Long. 63°33' W. H<sub>b</sub> = 30 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^h + 20^h)$ , 60th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.69	.86	.98	.86	.88	.89	.80	.92	.82	.85	.88	.79	.85
1932	.94	.83	.48	.77	.86	.71	.63	.86	.94	.87	1.08	.90	.82
1933	.81	.69	.76	.96	.79	.79	.88	.90	.75	.97	.73	.84	.82
1934	.91	.86	1.02	.99	.83	.89	.80	.87	1.07	.86	1.01	.74	.90
1935	.96	.80	.80	.83	.74	.92	.85	...	.87	1.01	1.13	.74	...
1936	.72	.76	.96	.84	.89	.80	.73	.87	.95	.84	.76	1.02	.84
1937	1.05	.84	.56	.91	.94	.85	.82	.93	.89	.89	.86	.92	.87
1938	.91	1.09	.88	.95	.86	.84	.86	.85	.90	.96	.94	.88	.91
1939	.69	.94	.91	.83	.86	.86	.85	.90	.86	.84	.84	.58	.83
1940	.73	.75	.74	.91	.96	.76	.87	.97	.86	.86	.87	.91	.85
Mean	.84	.84	.81	.88	.86	.83	.81	.90	.89	.90	.91	.83	*.86

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.2	17.6	27.9	31.0	38.2	50.4	58.9	56.4	48.5	42.1	36.2	21.3	37.0
1932	18.3	8.1	24.0	33.6	42.3	49.6	52.8	58.3	52.0	42.7	29.6	20.4	36.0
1933	17.3	18.8	21.0	31.8	37.0	47.9	56.1	54.5	47.6	41.0	23.2	10.5	33.9
1934	8.3	5.6	15.3	30.9	39.3	48.2	56.7	56.3	55.3	40.6	33.4	19.6	34.1
1935	9.9	10.1	18.5	33.3	40.2	53.8	57.4	...	46.4	42.1	32.6	25.4	...
1936	20.4	14.5	28.4	31.8	38.6	50.1	56.6	56.3	49.8	39.4	27.5	20.8	36.2
1937	13.4	18.1	24.3	34.3	42.8	52.0	61.8	61.4	51.6	42.3	33.2	22.2	38.1
1938	16.7	10.2	19.1	31.6	41.7	55.0	59.9	60.4	51.0	...	...	...	...
1939	17.6	9.9	15.8	30.9	39.0	46.9	60.2	57.8	50.5	41.2	30.3	25.2	35.4
1940	18.2	16.6	25.6	32.4	42.1	49.7	59.1	58.6	51.5	40.6	32.4	17.6	37.0
Mean	15.5	13.0	22.0	32.2	40.1	50.4	58.0	57.8	50.4	41.3	30.9	20.3	*36.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.78	0.90	0.72	1.74	1.80	3.10	3.86	1.59	3.10	4.12	2.13	4.34	30.13
1932	3.35	1.73	2.13	2.55	1.29	2.91	5.51	4.20	3.23	3.58	2.45	1.84	34.77
1933	2.50	2.86	1.82	1.74	2.79	2.23	2.13	1.56	6.53	7.06	4.72	2.38	38.32
1934	1.60	2.59	1.88	4.39	3.24	3.98	2.20	4.43	2.75	2.44	2.36	2.81	34.67
1935	1.32	0.62	2.27	1.00	1.06	1.66	2.49	...	1.44	1.54	3.42	1.16	...
1936	2.90	1.28	5.12	1.46	2.28	5.86	6.38	1.42	2.52	3.64	3.03	2.95	38.84
1937	1.78	0.74	1.70	1.63	2.39	4.01	1.23	1.50	2.24	1.30	3.12	1.72	23.36
1938	1.76	1.06	1.08	2.38	1.90	3.02	4.09	3.73	2.60	...	...	...	...
1939	1.10	1.22	1.87	1.43	1.44	1.68	6.23	3.69	5.78	4.26	3.90	2.49	35.09
1940	8.10	2.21	2.65	2.95	1.53	1.51	1.73	1.82	4.26	2.26	3.11	1.71	33.84
Mean	2.72	1.52	2.12	2.13	1.97	3.00	3.58	2.66	3.44	3.36	3.14	2.38	†32.02

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	6.4	12.5	16.3	12.2	13.2	13.2	10.2	14.9	11.2	11.9	13.2	9.8	11.9
1932	14.9	11.2	†99.3	9.1	12.2	7.1	4.4	12.2	15.2	12.5	20.0	13.9	11.2
1933	10.5	6.8	8.8	15.9	9.8	9.8	12.9	13.5	8.8	15.9	8.1	11.9	11.2
1934	13.9	12.2	17.6	16.6	11.2	13.2	10.2	12.5	19.6	12.2	17.6	8.1	13.9
1935	15.6	10.1	10.1	11.2	8.1	14.6	12.2	...	12.5	17.3	21.3	8.1	...
1936	7.8	8.8	15.6	11.5	13.2	10.5	7.8	12.9	15.2	11.9	8.8	18.0	11.9
1937	19.0	11.9	2.4	13.9	14.9	11.9	10.8	14.6	13.5	13.2	12.2	14.2	12.5
1938	14.2	20.0	12.9	15.2	12.2	11.9	12.5	11.9	13.5	15.6	14.9	12.9	13.9
1939	6.4	15.2	13.9	11.2	12.2	12.2	11.9	13.5	12.2	11.9	11.9	2.7	11.2
1940	7.8	8.5	8.1	13.9	15.6	8.8	12.5	15.9	12.2	12.2	12.5	13.9	11.9
Mean	11.5	11.9	10.5	13.2	12.2	11.2	10.5	13.5	13.5	13.5	13.9	11.2	12.2

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

‡ 900 mb. +.

## BARKERVILLE, CANADA

Lat. 53°2' N. Long. 121°35' W. H = 4,180 ft.

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.1	26.0	24.8	40.0	43.6	44.4	54.7	54.6	44.3	38.2	22.8	19.8	36.6
1932	13.6	17.6	23.4	35.2	44.1	52.4	50.1	54.0	44.5	34.2	32.8	19.6	35.1
1933	20.6	18.0	25.5	33.6	41.6	46.0	52.3	53.0	40.6	30.2	27.4	8.8	33.1
1934	21.5	25.8	28.2	43.8	46.5	47.6	52.0	51.6	40.8	32.6	26.5	11.5	35.7
1935	10.6	23.8	17.2	30.0	43.6	45.9	53.5	49.2	46.9	37.6	24.4	25.6	34.0
1936	13.8	-2.8	20.8	33.1	43.0	46.0	55.2	55.2	41.8	36.1	26.8	16.2	32.5
1937	-2.4	11.0	28.7	34.5	43.6	55.6	57.7	51.0	49.0	39.4	24.8	18.6	34.3
1938	21.6	18.2	27.2	38.1	45.4	52.3	58.8	48.7	48.8	39.3	24.8	17.6	36.7
1939	21.8	15.0	24.6	35.6	42.3	48.3	56.1	58.0	42.2	33.2	31.4	27.0	36.3
1940	15.5	18.7	30.8	36.9	43.7	48.4	52.9	50.6	48.9	37.1	18.6	23.6	35.5
Mean	16.3	17.1	25.1	36.1	44.2	48.7	54.3	52.6	44.8	35.8	26.0	18.8	35.0

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.60	2.80	4.37	1.15	2.31	6.27	4.16	1.37	5.47	4.06	4.65	1.25	38.46
1932	4.20	5.28	2.55	3.20	3.13	0.47	4.50	2.25	1.26	1.69	7.55	4.35	40.48
1933	5.55	6.80	1.56	3.52	2.03	2.64	2.78	1.22	2.75	3.96	7.35	6.80	46.96
1934	7.10	1.43	3.54	1.34	2.50	4.46	3.36	1.33	3.90	2.10	3.95	4.80	39.81
1935	7.31	2.50	5.97	0.10	2.15	3.36	3.20	3.40	2.25	3.34	4.95	3.40	41.93
1936	5.83	2.40	9.10	2.43	2.10	6.70	3.50	3.60	3.45	1.90	3.10	2.50	46.61
1937	2.60	1.90	2.20	1.92	2.41	4.21	3.67	6.75	2.20	3.66	4.40	1.80	37.72
1938	2.85	1.70	3.25	0.31	2.34	3.74	1.74	1.85	2.42	2.99	5.15	9.65	37.99
1939	10.45	12.45	1.57	2.48	4.17	4.29	3.73	2.30	3.62	4.58	3.26	1.69	54.59
1940	2.76	1.20	3.69	2.34	3.11	4.34	5.02	3.68	1.66	4.23	5.75	3.05	40.83
Mean	4.92	3.85	3.78	1.88	2.63	4.05	3.57	2.77	2.90	3.25	5.01	3.93	42.54

### BELLA COOLA, CANADA

Lat. 52°20' N. Long. 126°52' W. H = 10 ft.  
 TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.  
 Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	37.2	36.1	38.4	48.0	51.5	57.6	60.8	...	52.8	43.6	32.7	32.4	...
1932	29.2	31.4	37.4	46.0	50.6	56.9	59.0	62.1	54.4	48.1	38.8	28.8	45.2
1933	33.5	31.6	37.1	44.1	51.8	54.2	57.6	63.8	52.4	42.7	45.0	23.8	44.8
1934	33.8	38.0	42.3	51.2	54.2	58.7	60.2	63.0	55.0	47.8	40.0	28.9	47.3
1935	22.6	37.4	36.4	44.9	52.8	58.0	62.6	60.9	56.6	45.8	34.4	37.0	45.8
1936	30.2	19.4	36.4	47.4	54.8	60.9	60.8	62.9	54.4	50.8	40.2	29.6	45.6
1937	19.3	26.0	40.3	45.4	51.0	60.6	60.6	58.0	57.0	49.4	37.4	30.6	44.6
1938	31.8	29.8	39.8	48.0	53.2	59.5	65.4	60.7	57.3	48.0	35.5	29.4	46.6
1939	33.4	29.5	37.6	44.2	51.0	57.2	59.8	60.2	54.5	46.8	42.2	37.9	46.2
1940	35.0	35.8	42.7	50.1	54.0	57.6	61.8	59.1	55.2	47.8	32.8	32.7	47.0
Mean	30.6	31.5	38.8	46.9	52.5	58.1	60.9	61.2	55.0	47.1	37.9	31.1	*46.0

### TOTAL PRECIPITATION IN INCHES. $h_r = 1$ ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6.21	4.97	5.93	5.14	2.16	1.68	1.77	3.02	5.52	5.33	9.25	2.90	53.88
1932	9.96	13.82	4.43	1.78	2.62	0.69	3.12	3.12	6.07	8.53	15.42	10.53	80.09
1933	13.25	7.07	3.66	3.31	1.54	2.29	1.28	0.27	7.80	10.82	11.06	11.19	73.54
1934	11.02	4.78	7.86	2.19	3.30	1.40	2.53	0.70	6.20	13.54	10.22	4.81	68.55
1935	8.82	4.24	5.96	1.92	1.33	2.43	2.45	1.57	2.93	9.06	8.00	5.82	54.53
1936	5.31	4.20	9.81	6.32	1.97	1.79	3.82	1.99	6.14	4.53	17.98	13.06	76.92
1937	2.30	5.52	2.16	4.14	2.25	2.65	1.44	6.25	1.25	9.04	6.79	9.00	52.79
1938	5.43	1.21	7.27	1.09	2.86	0.66	0.60	1.38	2.82	8.51	15.26	12.95	60.04
1939	7.20	4.64	10.85	6.51	2.53	1.64	1.98	2.78	4.80	7.65	20.50	15.46	86.54
1940	2.92	3.09	7.21	4.90	2.07	1.80	1.55	4.48	1.05	10.72	4.34	5.20	49.33
Mean	7.24	5.35	6.51	3.73	2.26	1.70	2.05	2.56	4.46	8.77	11.83	9.09	65.62

\*Mean of 12 monthly means.



BELLE ISLE, NEWFOUNDLAND

Lat. 51°53' N. Long. 55°22' W. H<sub>0</sub> = 426 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(8^h + 20^h)$ , 60th meridian W.

28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.13	1.39	1.53	1.42	1.38	1.46	1.38	1.48	1.34	1.40	1.31	1.19	1.37
1932	1.33	1.22	1.02	1.45	1.45	1.38	1.30	1.50	1.58	1.38	1.58	1.38	1.38
1933	1.32	1.27	1.32	1.59	1.28	1.37	...	...	...	...	1.16	1.18	...
1934	1.34	1.29	1.45	1.60	1.41	1.33	1.35	1.39	1.58	1.37	1.49	.99	1.38
1935	1.35	1.19	1.12	1.23	1.20	1.52	1.39	...	1.36	1.50	1.63	1.10	...
1936	1.16	1.20	1.54	1.37	1.42	1.41	1.36	1.43	1.43	1.38	1.32	1.46	1.37
1937	1.37	1.34	1.16	1.44	1.52	1.48	1.41	1.49	1.47	1.43	1.41	1.43	1.41
1938	1.32	1.45	1.35	1.49	1.39	1.44	1.49	1.42	1.46	1.43	1.35	1.31	1.41
1939	1.10	1.32	1.29	1.30	1.38	1.39	1.49	1.49	1.38	1.39	1.22	1.05	1.32
1940	1.12	1.08	1.36	1.45	1.52	1.39	1.44	1.49	1.48	1.30	...	...	...
Mean	1.25	1.28	1.31	1.43	1.40	1.42	1.40	1.46	1.45	1.40	1.39	1.23	*1.37

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.3	17.5	25.3	30.9	34.9	42.5	49.1	49.9	45.0	38.2	29.7	19.1	33.2
1932	10.3	6.2	23.4	31.0	35.5	41.3	50.7	53.6	49.2	41.2	28.7	17.0	32.3
1933	12.2	20.2	19.8	28.9	31.7	38.8	...	...	...	...	21.2	8.4	...
1934	5.3	8.8	13.3	32.6	31.5	40.7	48.0	50.6	48.1	38.5	29.0	19.7	30.5
1935	9.1	6.3	17.0	28.3	33.6	43.3	47.6	...	44.8	36.9	26.6	25.5	...
1936	18.2	15.2	24.7	27.9	32.5	44.2	50.4	50.2	43.2	35.5	25.6	17.1	32.1
1937	4.2	15.0	22.2	26.4	35.1	44.6	49.6	52.3	48.2	37.8	30.4	22.4	32.4
1938	13.6	5.0	15.2	25.9	34.4	44.6	49.2	51.8	46.3	38.7	26.8	21.4	31.1
1939	15.6	6.9	10.6	27.5	32.6	39.2	50.2	49.7	45.2	35.6	28.2	23.8	30.4
1940	19.5	13.5	24.0	29.0	34.2	40.4	50.7	51.8	46.2	35.9	...	...	...
Mean	12.4	11.5	19.6	28.8	33.6	42.0	49.5	51.2	46.2	37.6	27.4	19.4	*31.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	2.08	1.77	5.60	2.97	...	...	...
1932	...	...	...	...	...	1.69	1.63	...	3.57	2.19	...	...	...
1933	...	...	...	...	...	2.94	...	...	...	...	3.02	4.99	...
1934	1.06	4.39	2.66	2.61	1.83	8.42	3.67	3.06	1.73	4.50	4.02	5.40	43.35
1935	2.71	1.50	5.30	4.92	4.16	0.69	2.38	...	2.14	1.95	0.64	0.94	...
1936	0.60	0.90	0.94	1.11	1.67	7.21	4.60	2.31	2.44	2.87	2.52	3.74	30.91
1937	1.12	1.97	1.95	0.57	3.88	2.60	1.01	1.77	4.17	1.94	3.58	3.62	23.18
1938	...	3.72	1.65	3.50	1.83	2.34	3.18	2.91	2.51	2.25	4.45	5.88	...
1939	2.97	4.50	7.52	6.46	3.49	6.28	4.73	1.82	3.34	3.33	6.20	2.05	52.69
1940	2.22	1.56	1.77	1.50	2.62	3.23	1.55	2.41	4.55	4.60	...	...	...
Mean	1.78	2.65	3.11	2.95	2.78	3.94	2.76	2.29	3.34	2.96	3.49	3.80	†35.85

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	3.1	11.9	16.6	12.5	11.2	13.5	10.5	14.2	9.5	11.5	8.8	5.1	10.8
1932	10.2	6.4	†99.3	13.5	13.2	10.8	7.8	14.9	17.6	10.8	18.3	11.5	11.2
1933	9.8	7.8	9.5	18.3	7.8	10.5	...	...	...	...	3.7	5.1	...
1934	10.5	9.1	14.2	18.6	12.2	9.1	9.5	10.8	17.3	10.5	14.9	†98.3	11.2
1935	10.8	5.4	3.4	6.4	6.1	15.6	11.9	...	10.5	15.2	20.0	1.7	...
1936	4.1	5.4	17.3	10.8	12.9	11.5	9.8	12.2	12.5	11.2	9.5	14.6	10.8
1937	11.9	10.5	3.7	13.5	16.9	14.2	11.5	14.2	13.2	12.5	12.2	13.2	12.3
1938	9.8	13.9	10.8	15.2	11.9	12.9	14.2	11.9	13.2	12.5	10.5	9.1	12.2
1939	2.0	9.8	8.8	8.5	11.2	11.2	14.2	13.9	10.5	11.2	6.1	0.3	9.1
1940	2.7	1.7	10.8	13.5	15.6	11.2	12.5	14.6	14.2	8.1	...	...	...
Mean	7.5	8.1	9.5	13.2	11.9	12.2	11.2	13.2	13.2	11.5	11.5	6.4	*10.8

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

‡ 900 mb. +.

## CALGARY, CANADA

Lat. 50°2' N. Long. 114°2' W. H<sub>b</sub> = 3,389 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h 30^m + 17^h 30^m)$ , 105th meridian W.  
26 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.35	.36	.47	.45	.30	.29	.39	.42	.30	.32	.30	.15	.34
1932	.24	.15	.36	.27	.32	.34	.33	.35	.43	.39	.30	.26	.31
1933	.03	.25	.29	.37	.29	.32	.40	.46	.24	.38	.41	.23	.30
1934	.31	.48	.49	.45	.39	.42	.45	.53	.46	.42	.30	.42	.43
1935	.37	.49	.25	.39	.43	.38	.46	.45	.47	.46	.47	.39	.42
1936	.32	.37	.29	.43	.37	.42	.41	.49	.45	.48	.57	.28	.41
1937	.36	.25	.45	.26	.40	.44	.47	.42	.53	.44	.41	.36	.40
1938	.38	.45	.19	.40	.41	.43	.50	.46	.50	.43	.30	.36	.40
1939	.26	.35	.39	.44	.39	.44	.43	.49	.44	.40	.42	.31	.40
1940	.51	.35	.35	.46	.44	.46	.50	.47	.50	.40	.49	.29	.43
Mean	.31	.35	.35	.39	.37	.39	.43	.45	.43	.41	.40	.30	.38

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	31.1	32.5	26.2	40.2	49.8	57.2	61.7	61.3	50.8	43.7	23.8	22.0	41.7
1932	13.9	16.1	16.8	40.9	49.4	57.5	60.3	60.5	52.1	37.2	27.3	18.7	37.6
1933	16.5	15.6	26.9	34.7	48.5	59.1	62.2	61.5	49.0	36.6	35.5	3.1	37.4
1934	26.9	29.1	27.6	46.3	55.3	54.0	61.3	60.6	45.7	42.9	32.8	19.5	41.8
1935	7.3	30.6	19.6	32.0	46.4	54.2	62.0	56.2	51.7	38.8	21.0	25.7	37.1
1936	8.7	12.0	25.4	36.9	55.8	57.5	67.2	61.8	49.7	45.1	36.7	16.1	37.4
1937	0.5	10.7	26.2	41.2	50.5	57.4	62.6	57.2	52.3	44.8	22.8	16.4	36.9
1938	22.6	5.9	30.8	39.2	49.0	58.0	63.0	57.7	60.8	45.6	27.4	22.2	40.2
1939	24.6	5.1	22.1	41.6	52.2	49.8	62.2	61.1	51.8	36.5	40.1	30.0	39.8
1940	10.6	12.6	26.9	34.4	53.1	56.2	61.3	61.6	55.7	44.9	19.2	26.0	38.5
Mean	16.3	14.6	24.8	38.7	51.0	56.1	62.4	60.0	52.0	41.6	23.6	20.0	38.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.05	0.15	1.93	1.11	0.56	2.17	1.60	0.46	1.71	0.23	0.32	1.55	11.84
1932	0.40	0.43	1.06	3.87	3.40	4.72	2.15	1.80	1.21	0.85	0.80	0.34	21.03
1933	0.42	0.40	0.20	2.22	2.08	1.12	0.52	2.74	0.20	1.20	0.50	1.23	12.97
1934	0.22	0.24	1.42	0.62	0.60	4.02	2.22	1.38	2.23	0.56	0.26	0.26	14.03
1935	1.19	0.54	0.94	1.62	3.02	3.69	1.92	1.92	0.38	1.83	0.32	0.44	17.81
1936	0.65	0.26	0.54	0.64	2.16	1.47	0.13	1.51	1.13	0.67	0.14	0.33	9.63
1937	1.69	0.22	1.66	1.45	1.83	3.22	3.18	1.98	2.56	0.81	1.28	0.30	20.18
1938	0.15	0.69	0.79	0.75	3.44	2.58	3.06	1.87	0.82	0.97	1.07	0.52	16.71
1939	0.31	0.63	1.64	1.09	1.42	7.98	0.67	0.51	1.50	2.97	0.23	0.13	19.08
1940	0.24	0.88	0.82	3.54	1.08	1.79	4.03	0.20	2.93	1.60	0.50	0.34	17.95
Mean	0.53	0.44	1.10	1.69	1.96	3.27	1.95	1.44	1.47	1.18	0.54	0.55	16.12

\* Present height 3,540 feet. A correction of +0.12 in. was added in order to reduce observed pressure values to level of earlier observations.

## CAPE MAGDALEN, CANADA

Lat. 49°16' N. Long. 65°20' W. H = 93 ft.

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.56	0.64	1.92	1.70	1.41	3.05	4.43	1.49	4.80	2.60	1.28	4.39	<b>31.27</b>
1932	4.72	2.50	3.15	1.47	0.50	3.17	3.04	4.04	2.86	7.59	2.25	4.22	<b>39.51</b>
1933	3.56	1.93	3.67	1.58	1.63	3.76	1.99	1.24	7.04	5.24	2.10	2.58	<b>36.32</b>
1934	5.60	2.20	0.63	1.29	1.81	3.33	2.40	3.31	1.63	3.35	1.02	2.03	<b>28.70</b>
1935	2.06	0.62	6.33	2.15	0.76	1.60	1.89	2.23	1.23	2.01	0.84	1.74	<b>23.46</b>
1936	3.28	1.17	...	1.56	2.90	6.26	5.59	1.21	0.61	1.41	1.09	1.11	...
1937	1.57	1.98	3.08	0.24	1.83	4.88	3.48	5.53	4.30	2.31	1.87	2.74	<b>33.31</b>
1938	3.11	2.30	1.52	2.49	2.22	2.65	5.28	3.74	2.56	1.35	...	1.86	...
1939	1.85	3.91	2.70	0.94	1.43	1.94	5.89	4.65	4.11	3.16	0.72	0.47	<b>31.77</b>
1940	1.60	2.50	4.55	1.98	1.90	3.70	2.17	1.75	4.09	1.95	4.77	2.35	<b>33.31</b>
Mean	3.09	1.98	3.06	1.54	1.64	3.43	3.62	2.92	3.33	3.10	1.77	2.35	<b>*31.83</b>

\* Sum of 12 monthly means.

## CAPE RACE, NEWFOUNDLAND

Lat. 46°31' N. Long. 53°4' W. H = 99 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.64	.64	.69	.83	.81	.82	.84	.88	.75	.80	.87	.59	.76
1932	.78	.61	.42	.80	.84	.84	.82	.94	1.00	.96	1.06	.87	.83
1933	.73	.65	.63	.90	.69	.82	.90	.92	.82	1.02	.69	.73	.79
1934	.81	.83	.99	.98	.91	.74	.83	.93	.80	.82	.80	.47	.83
1935	.87	.70	.56	.67	.66	.60	.92	.90	.76	1.00	1.04	.52	.77
1936	.57	.70	.98	.85	.90	.94	.81	.90	.88	.97	.82	1.02	.86
1937	.92	.63	.58	.84	.97	.92	.86	.97	.99	.96	.94	.81	.87
1938	.87	.78	.75	.97	.81	.91	.97	.88	.93	.80	.86	.74	.86
1939	.60	.86	.75	.76	.82	.78	.94	.96	.86	.87	.73	.53	.79
1940	.47	.42	.66	.82	.93	.84	.86	.94	.94	.75	.83	.78	.77
Mean	.73	.68	.70	.84	.83	.82	.88	.92	.87	.90	.86	.71	.81

TEMPERATURE IN DEGREES F.  $h_t = 2$  ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	29.9	30.2	31.8	38.0	40.5	43.2	55.8	57.8	55.3	45.9	38.9	29.6	41.4
1932	24.8	19.3	28.7	35.3	38.8	45.1	52.7	57.7	55.9	...	...	...	...
1933	...	...	...	...	...	...	53.5	55.3	52.6	48.9	35.9	24.2	...
1934	20.9	24.8	27.0	34.8	40.7	45.2	54.6	56.2	55.0	47.8	40.9	23.2	39.7
1935	26.1	22.7	23.7	31.7	38.6	48.2	53.6	57.9	52.3	44.9	40.7	33.3	39.5
1936	27.7	23.9	33.2	34.8	39.5	48.7	52.2	55.2	51.7	45.3	39.6	30.0	40.2
1937	23.3	27.8	27.5	32.1	40.6	51.4	56.1	60.9	56.8	46.8	36.6	32.2	41.0
1938	23.6	19.9	25.0	32.2	38.1	47.8	53.6	60.4	57.2	47.8	38.8	31.8	39.7
1939	23.6	21.4	22.9	32.0	37.7	43.0	51.2	55.6	52.4	46.4	35.3	32.7	37.8
1940	26.5	25.4	32.1	33.8	40.2	46.6	53.8	55.4	54.6	44.1	35.8	27.6	39.7
Mean	25.2	23.9	28.0	33.9	39.4	46.6	53.7	57.2	54.4	46.4	38.1	29.9	*39.7

TOTAL PRECIPITATION IN INCHES.  $h_r = 4\frac{1}{2}$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.06	8.09	2.57	6.08	5.40	4.45	2.44	2.75	5.14	2.95	3.94	6.75	58.62
1932	3.74	3.48	7.42	5.13	5.06	2.02	6.57	1.93	3.70	2.77	3.75	3.35	48.92
1933	4.97	4.12	2.71	3.64	3.26	3.11	2.78	9.11	2.94	4.03	7.75	4.78	53.20
1934	4.51	5.23	4.11	2.47	3.52	2.82	3.54	5.99	1.27	7.10	4.09	4.27	48.92
1935	4.23	5.23	3.49	3.85	4.92	6.40	2.88	4.65	11.46	6.21	6.34	4.33	63.99
1936	5.18	3.08	3.37	5.85	7.09	3.54	3.78	6.21	5.32	6.27	8.48	4.40	62.52
1937	7.26	2.64	5.56	3.06	2.55	8.82	3.47	3.13	6.28	5.37	2.23	9.79	60.16
1938	6.01	4.09	3.15	7.28	4.66	3.30	3.95	5.30	2.99	6.72	6.48	7.86	61.79
1939	5.09	3.39	5.10	5.32	5.43	3.33	4.34	5.53	3.05	8.43	2.10	4.37	55.43
1940	2.09	6.24	5.68	5.15	4.42	2.67	3.79	5.30	3.27	5.32	4.97	3.60	52.50
Mean	5.11	4.56	4.32	4.78	4.63	4.05	3.75	4.99	4.54	5.52	5.01	5.35	56.61

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	7.5	7.5	9.1	13.9	13.2	13.5	14.2	11.2	12.9	12.9	15.2	5.8	11.5
1932	12.5	6.4	0.0	12.9	14.2	13.2	13.5	17.6	19.6	18.3	22.0	15.2	13.9
1933	10.5	7.8	7.5	16.6	9.1	13.5	16.3	17.3	13.5	20.3	9.1	10.5	12.5
1934	13.2	13.9	19.6	19.0	16.6	10.8	13.9	17.3	12.9	13.5	12.9	1.7	13.9
1935	15.2	9.5	0.7	8.5	8.1	6.1	16.9	16.3	11.5	19.6	21.0	3.4	11.9
1936	5.1	9.8	19.0	14.9	16.6	17.6	13.2	16.3	15.2	18.6	13.2	20.3	14.9
1937	16.9	7.1	5.4	14.2	18.6	16.9	14.9	18.6	19.3	21.7	17.6	13.5	15.2
1938	15.2	12.2	11.2	18.6	13.2	16.6	18.6	15.6	17.3	13.2	14.9	11.2	14.9
1939	6.1	14.9	11.2	11.5	13.9	12.2	17.6	18.3	14.9	15.2	10.5	3.7	12.5
1940	1.7	0.0	8.5	13.9	17.6	14.2	18.3	17.6	17.6	11.2	13.9	12.2	12.2
Mean	10.5	8.8	9.5	14.2	14.2	13.5	15.6	16.6	15.6	16.3	14.9	9.8	13.2

\* Mean of 12 monthly means.

## CHARLOTTETOWN, CANADA

Lat. 46°14' N. Long. 63°10' W. H<sub>b</sub> = 44.6 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^h 45^m + 20^h 45^m)$ , 60th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.74	.81	.87	.89	.89	.88	.85	.93	.85	.87	.89	.80	.86
1932	.97	.84	.49	.79	.91	.78	.71	.92	.98	.95	1.13	.99	.87
1933	.85	.74	.74	.98	.84	.82	.94	.96	.81	1.00	.80	.90	.87
1934	.96	.89	1.07	.99	.89	.83	.86	.93	1.12	.86	1.13	.76	.94
1935	.95	.85	.82	.80	.78	.91	.91	.89	.89	1.07	1.08	.70	.89
1936	.73	.87	.97	.86	.90	.85	.78	.93	1.00	.98	.87	1.16	.91
1937	1.16	.87	.68	.98	.95	.89	.89	1.00	.97	.97	.93	.94	.94
1938	.99	1.09	.93	.98	.85	.90	.93	.89	.97	1.01	1.00	.91	.95
1939	.78	1.00	.94	.86	.91	.90	.89	.97	.92	.90	.92	.63	.89
1940	.76	.75	.75	.90	.97	.80	.95	1.02	.90	.91	.93	.98	.89
Mean	.89	.87	.83	.90	.89	.86	.87	.94	.94	.95	.97	.88	.90

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	19.5	21.9	31.5	40.0	50.0	56.5	69.0	66.3	56.9	49.4	41.9	26.2	44.1
1932	25.1	14.6	26.0	37.0	48.5	58.3	64.6	67.3	59.7	50.8	37.1	29.2	43.2
1933	25.4	25.0	25.7	37.6	47.6	57.6	65.4	66.4	58.3	49.7	29.8	16.3	42.1
1934	14.0	11.9	26.0	39.6	49.2	49.7	66.8	65.1	62.8	47.4	39.0	19.1	40.9
1935	15.7	13.9	21.9	34.7	46.6	60.6	66.7	68.2	55.1	47.6	41.2	25.5	41.5
1936	21.6	16.0	35.4	38.2	47.3	60.5	63.8	63.4	56.6	46.4	34.6	26.8	42.6
1937	21.7	21.9	25.5	37.5	51.6	60.3	68.2	70.4	60.5	48.1	37.6	26.4	44.1
1938	18.2	14.3	21.9	37.8	48.2	63.1	66.9	67.8	58.2	49.6	39.0	28.4	42.8
1939	19.0	17.0	21.0	35.0	45.8	56.6	67.5	69.4	58.2	48.1	34.8	27.2	41.6
1940	16.4	18.8	27.6	35.8	49.8	57.2	67.6	64.8	59.2	44.8	37.4	22.8	41.8
Mean	19.7	17.5	26.3	37.3	48.5	58.0	66.6	66.9	58.6	48.2	37.2	24.8	42.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1½ ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.92	5.22	2.64	1.88	1.12	3.32	2.04	2.79	3.76	2.19	1.29	5.23	36.40
1932	5.54	2.97	3.56	2.74	1.16	1.08	3.93	1.28	2.23	2.27	2.49	1.74	30.99
1933	3.77	2.91	4.22	1.22	1.67	2.38	0.42	3.08	3.70	4.62	4.57	5.24	37.80
1934	3.03	4.23	3.66	2.48	2.83	1.65	3.22	4.55	1.49	1.76	4.63	4.49	38.02
1935	6.70	4.52	2.21	2.87	1.29	3.00	1.79	7.70	6.20	2.49	6.48	5.04	50.29
1936	5.81	2.01	4.03	3.97	5.53	2.09	4.23	2.78	4.89	4.64	4.65	6.25	50.88
1937	4.24	3.00	2.36	2.04	3.74	4.91	0.79	2.11	3.59	5.30	6.63	6.68	45.39
1938	2.45	3.81	2.79	3.85	2.71	2.47	5.08	2.94	4.24	2.35	3.70	4.84	41.23
1939	2.51	2.82	4.72	4.45	4.51	1.18	2.65	1.54	4.04	8.85	1.43	3.99	42.69
1940	1.94	2.79	3.01	3.18	4.95	2.77	3.28	1.78	8.05	3.43	5.30	5.28	45.76
Mean	4.09	3.43	3.32	2.87	2.95	2.48	2.74	3.05	4.22	3.79	4.12	4.88	41.94

\* See NOTES, p. 39.

## CHESTERFIELD INLET, CANADA

Lat. 63°20' N. Long. 90°43' W. H<sub>b</sub> = 13 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h 15^m + 18^h 15^m)$ , 90th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.80	.99	1.27	1.18	1.05	.78	.78	.84	.92	.81	.71	.81	.91
1932	1.02	.90	1.07	1.17	.92	.96	.83	.79	.66	.76	.88	.58	.88
1933	.71	.80	1.14	1.14	.98	.90	.78	.77	.85	.96	.85	.98	.90
1934	.84	.97	.92	.94	.98	.91	.76	.68	.87	.82	1.00	.93	.89
1935	1.01	.84	1.04	1.19	1.27	.95	.73	.74	.80	.77	.91	.97	.94
1936	.93	1.05	.94	.82	.99	.83	.93	.77	.66	.78	.75	.90	.86
1937	.79	.95	1.13	1.04	.93	.84	.70	.69	.70	.89	1.03	1.06	.90
1938	.85	1.10	.80	.93	1.02	...	.78	.72	.78	.70	.75	.77	...
1939	.78	.86	1.04	1.00	1.09	.91	.64	.84	.72	.82	.94	.93	.88
1940	1.01	.99	1.17	1.13	1.03	.81	.78	.79	.84	1.00	.91	.92	.95
Mean	.87	.94	1.05	1.05	1.03	.88	.77	.76	.78	.83	.87	.88	*.89

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-23.2	-16.3	-19.3	2.0	19.4	37.6	50.3	50.4	39.8	28.8	2.2	-11.3	13.4
1932	-24.5	-35.3	-18.4	2.7	22.1	35.7	50.5	49.2	39.8	22.7	0.0	-20.5	10.3
1933	-26.3	-27.2	-14.6	3.7	17.7	33.9	47.5	48.0	38.9	15.6	-13.2	-31.1	7.7
1934	-24.2	-26.7	-24.1	0.5	16.7	35.9	47.8	45.2	33.8	21.8	1.7	-22.6	8.8
1935	-45.4	-23.0	-19.5	1.9	24.6	39.5	50.4	47.4	38.2	17.6	-12.1	-11.5	9.0
1936	-29.4	-24.5	-10.0	-2.9	15.2	37.0	48.0	47.9	34.4	9.6	-9.2	-20.3	8.0
1937	-30.5	-22.9	-6.7	12.4	27.4	37.6	46.8	45.4	35.4	23.0	-6.2	-18.5	11.9
1938	-17.6	-25.0	-11.0	-4.8	28.2	40.8	51.5	45.8	40.3	23.3	2.1	-8.5	13.8
1939	-24.1	-32.2	-27.8	7.0	23.2	38.0	48.0	45.4	34.2	16.2	3.6	-7.4	10.3
1940	-6.6	-21.1	-10.7	5.0	22.6	35.5	47.8	45.7	41.9	23.2	-4.5	-18.6	13.4
Mean	-25.2	-25.4	-16.2	2.8	21.7	37.1	48.9	47.0	37.7	20.2	-3.6	-17.0	10.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.60	0.15	0.42	0.59	2.89	0.95	0.42	1.97	1.15	1.18	1.80	12.12
1932	0.30	0.90	0.15	2.05	0.21	0.61	2.30	3.54	2.80	2.72	1.92	1.29	13.79
1933	0.14	0.33	0.45	0.76	0.74	0.57	2.34	2.11	1.57	0.26	0.55	0.30	10.12
1934	T	0.04	0.15	0.15	0.27	0.71	3.12	2.15	1.14	1.73	0.68	0.80	10.94
1935	T	0.54	0.00	0.44	0.06	0.62	1.17	2.03	1.99	0.92	0.00	0.64	8.41
1936	0.05	0.79	1.64	1.27	0.78	0.74	0.65	0.88	3.08	1.46	0.68	0.54	12.56
1937	0.95	1.54	0.74	1.08	1.07	0.72	5.93	1.86	0.95	1.20	0.43	1.60	18.07
1938	0.92	0.44	0.61	0.76	0.82	...	1.46	1.31	1.04	1.52	1.29	1.41	...
1939	0.44	0.36	0.54	1.21	0.38	1.04	1.45	2.89	1.35	1.53	0.63	0.57	12.44
1940	0.42	0.24	0.56	0.98	0.53	1.40	1.46	0.92	1.19	2.30	1.25	0.62	11.87
Mean	0.32	0.58	0.50	0.91	0.54	1.03	2.08	1.81	1.71	1.48	0.86	0.96	†12.78

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.8	16.3	25.7	22.7	18.3	9.1	9.1	11.2	13.9	10.2	6.8	10.2	13.5
1932	17.3	13.2	19.0	22.9	13.9	15.2	10.8	9.5	5.1	8.5	12.5	2.4	12.5
1933	6.8	9.8	21.3	21.3	15.9	13.2	9.1	8.8	11.5	15.2	11.5	15.9	13.2
1934	11.2	15.0	13.9	14.6	15.0	13.5	8.5	5.8	12.2	10.5	16.6	14.2	12.5
1935	16.9	11.2	18.0	23.0	25.7	14.9	7.5	7.8	9.8	8.8	13.5	15.6	14.6
1936	14.2	18.3	14.6	10.5	16.3	10.8	14.2	8.8	5.1	9.1	8.1	13.2	11.9
1937	9.5	14.9	21.0	18.0	14.2	11.2	6.4	6.1	6.4	12.9	17.6	18.6	13.2
1938	11.5	20.0	9.8	14.2	17.3	...	9.1	7.1	9.1	6.4	8.1	8.8	...
1939	9.1	11.9	18.0	16.6	19.6	13.5	4.4	11.2	7.1	10.5	14.6	14.2	12.5
1940	16.9	16.3	22.0	21.0	17.3	10.9	8.8	9.5	10.8	16.6	13.2	13.5	14.6
Mean	12.2	14.6	18.3	18.3	17.3	12.5	8.8	8.5	9.1	10.8	12.2	12.5	*12.9

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## CHICOUTIMI, CANADA

Lat. 48°25' N. Long. 71°5' W. H = 150 ft.  
 TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.  
 Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	4.4	10.4	33.5	41.2	51.6	62.4	70.1	65.8	55.6	46.9	36.3	14.5	41.1
1932	10.9	4.1	17.6	35.6	48.0	60.8	63.8	65.6	57.6	44.8	24.0	12.8	37.1
1933	10.0	10.3	19.2	37.4	46.3	61.1	66.2	64.3	55.4	41.8	14.8	-5.0	35.2
1934	-2.8	-6.2	15.9	36.7	46.8	58.2	64.6	60.5	59.4	40.5	29.4	5.5	34.0
1935	-3.1	2.1	17.6	38.3	46.1	59.1	67.6	67.8	53.1	42.8	30.1	10.8	36.0
1936	3.6	4.9	30.6	37.2	45.0	58.4	66.0	61.6	54.4	41.1	21.8	12.8	36.4
1937	7.8	16.1	18.9	40.8	53.1	63.0	70.2	69.4	56.0	44.9	31.4	13.2	40.4
1938	4.8	8.4	21.0	39.0	51.0	64.6	67.4	65.3	53.8	46.0	30.4	16.8	39.0
1939	3.1	4.9	13.5	35.9	46.7	59.4	67.8	67.8	53.9	41.4	27.1	16.2	36.5
1940	8.6	8.2	22.9	35.3	45.9	55.8	66.2	63.9	55.8	40.9	28.8	9.4	36.8
Mean	4.7	6.3	21.1	37.7	48.1	60.3	67.0	65.2	55.5	43.1	27.4	10.7	37.3

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.58	2.05	0.91	1.70	3.71	5.27	5.97	2.30	6.08	4.59	3.11	1.73	40.00
1932	3.58	1.30	2.51	1.67	1.75	2.95	4.46	6.32	5.95	3.88	2.28	3.01	39.60
1933	2.12	1.80	5.98	2.38	4.48	3.81	2.63	3.57	3.41	2.38	2.57	2.71	37.84
1934	3.02	1.50	1.53	2.29	2.44	5.02	2.73	3.09	3.30	2.92	2.17	1.99	32.00
1935	1.49	1.28	2.38	2.84	1.72	5.25	5.91	1.90	4.04	3.73	1.70	1.07	33.31
1936	2.11	1.42	1.31	2.17	7.91	3.17	5.89	3.13	4.66	5.57	2.67	3.17	43.18
1937	2.18	1.94	0.75	0.85	2.86	4.39	3.14	5.03	4.10	4.74	2.56	1.06	33.60
1938	1.26	1.61	1.55	2.93	1.91	3.08	4.35	6.81	4.21	1.37	1.62	2.75	33.45
1939	1.76	3.57	1.17	1.51	4.31	3.74	4.76	3.78	2.76	2.83	1.60	2.77	34.56
1940	1.54	1.94	0.88	2.30	4.80	6.72	2.35	2.91	3.93	2.62	2.29	2.26	34.54
Mean	2.16	1.84	1.90	2.06	3.59	4.34	4.22	3.88	4.24	3.46	2.26	2.25	36.21

## CHURCHILL, CANADA

Lat. 58°46' N. Long. 94°13' W. H<sub>0</sub> = 43 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h 15^m + 18^h 15^m)$ , 90th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	1.92	.94	1.10	1.18	.97	.87	.83	.76	.73	.85	.90	.76	.91
1933	.84	.87	1.17	1.08	1.09	.86	.78	.82	.74	1.00	1.00	1.09	.94
1934	.96	1.08	1.00	.94	1.00	.90	.78	.75	.95	.88	1.05	1.02	.94
1935	1.14	.92	1.05	1.17	1.19	.90	.80	.79	.82	.90	1.00	1.08	.98
1936	1.05	1.13	.86	.98	1.03	.87	.88	.86	.79	.91	.90	.97	.94
1937	.98	.96	1.24	1.06	.97	.82	.78	.81	.89	.93	1.11	1.12	.97
1938	.95	1.25	.84	1.01	.98	.87	.83	.76	.84	.81	.86	.77	.90
1939	.92	.98	1.12	1.02	1.05	.96	.72	.82	.80	.80	.99	.91	.92
1940	1.06	1.07	1.16	1.16	1.07	.81	.84	.84	.90	.98	1.06	.99	1.00
Mean	.99	1.02	1.06	1.07	1.04	.87	.80	.80	.83	.90	.99	.97	.94

TEMPERATURE IN DEGREES F. h<sub>r</sub> = 4 ft.  
Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	-12.2	-19.7	-12.1	12.7	31.3	43.0	53.6	60.6	44.7	26.6	7.6	-13.7	18.5
1933	-19.5	-19.6	-4.3	9.7	28.2	40.1	55.2	56.4	45.0	24.9	-5.0	-24.0	15.6
1934	-16.2	-16.6	-8.5	13.9	24.9	40.2	55.4	50.2	39.7	31.2	9.9	-11.8	17.7
1935	-29.3	-5.3	-8.2	14.3	36.3	39.6	53.2	52.7	42.4	23.4	-2.2	-7.6	17.4
1936	-24.6	-22.7	-2.0	3.9	24.4	40.6	57.8	53.6	42.4	...	1.5	-13.2	...
1937	-21.2	-10.6	-2.0	21.0	28.1	45.6	58.2	52.6	43.0	29.0	6.2	-13.0	20.6
1938	-11.7	-12.4	-0.2	7.0	33.8	47.8	57.4	52.0	48.4	33.3	6.0	0.3	21.8
1939	-17.8	-25.1	-12.8	14.0	30.0	39.8	53.3	51.2	39.8	21.6	11.2	3.4	17.4
1940	-5.8	-9.8	-2.5	14.2	32.0	42.6	56.9	55.2	50.4	29.6	2.4	-9.6	21.3
Mean	-17.6	-15.8	-5.8	12.3	31.0	42.1	55.7	53.8	44.0	27.4	4.2	-9.9	*18.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	0.02	0.08	0.20	1.09	0.26	1.71	5.67	1.19	1.22	3.12	0.99	0.24	15.79
1933	1.24	0.16	0.13	0.67	0.10	2.63	1.97	1.32	2.88	0.94	0.52	0.12	12.68
1934	0.08	0.04	0.50	0.59	1.04	0.54	7.32	2.94	1.51	3.10	0.56	0.34	18.56
1935	0.06	0.36	0.01	0.20	0.20	0.96	1.48	1.14	3.04	2.33	0.96	0.32	11.06
1936	0.20	0.17	2.94	0.92	0.95	1.21	2.20	3.46	3.14	0.67	1.26	0.61	17.73
1937	0.04	0.94	0.14	0.67	2.08	2.21	1.02	2.38	0.21	0.76	0.30	0.64	11.39
1938	0.76	0.65	1.25	1.40	1.49	1.25	1.64	4.58	1.51	2.75	1.52	1.17	19.97
1939	1.29	0.51	0.71	0.85	0.65	1.54	2.00	1.76	1.19	1.24	0.83	1.18	13.75
1940	0.60	0.33	0.20	0.06	0.28	1.42	1.33	4.15	1.59	2.60	0.37	0.78	13.71
Mean	0.48	0.36	0.68	0.72	0.78	1.50	2.74	2.55	1.81	1.95	0.81	0.60	14.96

PRESSURE AT SEA LEVEL  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	18.3	15.6	21.0	23.7	16.6	13.2	11.9	9.5	8.5	12.5	14.2	9.5	14.6
1933	12.2	13.2	23.4	20.3	20.7	12.9	10.2	11.5	8.8	17.6	17.6	20.7	15.9
1934	16.3	20.3	17.6	15.6	17.6	14.2	10.2	9.1	15.9	13.5	19.3	18.3	15.8
1935	22.4	14.9	19.3	23.4	24.0	14.2	10.8	10.5	11.5	14.2	17.6	20.3	16.9
1936	19.3	22.0	12.9	16.9	18.6	13.2	13.5	12.9	10.5	14.6	14.2	16.8	15.8
1937	16.9	16.3	25.7	19.6	16.6	11.5	10.2	11.2	13.9	15.2	21.3	21.7	16.8
1938	15.9	26.1	12.2	18.0	16.9	13.2	11.9	9.5	12.2	11.2	12.5	9.8	14.2
1939	14.9	16.9	21.7	18.3	19.3	16.3	8.1	11.5	10.8	14.2	17.3	14.6	15.2
1940	19.6	20.0	23.0	23.0	20.0	11.2	11.9	12.2	14.2	16.9	19.6	17.3	17.3
Mean	17.3	18.3	19.6	20.0	19.0	13.2	10.8	10.8	11.9	14.6	16.9	16.6	*15.8

\* Mean of 12 monthly means.



COPPERMINE, CANADA

Lat. 67°49' N. Long. 115°10' W. H<sub>b</sub> = 13 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of ½(5<sup>h</sup> 15<sup>m</sup> + 17<sup>h</sup> 15<sup>m</sup>), 105th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.98	.97	1.39	1.13	1.12	.97	.81	.86	.92	.77	.83	.97	.98
1932	1.13	.97	1.43	1.27	1.04	.98	.86	.81	.78	.97	1.11	.96	1.03
1933	.83	1.14	1.23	1.23	1.09	.92	.85	.85	.84	1.08	1.14	1.19	1.03
1934	1.03	1.13	1.15	1.08	1.00	.95	.90	.97	1.03	.91	1.00	1.02	1.01
1935	1.11	1.03	1.18	1.23	1.20	.98	.86	.79	.94	.99	1.10	1.18	1.05
1936	1.26	1.31	1.17	1.10	1.05	.99	.84	.92	.95	.99	1.01	1.02	1.05
1937	1.02	1.05	1.39	1.02	.95	.86	.89	.83	.94	.92	1.20	1.21	1.02
1938	1.02	1.27	.96	1.11	1.01	.87	.88	.85	.73	.87	.94	.92	.95
1939	1.02	1.19	1.17	.95	1.05	1.09	.82	.76	.88	.92	.99	.92	.98
1940	1.17	1.21	1.18	1.20	1.04	1.00	.91	.75	.81	.93	1.17	1.07	1.04
Mean	1.06	1.13	1.22	1.13	1.06	.96	.86	.84	.88	.94	1.05	1.04	1.01

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 4½ ft.  
Means of ½(mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-19.4	-19.9	-22.6	3.1	21.5	43.1	54.8	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	49.2	38.8	16.8	-10.8	-13.9	...
1933	-19.4	-25.8	-18.6	-4.0	20.9	35.6	46.4	53.4	36.9	14.8	-14.6	-24.9	8.4
1934	-27.6	-13.8	-15.0	-2.5	23.4	35.1	49.1	42.4	29.8	17.1	...	9.2	...
1935	-23.2	-13.0	-17.9	-3.7	18.5	41.5	52.0	47.7	36.8	17.5	-11.3	-20.4	10.3
1936	-27.2	-29.8	-18.3	-3.6	16.9	39.2	48.7	44.7	32.5	6.5	-4.9	-22.0	6.9
1937	-17.1	-18.8	-10.7	5.9	20.4	40.6	48.8	41.0	36.4	22.9	-2.0	-20.0	10.8
1938	-16.1	-18.2	-10.6	-1.6	24.6	39.8	51.2	45.0	49.7	23.2	2.8	8.6	15.1
1939	-19.2	-24.4	-20.2	11.0	28.0	38.5	47.0	46.8	32.2	12.8	-4.6	6.6	11.8
1940	-5.8	-12.7	-7.9	7.1	21.7	33.2	48.8	45.9	43.6	23.8	-0.8	-19.5	14.8
Mean	-19.4	-19.6	-15.8	1.3	21.8	38.5	49.6	46.2	37.3	17.3	-5.8	-16.1	*11.3

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 6½ ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.70	2.10	0.75	0.40	0.72	0.35	1.55	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	2.22	0.85	0.13	0.45	...	...
1933	...	0.27	1.95	3.45	0.15	0.34	1.16	0.64	1.95	2.23	2.20	0.50	...
1934	0.21	0.40	0.41	0.66	0.27	1.82	1.84	1.00	1.25	0.37	0.73	0.20	9.16
1935	1.28	0.20	1.15	0.45	0.55	0.18	1.33	2.16	0.78	0.58	0.55	0.90	10.11
1936	0.05	0.30	0.54	0.10	0.89	0.15	1.74	1.34	1.29	1.24	0.97	0.51	9.12
1937	0.50	0.06	0.30	0.26	0.75	2.34	0.40	3.20	1.02	1.49	0.13	0.21	10.66
1938	0.31	0.22	0.44	0.43	0.28	1.53	0.55	2.39	0.62	0.50	0.97	0.52	8.76
1939	0.51	0.02	0.42	0.65	0.24	1.30	1.74	3.17	1.23	0.49	0.32	0.46	10.37
1940	0.47	0.44	0.23	0.45	1.21	0.19	1.27	1.06	1.21	1.90	0.49	1.82	10.74
Mean	0.50	0.45	0.67	0.76	0.56	0.91	1.29	1.91	1.13	0.99	0.76	0.64	†10.57

PRESSURE AT SEA LEVEL  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.6	15.2	29.5	20.7	20.3	15.2	9.8	11.5	13.5	8.5	10.5	15.2	15.6
1932	20.7	15.2	30.8	25.4	17.6	15.6	11.5	9.8	8.8	15.2	20.0	14.9	17.3
1933	10.5	21.0	24.0	24.0	19.3	13.5	11.2	11.2	10.8	19.0	21.0	22.7	17.3
1934	17.3	20.7	21.3	19.0	16.3	14.6	12.9	15.2	17.3	13.2	16.3	16.9	16.6
1935	20.0	17.3	22.4	24.0	23.0	15.6	11.5	9.1	14.2	15.9	19.6	22.4	18.0
1936	25.1	26.8	21.3	19.6	18.0	15.9	10.8	13.5	14.6	15.9	16.6	16.9	18.0
1937	16.9	18.0	29.5	16.9	14.6	11.5	12.5	10.5	14.2	13.5	23.0	23.4	16.9
1938	16.9	25.4	14.9	20.0	16.6	11.9	12.2	11.5	7.5	11.9	14.2	13.9	14.6
1939	16.9	23.0	22.4	14.9	18.0	19.6	10.5	8.5	12.2	13.9	15.9	13.9	15.9
1940	22.4	23.4	22.4	23.0	18.0	16.3	13.5	7.8	9.8	14.2	22.4	18.6	17.6
Mean	18.3	20.7	23.7	20.7	18.3	14.9	11.5	10.8	12.2	14.2	18.0	18.0	16.6

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## DAWSON, CANADA

Lat. 64°4' N. Long. 139°29' W. H<sub>b</sub> = 1,062 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}$ (2<sup>h</sup> 45<sup>m</sup> + 14<sup>h</sup> 45<sup>m</sup>), 135th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.52	.53	.95	.73	.73	.68	.71	.78	.67	.46	.77	.62	.68
1932	.81	.84	.84	.66	.62	.62	.63	.68	.60	.68	.80	.90	.72
1933	.71	.97	.78	.73	.66	.68	.71	.90	.58	.75	.72	1.23	.78
1934	.72	.70	.90	.64	.62	.67	.74	.82	.87	.52	.64	.91	.73
1935	.99	.73	.89	.77	.73	.68	.75	.74	.77	.84	.93	.74	.80
1936	.89	1.20	.71	.81	.60	.74	.69	.80	.80	.68	.67	.76	.78
1937	1.11	.68	.80	.56	.64	.60	.72	.67	.77	.60	.82	.96	.74
1938	.81	1.07	.51	.64	.64	.65	.76	.82	.54	.49	.72	.69	.70
1939	.60	.94	.81	.74	.66	.77	.67	.67	.68	.66	.55	.39	.68
1940	.89	.84	.68	.75	.71	.69	.77	.61	.65	.53	.99	.58	.72
Mean	.80	.85	.79	.70	.66	.68	.72	.75	.69	.62	.76	.78	.73

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	— 6.1	— 5.0	0.3	25.2	41.3	56.0	57.9	52.3	42.6	27.1	3.0	— 9.2	23.8
1932	—23.6	—29.8	4.8	32.7	47.4	54.5	59.5	55.0	41.5	28.9	—12.9	—20.8	19.8
1933	—30.6	—17.3	1.4	27.6	40.7	52.4	57.4	...	41.6	20.0	3.5	—38.9	...
1934	—30.2	4.5	4.0	32.2	47.6	55.1	59.6	55.5	40.9	28.7	2.7	— 7.5	24.4
1935	—26.8	0.3	—2.8	28.9	43.4	55.1	59.7	50.5	41.0	20.1	— 6.5	—13.6	20.8
1936	—22.0	—32.0	4.8	26.0	47.6	61.5	59.7	57.7	40.6	28.8	7.6	—22.2	21.5
1937	— 4.9	—12.9	8.5	30.0	45.6	59.6	57.0	51.7	46.8	33.0	7.4	—14.8	25.6
1938	—20.5	—22.0	7.5	32.4	46.8	54.2	59.2	55.5	50.3	37.5	4.4	—11.2	24.5
1939	—10.5	—14.0	1.0	29.3	46.0	57.0	60.4	53.0	41.1	16.8	6.6	7.3	24.5
1940	— 4.8	— 5.5	11.2	38.7	47.0	57.0	62.0	55.1	46.7	30.2	— 2.2	1.4	28.1
Mean	—13.0	—13.4	4.1	30.3	45.9	56.2	59.2	54.0	43.3	27.1	1.4	—13.0	*23.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 6 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.95	1.15	T	0.71	0.52	1.44	1.29	1.76	1.56	0.72	1.48	0.94	12.52
1932	1.41	1.20	0.05	0.75	1.22	1.92	1.33	2.02	2.16	1.13	1.19	0.13	14.51
1933	0.64	0.48	0.53	0.06	0.57	0.68	0.64	1.27	1.04	1.85	1.84	0.52	10.12
1934	0.81	0.72	0.53	1.04	2.30	1.38	1.53	2.39	0.90	0.83	0.77	1.13	14.33
1935	0.60	0.23	0.18	0.58	2.13	1.47	1.29	1.69	1.35	0.96	1.07	1.18	12.73
1936	0.17	0.10	1.13	0.10	2.78	0.94	1.30	1.25	0.29	2.93	2.17	1.36	14.52
1937	2.94	0.49	0.14	0.15	0.96	0.96	1.51	3.15	1.57	0.86	0.35	0.73	13.81
1938	0.73	0.07	1.12	0.10	0.79	1.25	3.17	1.13	1.11	0.76	1.60	0.82	12.65
1939	0.42	0.73	0.97	0.01	0.83	1.13	1.25	2.85	1.66	2.25	0.66	0.55	13.31
1940	0.49	0.18	0.23	0.15	0.62	2.00	1.12	1.18	2.58	0.58	0.29	0.64	10.06
Mean	0.92	0.54	0.49	0.36	1.27	1.32	1.44	1.87	1.42	1.29	1.14	0.80	12.86

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	7.1	7.5	22.4	13.5	12.5	10.5	11.2	13.9	10.5	3.7	15.9	11.2	11.5
1932	18.6	20.0	18.3	10.8	8.5	8.1	8.1	10.2	8.1	11.9	16.3	21.3	13.2
1933	15.2	23.7	16.6	13.9	9.8	10.5	11.2	18.6	7.5	14.6	14.2	34.2	15.9
1934	15.6	13.5	20.7	10.2	8.5	9.8	11.9	15.2	17.6	5.8	11.2	21.3	13.5
1935	25.1	14.9	20.7	14.9	12.5	10.2	12.5	12.5	14.2	18.3	22.0	16.6	16.3
1936	21.3	32.9	13.9	16.6	7.8	11.9	10.2	14.2	15.2	11.5	12.2	16.6	15.2
1937	28.1	13.2	16.6	7.5	9.1	7.5	11.9	10.2	13.9	8.8	17.3	23.4	13.9
1938	18.3	27.4	6.8	9.8	8.8	9.5	12.9	15.2	5.8	4.4	13.9	13.9	12.2
1939	10.5	22.4	17.3	13.9	9.8	13.5	9.8	9.8	10.8	11.5	7.8	2.4	11.5
1940	18.6	19.0	12.5	13.5	11.5	10.5	12.9	7.8	9.8	6.1	24.0	9.1	12.9
Mean	18.0	19.3	18.6	12.5	9.8	10.2	11.2	12.5	11.2	9.8	15.6	16.9	13.5

\* Mean of 12 monthly means.

## EDMONTON, CANADA

Lat. 53°33' N. Long. 113°30' W. H<sub>b</sub> = 2,158 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h 45^m + 17^h 45^m)$ , 105th meridian W.

27 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.53	.56	.75	.63	.61	.56	.65	.72	.58	.59	.61	.46	.60
1932	.58	.49	.72	.60	.60	.60	.60	.60	.67	.69	.61	.55	.61
1933	.37	.58	.64	.67	.58	.58	.65	.70	.49	.68	.68	.65	.61
1934	.55	.75	.75	.66	.58	.62	.63	.73	.69	.63	.54	.69	.65
1935	.71	.71	.54	.67	.66	.57	.63	.64	.68	.68	.69	.64	.65
1936	.67	.73	.54	.68	.58	.62	.60	.70	.66	.68	.67	.56	.64
1937	.70	.54	.75	.48	.61	.63	.68	.62	.76	.66	.70	.66	.65
1938	.62	.81	.46	.66	.66	.65	.71	.73	.70	.65	.64	.62	.66
1939	.53	.72	.69	.69	.61	.68	.61	.68	.65	.63	.62	.46	.63
1940	.78	.62	.59	.69	.59	.62	.66	.62	.66	.56	.75	.48	.64
Mean	.60	.65	.64	.64	.61	.61	.64	.67	.65	.65	.65	.58	.63

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 5½ ft.Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.3	31.7	20.6	43.9	51.9	57.4	61.5	60.1	50.2	42.5	22.9	15.7	40.0
1932	5.7	9.2	12.8	42.2	54.1	60.0	61.0	63.1	53.5	36.2	21.1	13.4	36.0
1933	5.4	8.5	20.5	38.6	51.8	58.0	60.4	62.6	49.2	36.5	31.4	-9.7	34.4
1934	18.6	21.9	26.2	45.4	54.8	55.6	59.8	58.4	44.2	42.0	25.1	9.2	38.4
1935	-4.1	24.8	14.6	30.7	50.0	58.3	65.0	58.1	52.2	39.6	15.9	15.8	35.1
1936	-3.6	-17.0	24.6	35.6	57.3	59.0	65.2	60.8	50.2	42.7	31.3	9.2	34.6
1937	-3.7	6.6	27.5	43.5	53.6	60.4	63.2	58.1	52.7	43.3	19.0	5.7	35.8
1938	14.9	2.8	29.8	39.9	51.1	60.9	63.9	57.0	59.9	44.6	22.4	14.4	38.5
1939	16.2	1.3	20.2	42.2	53.2	53.2	63.3	61.8	50.1	34.6	34.6	24.9	38.0
1940	2.7	11.8	23.2	34.0	54.2	55.9	60.4	60.2	55.4	43.0	14.0	14.2	35.8
Mean	7.4	10.2	22.0	39.6	53.2	57.9	62.4	60.0	51.7	40.5	23.8	11.3	36.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	T	T	1.25	0.45	1.80	5.97	3.06	4.20	0.56	1.00	0.70	1.05	20.04
1932	0.55	0.80	0.89	2.03	1.63	2.09	3.33	0.52	0.98	0.50	1.54	0.62	15.48
1933	0.42	0.83	1.75	0.72	1.98	3.35	3.70	1.43	1.86	1.78	1.11	2.85	21.78
1934	0.66	0.56	0.88	1.46	2.86	4.18	2.97	1.72	2.39	0.20	0.46	0.82	19.16
1935	2.50	0.18	1.10	2.45	2.95	* 3.80	1.49	2.66	0.70	1.93	2.32	1.71	23.79
1936	1.78	0.58	0.29	0.97	3.28	1.91	1.98	1.80	0.95	1.21	0.98	0.76	16.49
1937	0.93	0.23	0.38	0.70	1.69	0.90	8.31	1.56	1.94	0.63	1.05	1.02	19.34
1938	0.72	0.99	0.43	0.45	1.43	4.80	3.20	3.70	0.21	0.91	1.16	1.81	19.81
1939	0.64	1.90	0.77	0.91	5.43	1.76	1.52	0.16	1.78	2.19	0.46	0.45	17.97
1940	0.94	0.56	2.76	2.62	2.38	2.48	3.03	1.04	0.13	1.87	1.56	0.51	19.83
Mean	0.91	0.66	1.05	1.28	2.54	3.12	3.26	1.83	1.15	1.22	1.13	1.16	19.37

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.9	12.2	20.7	13.5	12.2	9.8	12.5	15.2	11.2	12.2	14.9	10.5	13.2
1932	15.9	12.3	19.6	12.9	11.5	10.8	10.8	10.5	14.2	16.6	18.6	14.2	13.9
1933	8.1	15.2	16.3	15.6	11.2	10.5	12.5	15.2	8.5	16.3	17.6	20.3	13.9
1934	13.5	20.7	20.0	14.6	10.8	12.2	11.9	15.9	15.9	13.9	12.2	19.6	15.2
1935	22.0	18.6	13.5	16.3	14.2	10.2	11.5	12.5	14.9	15.9	19.0	16.9	15.6
1936	21.0	24.4	12.5	16.3	10.5	11.5	10.5	14.6	13.9	15.9	16.6	14.9	15.2
1937	21.7	14.6	20.0	8.5	12.2	11.9	13.5	11.9	18.0	14.9	18.3	19.0	15.2
1938	23.0	24.7	8.8	14.9	13.9	12.9	14.9	14.9	15.6	14.6	16.3	16.6	15.9
1939	12.9	21.7	18.0	16.3	11.9	14.6	11.2	14.2	13.9	14.6	14.2	11.9	14.6
1940	25.7	18.6	16.6	19.3	13.5	13.9	15.2	13.9	15.9	12.9	23.4	13.9	16.9
Mean	17.6	18.3	16.6	14.9	12.2	11.9	12.5	13.9	14.2	14.9	16.9	15.6	14.9

\* See NOTES, p. 39.

## FATHER POINT, CANADA

Lat. 48°31' N. Long. 68°28' W. H<sub>b</sub> = 20 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h 30^m + 19^h 30^m)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.85	.96	.96	.88	.86	.91	.79	.94	.89	.86	.94	.92	.90
1932	1.02	.92	.63	.84	.91	.75	.66	.86	.96	.91	1.15	.98	.88
1933	.88	.80	.87	.98	.85	.80	.91	.90	.80	1.00	.82	1.00	.88
1934	.98	.96	1.05	.94	.84	.80	.82	.88	1.05	.88	1.02	.89	.93
1935	1.06	.90	.89	.99	.82	.88	.87	.90	.93	1.03	1.02	.88	.93
1936	.84	.89	.89	.86	.87	.80	.75	.91	.99	.90	.83	1.16	.90
1937	1.14	.89	.73	1.00	.91	.85	.85	.95	.95	.91	.92	1.02	.93
1938	.98	1.20	.92	.95	.88	.87	.85	.86	.91	...	1.03	.97	...
1939	.89	1.05	1.03	.90	.91	.93	.87	.94	.93	.90	1.03	.69	.92
1940	.84	.92	.82	.93	.96	.76	.91	1.02	.95	.96	.98	1.04	.92
Mean	.95	.95	.88	.93	.88	.83	.83	.92	.94	.93	.98	.96	*.92

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.6	14.7	30.0	38.2	46.0	54.3	59.2	57.1	50.0	44.1	37.2	21.0	38.5
1932	17.8	8.6	21.5	34.6	46.6	53.0	56.6	57.9	52.3	43.7	27.1	20.4	36.7
1933	18.3	16.8	21.7	34.9	44.6	54.1	59.1	56.4	48.6	41.5	21.3	6.4	35.3
1934	7.8	5.9	21.5	36.7	46.1	51.6	58.5	55.9	54.2	39.6	31.8	12.2	35.2
1935	3.9	9.4	20.5	33.9	44.8	54.2	59.4	58.9	48.6	41.3	31.4	18.8	35.4
1936	14.0	11.5	30.7	35.5	42.5	54.3	56.6	54.9	50.7	40.2	23.9	17.9	36.1
1937	15.1	19.9	22.8	36.7	47.2	55.0	60.0	59.8	50.6	43.2	32.0	18.4	38.4
1938	12.6	12.8	22.6	33.8	45.8	57.2	60.8	59.6	48.2	42.4	29.8	22.1	37.3
1939	11.8	8.9	16.0	33.7	44.4	51.8	59.8	58.8	49.6	41.0	29.2	22.1	35.6
1940	13.3	14.0	23.4	34.6	45.1	53.4	58.9	58.0	50.6	39.4	30.2	15.2	36.3
Mean	12.5	12.2	23.1	35.3	45.3	53.9	58.9	57.7	50.3	41.6	29.4	17.5	36.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.50	1.94	1.51	0.42	2.01	3.29	4.68	1.92	4.83	2.67	2.22	2.68	30.67
1932	2.46	1.44	4.58	2.58	0.69	2.56	4.44	4.86	2.92	2.87	2.39	2.38	35.17
1933	4.02	2.57	2.80	4.67	3.80	5.09	2.30	2.74	4.02	1.78	4.82	2.11	40.72
1934	2.38	2.12	3.05	3.54	1.86	4.08	3.36	2.14	1.50	1.88	2.20	2.35	30.46
1935	2.20	0.98	0.75	1.54	0.80	4.20	2.51	2.03	2.74	1.94	2.46	2.23	24.43
1936	2.87	1.37	0.66	2.44	3.71	4.70	3.26	1.64	1.74	3.74	2.24	1.51	29.88
1937	2.82	2.84	1.07	0.72	2.22	2.27	2.44	3.95	2.74	4.38	3.63	0.36	29.44
1938	2.59	1.62	0.85	2.01	1.95	2.04	5.93	5.53	3.86	1.25	1.91	3.05	32.09
1939	1.56	3.36	1.64	1.69	2.10	3.55	4.53	3.06	4.03	3.69	0.33	3.01	32.60
1940	3.28	0.89	1.93	2.29	3.49	5.87	1.94	1.18	3.87	3.20	0.62	2.21	36.77
Mean	2.67	1.91	1.98	2.19	2.26	3.77	3.54	2.91	3.18	2.74	2.88	2.19	32.22

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.5	15.2	15.2	12.9	11.9	13.5	9.8	14.6	12.9	11.9	14.9	13.9	13.2
1932	17.3	13.9	4.1	11.2	13.9	8.5	5.4	12.2	15.2	18.5	21.7	15.9	12.9
1933	12.5	9.8	12.2	15.9	11.9	10.2	13.5	13.5	9.8	16.6	10.8	16.6	12.9
1934	16.3	15.2	18.3	14.6	11.5	9.8	10.8	12.5	18.6	12.9	17.6	12.9	14.2
1935	18.6	13.2	13.2	16.3	10.5	12.2	12.2	13.2	14.6	18.0	17.6	12.5	14.2
1936	11.2	12.9	13.2	12.2	12.5	10.2	8.5	13.5	16.3	13.2	12.5	22.0	13.2
1937	21.3	13.2	7.5	16.6	13.9	11.5	11.5	15.2	15.2	13.5	13.9	17.3	14.2
1938	15.9	23.4	14.2	14.9	12.5	12.2	11.9	11.9	13.9	...	18.0	15.2	...
1939	12.9	18.0	17.3	13.2	13.5	13.9	12.2	14.6	14.2	13.2	17.3	6.4	13.9
1940	11.2	13.9	10.5	14.2	15.2	8.5	13.5	17.3	14.9	15.2	15.9	18.3	13.9
Mean	14.9	14.9	12.5	14.2	12.9	11.2	10.8	13.9	14.6	14.2	15.9	15.2	*13.8

\* Mean of 12 monthly means.

## FORT GOOD HOPE, CANADA

Lat. 66°15' N. Long. 128°38' W. H = 300 ft.  
 TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.  
 Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-18.7	-14.8	-14.9	14.1	37.1	54.7	58.6	52.4	41.8	21.6	7.3	-17.2	18.5
1932	-28.8	-27.6	- 7.3	19.1	41.2	53.9	59.5	55.5	41.3	17.8	-20.8	-24.6	14.9
1933	-32.3	-27.2	- 7.1	15.4	40.3	51.6	55.9	56.7	40.6	17.4	-10.0	-31.8	14.1
1934	-36.6	-11.7	- 9.2	16.4	41.1	52.4	59.6	49.6	36.8	25.6	-12.2	-13.2	16.6
1935	-30.0	- 7.1	-15.6	6.2	33.0	54.9	60.4	48.7	40.0	20.2	-13.6	-25.6	14.3
1936	-33.6	-32.7	- 9.0	10.1	35.6	57.2	57.5	56.8	36.2	15.0	- 4.0	-27.2	13.5
1937	-10.7	-21.4	- 6.7	14.6	39.4	61.0	58.9	51.8	43.8	25.4	- 1.0	-19.7	19.6
1938	...	-19.0	- 1.5	15.4	41.7	56.4	...	54.0	48.6	30.2	2.0	-15.0	...
1939	-24.6	-22.4	-12.1	24.0	43.3	57.3	60.2	53.5	35.1	16.2	-11.2	- 8.0	17.6
1940	-11.0	-10.8	- 3.1	25.4	38.8	51.0	59.2	53.5	45.7	24.1	- 7.6	-16.0	20.8
Mean	-25.1	-19.5	- 8.6	16.1	39.2	55.0	58.9	53.2	41.0	21.4	- 7.1	-19.8	*17.1

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	0.93	0.45	0.40	0.23	0.25	3.27	1.80	1.96	2.80	0.74	0.38	...
1932	0.72	0.36	0.01	0.05	2.61	1.33	0.99	3.44	1.12	0.92	1.00	0.41	12.96
1933	0.39	0.57	0.45	0.23	0.44	1.75	2.18	1.74	1.71	0.39	0.96	0.49	11.30
1934	0.58	0.46	0.18	0.65	0.24	0.96	1.67	0.95	1.59	0.73	0.59	0.48	9.08
1935	0.20	0.35	0.15	0.23	1.11	0.53	1.78	3.70	1.34	1.04	2.34	0.27	13.04
1936	0.54	0.10	0.50	0.35	0.37	0.70	2.79	0.67	1.69	2.87	1.31	0.88	12.77
1937	1.82	0.37	0.07	0.66	0.57	0.62	2.36	1.21	1.22	0.57	0.43	0.54	10.44
1938	0.25	0.26	0.44	0.67	1.01	0.66	...	1.28	0.11	0.72	0.44	1.15	...
1939	0.44	0.38	0.45	0.28	0.54	0.37	0.87	5.45	0.39	0.79	0.61	0.66	11.23
1940	0.47	0.68	0.21	0.08	1.47	0.21	1.16	2.18	0.39	2.36	0.38	0.94	10.53
Mean	0.60	0.45	0.29	0.36	0.86	0.74	1.90	2.24	1.15	1.32	0.88	0.62	†11.41

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## FORT McMURRAY, CANADA

Lat. 56°44' N. Long. 111°23' W. H<sub>b</sub> = 840 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^h + 17^h 45^m)$ , 105th meridian W.

28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.92	.92	1.22	.98	.96	.88	.91	.99	.88	.88	.96	.88	.95
1932	1.00	.94	1.23	1.00	.91	.89	.86	.89	.94	1.02	1.03	1.00	.98
1933	.88	1.03	1.07	1.06	.93	.89	.93	.95	.74	1.04	1.06	1.22	.99
1934	.95	1.08	1.15	1.00	.91	.93	.93	1.01	1.09	1.03	1.06	1.19	1.03
1935	1.30	1.12	1.07	1.13	1.07	.96	.93	.95	1.30	1.08	1.17	1.13	1.10
1936	1.29	1.42	.99	1.14	.99	1.02	.94	1.04	.99	1.15	1.10	1.06	1.09
1937	1.26	1.03	1.30	.92	.98	.96	.99	.92	1.13	1.04	1.20	1.20	1.08
1938	1.10	1.37	.91	1.06	1.02	1.00	1.01	.99	1.01	.99	1.06	1.01	1.04
1939	.98	1.25	1.12	1.08	.96	1.05	.89	.98	.99	1.04	1.02	.95	1.02
1940	1.37	1.20	1.15	1.20	1.03	1.01	1.07	.97	1.10	.99	1.31	1.02	1.12
Mean	1.10	1.13	1.12	1.06	.97	.96	.95	.97	1.02	1.03	1.10	1.07	1.04

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	6.3	19.5	9.6	37.2	47.0	53.9	60.3	59.1	48.2	39.7	16.8	4.7	33.5
1932	— 5.9	— 4.7	0.0	37.4	50.2	58.1	61.0	61.2	48.3	30.6	5.3	— 4.6	28.1
1933	—16.1	—10.7	12.3	31.0	49.4	56.0	58.7	61.0	47.0	31.6	11.9	—27.4	25.4
1934	— 5.4	8.3	11.1	36.9	50.1	55.6	58.7	54.8	42.9	36.4	18.7	— 4.8	30.3
1935	—20.5	15.5	6.8	28.2	49.4	54.2	63.7	56.0	49.2	34.1	6.1	2.6	28.8
1936	—19.0	—23.2	18.5	29.3	52.8	55.9	63.4	58.2	44.5	34.6	23.3	— 5.2	27.8
1937	—17.9	— 2.3	17.4	41.4	53.7	59.8	62.0	56.6	48.1	37.1	12.7	— 7.0	30.1
1938	— 1.6	— 2.5	24.4	33.5	50.3	58.8	64.3	57.0	57.9	42.1	15.4	1.0	33.6
1939	2.0	—11.1	12.7	36.7	50.8	51.8	62.0	59.8	45.6	29.1	22.2	12.7	31.2
1940	— 6.4	3.8	20.2	36.8	52.0	54.2	60.8	59.8	51.5	39.2	6.8	— 0.4	31.5
Mean	— 8.4	— 0.7	13.3	35.0	50.6	55.8	61.5	58.3	48.3	35.4	13.9	— 2.8	30.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 2 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	0.88	0.10	1.25	0.37	2.15	2.54	3.51	1.33	3.29	0.52	0.26	0.97	17.17
1932	1.21	2.16	1.18	1.42	1.29	3.79	3.34	4.29	0.60	1.59	1.28	1.22	23.37
1933	0.92	0.93	1.25	1.82	1.38	3.39	3.29	0.81	5.22	1.82	2.14	1.82	24.79
1934	0.68	0.28	1.15	0.61	1.53	1.64	1.98	1.48	1.70	1.16	1.84	0.52	14.57
1935	1.00	0.08	2.51	0.57	1.06	2.70	8.03	3.69	1.35	1.70	1.89	0.58	25.66
1936	1.03	0.15	0.34	0.42	0.71	1.98	5.71	1.40	3.29	0.91	0.65	0.61	17.20
1937	0.51	0.46	0.35	1.00	3.86	0.69	2.10	2.11	0.36	1.92	1.94	1.89	17.19
1938	0.84	0.78	1.15	0.00	1.34	1.73	2.53	2.08	0.60	0.61	1.00	0.64	13.30
1939	1.42	0.45	0.63	1.28	1.69	1.33	2.28	1.28	1.56	1.87	0.23	0.34	14.36
1940	0.32	0.43	0.46	0.67	1.95	1.89	0.22	1.19	1.43	0.90	0.80	0.82	11.08
Mean	0.83	0.58	1.03	0.82	1.70	2.17	3.30	1.97	1.99	1.30	1.20	0.94	17.87

## FORT SIMPSON, CANADA

Lat. 61°52' N. Long. 121°15' W. H<sub>o</sub> = 415 ft.PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(4^h + 16^h)$ , 120th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.42	.36	.88	.52	.50	.40	.38	.49	.38	.24	.44	.41	.45
1932	.58	.54	.88	.58	.41	.38	.30	.31	.35	.50	.63	.54	.50
1933	.45	.73	.63	.58	.42	.48	.38	.38	.30	.55	.62	.84	.53
1934	.52	.61	.68	.48	...	.40	.41	.51	.58	.36	.49	.62	...
1935	.74	.51	.69	.61	...	.40	.39	.38	.47	.56	.68	.63	...
1936	.83	.97	.54	.62	.42	.50	.34	.45	.54	.50	.53	.54	.56
1937	.72	.49	.76	.38	.40	.35	.39	.27	.50	.39	.67	.74	.50
1938	.58	.86	.38	.52	.41	.37	.41	.43	.30	.35	.46	.46	.46
1939	.50	.76	.64	.48	.43	.48	.33	.32	.43	.47	.45	.35	.47
1940	.81	.70	.61	.65	.50	.48	.47	.30	.39	.39	.76	.51	.55
Mean	.62	.65	.66	.54	.44	.42	.38	.38	.42	.43	.57	.56	*.51

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	- 8.5	2.4	- 0.1	26.1	42.5	57.0	63.0	59.5	46.9	33.4	10.5	- 7.6	27.1
1932	-16.2	-15.8	- 2.8	29.8	46.2	55.4	62.1	61.0	47.2	27.0	- 6.7	-14.0	22.8
1933	-25.7	-18.9	3.9	22.0	46.5	54.4	58.4	61.3	44.7	27.0	1.7	-28.3	20.6
1934	-23.1	- 3.0	1.1	28.5	...	54.8	60.0	54.6	40.9	31.5	8.0	- 7.8	...
1935	-22.8	4.9	- 2.8	21.9	...	56.9	62.0	54.0	45.5	26.4	- 1.1	-12.6	...
1936	-29.8	-27.1	2.4	19.2	46.6	57.6	62.4	60.2	41.2	27.2	10.6	-17.1	21.1
1937	-10.4	- 9.7	5.2	30.6	47.8	61.8	61.3	55.8	50.0	32.0	6.8	-11.2	26.7
1938	-16.0	-11.4	13.3	24.0	48.4	57.7	63.8	57.0	57.6	37.6	9.0	- 7.0	27.8
1939	-11.6	-16.4	-14.5	31.5	48.2	57.4	61.0	59.3	40.1	24.4	7.8	- 4.2	23.6
1940	-11.1	- 4.4	11.7	34.8	43.2	52.6	61.4	56.5	51.4	32.0	8.6	- 8.3	27.4
Mean	-17.5	- 9.9	1.7	26.8	46.2	56.6	61.5	57.9	46.6	29.8	5.5	-11.8	*24.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3½ ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.58	0.67	0.58	1.05	2.05	0.82	0.79	2.13	2.35	0.95	0.35	0.79	13.11
1932	0.79	0.92	1.01	0.86	1.65	3.02	5.64	0.42	0.33	1.22	1.02	0.80	17.18
1933	0.75	0.62	0.49	0.60	1.87	0.53	0.63	1.66	1.12	0.43	2.70	0.72	12.12
1934	1.20	0.67	0.61	0.46	...	1.98	1.57	0.92	1.60	0.73	0.90	0.97	...
1935	0.90	0.32	0.92	0.55	...	0.92	5.02	1.71	0.49	0.14	2.00	2.83	...
1936	0.06	0.18	0.16	0.49	0.31	1.04	3.45	2.09	0.51	0.39	1.30	0.25	10.23
1937	0.09	0.04	0.13	0.35	2.90	0.66	0.98	3.45	0.13	1.22	0.70	1.06	11.71
1938	2.35	0.18	0.14	0.39	0.83	0.57	2.51	1.92	0.74	0.64	0.79	0.55	11.61
1939	1.64	0.98	0.76	0.67	1.67	0.36	0.91	0.71	1.81	0.18	1.90	0.35	11.94
1940	0.04	0.03	0.33	0.02	2.53	1.42	2.00	3.89	0.20	0.96	0.40	2.18	14.00
Mean	0.84	0.46	0.51	0.49	1.73	1.13	2.35	1.89	0.93	0.69	1.21	1.05	+13.28

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.2	10.8	20.3	15.6	14.9	11.2	10.5	14.2	10.8	6.1	13.5	12.9	12.9
1932	19.0	17.6	23.8	17.6	11.5	10.5	7.8	7.8	9.5	14.9	20.3	17.6	15.2
1933	14.6	24.0	20.3	18.0	12.2	13.9	10.5	10.5	8.1	16.6	20.0	27.8	16.3
1934	16.9	19.6	22.0	14.2	...	11.2	11.5	14.9	17.6	10.2	15.2	20.0	...
1935	24.7	15.9	22.4	19.0	...	11.2	10.8	10.5	13.9	16.9	22.0	20.3	...
1936	27.8	32.0	17.3	19.3	11.9	14.6	9.1	12.9	16.3	14.9	16.6	17.3	17.6
1937	23.4	15.2	24.4	10.5	11.2	9.5	10.8	6.8	14.6	11.2	21.3	24.0	15.2
1938	18.6	25.1	11.5	15.6	11.5	10.2	11.5	12.2	7.8	9.8	14.2	14.6	13.9
1939	15.9	24.7	20.7	14.2	12.2	13.9	8.5	8.5	12.9	14.2	13.9	10.5	14.2
1940	26.4	22.7	19.3	20.0	14.6	13.9	13.5	7.8	10.8	11.2	24.7	15.9	16.6
Mean	20.0	21.3	20.7	16.3	12.5	11.9	10.5	10.5	12.2	12.5	18.3	18.0	*15.4

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## FORT SMITH, CANADA

Lat. 60°0' N. Long. 111°52' W.  $H_0 = 680$  ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(5^h + 17^h)$ , 105th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.14	1.09	1.50	1.21	1.22	1.13	1.10	1.19	1.09	1.02	1.13	1.11	1.16
1932	1.22	1.19	1.51	1.31	1.14	1.12	1.08	1.07	1.10	1.20	1.26	1.20	1.20
1933	1.14	1.29	1.31	1.32	1.20	1.12	1.13	1.14	.99	1.28	1.31	1.46	1.22
1934	1.19	1.32	1.38	1.22	1.13	1.13	1.15	1.22	1.26	1.16	1.23	1.32	1.23
1935	1.44	1.27	1.29	1.37	1.30	1.18	1.12	1.12	1.18	1.33	1.42	1.30	1.28
1936	1.48	1.59	1.19	1.31	1.16	1.20	1.09	1.20	1.20	1.24	1.19	1.20	1.25
1937	1.37	1.18	1.47	1.08	1.11	1.10	1.08	1.02	...	...	...	...	...
1938	...	1.53	1.10	1.23	1.15	1.11	1.13	1.10	1.10	1.08	1.17	1.08	...
1939	1.16	1.38	1.31	1.23	1.15	1.22	1.01	1.05	1.11	1.14	1.14	1.06	1.16
1940	1.36	1.38	1.33	1.37	1.20	1.16	1.19	1.05	1.18	1.11	1.43	1.18	1.24
Mean	1.28	1.32	1.34	1.26	1.18	1.15	1.11	1.12	1.13	1.17	1.25	1.21	*1.21

TEMPERATURE IN DEGREES F.  $h_t = 3\frac{1}{2}$  ft.  
Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	— 4.1	13.1	0.6	29.7	43.5	54.1	60.5	57.8	48.6	38.7	14.5	— 2.4	29.6
1932	— 9.2	—11.9	—6.0	32.0	46.9	55.8	62.5	62.8	44.6	26.7	2.2	— 9.8	24.7
1933	—22.0	—17.5	7.8	22.8	47.8	53.2	58.5	61.3	46.5	27.6	4.2	—27.7	21.9
1934	—15.4	— 0.1	1.0	28.2	46.0	54.6	58.3	49.6	38.5	30.2	12.2	— 7.8	24.6
1935	—23.4	8.6	—2.5	21.5	47.8	55.5	62.2	53.0	45.4	27.7	1.0	— 5.2	24.3
1936	—26.9	—28.4	5.6	17.8	47.2	54.0	61.5	58.0	43.1	26.5	17.9	—10.1	22.2
1937	—17.6	— 7.2	10.6	36.1	51.4	60.6	61.3	56.2	...	...	...	...	...
1938	...	—10.3	9.1	23.4	44.0	57.8	63.8	56.3	55.6	37.1	11.4	3.6	...
1939	—11.8	—25.8	—1.7	28.8	48.3	55.4	60.5	59.0	40.8	25.1	17.2	7.5	25.3
1940	— 7.7	— 4.0	9.1	32.4	45.4	49.7	60.2	59.1	52.6	36.0	6.3	— 1.6	23.1
Mean	—15.3	— 8.4	3.4	27.3	46.8	55.1	60.9	57.3	46.2	30.6	9.7	— 5.9	*25.6

TOTAL PRECIPITATION IN INCHES.  $h_r = 5$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.95	0.55	1.24	0.66	1.03	1.93	0.69	0.70	1.26	0.59	0.65	0.43	10.68
1932	0.37	0.40	0.17	0.78	1.10	1.69	0.98	0.88	1.54	0.61	0.96	1.06	10.54
1933	0.69	2.89	1.42	1.72	1.54	1.10	4.13	0.79	4.77	0.96	2.49	0.92	23.42
1934	0.57	0.35	0.44	1.18	1.81	2.68	4.26	0.88	1.67	1.81	0.44	0.73	18.82
1935	0.20	1.02	2.02	0.16	1.46	1.52	2.47	1.36	4.48	1.17	0.52	1.09	17.47
1936	0.24	0.08	0.87	0.15	0.54	0.65	4.26	1.26	2.18	0.46	0.26	2.29	13.24
1937	0.35	0.36	0.75	0.54	0.66	1.10	1.92	2.11	...	...	...	...	...
1938	...	0.24	0.21	1.31	0.83	3.43	2.94	2.03	0.37	1.04	0.71	0.72	...
1939	1.09	0.65	1.12	0.32	2.24	0.32	2.65	1.96	2.59	2.93	2.10	1.77	19.74
1940	0.25	0.46	0.95	0.15	1.61	0.63	0.72	0.96	0.65	1.23	0.39	2.18	10.18
Mean	0.52	0.70	0.92	0.70	1.28	1.50	2.50	1.29	2.17	1.20	0.95	1.24	†14.97

PRESSURE AT SEA LEVEL  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.9	11.5	26.1	15.2	15.2	11.9	10.8	13.9	10.8	8.1	12.9	12.9	13.5
1932	16.9	15.6	26.8	18.6	12.5	11.2	10.2	9.8	11.2	15.2	18.0	16.3	15.2
1933	14.6	19.6	19.3	19.3	14.6	11.5	11.9	12.2	7.1	18.0	19.3	25.7	15.9
1934	16.3	20.0	22.0	15.6	12.2	11.9	12.5	15.2	16.6	13.5	16.6	20.7	15.9
1935	25.1	18.0	19.0	21.0	17.6	13.5	11.2	11.2	13.9	18.6	22.7	19.3	17.6
1936	26.8	30.5	15.9	19.3	18.2	14.6	10.5	13.9	14.2	16.6	14.9	16.3	14.6
1937	22.4	15.6	24.7	11.2	11.5	10.8	10.2	7.8	...	...	...	...	...
1938	...	27.4	11.9	16.3	12.9	10.8	11.5	10.8	10.8	9.8	14.9	11.5	...
1939	14.9	23.0	19.6	16.9	12.5	14.9	7.5	9.1	11.2	11.9	13.5	10.8	13.9
1940	21.7	22.4	20.0	20.3	14.6	13.2	13.9	8.8	13.5	11.5	23.4	15.6	16.6
Mean	19.3	20.3	20.7	17.3	13.5	12.5	11.2	11.2	12.2	13.5	17.3	16.6	*15.5

\* Mean of 12 monthly means.

† Sum of 12 monthly means.



## HAY RIVER, CANADA

Lat. 60°51' N. Long. 115°57' W. H<sub>b</sub> = 528 ft.

PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(8^{\text{h}}+17^{\text{h}}45^{\text{m}})$ , 105th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.31	.23	.68	.39	.38	.29	.26	.33	.24	.12	.29	.24	.31
1932	.40	.37	.72	.46	.28	.26	.20	.20	.27	.38	.42	.37	.36
1933	.30	.52	.48	.48	.33	.28	.28	.27	.16	.43	.47	.66	.39
1934	.36	.48	.54	.38	.28	.28	.29	.38	.43	.28	.36	.49	.38
1935*	.59	.38	.50	.49	.42	.28	.25	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	.39	.40	.58	.44	.34	.28	.26	.30	.28	.30	.38	.44	†.37

TEMPERATURE IN DEGREES F. h<sub>r</sub> = 4 ft.  
Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	- 5.0	8.4	- 4.1	24.3	37.4	48.6	59.2	58.6	46.7	35.5	15.2	- 2.4	26.9
1932	-12.5	-14.4	-11.8	25.1	40.6	50.3	61.0	62.7	46.9	28.4	-0.1	-10.3	22.2
1933	-22.9	-20.8	0.3	16.1	41.3	48.3	56.2	60.7	45.3	28.3	4.3	-26.1	19.2
1934	-16.3	- 1.4	0.8	27.3	42.4	52.6	56.9	51.8	40.1	33.4	13.2	- 2.7	24.8
1935	-17.9	11.0	- 3.6	20.0	41.2	48.8	58.5	52.4	45.0	25.9	-1.0	-12.5	22.3
1936	-28.9	-26.9	- 0.5	14.5	40.4	49.2	61.0	59.0	42.6	29.4	16.3	-10.2	20.5
1937	-12.1	- 8.8	5.1	31.6	44.2	55.9	59.1	54.9	48.2	34.4	9.2	-11.8	25.8
1938	-11.1	- 6.8	7.6	17.8	41.6	54.9	63.4	56.0	56.6	39.2	13.3	- 0.4	27.7
1939	- 9.9	-19.9	- 2.9	31.6	41.2	51.4	58.0	58.8	41.1	26.0	16.7	4.8	24.7
1940	- 4.5	- 4.3	4.2	26.9	40.9	47.0	58.9	69.0	53.6	34.7	6.4	- 4.3	27.4
Mean	-14.1	- 8.4	- 0.5	23.5	41.1	50.7	59.2	58.4	46.6	31.5	9.4	- 7.6	24.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 5 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.43	0.14	0.58	0.58	0.86	1.53	0.55	1.73	0.97	1.67	0.53	0.92	10.49
1932	0.88	0.40	0.10	0.90	2.51	1.89	0.32	0.46	1.47	0.64	1.31	0.86	11.74
1933	0.39	1.38	0.89	1.66	2.15	0.31	1.01	1.67	2.65	2.60	1.50	0.44	16.65
1934	0.75	0.24	0.29	0.47	0.67	0.68	1.41	2.46	1.07	0.35	0.59	0.33	9.31
1935	0.44	0.30	0.50	0.10	2.00	3.18	0.62	1.06	1.91	1.17	1.11	1.16	13.55
1936	0.23	0.30	0.59	0.56	0.23	0.95	3.03	2.01	1.82	0.87	0.87	0.64	12.10
1937	1.11	0.43	0.92	0.07	0.74	0.88	2.93	1.43	0.47	1.00	2.18	2.59	14.75
1938	1.48	0.24	0.95	1.95	...	0.56	0.99	1.50	0.34	1.81	1.03	1.65	...
1939	1.88	1.25	1.55	0.48	0.75	0.40	2.63	1.48	2.36	2.85	3.65	0.85	20.13
1940	0.30	0.75	0.35	0.90	2.12	1.25	0.30	1.61	0.26	2.13	0.39	0.24	10.60
Mean	0.79	0.54	0.67	0.77	1.34	1.16	1.38	1.54	1.33	1.51	1.32	0.97	†13.32

\* Not published after July 1935. Barometer defective in December 1935, and replaced.

† Mean of 12 monthly means.

‡ Sum of 12 monthly means.

## MASSETT, CANADA

Lat. 54°2' N. Long. 132°8' W. H = 10 ft.

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	37.0	40.8	40.2	45.4	48.6	54.4	57.7	59.8	54.9	47.6	40.0	38.0	47.0
1932	35.9	37.8	40.5	44.7	48.0	52.5	54.8	57.6	53.4	50.3	42.0	35.2	46.1
1933	35.6	36.2	38.8	42.9	48.1	51.7	54.1	58.9	52.1	45.9	46.4	28.0	44.9
1934	37.6	42.0	41.7	44.9	49.3	53.8	56.7	60.4	54.4	49.1	44.4	38.4	47.7
1935	32.9	42.2	37.2	42.5	47.4	53.2	57.6	57.8	55.2	47.6	43.5	43.8	46.7
1936	38.0	28.6	37.3	44.0	49.0	57.4	58.0	60.8	55.0	53.4	47.0	37.8	47.2
1937	35.2	32.4	42.0	43.2	47.6	56.4	56.2	56.4	55.7	51.0	42.2	37.8	46.3
1938	38.5	35.9	40.0	43.8	47.2	52.1	56.0	57.6	56.2	49.2	43.1	36.6	46.4
1939	39.0	35.7	38.6	41.1	47.4	53.1	57.1	57.8	54.5	49.0	44.6	41.6	46.6
1940	40.7	38.3	42.9	46.7	49.9	52.5	58.3	58.5	55.4	49.0	43.2	39.9	47.9
Mean	37.0	36.9	39.9	43.9	48.2	53.7	56.6	58.6	54.7	49.2	43.6	37.7	46.7

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.20	6.00	4.74	5.40	5.53	3.78	1.79	2.68	4.56	9.43	3.92	9.59	65.62
1932	6.68	4.82	6.53	4.24	4.25	2.50	5.20	3.17	5.91	5.57	9.29	4.31	62.47
1933	4.17	2.38	4.09	4.89	3.24	4.52	3.66	2.85	7.26	5.62	8.47	4.82	55.97
1934	10.03	4.08	3.45	2.65	4.87	2.53	3.14	0.86	6.86	8.75	9.17	7.78	64.17
1935	6.59	5.04	2.72	2.36	2.77	3.54	1.30	2.88	2.97	6.99	5.34	9.85	52.35
1936	3.57	2.76	4.78	2.99	3.99	1.34	5.14	2.86	6.94	4.31	7.24	8.12	54.04
1937	2.23	4.73	4.77	5.82	3.42	1.87	4.81	4.25	3.81	5.59	7.40	6.36	55.06
1938	7.15	1.83	3.96	7.38	3.51	2.02	3.73	1.42	4.97	7.74	7.66	5.70	57.07
1939	7.90	5.17	4.19	5.40	5.00	4.24	1.96	2.74	4.55	7.15	9.54	13.27	71.11
1940	3.79	4.44	4.85	4.52	3.66	4.67	1.73	6.68	1.55	7.56	4.21	4.84	52.50
Mean	6.03	4.13	4.41	4.57	4.02	3.10	3.25	3.04	4.94	6.87	7.22	7.46	59.04

## MISTASSINI POST, CANADA

Lat. 50°30' N. Long. 73°55' W. H = 1,255 ft.  
 TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.  
 Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean	
1931	-6.2	—	0.6	22.8	30.7	43.7	55.8	63.1	58.0	47.8	40.8	30.0	6.8	32.7
1932	4.8	—	6.0	7.4	26.2	41.8	53.2	55.8	59.6	49.4	36.0	15.4	3.2	28.9
1933	...	...	0.0	8.1	28.6	38.4	52.6	60.0	59.4	50.2	...	7.7	-10.4	...
1934	-7.4	-12.7	...	7.0	28.7	39.7	53.0	58.8	54.0	...	...	...	...	...
1935	...	...	...	7.0	28.8	40.7	55.9	60.1	59.5	45.4	37.0	20.1	4.2	...
1936	-4.5	—	5.8	18.8	25.5	36.7	50.0	58.5	55.0	53.8	32.6	12.0	1.8	27.9
1937	-2.4	10.0	...	7.9	30.0	45.7	54.0	62.0	62.0	...	37.0	23.7	4.4	...
1938	-6.0	—	3.4	12.2	25.8	42.9	55.2	59.9	57.8	48.7	40.2	23.1	8.6	30.4
1939	...	—	7.7	-0.7	25.6	38.9	53.0	61.4	60.2	48.3	33.6	20.5	9.2	...
1940	1.2	1.0	...	13.8	23.2	42.0	51.7	58.5	58.0	50.4	34.8	21.0	1.0	29.7
Mean	-2.9	—	2.3	10.4	27.3	41.0	53.4	59.8	58.4	49.3	36.5	19.3	3.2	*29.4

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.90	0.95	0.80	1.66	2.70	2.17	5.20	2.04	5.28	5.00	3.07	1.50	31.27
1932	2.60	1.20	1.19	1.34	1.99	2.85	5.69	8.05	4.88	8.17	3.52	2.62	44.10
1933	...	2.05	1.70	1.62	2.37	2.52	3.27	3.68	2.59	...	3.55	1.20	...
1934	1.40	1.25	0.60	0.95	1.15	2.33	2.44	4.13	4.70	3.81	3.18	1.43	27.37
1935	2.73	1.19	1.40	1.24	1.46	4.63	5.49	3.55	3.21	3.76	2.78	1.32	32.76
1936	1.36	3.24	5.11	3.27	3.90	1.87	2.39	4.62	0.50	4.59	3.10	3.75	37.70
1937	4.25	2.20	1.80	0.67	2.24	3.65	3.01	5.63	...	4.87	4.64	2.25	...
1938	2.28	1.90	2.69	2.71	0.76	1.75	6.60	4.42	2.61	1.55	2.96	3.23	33.46
1939	...	2.52	1.05	1.33	1.96	2.73	3.18	3.47	1.83	3.56	1.75	3.50	...
1940	2.75	0.75	3.11	1.65	3.16	4.66	2.97	3.39	1.34	1.48	0.54	...	...
Mean	2.28	1.72	1.94	1.64	2.17	2.92	4.02	4.30	2.99	4.09	2.91	2.31	†33.29

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## MONTREAL, CANADA

Lat. 45°30' N. Long. 73°35' W. H<sub>b</sub> = 187 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h 45^m + 19^h 45^m)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.74	.81	.73	.74	.68	.74	.65	.79	.74	.75	.82	.95	.76
1932	.85	.76	.74	.70	.78	.62	.55	.71	.82	.76	.98	.86	.76
1933	.74	.70	.73	.76	.71	.67	.78	.78	.70	.88	.71	.90	.75
1934	.87	.94	.94	.77	.75	.66	.72	.80	.89	.80	.89	.84	.82
1935	.95	.83	.83	.72	.76	.74	.75	.79	.82	.93	.94	.82	.82
1936	.75	.83	.68	.75	.75	.69	.65	.79	.88	.81	.78	1.02	.78
1937	1.02	.76	.69	.83	.74	.70	.73	.84	.83	.79	.79	.87	.80
1938	.84	1.01	.77	.80	.72	.76	.73	.73	.81	.91	.89	.83	.82
1939	.80	.85	.86	.72	.74	.75	.74	.76	.80	.78	.95	.61	.78
1940	.76	.80	.70	.75	.73	.65	.80	.90	.81	.86	.84	.87	.79
Mean	.83	.83	.77	.75	.74	.70	.71	.79	.81	.83	.86	.86	.79

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.4	18.5	33.9	40.9	57.1	66.7	73.7	69.0	61.7	51.3	41.5	24.7	46.1
1932	26.4	17.9	23.2	39.6	57.0	65.6	68.4	70.0	61.0	49.2	31.6	26.0	44.7
1933	25.8	21.6	26.0	42.8	57.1	68.7	69.8	68.3	61.5	46.8	25.7	10.9	43.8
1934	14.0	3.8	23.9	42.0	58.6	66.3	71.2	64.9	63.6	44.6	37.6	15.6	42.2
1935	8.7	15.9	27.6	43.3	52.4	65.2	72.4	69.2	56.5	48.2	37.4	16.2	42.8
1936	13.3	12.5	33.3	40.6	56.0	65.4	68.3	65.5	59.4	45.6	29.1	22.8	42.7
1937	23.8	22.8	23.5	42.8	58.6	66.4	72.0	72.4	59.2	47.0	36.0	19.1	45.3
1938	14.4	17.2	27.2	44.8	55.3	67.3	70.5	70.9	56.6	50.5	37.9	24.3	44.7
1939	14.9	15.6	22.8	36.8	56.0	64.9	70.6	71.4	57.9	47.0	32.6	22.0	42.7
1940	10.8	17.6	23.9	39.8	56.3	64.0	70.5	68.2	60.1	45.4	33.4	21.0	42.6
Mean	16.7	16.3	26.5	41.3	56.4	66.0	70.7	69.0	59.7	47.6	34.3	20.3	43.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.20	3.12	1.62	2.82	2.74	3.81	4.23	1.75	7.44	3.91	2.68	3.17	40.49
1932	4.57	3.14	5.70	3.73	2.11	5.49	3.34	3.36	2.23	6.13	4.96	2.93	47.74
1933	2.12	2.21	3.41	4.12	7.24	1.70	3.66	5.57	2.10	2.59	2.96	4.41	42.09
1934	2.91	2.17	4.25	3.10	1.13	6.17	1.70	2.32	4.82	2.25	2.72	3.19	36.73
1935	5.15	2.23	1.66	4.16	2.19	5.09	5.58	4.02	5.54	2.12	2.80	1.62	42.16
1936	3.90	3.31	6.49	5.70	4.03	2.88	4.71	4.21	2.44	6.51	4.07	3.17	51.42
1937	5.06	2.64	3.65	3.23	4.52	4.30	5.05	3.51	3.19	4.53	3.87	3.76	47.31
1938	2.46	3.36	3.07	4.45	3.72	3.36	3.44	5.88	6.44	1.22	1.85	3.66	42.91
1939	3.50	4.39	2.81	2.93	2.93	4.17	4.71	4.29	4.56	3.58	1.58	3.57	43.02
1940	1.71	1.86	3.35	3.30	1.66	2.89	6.94	1.95	1.66	2.06	5.36	3.95	36.69
Mean	3.46	2.84	3.60	3.75	3.23	3.99	4.34	3.69	4.05	3.49	3.28	3.34	43.06

## MOOSONEE, CANADA

Lat. 51°31' N. Long. 80°31' W. H<sub>b</sub> = 29 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(6^h 45^m + 18^h 45^m)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	1.08	.93	...
1933	.95	.92	1.09	.96	1.04	.88	.93	.89	.81	.95	.95	1.11	.96
1934	1.01	1.14	1.11	.85	.91	.85	.85	.86	.94	...	...	...	...
1935	...	...	1.03	1.14	1.06	.78	...	...	...	...	...	...	...
1936	1.04	.96	.79	.93	.99	.85	.87	.91	.96	.88	.97	1.04	.93
1937	1.06	.86	1.06	1.01	.95	.82	.87	.91	.91	.80	.83	.98	.92
1938	.95	1.26	.85	.96	.96	.84	.86	.83	.90	.95	.93	.89	.93
1939	.96	1.01	1.09	...	...	.90	.85	.88	.91	.89	1.09	.83	...
1940	.95	1.11	1.00	1.06	.96	.77	.92	1.00	.91	1.00	1.01	1.03	.98
Mean	.99	1.04	1.00	.99	.98	.84	.88	.90	.91	.91	.98	.97	*.95

TEMPERATURE IN DEGREES F. h<sub>r</sub> = 5 ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	18.4	1.9	...
1933	-4.3	-4.1	7.1	27.9	37.8	51.6	60.0	60.1	51.8	36.2	5.6	-9.8	26.7
1934	-4.7	-12.6	7.0	28.6	37.8	52.8	59.3	55.4	50.0	...	...	...	...
1935	...	...	7.2	23.8	39.4	55.0	...	...	...	...	...	...	...
1936	-9.6	-7.0	16.7	22.7	36.6	50.4	58.3	56.8	49.4	31.0	10.5	5.0	26.7
1937	-6.7	7.5	4.6	31.2	45.8	55.6	59.0	61.8	48.2	37.2	23.4	3.8	31.0
1938	-5.6	-2.4	17.2	25.6	44.6	54.6	58.4	59.5	51.0	43.0	18.2	10.6	31.2
1939	-5.6	9.2	-2.2	...	39.8	52.9	60.0	60.1	48.4	33.8	24.2	12.6	...
1940	-1.1	1.4	8.7	22.4	40.6	51.7	60.8	59.6	52.2	37.1	19.8	5.0	29.8
Mean	-5.4	-3.8	8.3	26.0	40.3	53.1	59.4	59.0	50.1	36.4	17.2	4.2	*28.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	1.11	2.23	...
1933	3.11	0.68	0.97	2.06	2.00	3.39	2.76	2.74	1.68	4.50	2.29	0.98	27.16
1934	0.83	0.59	0.50	2.24	2.81	1.96	4.53	3.28	5.91	...	...	...	...
1935	...	...	0.92	0.03	2.13	2.77	...	...	...	...	...	...	...
1936	0.48	1.55	2.61	0.97	2.94	1.96	2.12	3.01	3.09	3.79	1.84	2.55	26.91
1937	2.76	1.56	1.25	1.50	2.73	3.93	1.02	5.31	3.54	4.08	3.23	2.44	33.35
1938	2.23	0.99	1.09	1.65	0.45	5.70	2.38	4.96	2.11	2.32	3.30	2.47	29.65
1939	1.07	2.25	0.98	...	2.23	2.56	4.26	3.48	3.18	3.16	0.66	3.37	...
1940	2.33	1.27	2.08	3.07	3.18	4.36	1.57	1.54	3.79	3.06	2.94	1.56	30.75
Mean	1.83	1.27	1.30	1.65	2.31	3.33	2.66	3.47	3.33	3.48	2.20	2.23	†29.06

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## NATASHQUAN, CANADA

Lat. 50°14' N. Long. 61°48' W. H = 20 ft.

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.6	14.8	28.8	34.0	43.8	52.4	59.8	57.9	50.9	41.8	32.2	14.0	36.7
1932	8.8	-0.2	25.3	34.0	43.0	51.2	57.8	61.0	53.4	42.1	26.8	10.6	34.5
1933	10.9	16.0	19.9	33.0	39.7	50.0	58.4	54.2	47.0	40.2	18.4	-1.8	32.2
1934	1.6	-0.6	12.7	32.0	37.7	49.1	57.8	53.2	52.6	38.6	27.4	10.5	31.0
1935	2.8	2.6	11.7	31.1	39.9	52.5	56.5	59.8	49.3	39.8	27.2	20.6	32.8
1936	12.3	9.7	27.0	31.6	39.8	52.4	58.5	56.1	49.2	37.8	23.6	14.2	34.4
1937	3.4	12.7	22.6	32.4	42.8	52.0	61.2	59.5	51.4	40.6	29.4	16.9	35.4
1938	10.7	3.6	14.8	28.8	41.6	54.0	58.9	58.2	50.0	40.2	26.0	16.0	33.6
1939	10.4	3.6	8.7	27.7	37.4	48.8	59.3	57.5	48.6	39.0	25.7	21.6	32.4
1940	12.6	12.4	25.6	32.5	42.0	51.3	51.0	56.1	51.0	37.5	27.6	10.2	34.2
Mean	8.3	7.5	19.7	31.7	40.8	51.4	57.9	57.4	50.3	39.8	26.4	13.3	33.7

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.38	2.87	2.60	4.16	1.82	3.04	6.59	1.85	4.46	3.87	1.67	2.25	39.56
1932	4.80	2.43	6.21	4.29	2.60	6.42	4.98	5.19	3.13	4.09	2.89	3.47	50.50
1933	4.55	8.83	2.80	1.51	3.40	2.67	0.81	1.71	5.02	6.81	5.64	2.60	46.35
1934	2.24	3.50	3.10	3.94	4.42	3.29	2.88	4.26	1.93	2.13	3.45	2.57	37.71
1935	4.10	0.30	2.30	3.57	2.51	2.48	0.94	1.76	2.12	2.04	2.03	0.85	25.00
1936	5.70	4.30	3.46	2.87	2.95	7.64	6.54	1.77	3.05	3.04	3.64	3.85	48.81
1937	6.35	3.60	2.02	2.40	3.78	6.63	2.62	4.02	4.41	4.33	5.69	4.62	50.47
1938	5.30	2.10	0.60	3.52	2.68	1.59	4.37	3.92	2.27	2.08	2.22	3.49	34.14
1939	4.60	3.30	4.40	2.61	2.05	2.90	5.47	4.85	5.46	6.19	3.19	2.63	47.65
1940	1.30	1.30	5.41	2.05	3.56	4.36	1.85	0.80	6.93	2.00	4.35	2.40	38.31
Mean	4.33	3.25	3.29	3.09	2.98	4.10	3.71	3.81	3.88	3.66	3.48	2.87	41.65

## NOTTINGHAM ISLAND, CANADA

Lat. 63°7' N. Long. 77°56' W. H<sub>b</sub> = 54 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(6^h 45^m + 18^h 45^m)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.67	.91	1.18	.90	.94	.73	.77	.78	.82	.78	.53	.72	.81
1932	.83	.77	.90	.97	.85	.87	.71	.82	.66	.73	.77	.53	.78
1933	.69	.77	1.09	1.07	.98	.85	.79	.67	.77	.78	.67	.81	.83
1934	.72	.74	.81	.87	.82	.83	.75	.59	.79	.73	.79	.82	.77
1935	.92	.62	.93	1.09	1.20	.86	.65	.73	.80	.56	.70	.93	.83
1936	.89	.86	.84	.74	.89	.66	.89	.68	.59	.67	.58	.86	.76
1937	.76	.90	.96	1.12	.89	.77	.67	.66	.69	.73	.75	.99	.82
1938	.83	.99	.72	.74	1.02	.74	.74	.64	.63	.55	.61	.79	.75
1939	.64	.73	.95	.92	.90	.84	.64	.86	.67	.68	.78	.82	.79
1940	.90	.82	1.01	1.00	1.04	.71	.71	.77	...	...	...	...	...
Mean	.78	.81	.94	.94	.95	.79	.73	.72	.71	.69	.69	.81	*.80

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 3 ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-10.8	-13.5	- 5.8	8.1	27.6	35.8	47.2	45.5	36.5	27.0	13.9	- 0.8	17.6
1932	-13.5	-19.9	- 5.6	9.8	29.4	35.7	42.6	44.8	36.8	27.0	12.0	- 5.6	16.1
1933	-15.8	-14.8	- 1.0	10.4	22.2	33.4	42.8	41.9	35.0	25.6	2.8	- 5.6	13.9
1934	-17.5	-18.9	-13.0	8.7	21.4	35.0	43.0	42.3	33.5	26.0	9.8	-11.3	13.2
1935	-26.4	-18.2	- 9.3	11.4	25.6	36.9	42.5	44.6	38.6	26.8	4.4	0.7	14.8
1936	-13.1	- 8.6	1.7	8.8	19.5	34.8	45.9	39.1	34.9	20.4	1.4	- 9.2	14.6
1937	-19.8	-11.9	3.4	14.0	26.2	36.2	41.8	40.8	33.8	26.0	10.5	- 4.4	16.4
1938	- 6.0	-16.2	- 6.2	3.6	29.0	35.6	44.2	40.8	34.6	25.0	13.4	1.0	16.6
1939	-12.8	-19.4	-14.8	12.7	25.6	34.6	39.7	43.4	33.6	24.2	16.3	- 0.9	15.2
1940	3.3	- 9.1	1.3	13.0	25.6	33.8	41.7	40.8	...	...	...	...	...
Mean	-13.2	-15.0	- 4.9	10.0	25.2	35.2	43.1	42.4	35.3	25.3	9.4	- 5.1	*15.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 6 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	T	...	...	...	...	...	...	0.26	0.71	2.25	1.58	...
1932	0.42	0.46	0.91	1.09	0.26	0.55	1.59	2.84	4.55	1.65	1.09	1.45	16.86
1933	0.59	0.39	0.63	1.32	1.27	1.08	0.91	2.03	1.67	1.04	0.50	0.12	11.55
1934	0.37	0.14	0.12	0.67	0.52	0.87	0.75	2.36	2.05	2.01	0.96	0.27	11.09
1935	0.25	0.31	0.02	0.14	0.27	2.21	1.84	0.91	0.56	1.12	1.69	1.69	11.01
1936	0.19	0.97	1.91	1.54	2.93	0.59	0.55	3.29	3.03	1.17	0.82	1.35	18.34
1937	0.90	1.02	0.93	0.55	1.76	0.85	2.40	1.99	2.09	2.39	3.97	1.20	20.05
1938	0.75	0.85	0.50	2.12	0.79	1.08	1.68	2.34	1.95	1.73	1.21	1.21	16.21
1939	0.14	T	0.02	1.38	0.28	0.52	2.11	0.66	2.00	1.86	1.10	0.45	10.52
1940	0.60	0.56	0.85	0.92	0.66	0.97	2.62	2.55	...	...	...	...	...
Mean	0.47	0.47	0.65	1.08	0.97	0.97	1.60	2.11	2.02	1.52	1.51	1.04	†14.41

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	6.8	14.9	24.0	14.9	15.9	9.1	10.2	10.5	11.9	10.5	2.0	8.5	11.5
1932	12.2	10.2	14.6	16.9	12.9	13.5	8.5	11.9	6.8	9.1	10.5	2.0	10.8
1933	7.5	10.2	21.3	20.3	17.3	13.2	11.2	6.8	10.2	10.5	6.8	11.5	12.2
1934	8.5	9.1	11.5	13.9	12.2	12.5	9.5	4.4	10.8	8.8	11.2	11.9	10.5
1935	15.6	5.1	15.6	21.0	24.7	13.2	6.1	8.8	11.5	3.1	7.8	15.9	12.5
1936	14.6	13.2	12.5	9.1	14.2	16.4	14.2	7.1	4.1	7.1	3.7	13.2	9.8
1937	10.2	14.6	16.9	22.0	14.2	10.2	6.8	6.4	7.8	8.8	9.5	17.6	12.2
1938	12.2	17.0	8.5	9.1	18.6	9.1	9.1	6.1	5.4	3.1	4.7	10.8	9.5
1939	6.1	8.8	16.3	15.2	14.0	12.9	5.8	13.5	6.8	7.5	10.5	11.9	10.8
1940	14.9	11.9	18.3	18.3	19.6	8.1	8.1	10.2	...	...	...	...	...
Mean	10.8	11.5	15.9	15.9	16.6	10.8	8.8	8.5	8.5	7.5	7.5	11.5	11.2

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## PORT HARRISON, CANADA

Lat. 58°25' N. Long. 78°21' W. ....

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(S^h + 20^h)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	.91	1.14	.75	.86	1.05	.81	.82	.75	.76	.72	.66	.81	.84
1939	.81	.90	1.09	.98	.91	.88	.76	.91	.76	.81	.86	.87	.88
1940	.91	.97	1.00	1.06	1.11	.74	.80	1.02	.84	.88	.82	.89	.92
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES F.  $h_r = 4$  ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	45.1	41.5	33.1	18.4	— 7.3	...
1933	-16.6	-25.0	— 9.4	...	31.5	...	...	44.0	43.2	29.5	4.4	-20.3	...
1934	-17.1	-24.4	-12.7	16.7	...	39.4	47.6	46.6	30.6	32.3	15.3	1.3	...
1935	...	...	...	...	28.8	...	49.0	...	45.4	32.5	10.0	— 6.5	...
1936	...	...	...	...	...	...	...	...	40.1	25.3	4.2	— 7.8	...
1937	-21.1	— 6.2	— 0.1	15.6	32.0	42.1	47.2	...	...	32.4	21.2	1.2	...
1938	— 9.4	-14.7	— 3.6	8.7	32.0	40.9	50.6	49.4	42.0	34.0	19.7	4.6	21.2
1939	-14.6	-22.6	-19.3	10.7	27.2	38.4	45.9	...	38.9	27.2	20.9	— 0.6	...
1940	5.8	-13.5	— 4.0	13.4	27.0	40.0	47.5	...	...	...	...	...	...
Mean	-12.2	-17.7	— 8.2	13.0	29.8	40.2	48.0	46.3	41.5	30.8	14.3	— 4.4	*18.4

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	1.16	2.32	3.05	6.08	0.35	...
1934	...	...	...	...	...	...	1.86	1.31	1.91	2.28	3.85	1.80	...
1935	...	...	...	...	...	...	2.02	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	3.63	1.53	1.61	...
1938	0.37	0.40	1.02	0.79	1.13	1.06	1.59	3.05	2.36	3.64	5.28	2.09	22.78
1939	0.74	0.02	0.11	1.00	0.77	1.60	2.02	...	3.60	2.60	2.14	0.92	...
1940	1.43	0.35	1.89	1.46	0.54	1.06	1.86	...	...	...	...	...	...
Mean	0.85	0.26	1.01	1.08	0.81	1.24	1.87	1.84	2.55	3.04	3.78	1.35	†19.68

\* Mean of 12 monthly means.

† Sum of 12 monthly means.



## PRINCE ALBERT, CANADA

Lat. 53°10' N. Long. 105°45' W. H<sub>b</sub> = 1,432 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h 45^m + 17^h 45^m)$ , 105th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.35	.42	.62	.42	.39	.34	.36	.44	.32	.38	.39	.34	.40
1932	.43	.34	.54	.49	.41	.34	.34	.38	.41	.44	.44	.34	.41
1933	.23	.34	.46	.45	.36	.32	.37	.42	.22	.46	.45	.50	.38
1934	.38	.52	.52	.41	.34	.34	.38	.45	.43	.42	.40	.52	.43
1935	.57	.50	.33	.53	.50	.34	.36	.39	.42	.44	.51	.50	.45
1936	.55	.61	.31	.47	.38	.39	.39	.45	.40	.44	.52	.40	.44
1937	.55	.38	.64	.37	.40	.36	.40	.34	.50	.44	.51	.50	.45
1938	.45	.66	.25	.45	.42	.41	.40	.38	.46	.41	.40	.38	.42
1939	.34	.53	.49	.46	.36	.40	.33	.37	.38	.38	.46	.35	.40
1940	.64	.52	.51	.57	.42	.39	.47	.42	.48	.39	.60	.38	.48
Mean	.45	.48	.47	.46	.40	.36	.38	.40	.40	.42	.47	.42	.43

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.2	22.2	18.5	41.2	50.5	60.7	65.7	63.5	52.7	43.8	22.0	13.5	38.9
1932	2.2	1.3	6.9	45.1	54.9	62.1	64.3	63.8	53.0	33.9	15.9	2.2	33.8
1933	— 3.5	— 1.7	15.7	36.1	53.5	61.8	64.7	64.4	52.3	36.3	18.8	— 7.4	32.6
1934	12.7	15.2	16.4	40.1	56.6	57.0	63.6	59.8	45.6	41.8	24.3	3.8	36.4
1935	— 11.4	16.6	11.8	31.6	48.6	55.9	68.8	59.4	51.1	37.8	10.3	9.0	32.5
1936	— 11.8	— 17.0	20.6	32.2	56.1	58.6	68.7	62.8	49.6	36.3	26.2	2.1	32.0
1937	— 17.4	0.5	16.8	39.7	54.0	63.0	69.2	63.3	52.8	39.7	18.0	1.2	33.4
1938	0.8	0.3	27.2	37.1	50.8	62.1	66.7	60.7	59.6	45.0	18.2	9.3	36.5
1939	6.3	— 9.6	13.0	36.9	53.1	54.8	66.9	64.2	51.8	34.2	25.6	17.4	34.6
1940	— 0.9	9.4	18.0	36.0	55.9	56.4	64.4	65.0	58.6	42.8	13.7	7.9	35.6
Mean	— 1.1	3.7	16.5	37.6	53.4	59.2	66.3	62.7	52.7	39.2	19.3	5.9	34.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> =  $1\frac{1}{2}$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.69	0.16	0.88	0.28	0.63	2.83	1.25	1.35	2.66	0.15	0.98	1.34	13.20
1932	0.48	0.31	0.93	1.00	1.37	5.32	4.81	2.54	0.83	1.04	0.72	1.00	20.35
1933	0.96	0.60	0.73	0.47	3.25	2.21	1.39	1.74	1.90	0.99	1.24	1.61	17.09
1934	0.20	0.15	0.81	1.04	0.84	6.81	1.38	0.76	1.04	0.18	0.91	0.91	15.03
1935	0.71	0.42	0.49	1.73	1.03	3.60	2.15	2.68	0.80	1.77	0.70	0.57	16.65
1936	1.01	0.31	0.40	0.62	0.67	2.14	0.56	0.94	2.51	1.01	0.46	1.41	12.04
1937	0.69	0.71	0.27	1.17	2.44	1.05	1.46	0.46	1.71	2.03	1.66	0.90	14.55
1938	1.04	0.66	0.64	0.52	1.32	0.44	2.36	2.53	1.30	2.04	1.81	0.63	15.29
1939	0.78	0.48	0.44	0.99	1.00	4.32	1.34	0.62	0.91	0.66	0.90	1.75	14.19
1940	0.29	0.33	0.35	0.04	2.32	2.74	1.09	0.54	0.97	1.87	2.03	1.36	13.93
Mean	0.68	0.41	0.59	0.79	1.49	3.15	1.78	1.42	1.46	1.17	1.14	1.15	15.23

\* See NOTES, p. 39.

## PRINCE GEORGE, CANADA

Lat. 53°50' N. Long. 122°48' W. H<sub>b</sub> = 1,870 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(4^{\text{h}} + 16^{\text{h}})$ , 120th meridian W.

27 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.86	.89	.97	.93	.97	.88	.99	1.03	.90	.92	1.04	.75	.93
1932	.94	.83	.97	.88	.95	.95	.92	.94	1.04	1.00	.85	.98	.94
1933	.65	.97	.90	1.00	.88	.94	1.01	1.00	.81	.97	1.06	.85	.92
1934	.88	1.06	1.06	1.00	.92	.96	.96	1.06	1.01	.93	.78	1.03	.97
1935	1.08	.82	.98	1.00	.92	1.00	.99	1.01	1.03	1.05	.95	.88	.98
1936	.93	1.02	.90	.97	.91	.91	.95	1.01	1.03	1.08	1.19	.84	.98
1937	1.11	.79	.89	.79	.94	.92	1.01	.96	1.03	.95	.90	.91	.93
1938	.96	.94	.71	.92	.98	.97	1.02	1.00	.98	.91	.96	.95	.94
1939	.81	.96	.93	.97	.91	.92	.96	1.01	.97	.93	.87	.79	.92
1940	1.04	.87	.85	.97	.96	1.01	.96	.98	.99	.89	1.08	.83	.95
Mean	.93	.91	.92	.94	.93	.95	.98	1.00	.98	.96	.97	.88	.95

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	28.8	29.0	29.2	43.9	49.5	56.5	60.3	58.8	50.2	42.6	20.0	19.2	40.7
1932	16.9	18.3	28.0	42.5	49.8	57.7	56.8	60.8	51.1	40.2	30.0	11.9	33.7
1933	17.9	18.5	27.5	39.5	48.4	52.7	57.6	60.8	48.3	37.7	30.4	—0.2	37.3
1934	26.2	26.6	32.5	46.8	51.4	56.0	58.8	59.4	48.3	42.3	33.6	16.6	41.6
1935	5.3	28.3	23.8	33.4	49.2	56.0	61.2	56.6	51.4	38.9	24.0	28.6	38.0
1936	19.4	—0.4	28.5	40.5	54.8	58.7	59.8	59.9	49.3	43.5	32.2	17.8	37.5
1937	—4.2	12.2	36.3	41.5	49.3	57.6	60.0	55.0	52.8	44.4	26.4	19.0	37.5
1938	21.9	14.8	32.5	41.6	49.5	57.0	61.4	57.3	57.1	44.0	27.5	19.9	40.4
1939	24.1	12.8	28.0	41.2	50.6	55.7	60.0	59.0	51.2	40.8	39.4	31.8	41.2
1940	12.1	21.3	36.4	43.1	51.6	55.3	61.4	59.4	55.1	42.9	20.5	24.8	40.3
Mean	16.4	17.2	30.3	41.4	50.4	56.3	59.7	58.7	51.5	41.7	29.3	18.9	39.3

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 6 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.94	0.50	2.16	0.22	2.07	2.81	2.31	1.07	1.82	2.08	2.49	1.34	19.81
1932	1.53	2.71	2.41	1.15	0.72	0.35	5.08	2.97	2.05	2.13	4.33	1.98	27.41
1933	2.26	2.07	1.41	1.23	1.91	4.06	1.46	0.53	3.49	3.02	2.60	3.76	27.80
1934	1.57	0.65	1.88	0.26	2.91	1.87	3.92	1.16	4.99	3.64	2.43	1.80	27.08
1935	3.19	1.55	2.11	0.89	2.24	3.48	1.35	1.55	1.21	1.94	4.52	1.50	26.53
1936	2.44	2.26	2.01	0.83	1.47	3.64	2.81	2.56	2.26	1.66	1.22	1.89	25.05
1937	2.89	1.09	0.71	2.21	1.96	3.48	1.95	3.61	1.55	2.65	1.32	1.15	24.57
1938	1.15	1.74	1.23	0.66	1.28	1.17	1.56	2.07	2.68	1.96	2.02	3.54	20.96
1939	2.26	3.35	0.98	2.57	2.19	1.56	3.16	0.84	2.18	2.50	3.21	3.11	27.91
1940	3.20	1.44	3.19	2.96	1.92	1.63	4.59	1.85	1.45	2.29	2.53	1.68	28.73
Mean	2.14	1.74	1.81	1.29	1.87	2.40	2.82	1.82	2.37	2.33	2.67	2.17	25.48

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.5	13.2	16.3	13.5	14.9	14.9	14.9	16.3	12.2	13.2	18.3	9.8	13.9
1932	16.3	12.2	16.3	11.9	13.5	12.5	12.5	12.9	17.3	16.6	12.2	18.3	14.6
1933	5.8	17.3	13.9	16.6	13.5	15.9	15.9	15.2	8.8	15.6	18.6	14.6	13.9
1934	13.2	19.6	19.0	15.9	13.9	13.5	17.3	16.3	13.9	8.8	19.6	19.6	15.2
1935	20.0	11.2	16.6	15.9	14.9	14.9	14.9	15.9	17.6	19.6	13.9	13.2	15.6
1936	15.2	21.7	13.9	15.6	11.9	13.2	13.2	15.6	16.9	19.3	24.9	12.2	15.9
1937	24.7	11.2	12.9	8.8	12.5	15.9	15.9	13.9	16.6	14.2	13.9	14.9	14.6
1938	16.3	16.6	6.8	13.5	14.2	15.6	15.6	15.2	14.9	12.9	15.9	16.6	14.6
1939	10.8	17.3	14.9	15.2	11.9	14.2	14.2	15.6	14.9	13.9	11.5	9.8	13.5
1940	20.0	13.2	11.2	15.2	15.9	13.5	13.5	14.6	15.2	11.9	20.7	11.5	14.9
Mean	15.6	15.2	14.2	14.2	13.5	14.6	14.6	15.2	14.9	15.2	15.6	13.9	14.6

PRINCE RUPERT, CANADA

Lat. 54°18' N. Long. 130°18' W.  $h_b = 170$  ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(4^h + 16^h)$ , 120th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.54	.63	.76	.71	.87	.78	.91	.92	.73	.68	.78	.43	.73
1932	.71	.64	.72	.70	.84	.85	.79	.82	.86	.76	.52	.69	.74
1933	.83	.80	.65	.89	.72	.81	.88	.86	.58	.73	.83	.51	.72
1934	.58	.75	.83	.86	.77	.84	.84	.95	.84	.65	.44	.69	.75
1935	.58	.80	.62	.82	.92	.76	.91	.87	.82	.84	.84	.51	.77
1936	.62	.72	.76	.82	.78	.74	.79	.85	.85	.90	.92	.54	.77
1937	.93	.51	.64	.58	.81	.78	.92	.81	.87	.68	.56	.62	.73
1938	.67	.59	.46	.67	.88	.87	.91	.90	.79	.61	.75	.68	.73
1939	.55	.77	.76	.82	.78	.83	.86	.87	.83	.74	.55	.42	.73
1940	.68	.56	.65	.77	.83	.90	.86	.80	.79	.59	.78	.52	.73
Mean	.62	.68	.68	.76	.82	.82	.87	.86	.80	.72	.70	.56	.74

TEMPERATURE IN DEGREES F.  $h_t = 4\frac{1}{2}$  ft.

Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	42.6	39.7	40.5	45.6	48.6	54.3	58.4	57.7	53.4	47.5	37.9	37.6	47.0
1932	33.5	35.3	40.4	45.9	48.5	52.9	54.2	56.8	51.6	48.3	40.4	34.0	45.2
1933	34.2	33.9	38.5	41.9	48.2	50.6	53.2	59.4	50.8	43.9	43.8	25.7	43.7
1934	37.2	41.7	41.3	45.2	49.4	52.3	55.3	57.5	52.5	47.2	43.3	36.1	46.6
1935	31.3	40.0	34.4	40.9	46.8	51.6	56.1	55.8	52.9	44.0	39.4	40.6	44.5
1936	34.4	23.4	33.9	42.0	47.8	55.0	55.8	58.4	...	49.2	44.1	34.7	...
1937	30.6	31.8	43.1	43.5	48.4	54.0	56.8	55.7	55.8	51.4	42.7	...	...
1938	39.2	36.8	40.4	45.0	48.6	51.6	56.0	57.0	59.7	49.8	41.2	38.5	47.0
1939	30.6	34.6	38.4	42.8	48.7	52.1	56.2	56.0	52.8	46.6	...	42.2	...
1940	41.4	38.7	42.6	47.3	49.8	52.4	57.4	56.2	56.0	49.8	40.2	39.6	47.6
Mean	36.4	35.6	39.4	44.0	48.5	52.7	55.9	57.0	53.9	47.8	41.4	36.6	*45.8

TOTAL PRECIPITATION IN INCHES.  $h_r = 4\frac{1}{2}$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	14.08	8.80	6.80	10.73	8.42	1.77	2.87	5.70	8.10	13.41	9.47	11.28	101.43
1932	13.03	11.81	6.60	3.26	5.94	4.77	11.04	5.57	16.60	12.85	17.66	8.68	117.81
1933	9.81	6.96	6.89	7.44	5.23	6.28	6.16	4.52	9.31	13.83	25.53	4.86	106.82
1934	22.97	5.65	8.10	5.53	5.80	5.70	4.11	2.89	9.85	12.57	9.20	7.81	100.18
1935	6.84	3.50	3.35	0.93	1.78	2.93	2.81	6.19	6.21	12.64	12.06	13.24	72.48
1936	6.36	3.79	7.89	6.23	9.08	4.09	5.77	4.30	7.79	11.89	10.65	11.68	89.52
1937	4.72	6.94	4.51	6.11	5.19	4.01	4.25	8.52	3.12	10.87	4.43	9.54	72.21
1938	8.61	1.83	4.68	7.52	4.20	3.75	2.99	3.20	8.33	9.27	10.59	10.57	75.54
1939	10.55	11.03	7.45	11.43	9.32	3.91	3.57	6.81	9.86	14.69	18.63	11.71	118.96
1940	5.65	3.79	8.16	9.65	6.07	6.62	2.89	13.41	3.96	9.77	8.99	13.84	92.80
Mean	10.26	6.41	6.44	6.88	6.10	4.38	4.65	6.11	8.31	12.18	12.72	10.32	94.77

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	6.8	9.8	14.2	12.5	18.2	14.9	19.3	19.3	13.2	11.5	14.9	3.1	13.2
1932	12.5	10.2	12.9	12.2	16.9	17.3	15.2	15.9	17.6	14.2	6.1	11.9	13.5
1933	1.4	15.6	13.9	18.6	12.9	15.9	18.0	17.6	7.8	13.2	16.6	5.8	12.9
1934	8.1	13.9	16.6	17.6	14.6	16.9	16.6	20.3	16.6	10.5	3.4	11.9	13.9
1935	8.1	15.6	9.5	16.3	19.3	14.2	19.0	17.6	16.3	16.9	16.9	5.8	14.6
1936	9.5	13.2	14.2	16.6	14.9	13.5	14.9	16.6	17.3	19.0	19.6	6.8	14.6
1937	20.0	6.1	10.2	8.1	15.9	14.9	19.3	15.9	18.0	11.0	7.8	9.5	13.2
1938	11.2	8.8	4.1	11.2	18.3	18.0	19.0	19.0	15.2	9.1	13.9	11.5	13.2
1939	7.1	14.6	14.2	16.3	15.2	16.3	17.6	18.0	16.6	13.2	7.1	2.7	13.2
1940	11.5	7.5	10.5	14.6	16.6	19.0	17.6	15.6	14.9	8.5	14.9	6.1	13.2
Mean	9.5	11.5	11.9	14.6	16.3	15.9	17.6	17.6	15.2	12.9	12.2	7.5	13.5

\* Mean of 12 monthly means.

## QU'APPELLE, CANADA

Lat. 50°31' N. Long. 103°56' W. H<sub>b</sub> = 2,147 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h 45^m + 17^h 45^m)$ , 105th meridian W.  
27 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.60	.69	.82	.70	.65	.62	.65	.73	.61	.66	.64	.60	.66
1932	.62	.56	.72	.70	.69	.60	.61	.67	.71	.70	.69	.58	.65
1933	.43	.56	.68	.67	.60	.61	.65	.71	.51	.69	.68	.66	.62
1934	.62	.77	.75	.68	.62	.62	.69	.73	.68	.69	.64	.70	.68
1935	.71	.76	.53	.70	.77	.59	.68	.68	.68	.69	.73	.72	.69
1936	.70	.74	.53	.74	.65	.66	.66	.73	.66	.69	.68	.61	.67
1937	.71	.59	.84	.63	.67	.65	.69	.64	.76	.70	.71	.68	.69
1938	.65	.81	.51	.68	.64	.68	.69	.66	.77	.71	.63	.61	.67
1939	.55	.69	.71	.70	.61	.64	.65	.68	.67	...	...	.62	...
1940	.86	.73	.73	.79	.71	*.66	...	...	...	...	...	...	...
Mean	.64	.69	.68	.70	.66	.63	.66	.69	.67	.69	.68	.64	†.67

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max.+mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.2	25.9	20.7	42.2	50.8	63.7	65.8	63.7	54.1	43.6	22.8	19.0	40.9
1932	5.5	8.7	11.8	39.6	53.7	61.9	65.1	63.4	53.8	33.2	18.6	7.2	35.2
1933	3.9	2.8	22.4	35.2	52.6	64.0	65.4	64.2	52.3	35.6	24.1	-0.2	35.2
1934	12.6	17.2	23.2	40.8	56.9	57.0	64.7	60.9	46.4	44.5	28.0	7.9	38.3
1935	— 4.5	18.2	16.1	34.6	47.4	55.3	67.4	59.6	52.4	37.9	12.2	11.8	34.0
1936	— 8.6	—16.5	20.7	30.6	56.4	58.5	71.4	62.8	53.2	37.8	27.6	8.6	33.5
1937	—13.3	2.8	19.3	39.0	52.9	62.8	69.8	65.8	53.3	41.0	21.4	7.1	35.2
1938	5.2	2.8	27.6	37.6	49.4	60.8	66.6	62.8	61.1	47.6	19.2	13.3	37.8
1939	9.8	— 7.6	17.0	39.4	55.0	55.0	68.0	64.6	54.2	36.0	32.8	22.7	37.2
1940	0.8	10.2	18.9	34.6	55.3	58.0	65.3	64.7	58.8	47.8	15.5	14.1	37.0
Mean	3.0	6.4	19.8	37.4	53.0	59.7	66.9	63.2	54.0	40.5	22.2	11.2	36.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.44	0.22	1.02	T	0.40	1.54	1.80	2.45	1.25	0.48	0.64	0.48	10.72
1932	0.62	0.59	1.26	1.01	1.97	4.18	1.58	2.82	0.26	1.13	2.26	0.66	18.34
1933	0.80	0.74	0.53	2.10	3.90	2.63	0.80	2.96	1.73	0.82	0.86	1.34	19.21
1934	0.79	0.12	0.37	0.53	0.80	3.96	1.26	1.26	1.62	0.05	0.31	0.48	11.55
1935	1.92	0.03	1.31	1.10	3.05	5.54	2.38	3.56	0.92	1.43	1.52	0.30	23.06
1936	1.00	0.91	3.05	0.50	1.72	3.24	1.79	1.35	0.61	0.72	0.29	1.07	16.25
1937	1.18	0.73	0.14	0.29	0.94	1.08	1.07	0.68	2.36	0.69	0.63	0.75	10.54
1938	1.58	2.08	2.45	0.96	2.01	2.92	0.96	0.95	0.89	0.52	2.00	1.45	18.77
1939	0.79	1.44	0.48	0.65	1.36	5.46	1.21	1.19	0.58	1.02	0.17	1.18	15.53
1940	0.48	1.37	1.55	1.14	1.70	3.65	2.90	1.49	2.21	2.93	1.32	1.02	21.76
Mean	0.96	0.82	1.22	0.83	1.78	3.42	1.58	1.87	1.24	0.98	1.00	0.87	16.57

\* Classification changed; barometer readings discontinued.

† Mean of 12 monthly means.

RESOLUTION ISLAND, CANADA

Lat. 60°18' N. Long. 64°53' W. H<sub>0</sub> = 127 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(8^b + 20^h)$ , 60th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.53	.78	1.15	.82	.81	.77	.75	.78	.66	.75	.47	.65	.74
1932	.63	.51	.69	.80	.83	.74	.63	.70	.61	.52	.54	.30	.62
1933	.45	.58	.81	.82	.70	.66	.63	.51	.61	...	...	...	...
1934	...	...	...	...	...	...	...	.51	.65	.63	.46	.55	...
1935	.64	.39	.69	.86	.87	.73	.54	.61	.66	.43	.48	.72	.64
1936	.66	.55	.73	.61	.59	.44	.72	.51	.49	.36	.33	.58	.55
1937	.49	.64	.68	.86	.72	.69	.63	.58	.54	.81	.37	.68	.64
1938	.47	.62	.43	.46	.70	.54	.48	.44	.32	.26	.32	.54	.46
1939	.39	.50	.58	.66	.50	.64	.50	.60	.45	.38	.46	.41	.51
1940	.76	.58	.75	.81	.88	.57	.56	.61	...	...	...	...	...
Mean	.56	.57	.72	.74	.73	.64	.60	.58	.55	.52	.43	.55	*.60

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.

Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.9	0.0	5.7	15.7	29.1	35.0	40.2	41.2	36.7	29.8	20.5	5.5	21.8
1932	— 5.6	—5.7	6.7	17.5	29.9	34.3	39.7	39.9	36.8	30.5	18.3	5.1	20.6
1933	— 5.9	1.5	9.8	17.7	25.8	31.8	38.5	38.4	35.2	...	...	...	...
1934	...	...	...	...	...	...	...	37.3	33.6	28.8	22.3	4.4	...
1935	—11.7	—8.1	1.8	20.9	27.4	34.8	37.6	40.0	37.0	29.9	18.6	12.7	20.1
1936	6.4	5.9	9.3	15.8	23.0	33.6	39.6	37.2	34.4	27.1	14.6	3.5	20.9
1937	— 3.8	0.4	13.4	14.8	26.5	33.2	36.2	36.4	34.4	27.8	24.0	8.8	21.0
1938	2.2	—7.7	4.1	10.1	28.2	32.4	36.7	37.2	34.4	28.7	20.8	9.2	19.7
1939	0.9	—9.8	—2.0	18.8	27.4	32.8	38.5	40.0	34.8	28.4	23.4	11.6	20.4
1940	11.4	—1.0	11.4	20.6	26.4	32.4	36.0	37.0	...	...	...	...	...
Mean	— 0.5	—2.7	6.7	16.9	27.1	33.4	38.1	38.5	35.3	28.9	20.3	7.6	*20.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.77	2.24	0.58	0.87	2.48	1.81	1.82	0.91	3.42	0.52	0.47	0.23	16.12
1932	0.61	1.04	1.68	2.26	1.57	1.70	2.26	2.24	3.05	1.65	2.63	1.74	22.43
1933	0.48	1.56	0.63	1.04	0.84	0.76	1.79	1.85	2.07	...	...	...	...
1934	...	...	...	...	...	...	...	2.21	2.45	1.56	2.11	1.32	...
1935	0.40	0.75	0.22	0.60	1.06	2.67	0.88	2.56	1.38	1.98	2.19	2.30	16.99
1936	3.04	3.68	2.29	0.36	2.24	1.51	0.64	1.01	1.20	1.18	0.75	1.52	19.42
1937	0.62	0.07	0.83	0.07	1.21	1.30	1.63	1.49	2.04	0.99	1.26	0.35	11.86
1938	3.35	2.56	0.94	0.24	1.67	0.61	1.53	0.70	2.57	2.17	1.25	0.75	18.34
1939	0.91	0.30	0.95	0.58	1.51	0.52	3.09	0.69	2.49	1.16	1.02	1.34	14.56
1940	0.54	1.12	1.51	1.00	0.81	2.05	2.36	1.31	...	...	...	...	...
Mean	1.19	1.48	1.07	0.78	1.49	1.44	1.78	1.50	2.30	1.40	1.46	1.19	†17.03

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	5.1	13.2	25.7	14.9	14.6	13.2	12.5	13.5	9.5	12.5	3.1	9.1	12.2
1932	8.5	4.4	10.5	14.2	15.2	12.2	8.5	10.5	7.5	4.4	5.4	†97.3	8.1
1933	2.4	6.4	14.6	14.9	10.5	9.1	8.1	4.1	7.5	...	...	...	...
1934	...	...	...	...	...	...	...	4.1	8.8	8.5	2.7	5.8	...
1935	9.1	0.3	10.5	16.3	16.3	11.5	5.1	7.5	9.1	1.7	3.1	11.5	8.5
1936	9.5	5.8	11.5	7.8	7.1	1.7	11.2	4.1	3.7	†99.0	†98.0	6.8	5.4
1937	3.4	8.5	9.8	15.9	11.2	10.2	8.1	6.4	5.1	14.2	†99.3	9.8	8.5
1938	3.1	8.5	1.7	2.7	10.8	5.1	3.1	1.7	†97.6	†95.6	†98.0	5.4	2.7
1939	0.3	4.4	6.8	9.5	3.7	8.5	3.7	7.1	2.0	†99.7	2.4	1.0	4.1
1940	12.5	6.8	12.5	14.6	16.6	6.1	5.8	7.5	...	...	...	...	...
Mean	6.1	6.4	11.5	12.2	11.9	8.5	7.5	6.8	5.8	4.4	1.4	5.8	7.5

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

‡ 900 mb. +.

## SABLE ISLAND, CANADA

Lat. 43°56' N. Long. 60°2' W. H<sub>b</sub> = 25 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(S^h + 16^h)$ , 60th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.82	.85	.84	1.02	1.04	.95	1.01	1.02	.92	.94	1.12	.84	.95
1932	1.06	.85	.56	.86	1.02	.91	.88	1.07	1.03	1.11	1.21	1.11	.97
1933	.89	.83	.78	1.07	.96	.94	1.06	1.06	.93	1.06	.87	.95	.95
1934	1.01	.97	1.16	1.06	1.04	.93	.98	1.06	1.19	.91	1.15	.80	1.02
1935	1.07	.93	.90	.87	.89	1.02	1.06	1.01	.99	1.15	1.12	.72	.98
1936	.84	.93	1.06	.99	1.02	.99	.90	1.05	1.06	1.09	.94	1.22	1.01
1937	1.22	.81	.75	.99	.99	.97	...	1.10	1.06	1.07	1.02	.95	...
1938	1.08	1.08	.94	1.07	.95	1.03	1.06	.98	1.05	1.08	1.02	.99	1.02
1939	.83	1.01	.97	.94	.97	.95	1.00	1.04	1.00	.98	.97	.69	.95
1940	.85	.78	.86	.92	1.03	.92	1.07	1.11	1.01	.96	1.04	1.04	.96
Mean	.97	.90	.88	.98	.99	.96	1.00	1.05	1.02	1.03	1.05	.93	*.98

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	32.0	31.6	35.2	40.9	47.4	53.8	65.2	65.2	60.6	53.0	45.8	35.7	47.2
1932	33.1	24.9	32.1	38.7	43.8	51.3	59.8	65.7	60.7	52.7	44.9	37.8	45.5
1933	34.7	33.3	32.2	37.6	43.8	52.1	59.2	64.5	60.3	55.1	41.1	30.6	45.4
1934	28.3	27.0	31.4	37.6	45.7	49.7	61.0	63.8	63.7	53.6	45.8	32.2	45.0
1935	28.0	27.8	28.9	35.2	41.7	48.4	59.3	62.3	57.9	51.0	46.0	35.2	43.5
1936	32.0	26.3	35.4	38.9	44.7	54.6	59.5	63.4	58.9	51.7	45.0	36.8	45.6
1937	32.2	31.7	32.2	37.2	44.2	54.7	...	66.2	64.0	53.4	45.0	37.6	...
1938	31.0	26.2	30.2	39.2	43.1	54.2	61.4	66.4	62.9	54.6	46.2	37.0	46.0
1939	29.4	28.9	29.0	36.9	41.1	47.8	57.6	65.3	60.2	53.2	42.2	36.0	44.0
1940	28.4	28.6	32.7	36.0	44.4	60.3	58.7	62.4	60.9	50.7	44.0	34.8	44.3
Mean	30.9	28.6	31.9	37.8	44.0	51.7	60.2	64.5	61.0	52.9	44.6	35.4	*45.3

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 5½ ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5.52	3.24	2.08	3.44	2.39	2.66	4.28	2.96	7.66	4.16	1.78	7.36	47.53
1932	4.29	3.96	4.72	2.22	2.85	2.03	4.13	1.89	6.42	1.06	5.49	3.80	42.86
1933	4.14	7.58	3.39	2.10	3.50	5.97	1.89	6.34	6.37	4.07	5.73	1.68	52.76
1934	5.72	6.01	4.35	4.18	3.85	2.73	3.74	2.33	1.32	4.73	9.35	8.90	57.21
1935	7.22	5.76	2.63	1.72	4.66	3.22	3.97	2.48	5.74	5.00	5.36	5.65	53.41
1936	5.70	3.91	4.65	3.77	1.17	5.40	0.94	4.38	4.19	4.37	7.03	3.67	49.18
1937	4.23	5.26	4.61	2.83	4.10	2.52	...	4.10	4.64	9.58	11.54	12.51	...
1938	7.26	4.93	4.45	4.56	5.95	2.44	4.06	5.86	4.04	3.01	4.27	6.32	57.15
1939	4.73	4.07	3.04	4.45	3.26	0.95	2.57	2.71	2.19	8.14	4.12	5.94	46.17
1940	1.51	5.95	5.11	4.58	4.57	6.62	3.20	0.78	2.65	3.39	2.75	5.69	46.80
Mean	5.03	5.07	3.90	3.38	3.63	3.45	3.20	3.38	4.52	4.75	5.74	6.15	†52.20

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

ST. JOHNS, NEWFOUNDLAND

Lat. 47°34' N. Long. 52°42' W. H<sub>b</sub> = 243 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}$ (7<sup>h</sup> 40<sup>m</sup> + 19<sup>h</sup> 40<sup>m</sup>), Newfoundland standard time  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	.94	.93	.68	...
1932	.89	.74	.53	.95	.95	.92	.91	1.05	1.12	1.06	1.17	.96	<b>.94</b>
1933	.84	.76	.76	1.02	.76	.92	.98	1.02	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	1.10	.55	...
1935	.97	.76	.69	.78	.72	1.06	1.03	1.01	.88	1.10	1.19	.60	<b>.90</b>
1936	.67	.81	1.09	.94	1.00	1.02	.89	.98	.96	1.04	.89	1.09	<b>.95</b>
1937	1.03	.75	.66	.92	1.07	1.01	.92	1.04	1.06	1.05	.99	.90	<b>.95</b>
1938	.94	.88	.84	1.04	.88	.98	1.05	.96	1.04	.99	.94	.83	<b>.95</b>
1939	.68	.91	.83	.84	.91	.88	1.03	1.04	.94	.96	.80	.61	<b>.87</b>
1940	.54	.50	.77	.91	1.00	.92	1.03	1.02	1.01	.81	.89	.84	<b>.85</b>
Mean	<b>.82</b>	<b>.76</b>	<b>.77</b>	<b>.92</b>	<b>.91</b>	<b>.96</b>	<b>.98</b>	<b>1.02</b>	<b>1.00</b>	<b>.99</b>	<b>.99</b>	<b>.78</b>	<b>*.91</b>

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 4½ ft.

Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	46.0	39.7	28.0	...
1932	23.3	17.8	29.5	39.0	42.6	49.4	62.1	61.9	57.8	50.2	37.5	28.7	<b>41.6</b>
1933	27.1	28.8	27.2	35.8	42.0	53.1	60.3	60.1	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	41.0	26.3	...
1935	26.0	20.7	23.0	33.0	40.0	53.9	60.5	61.9	52.2	46.6	40.2	32.6	<b>41.9</b>
1936	27.3	23.5	35.9	37.1	43.6	57.9	59.1	60.6	52.9	46.5	38.4	30.1	<b>42.7</b>
1937	22.5	26.7	27.7	33.0	46.4	57.0	62.2	64.8	59.2	48.2	37.2	31.0	<b>43.0</b>
1938	23.7	18.9	24.8	34.9	43.1	57.0	62.8	63.7	58.8	48.2	38.0	31.3	<b>42.1</b>
1939	23.8	20.8	23.0	34.2	40.6	46.1	59.5	60.1	53.3	46.1	35.6	32.1	<b>39.6</b>
1940	25.6	23.5	31.6	34.8	44.8	50.5	62.0	58.8	56.8	45.4	36.4	26.7	<b>41.4</b>
Mean	<b>24.9</b>	<b>22.6</b>	<b>27.8</b>	<b>35.2</b>	<b>42.9</b>	<b>53.1</b>	<b>61.1</b>	<b>61.5</b>	<b>55.9</b>	<b>47.2</b>	<b>38.2</b>	<b>29.6</b>	<b>*41.7</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	2.33	2.11	6.62	...
1932	4.38	2.40	7.55	7.21	3.87	1.32	3.91	3.53	3.45	3.47	3.20	1.30	<b>45.59</b>
1933	2.39	3.46	2.45	2.83	1.47	1.95	2.35	5.34	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	4.82	6.09	...
1935	4.79	5.29	4.37	3.19	5.04	3.61	1.88	3.56	8.78	8.42	5.94	7.95	<b>62.82</b>
1936	7.06	5.40	5.83	3.65	6.01	1.60	2.25	5.69	4.36	4.73	8.38	4.58	<b>59.54</b>
1937	4.27	5.05	5.60	1.46	1.43	6.37	1.68	2.68	4.43	5.97	2.52	13.12	<b>55.38</b>
1938	4.92	3.83	1.82	3.42	2.04	4.70	2.24	4.12	3.85	2.98	6.60	3.59	<b>44.11</b>
1939	4.17	2.28	3.73	1.42	1.95	0.91	5.03	3.28	3.49	6.00	2.39	4.28	<b>38.93</b>
1940	3.65	3.33	2.37	1.50	3.38	6.23	1.82	2.53	5.30	2.32	4.22	4.49	<b>41.14</b>
Mean	<b>4.45</b>	<b>3.99</b>	<b>4.20</b>	<b>3.08</b>	<b>3.15</b>	<b>3.34</b>	<b>2.64</b>	<b>3.84</b>	<b>4.81</b>	<b>4.53</b>	<b>4.46</b>	<b>5.78</b>	<b>†48.27</b>

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## THE PAS, CANADA

' Lat. 53°49' N. Long. 101°15' W. H<sub>b</sub> = 890 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.97	1.04	1.26	1.00	1.01	.92	.89	.99	.88	.93	.94	.97	.99
1932	1.03	.95	1.14	1.15	1.01	.92	.92	.93	.96	1.01	1.04	.92	1.00
1933	.87	.92	1.13	1.05	1.02	.90	.94	.98	.79	1.06	1.07	1.15	.99
1934	1.02	1.14	1.12	.99	.96	.91	.94	.97	1.00	.99	1.04	1.18	1.02
1935	1.22	1.07	.94	1.11	1.14	.92	.91	.95	.97	1.02	1.12	1.13	1.04
1936	1.15	1.20	.88	1.08	1.00	.97	.95	1.01	.95	1.01	1.08	1.02	1.02
1937	1.18	1.03	1.24	1.02	1.00	.91	.95	.91	1.04	1.02	1.10	1.10	1.04
1938	1.05	1.27	.84	1.05	1.03	.96	.94	.92	1.05	.95	.97	.93	.99
1939	.97	1.14	1.09	1.04	.94	.96	.87	.91	.94	.96	1.07	.95	.99
1940	1.22	1.15	1.14	1.17	1.04	.95	1.03	.99	1.06	.98	1.18	1.00	1.08
Mean	1.07	1.09	1.08	1.07	1.02	.93	.93	.96	.96	.99	1.06	1.03	1.02

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (mean daily Max. + mean daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	5.7	15.6	12.5	36.6	45.8	59.4	64.1	62.2	51.6	43.2	20.3	10.9	35.6
1932	— 1.7	— 1.0	2.2	33.8	53.1	64.3	65.3	64.5	52.0	31.4	11.0	— 3.5	31.0
1933	— 7.6	— 6.3	11.6	31.4	49.8	62.1	64.0	63.8	50.6	32.1	9.7	— 18.2	28.6
1934	— 4.4	2.0	9.4	33.1	50.8	63.8	63.8	58.0	46.0	40.4	21.9	— 1.5	31.6
1935	— 14.8	12.8	9.8	30.8	51.2	55.8	68.9	59.2	49.3	35.1	5.9	3.2	30.6
1936	— 17.4	— 18.4	16.4	26.6	49.8	56.9	69.2	61.7	48.1	32.2	20.0	— 1.1	28.7
1937	— 21.0	...	13.8	36.0	53.8	61.2	68.8	63.6	49.9	37.8	13.4	— 3.4	...
1938	— 5.2	— 1.2	20.2	31.6	48.4	62.3	65.8	61.2	58.2	44.6	12.4	5.2	33.6
1939	— 4.6	— 17.8	7.6	31.4	49.0	53.2	65.2	63.4	48.5	29.6	23.9	14.3	30.3
1940	— 2.4	4.8	14.9	34.0	52.8	55.3	64.9	63.8	58.2	43.0	13.3	6.3	34.1
Mean	— 7.3	— 1.1	11.8	32.5	50.4	58.9	66.0	62.1	51.2	36.9	15.2	1.2	*31.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.50	0.11	1.17	0.20	1.01	1.48	2.84	2.88	5.09	1.91	0.70	0.54	19.43
1932	0.40	0.88	0.55	0.37	1.58	3.89	2.58	1.29	1.21	1.18	0.93	1.08	15.94
1933	0.83	0.45	1.27	0.70	0.12	1.50	2.20	2.24	1.69	1.83	2.72	2.00	17.55
1934	1.93	0.79	0.23	1.67	2.10	3.39	2.68	1.80	3.46	0.72	2.06	0.31	21.14
1935	0.58	0.20	1.82	0.77	2.02	2.23	1.91	2.02	1.98	1.99	0.58	0.27	18.37
1936	0.50	0.10	2.02	1.23	1.10	2.57	1.62	2.54	3.68	0.58	0.96	3.15	20.05
1937	0.80	0.31	1.27	1.87	1.79	0.95	0.57	2.64	1.85	1.19	2.64	3.14	19.02
1938	0.28	1.02	1.20	0.36	...	0.97	1.74	3.76	0.40	0.86	0.52	0.55	...
1939	1.18	0.46	0.43	0.77	1.11	5.18	1.78	1.43	1.05	1.15	0.72	1.00	16.28
1940	0.85	0.52	0.84	0.63	0.90	1.03	2.06	1.49	1.17	1.87	1.80	1.20	14.36
Mean	0.88	0.48	1.08	0.86	1.30	2.32	2.00	2.21	2.16	1.33	1.36	1.32	†17.30

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.9	17.6	25.7	15.6	15.6	11.9	10.8	13.9	10.5	12.9	14.2	15.6	14.9
1932	18.0	15.2	21.7	21.0	15.2	11.9	11.5	11.9	13.5	16.3	18.0	14.6	15.6
1933	12.2	14.6	21.0	17.6	15.6	10.8	12.2	13.9	7.8	18.0	19.0	23.0	15.6
1934	18.0	21.7	20.7	15.6	13.5	11.5	12.5	13.5	14.9	15.2	17.6	21.0	16.3
1935	25.1	19.0	14.6	19.6	19.6	11.9	11.2	12.9	13.9	16.6	21.0	21.3	17.3
1936	23.4	25.1	11.9	18.6	14.9	13.5	12.5	14.9	13.5	16.3	19.3	18.0	16.9
1937	24.7	18.3	25.1	16.3	14.6	11.5	12.5	11.2	16.6	16.3	20.0	21.0	17.3
1938	19.3	26.4	10.5	17.6	15.9	13.2	12.5	11.9	16.3	14.2	15.6	14.2	15.6
1939	15.9	22.7	20.0	17.3	12.5	13.5	9.5	11.2	12.9	14.6	18.6	14.6	15.2
1940	24.7	22.4	21.3	21.7	15.9	13.2	15.6	13.9	16.6	14.9	23.0	16.9	18.3
Mean	19.0	20.3	19.3	18.0	15.2	12.2	12.2	12.9	13.5	15.6	18.6	18.0	16.3

\* Mean of 12 monthly means.

† Sum of 12 monthly means.



## TORONTO, CANADA

Lat. 43°40' N. Long. 79°24' W.  $H_0 = 379$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h 30^m + 19^h 30^m)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.58	.64	.55	.61	.50	.59	.50	.62	.59	.62	.68	.67	.60
1932	.65	.56	.44	.57	.63	.50	.46	.57	.67	.56	.77	.68	.59
1933	.55	.55	.56	.54	.54	.53	.60	.60	.52	.67	.53	.68	.57
1934	.65	.79	.73	.54	.59	.48	.55	.62	.64	.63	.65	.64	.63
1935	.74	.61	.63	.56	.63	.51	.56	.60	.63	.74	.71	.70	.64
1936	.55	.64	.47	.59	.61	.51	.51	.59	.66	.63	.61	.72	.59
1937	.76	.55	.57	.57	.56	.52	.54	.65	.65	.59	.60	.68	.60
1938	.58	.78	.54	.61	.53	.58	.54	.58	.61	.72	.67	.61	.61
1939	.60	.62	.63	.52	.56	.56	.56	.62	.62	.50	.50	.44	.59
1940	.60	.62	.55	.58	.51	.48	.65	.69	.66	.68	.65	.67	.61
Mean	.62	.64	.57	.57	.56	.53	.55	.61	.62	.64	.67	.65	.60

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	24.9	26.6	33.4	44.8	55.9	65.9	73.6	69.4	65.9	53.1	45.8	33.3	49.4
1932	35.3	29.6	29.2	40.8	55.3	66.4	67.6	69.6	62.0	51.4	35.7	30.4	47.8
1933	33.6	26.1	31.6	45.0	57.4	67.5	72.9	69.1	62.8	47.8	31.7	24.2	47.5
1934	25.8	10.2	28.0	42.0	57.7	67.8	71.4	65.5	62.9	48.6	42.1	25.6	45.6
1935	20.8	22.4	35.5	43.7	52.0	63.6	73.9	69.9	58.8	50.2	39.8	22.7	46.1
1936	22.4	17.5	34.5	39.6	58.7	64.9	73.1	68.9	62.7	49.0	34.3	31.5	46.4
1937	31.2	27.9	28.6	43.2	56.5	65.9	71.4	72.5	60.1	47.4	38.6	27.4	47.6
1938	22.3	27.2	35.8	46.2	55.2	65.8	71.8	72.9	58.9	52.1	41.2	30.9	48.4
1939	23.7	24.8	28.7	40.6	57.9	65.5	71.8	72.2	61.8	50.1	36.9	31.4	47.1
1940	18.5	24.4	26.3	41.4	54.1	63.3	70.7	69.0	61.3	48.1	38.0	29.8	45.4
Mean	25.8	23.7	31.2	42.7	56.1	65.7	71.8	69.9	61.7	49.8	38.4	28.7	47.1

TOTAL PRECIPITATION IN INCHES.  $h_r = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.62	1.13	2.82	1.90	1.89	2.16	3.10	2.10	2.18	1.99	2.44	3.00	27.33
1932	6.84	2.76	1.61	2.62	3.19	1.00	3.56	4.17	3.04	2.17	3.69	2.38	37.03
1933	1.62	1.62	1.73	2.55	1.12	1.84	1.53	2.41	1.35	2.26	2.90	2.91	23.84
1934	1.52	0.93	2.67	2.61	0.47	2.75	1.58	1.01	4.24	1.33	3.10	2.55	24.76
1935	2.96	2.39	1.25	0.95	1.70	3.42	3.59	0.45	3.20	1.58	3.17	2.07	26.73
1936	2.14	2.61	4.07	3.00	0.72	2.91	0.77	1.75	2.90	2.45	1.30	3.37	27.99
1937	5.18	2.21	1.48	4.02	2.90	3.64	2.92	2.89	1.39	2.75	1.80	1.69	32.87
1938	1.63	3.62	1.64	1.75	2.15	1.49	2.62	2.06	3.98	1.03	1.45	2.23	25.65
1939	2.25	3.62	3.15	3.43	1.49	1.91	1.72	4.17	2.52	1.89	0.32	1.24	27.71
1940	1.96	1.54	2.24	2.58	5.01	3.73	1.62	2.66	3.69	1.75	4.81	3.80	35.39
Mean	2.87	2.24	2.27	2.54	2.06	2.49	2.30	2.37	2.85	1.92	2.50	2.52	28.93

## VICTORIA, CANADA

Lat. 48°24' N. Long. 123°19' W.  $H_b = 85$  ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(4^h 15^m + 16^h 15^m)$ , 120th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.89	.93	.97	.95	.97	.89	.92	.93	.88	.94	.94	.73	.92
1932	.97	.92	.93	.86	.98	.94	.93	.90	1.03	.99	.90	.97	.95
1933	.76	1.05	.89	1.00	.89	.92	.95	.88	.78	.91	1.15	.69	.91
1934	1.01	.96	1.00	.95	.91	.92	.93	.95	.93	.88	.76	.95	.93
1935	.79	1.02	.82	.90	.98	.92	.93	.91	.89	1.00	1.06	.88	.93
1936	.83	.81	.96	.98	.91	.87	.91	.92	.96	1.04	1.21	.86	.94
1937	.98	.78	.85	.89	.96	.89	.97	.95	.94	.93	.82	.91	.91
1938	1.00	.77	.76	.95	1.00	.95	.95	.96	.94	.91	1.04	1.00	.94
1939	.90	.97	.92	1.02	.95	.94	.95	.93	.93	.99	.98	.84	.95
1940	.91	.77	.88	.94	.95	.96	.93	.96	.87	.86	1.01	.81	.91
Mean	.90	.90	.90	.94	.95	.92	.94	.93	.92	.95	.99	.86	.93

TEMPERATURE IN DEGREES F.  $h_t = 4$  ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	44.3	41.3	45.4	51.3	55.4	56.7	61.5	60.0	56.0	51.4	42.5	41.8	50.6
1932	38.0	40.4	45.0	49.1	52.7	58.6	57.1	59.1	57.6	52.1	46.7	38.5	49.6
1933	39.1	37.2	44.0	47.6	50.8	55.7	58.5	62.2	54.3	51.5	45.9	41.8	49.0
1934	43.5	45.6	48.7	53.4	54.8	57.8	59.3	60.5	56.8	52.4	47.8	42.2	51.9
1935	38.7	43.6	42.1	48.6	53.7	57.6	59.5	60.2	53.4	49.8	43.1	44.4	49.6
1936	42.5	33.2	42.0	49.9	54.6	58.3	60.5	61.3	55.0	53.4	44.6	42.6	49.8
1937	31.2	38.6	46.2	47.5	53.4	58.5	60.1	59.4	58.0	53.8	46.1	42.4	49.6
1938	40.8	41.7	44.6	50.0	53.0	57.7	60.6	58.9	58.8	51.6	48.8	42.5	50.3
1939	42.9	39.1	44.0	50.1	54.3	55.4	59.6	62.2	58.0	51.4	48.4	45.8	50.9
1940	42.8	44.1	48.0	51.7	56.4	58.8	59.4	62.2	58.8	53.3	43.0	43.5	51.8
Mean	40.4	40.5	45.0	49.9	53.9	57.5	59.6	60.6	56.7	52.1	45.2	42.5	50.3

TOTAL PRECIPITATION IN INCHES.  $h_r = 2$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.63	3.22	2.40	1.11	1.48	4.33	0.33	0.20	2.23	1.77	5.28	2.62	29.65
1932	4.29	6.29	3.95	1.16	0.29	0.91	1.93	0.90	0.56	2.34	7.45	3.91	33.98
1933	5.06	2.84	1.90	0.34	1.50	1.15	1.13	0.35	2.86	4.98	3.88	11.20	37.19
1934	7.27	1.54	4.12	1.06	2.91	0.21	0.25	0.65	1.26	2.34	4.58	6.42	32.61
1935	13.28	0.83	2.94	0.38	0.26	0.67	0.95	0.53	1.18	2.52	1.79	1.67	27.00
1936	5.20	4.76	2.32	0.90	1.68	1.68	0.85	0.66	1.39	0.96	1.25	8.35	30.00
1937	2.32	5.23	1.35	2.34	0.43	2.21	0.01	1.55	0.38	3.11	5.41	7.87	32.21
1938	2.51	1.81	2.62	1.91	0.54	0.02	0.11	0.55	1.62	2.61	2.96	6.34	23.90
1939	4.65	3.54	1.18	0.36	1.04	1.23	1.18	0.31	0.31	3.31	4.17	5.47	26.75
1940	2.08	3.14	2.06	1.39	1.35	0.11	0.86	0.38	2.74	2.37	3.21	3.32	23.91
Mean	5.13	3.32	2.57	1.09	1.15	1.25	0.79	0.61	1.46	2.63	4.00	5.72	29.72

\* See NORES, p. 39.

## WINNIPEG, CANADA

Lat. 49°53' N. Long. 97°7' W. H<sub>b</sub> = 760 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h 45^m + 18^h 45^m)$ , 90th meridian W.

28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.15	1.25	1.39	1.20	1.11	1.07	1.05	1.15	1.05	1.11	1.13	1.19	1.15
1932	1.15	1.09	1.20	1.25	1.17	1.04	1.08	1.09	1.16	1.14	1.19	1.10	1.14
1933	.98	1.10	1.25	1.14	1.06	1.04	1.11	1.14	.96	1.17	1.17	1.27	1.12
1934	1.17	1.32	1.27	1.10	1.06	1.05	1.11	1.13	1.12	1.15	1.17	1.26	1.16
1935	1.33	1.25	1.06	1.25	1.25	1.00	1.08	1.08	1.13	1.16	1.27	1.30	1.18
1936	1.28	1.29	1.01	1.25	1.12	1.10	1.08	1.16	1.11	1.17	1.25	1.16	1.17
1937	1.31	1.11	1.35	1.14	1.12	1.07	1.10	1.08	1.19	1.17	1.18	1.25	1.17
1938	1.23	1.39	1.02	1.17	1.11	1.13	1.09	1.06	1.21	1.27	1.14	1.13	1.16
1939	1.15	1.25	1.24	1.17	1.05	1.04	1.13	1.08	1.10	1.11	1.30	1.11	1.14
1940	1.34	1.29	1.26	1.25	1.17	1.12	1.22	1.23	1.27	1.18	1.33	1.18	1.24
Mean	1.21	1.23	1.21	1.19	1.12	1.07	1.11	1.12	1.13	1.16	1.21	1.19	1.16

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.Means of  $\frac{1}{2}(\text{mean daily Max.} + \text{mean daily Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.9	17.9	19.9	41.7	50.0	65.8	68.4	66.8	59.9	48.0	30.3	19.3	41.5
1932	6.3	5.6	9.3	38.3	54.9	67.9	67.1	67.3	56.0	36.9	13.5	2.7	35.9
1933	2.3	— 1.9	17.1	36.9	54.7	67.9	69.1	66.7	56.6	36.3	17.5	—4.6	34.9
1934	5.8	4.6	14.4	37.9	56.2	61.1	66.0	62.4	50.5	45.4	29.8	5.0	36.6
1935	— 7.6	15.8	18.0	36.2	50.7	57.7	72.3	63.6	52.0	40.3	13.5	7.4	35.0
1936	—13.2	—14.0	18.1	29.8	57.5	60.8	75.5	66.4	56.6	35.4	21.0	9.7	33.6
1937	—12.9	2.8	17.1	37.8	55.2	62.4	69.6	69.4	53.7	40.9	28.1	5.6	35.4
1938	— 0.6	4.6	28.2	37.8	51.8	62.2	68.6	67.2	59.4	48.5	18.8	10.4	38.1
1939	4.4	— 9.0	14.2	37.0	55.6	59.0	70.4	67.8	55.3	36.8	31.0	20.9	37.0
1940	2.4	9.4	17.0	36.2	52.2	59.0	68.4	67.4	61.9	48.8	20.4	12.8	38.0
Mean	— 0.3	3.6	17.3	37.0	53.9	62.4	69.5	66.5	56.2	41.7	22.4	8.9	36.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.26	0.18	0.89	0.34	2.43	1.13	3.08	2.02	3.23	2.07	1.17	0.12	16.92
1932	1.34	0.81	2.00	1.07	0.73	2.91	2.46	1.53	1.89	2.06	2.40	0.30	19.50
1933	1.04	0.61	0.47	0.98	5.27	0.97	1.61	3.63	2.69	0.67	1.72	1.57	21.23
1934	1.04	0.66	1.18	0.88	0.63	4.15	1.77	3.28	4.34	0.42	0.78	0.94	20.07
1935	1.61	0.15	2.84	1.18	1.72	4.15	1.92	4.75	1.63	1.38	0.90	0.96	23.19
1936	1.07	1.40	1.89	0.44	0.94	2.41	1.87	0.50	2.05	1.00	1.09	0.75	15.41
1937	1.02	1.18	0.28	2.64	2.20	2.32	2.83	2.12	2.29	0.71	0.86	1.37	19.82
1938	1.36	1.72	0.50	1.10	1.60	1.32	4.08	1.74	0.24	0.40	0.86	1.18	16.10
1939	0.79	1.48	0.06	1.08	1.37	2.49	1.42	5.51	1.62	0.32	0.06	0.30	16.50
1940	0.54	0.69	0.65	1.65	1.17	4.74	1.16	1.26	1.02	2.73	0.79	0.72	17.12
Mean	1.01	0.89	1.08	1.14	1.80	2.66	2.22	2.63	2.10	1.13	1.06	0.82	18.59

\* See NOTES, p. 39.

## CRISTOBAL (COLON),\* CANAL ZONE, CENTRAL AMERICA

Lat. 9°21' N. Long. 79°54' W. H<sub>b</sub> = 36 ft.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h 30^m + 19^h 30^m)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.870	.864	.868	.844	.837	.848	.831	.834	.840	.826	.830	.836	.844
1932	.870	.886	.868	.803	.834	.828	.828	.833	.836	.840	.841	.851	.843
1933	.864	.894	.881	.800	.844	.848	.854	.862	.834	.832	.862	.884	.860
1934	.888	.940	.898	.864	.850	.848	.853	.869	.843	.871	.850	.860	.870
1935	.888	.935	.890	.859	.852	.852	.832	.854	.820	.829	.856	.848	.860
1936	.840	.884	.852	.862	.820	.832	.836	.828	.844	.838	.828	.861	.844
1937	.830	.888	.843	.857	.844	.850	.842	.845	.864	.854	.837	.828	.848
1938	.872	.909	.890	.866	.840	.860	.868	.845	.845	.852	.834	.849	.861
1939	.873	.910	.898	.872	.844	.848	.852	.814	.849	.822	.822	.853	.855
1940	.892	.864	.812	.855	.826	.832	.844	.835	.816	.842	.830	.818	.841
Mean	.869	.897	.873	.854	.839	.845	.844	.842	.839	.841	.839	.849	.853

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 6 ft.Means of  $\frac{1}{2}(\text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	82.0	81.8	82.7	83.2	82.4	82.5	81.6	81.8	81.6	82.0	79.1	81.6	81.9
1932	81.3	81.2	81.6	83.0	82.0	81.2	81.3	81.2	81.6	81.5	79.7	80.2	81.3
1933	80.6	81.2	81.4	82.7	82.4	81.8	81.0	81.7	81.5	80.8	78.8	79.2	81.1
1934	80.2	80.5	81.1	82.4	81.8	82.2	81.8	81.8	81.0	80.3	79.6	80.8	81.1
1935	80.0	79.8	81.4	81.6	81.0	80.8	80.8	80.8	81.4	81.4	78.8	80.6	80.8
1936	81.2	80.6	81.6	82.2	81.5	82.3	81.6	81.4	80.9	81.2	80.8	80.9	81.4
1937	81.0	81.7	82.0	82.9	81.9	81.2	82.0	81.8	81.5	81.4	79.9	79.6	81.4
1938	80.8	80.8	80.8	81.3	81.2	80.4	80.4	80.6	81.1	80.8	80.3	79.6	80.7
1939	81.0	79.9	80.6	82.0	82.8	81.6	82.2	82.0	80.5	80.4	80.2	80.6	81.2
1940	80.9	81.4	82.2	83.1	83.5	82.8	82.3	81.4	82.0	81.0	80.6	82.4	82.0
Mean	80.9	80.9	81.5	82.4	82.1	81.7	81.5	81.5	81.3	81.1	79.8	80.6	81.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.01	0.97	4.48	4.30	17.71	9.26	13.36	17.52	8.24	20.42	30.31	3.47	132.05
1932	1.44	0.95	2.69	2.23	16.55	14.86	17.45	12.10	7.15	16.75	37.13	7.64	136.44
1933	2.10	0.08	1.11	0.35	8.12	15.88	9.88	8.27	9.11	19.84	43.06	18.46	136.26
1934	3.94	0.55	1.10	5.48	11.94	9.89	9.21	13.86	21.30	17.49	28.81	15.66	139.23
1935	5.81	3.10	0.80	1.87	17.16	16.26	26.23	14.72	21.31	8.90	42.73	13.02	171.91
1936	1.54	0.13	0.87	3.29	12.86	10.57	18.72	13.78	14.58	11.36	23.11	3.53	114.34
1937	4.20	0.46	0.32	1.65	20.99	26.91	9.50	13.26	14.09	16.58	23.23	32.94	164.13
1938	2.27	1.11	1.68	6.25	12.74	18.01	22.25	22.32	10.50	17.26	18.90	29.29	162.58
1939	0.48	0.50	0.64	1.00	6.28	12.60	6.67	11.66	16.91	17.52	35.18	17.08	126.52
1940	2.67	1.83	0.63	1.83	11.00	14.41	15.90	19.04	13.77	16.28	20.91	4.25	122.52
Mean	2.64	0.97	1.43	2.82	13.53	14.81	14.92	14.65	13.70	16.24	30.37	14.53	140.60

PRESSURE AT SEA LEVEL

Means of bihourly values, 75th meridian W.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.1	11.1	11.3	10.3	10.2	10.7	10.0	10.3	10.3	9.5	9.7	10.0	10.4
1932	11.2	12.0	11.3	9.2	10.2	10.0	9.9	10.1	10.1	9.9	10.0	10.4	10.4
1933	11.0	12.1	11.7	10.9	10.5	10.6	10.8	11.0	9.9	9.8	10.7	11.6	10.9
1934	11.9	13.8	12.2	11.0	10.6	10.4	10.7	11.2	10.3	10.9	11.2	10.5	11.2
1935	11.9	13.5	12.1	10.8	10.7	10.7	10.1	10.8	9.7	9.6	10.7	10.3	10.9
1936	10.3	11.9	10.7	11.1	9.5	10.0	10.2	10.0	10.6	10.2	9.7	10.9	10.4
1937	9.9	12.1	10.5	11.0	10.5	10.8	10.4	10.5	11.0	10.6	10.3	9.9	10.6
1938	11.5	12.9	12.2	11.4	10.4	11.3	11.5	10.6	10.6	10.5	9.9	10.6	11.1
1939	11.6	12.9	12.6	11.8	10.3	10.9	10.9	9.6	10.9	9.8	9.8	10.8	11.0
1940	12.1	11.3	10.6	11.0	10.0	10.1	10.6	10.2	9.5	10.3	9.8	9.7	10.4
Mean	11.2	12.3	11.5	10.9	10.3	10.6	10.5	10.4	10.3	10.1	10.2	10.5	10.7

\* See NOTES, p. 39.

## SAN JOSÉ,\* COSTA RICA, CENTRAL AMERICA

Lat. 9°56' N. Long. 84°S' W.  $h_r = 1.5$  m.

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	5.2	12.2	35.0	89.1	218.4	277.2	303.1	339.9	147.6	489.9	138.1	48.5	2104.2
1936	0.8	0.2	36.0	72.1	277.0	253.8	234.3	220.9	203.5	323.9	217.6	12.6	1852.7
1937	55.2	1.9	46.6	45.8	201.1	306.8	128.4	170.7	472.4	364.4	198.6	66.0	2057.9
1938	20.4	0.0	22.7	62.1	245.7	306.4	268.4	473.2	309.0	508.3	414.5	23.6	2654.3
1939	1.4	0.0	3.8	7.0	97.6	304.4	140.2	104.4	318.1	312.3	125.3	118.7	1533.2
1940	3.4	9.3	13.3	18.0	321.2	296.2	196.7	93.5	407.6	260.0	90.4	26.0	1735.6
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See ADDITIONAL DATA, p. 604.



## SAN SALVADOR, SALVADOR, CENTRAL AMERICA

Lat. 13°42' N. Long. 89°12' W. H<sub>b</sub> = 682 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 90th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	3.4	2.9	2.1	2.7	2.8	2.0	2.7	3.5	2.8	2.9	3.1	3.0	2.8
1932	3.8	3.5	3.0	2.1	2.6	2.0	3.0	2.8	3.0	2.4	3.5	3.5	2.9
1933	3.8	3.4	3.0	2.7	2.6	3.2	3.0	3.5	2.1	2.4	4.0	4.5	3.1
1934	4.0	4.8	3.5	3.1	3.4	2.6	3.5	3.7	2.8	3.1	3.0	3.6	3.4
1935	3.8	4.9	3.5	3.0	2.8	3.1	2.9	2.8	2.2	2.2	3.3	3.1	3.1
1936	2.5	2.9	2.5	2.9	2.4	2.1	3.1	2.9	2.9	2.8	3.0	3.5	2.7
1937	2.6	3.6	2.3	2.8	2.8	3.3	3.4	3.4	3.2	2.9	3.0	2.9	3.1
1938	3.6	3.9	3.4	3.1	2.7	3.4	3.7	3.0	2.9	3.0	2.9	3.7	3.2
1939	3.4	3.7	3.3	2.8	2.6	3.0	3.6	2.5	3.0	2.4	3.2	3.5	3.1
1940	3.6	3.1	2.3	2.7	2.4	2.7	3.6	3.0	1.9	2.8	2.6	2.3	2.8
Mean	3.4	3.7	2.9	2.8	2.7	2.7	3.2	3.1	2.7	2.7	3.2	3.4	3.0

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.5 m.Means  $\frac{1}{4}(7^h + 14^h + 21^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.4	23.8	23.9	24.8	24.1	23.5	23.0	24.1	23.4	23.7	22.5	23.0	23.6
1932	23.2	23.5	23.4	24.3	24.3	22.9	23.3	23.0	23.2	23.3	23.4	23.7	23.4
1933	23.2	23.5	23.5	24.0	23.8	23.5	23.1	23.1	22.6	23.2	22.6	23.0	23.2
1934	23.7	22.7	23.6	24.3	24.7	23.3	24.3	24.5	23.8	23.6	22.8	23.3	23.7
1935	21.7	21.8	24.1	24.9	24.7	23.5	23.7	22.9	22.8	22.2	21.6	22.2	23.0
1936	22.5	22.5	24.9	25.0	24.1	23.0	22.5	23.2	22.6	22.8	22.6	22.5	23.1
1937	22.8	22.9	24.0	23.1	23.7	23.6	23.6	23.1	22.8	22.3	21.9	22.0	22.9
1938	22.0	22.8	23.7	23.8	23.9	23.2	23.2	23.3	22.6	22.5	22.4	21.6	22.6
1939	22.1	22.2	23.1	24.3	24.4	23.2	23.1	23.8	22.6	22.7	22.3	22.3	23.0
1940	21.8	22.0	23.0	24.9	23.8	23.3	23.7	24.0	23.2	22.7	22.5	22.5	23.2
Mean	22.6	22.8	23.7	24.3	24.2	23.3	23.3	23.5	22.9	22.9	22.4	22.6	23.3

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	18.2	...	42.9	200.0	523.4	273.3	202.4	234.0	258.4	25.1	25.1	*1802.8
1932	13.0	...	19.7	57.1	208.0	358.7	320.1	468.7	211.0	306.1	1.8	25.2	*1989.4
1933	...	...	...	2.0	268.7	398.1	303.8	222.7	460.9	226.5	...	8.1	*1890.8
1934	6.7	24.3	...	19.7	282.4	584.6	209.5	355.2	311.7	238.7	59.6	5.8	*2098.2
1935	...	...	7.6	4.2	323.6	359.2	172.1	282.1	433.0	363.9	16.5	3.1	*1865.3
1936	1.2	13.6	3.2	26.8	157.3	617.3	291.5	282.2	340.2	354.5	19.0	...	*2206.8
1937	40.5	12.8	0.4	10.3	267.2	344.4	185.3	438.4	260.9	267.4	...	7.6	*1835.2
1938	5.4	...	...	48.3	131.1	325.2	262.1	251.0	358.6	123.2	27.4	4.3	*1536.6
1939	5.6	...	13.0	19.8	175.7	213.1	316.3	212.6	274.4	241.9	...	11.7	*1484.1
1940	...	...	...	92.0	159.1	512.7	301.6	279.6	235.5	91.2	124.1	26.8	*1822.6
Mean	12.1	17.2	8.8	32.3	217.3	423.7	263.6	299.5	312.0	247.2	39.1	13.1	†1892.9

\* Incomplete.

† Sum of 12 monthly means.

### CHIHUAHUA, MEXICO

Lat. 28°38' N. Long. 106°5' W.

TOTAL PRECIPITATION IN MILLIMETERS. H = 1,423 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	0.5	0.0	7.5	T	...	11.1	141.2	67.6	111.7	6.5	49.2	T	...
1937	T	2.0	T	0.0	6.2	4.0	42.8	51.0	137.6	10.2	17.0	30.4	301.2
1938	27.8	4.5	4.0	10.4	0.5	111.4	174.4	43.4	195.9	5.3	0.0	T	577.6
1939	22.7	T	7.8	0.0	T	43.7	97.7	99.9	35.0	5.2	32.8	28.8	373.6
1940	25.0	1.8	11.8	1.4	24.3	46.0	39.0	76.4	6.7	17.4	18.6	2.0	270.4
Mean	15.2	16.6	6.2	2.4	7.7	43.2	99.0	67.6	97.4	8.9	23.5	12.2	*399.9

\* Sum of 12 monthly means.



## LEON, MEXICO

Lat. 21°7' N. Long. 101°41' W. H<sub>0</sub> = 1,809 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 90th meridian W.  
600 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.9	15.1	14.8	14.8	14.8	15.5	14.6	16.5	15.4	16.1	16.1	15.9	15.5
1932	16.1	15.5	14.7	14.1	14.8	14.0	15.7	14.6	15.1	15.2	16.6	15.7	15.2
1933	15.2	14.9	13.9	13.3	13.0	14.2	14.1	13.7	12.9	15.3	17.2	17.6	14.6
1934	16.8	17.1	16.3	15.5	15.6	15.1	16.8	17.3	16.1	17.1	16.8	17.4	16.5
1935	17.1	16.9	15.9	15.2	15.1	15.6	16.9	16.6	16.0	17.1	17.0	16.7	16.3
1936	15.9	15.6	15.3	16.0	15.2	15.3	16.2	16.6	16.0	16.9	17.8	17.2	16.2
1937	16.2	16.6	15.6	15.8	15.3	16.1	17.1	17.2	16.9	16.9	17.1	16.9	16.5
1938	17.4	17.3	16.2	16.0	15.5	16.6	17.7	17.0	16.6	16.9	17.0	17.3	16.8
1939	16.6	16.0	16.3	15.8	15.6	16.3	17.3	16.6	16.7	17.0	17.6	17.1	16.6
1940	16.7	16.1	15.3	15.8	15.7	15.7	17.6	17.0	16.3	16.7	16.8	16.4	16.3
Mean	16.4	16.1	15.4	15.2	15.1	15.4	16.4	16.3	15.8	16.5	17.0	16.8	16.0

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.2	14.7	17.3	19.5	21.6	21.9	20.6	19.4	19.6	19.6	16.6	15.3	18.2
1932	15.0	17.3	17.3	20.8	23.5	23.8	20.4	21.1	19.5	18.8	15.2	15.3	19.0
1933	15.2	17.0	19.6	22.1	24.3	22.3	20.9	19.8	19.5	18.0	16.1	15.6	19.2
1934	14.3	16.3	17.0	20.2	20.3	22.2	19.8	19.4	19.7	18.5	16.4	16.3	18.4
1935	14.6	13.4	18.8	21.1	22.9	20.0	19.5	19.4	19.9	18.5	17.6	14.9	18.4
1936	15.7	16.8	19.1	20.5	22.1	23.4	21.0	19.9	19.4	18.6	17.0	15.2	19.1
1937	17.1	17.8	18.7	21.3	22.7	22.6	20.2	20.1	19.9	19.4	17.1	14.7	19.3
1938	14.4	16.5	19.4	21.0	22.9	21.3	19.4	21.3	19.6	18.4	17.3	14.8	18.9
1939	14.8	16.8	19.7	21.0	22.7	20.9	20.2	20.2	19.2	18.9	15.2	15.1	18.7
1940	13.7	15.9	17.9	21.1	23.1	22.0	20.1	20.0	19.8	19.6	17.1	14.9	18.8
Mean	14.7	16.2	18.5	20.9	22.6	22.0	20.2	20.1	19.6	18.8	16.6	15.2	18.8

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	74.5	24.0	0.0	3.0	22.4	18.7	151.4	145.0	88.0	7.1	T	13.9	548.0
1932	3.0	3.9	4.6	5.4	T	40.8	212.1	132.5	170.3	37.7	T	0.6	610.9
1933	28.6	9.0	2.9	T	4.9	76.8	125.3	193.6	175.8	60.4	2.1	0.0	679.4
1934	42.8	T	0.2	3.5	62.7	84.1	180.1	179.7	64.3	44.1	2.5	7.1	671.1
1935	T	16.7	6.2	T	22.2	214.2	204.6	152.8	118.7	39.6	37.5	4.4	816.9
1936	3.4	T	8.9	5.2	20.2	7.6	87.1	272.4	163.9	32.7	7.6	1.1	610.1
1937	T	T	19.4	7.9	30.9	74.7	222.4	172.5	110.0	11.0	0.0	29.7	678.5
1938	7.5	T	12.3	0.6	19.3	69.9	296.8	82.2	51.4	8.3	11.1	T	559.4
1939	5.7	0.0	5.7	18.3	12.5	114.0	87.4	129.0	118.5	105.9	T	T	597.0
1940	16.1	0.6	24.1	T	5.1	233.6	140.6	137.9	12.6	13.6	18.5	1.8	604.5
Mean	18.2	5.4	8.4	4.4	20.0	93.4	170.8	159.8	107.4	36.0	7.9	5.9	637.6

## MAZATLAN, MEXICO

Lat. 23°12' N. Long. 106°25' W. H = 78 m.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+14^h+21^h)$ , 90th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.7	60.0	60.0	59.5	58.4	58.0	56.5	58.0	56.4	58.0	59.3	59.9	58.8
1932	60.9	60.4	59.9	58.2	58.5	56.5	58.1	56.8	57.2	57.3	59.5	60.1	58.6
1933	60.5	60.7	59.5	58.9	58.4	58.4	57.7	57.0	56.1	58.3	60.2	61.3	58.9
1934	61.2	61.5	60.1	59.7	58.4	57.8	58.8	59.1	57.2	58.2	59.3	60.3	59.3
1935	64.1	...	60.2	58.7	58.7	58.0	58.4	57.6	57.2	57.6	59.5	60.0	*59.1
1936	59.3	60.4	59.2	59.1	57.4	56.8	57.4	57.6	56.7	57.9	59.4	60.3	58.5
1937	60.0	60.5	59.0	58.9	58.0	58.3	58.4	58.4	57.7	57.7	59.4	59.7	58.8
1938	60.6	61.0	60.0	59.3	58.4	57.8	59.2	58.3	57.7	58.5	59.5	60.7	59.2
1939	61.0	61.2	59.8	59.1	58.1	58.0	58.8	58.3	57.5	57.9	59.6	60.5	59.2
1940	60.9	60.2	59.2	59.3	58.3	57.9	59.0	58.6	57.4	58.6	59.6	59.7	59.1
Mean	60.9	60.7	59.7	59.1	58.3	57.8	58.2	58.0	57.1	58.0	59.5	60.3	59.0

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+14^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.0	20.5	20.8	22.6	23.8	27.1	27.1	27.7	28.0	27.7	23.8	19.2	24.0
1932	17.3	18.6	19.0	22.2	24.3	26.6	27.4	27.3	27.8	26.8	23.1	20.3	23.4
1933	18.2	17.5	19.8	20.6	20.7	25.9	27.5	27.1	26.6	26.5	23.4	19.0	22.7
1934	16.9	19.2	21.5	22.1	24.8	26.2	27.4	27.1	27.8	27.3	24.7	22.4	24.0
1935	20.8	...	20.3	22.4	23.9	26.1	27.9	27.5	27.6	27.9	24.1	21.2	...
1936	19.7	19.3	20.0	22.1	25.6	27.4	27.4	27.4	26.3	27.1	24.4	21.9	24.1
1937	17.4	17.8	19.3	21.9	24.1	26.6	27.7	28.0	27.0	27.8	24.9	21.4	23.7
1938	20.9	20.8	20.4	21.2	24.2	27.3	27.7	28.1	27.7	27.0	23.4	20.2	24.1
1939	17.8	17.2	20.4	22.4	24.9	27.0	28.2	28.0	27.0	26.8	25.0	22.5	23.9
1940	20.6	20.8	21.9	22.1	24.9	26.5	28.3	28.4	28.5	27.2	23.5	22.4	24.6
Mean	19.0	19.1	20.3	22.0	24.1	26.7	27.7	27.7	27.4	27.2	24.1	21.0	†23.8

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	69.8	41.6	0.0	1.0	20.0	19.0	489.0	274.0	172.0	T	T	15.0	1101.4
1932	7.1	20.4	5.6	0.0	0.0	39.0	45.2	519.0	160.6	16.0	0.0	5.0	817.9
1933	0.5	9.1	0.0	T	0.0	13.0	173.3	623.2	685.1	45.2	0.0	0.0	1549.4
1934	1.0	0.0	0.0	0.0	T	2.4	298.4	252.8	234.4	17.0	0.0	T	806.0
1935	T	...	T	T	2.8	T	189.5	162.8	158.5	6.0	0.0	22.0	...
1936	T	0.0	T	0.0	T	8.8	314.7	419.7	639.8	35.6	6.7	T	1425.3
1937	15.9	0.5	T	0.0	T	35.5	237.4	205.6	293.3	43.9	31.6	59.6	913.3
1938	5.7	T	T	T	1.6	89.7	187.6	234.7	163.9	3.4	6.6	0.5	693.7
1939	7.0	0.0	0.0	0.0	0.0	109.3	219.9	110.3	281.8	42.3	1.0	57.6	829.2
1940	8.4	T	T	T	T	10.4	77.4	54.4	140.9	8.8	100.7	T	401.0
Mean	11.5	7.9	0.5	0.1	2.4	32.7	222.2	285.6	293.0	21.8	14.7	16.0	†908.4

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.2	13.3	13.3	12.6	11.1	10.6	8.6	11.4	8.4	10.6	12.3	13.1	11.6
1932	14.5	13.8	13.1	10.9	11.3	8.6	10.7	8.9	9.6	9.7	12.6	13.4	11.4
1933	14.0	14.2	12.6	11.8	11.1	11.1	9.4	9.3	8.0	11.0	13.6	15.0	11.8
1934	14.9	15.3	13.4	12.8	11.1	10.3	11.6	12.0	9.6	10.9	12.3	13.7	12.3
1935	18.7	...	13.6	11.5	11.5	10.6	11.1	10.1	9.6	10.1	12.6	13.3	*12.2
1936	12.3	13.8	12.2	12.4	9.8	8.9	9.8	10.1	8.8	10.5	12.4	13.7	11.2
1937	13.3	14.0	11.9	11.8	10.6	11.0	11.1	11.1	10.2	10.2	12.4	12.8	11.7
1938	14.1	14.6	13.3	12.3	11.1	10.3	12.2	11.0	10.2	11.3	12.6	14.2	12.3
1939	14.6	14.9	12.9	12.0	10.7	10.6	11.6	11.0	10.0	10.5	12.7	14.0	12.1
1940	14.3	13.6	12.2	12.3	11.0	10.5	11.9	11.4	9.8	11.4	12.7	12.8	12.0
Mean	14.5	14.2	12.9	12.0	10.9	10.3	10.8	10.6	9.4	10.6	12.6	13.6	11.8

\* Normal value used for missing month. † Mean of 12 monthly means. ‡ Sum of 12 monthly means.

## MERIDA, MEXICO

Lat. 20°58' N. Long. 89°37' W. H<sub>b</sub> = 22 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+14^h+21^h)$ , 90th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.5	59.5	59.3	59.0	57.7	58.0	57.2	59.6	57.6	58.3	60.0	59.6	58.9
1932	60.4	59.6	58.5	57.8	57.9	56.8	58.9	57.6	57.0	56.9	61.0	60.9	58.6
1933	60.4	60.2	59.1	56.2	55.8	58.1	58.1	57.3	55.0	57.6	61.4	62.0	58.4
1934	61.1	61.6	60.9	58.2	57.4	56.4	59.5	59.5	58.2	58.5	59.8	61.7	59.4
1935	61.8	61.8	59.7	56.8	56.8	57.6	59.0	58.1	57.4	58.4	60.6	61.1	59.1
1936	59.4	58.4	57.4	59.1	57.2	56.1	58.6	58.0	57.7	58.3	60.7	61.0	58.5
1937	59.3	59.4	58.4	57.9	57.6	58.3	59.7	59.0	57.9	58.2	60.1	61.0	58.9
1938	61.6	62.2	58.8	58.7	57.4	59.4	59.7	68.7	58.0	58.8	60.2	61.5	59.6
1939	60.7	59.5	60.2	58.4	57.4	58.4	59.7	60.3	58.2	58.2	61.6	61.0	59.5
1940	61.6	60.4	57.8	57.9	57.8	57.5	60.2	57.8	56.9	59.5	60.5	59.3	58.9
Mean	60.8	60.3	59.0	58.0	57.3	57.7	59.1	58.6	57.4	58.4	60.6	60.9	59.0

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+14^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	21.4	23.2	23.0	24.8	27.0	27.4	27.7	27.4	27.1	25.6	23.7	24.9	25.3
1932	24.8	25.7	24.8	26.1	26.9	27.4	27.4	27.9	28.2	26.5	22.4	23.3	25.9
1933	23.2	25.2	26.1	28.6	28.3	27.3	27.4	27.2	26.8	26.3	24.0	23.3	26.1
1934	23.2	23.2	23.7	26.5	26.8	26.5	26.9	27.1	26.9	26.1	24.2	23.6	25.4
1935	22.4	22.2	25.9	27.5	29.7	28.9	27.1	26.9	27.6	25.7	23.9	22.0	25.8
1936	23.9	25.1	25.4	26.5	27.0	27.3	26.9	27.3	26.9	26.5	24.2	22.4	25.8
1937	24.9	24.5	25.3	26.5	27.2	27.3	26.6	27.2	26.9	25.7	23.2	22.0	25.6
1938	22.4	23.2	26.7	26.8	28.1	26.7	26.8	26.9	26.5	25.0	23.9	22.1	25.4
1939	23.2	25.0	25.5	26.6	27.0	27.0	27.2	27.0	26.3	26.4	23.0	23.0	25.6
1940	21.7	21.5	24.9	26.8	27.1	27.8	27.1	27.7	27.1	25.1	24.5	23.2	25.4
Mean	23.1	23.9	25.1	26.7	27.5	27.4	27.1	27.3	27.0	25.9	23.7	23.0	25.6

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	19.1	11.3	26.7	13.5	123.9	129.7	84.1	127.7	122.2	157.3	8.6	20.2	844.3
1932	1.0	20.2	24.9	57.3	48.3	140.9	145.7	118.9	141.7	188.6	56.0	15.8	959.3
1933	2.5	1.0	T	26.6	82.4	99.4	185.1	141.7	316.0	15.5	0.5	103.6	974.3
1934	25.5	0.7	48.0	34.8	145.7	208.0	107.4	119.2	108.9	23.7	20.2	18.2	860.3
1935	17.0	4.7	T	40.2	24.1	47.1	179.2	135.9	98.5	97.7	25.4	10.0	679.8
1936	15.2	5.0	41.2	64.5	93.5	162.4	178.2	209.9	101.9	107.1	60.0	45.0	1033.9
1937	33.5	42.2	4.4	12.7	30.4	134.9	114.8	170.2	114.7	71.4	6.7	3.7	789.6
1938	29.5	14.2	0.0	26.4	133.0	155.5	116.6	121.3	226.3	28.5	56.0	2.2	909.5
1939	68.0	39.6	3.0	78.8	125.8	27.9	81.3	94.8	214.8	40.4	34.1	3.4	811.9
1940	16.0	2.5	52.4	11.2	24.2	148.7	167.4	171.5	107.5	32.2	17.1	96.4	847.1
Mean	22.7	14.1	20.1	36.6	83.1	130.4	136.0	141.1	155.2	76.2	28.5	31.8	876.0

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.7	15.1	14.9	14.5	12.7	13.1	12.0	15.3	12.6	13.6	15.8	15.3	14.4
1932	16.3	15.3	13.8	12.8	12.9	11.5	14.3	12.6	11.8	11.6	17.1	16.9	13.9
1933	16.3	16.0	14.6	10.7	10.2	13.3	13.3	12.2	9.1	12.6	17.6	18.4	13.7
1934	17.2	17.9	16.9	13.4	12.3	11.0	15.1	15.1	13.4	13.8	15.5	18.0	15.0
1935	18.1	18.1	15.4	11.5	11.5	12.6	14.5	13.3	12.3	13.7	16.6	17.2	14.6
1936	15.0	13.7	12.3	14.6	12.0	10.6	14.0	13.2	12.7	13.6	16.7	17.1	13.8
1937	14.9	15.0	13.7	12.9	12.6	13.6	15.4	14.5	12.9	13.4	15.9	17.1	14.3
1938	17.9	18.7	14.2	14.1	12.3	15.0	15.4	14.1	13.1	14.2	16.0	17.7	15.2
1939	16.7	15.1	16.0	13.7	12.3	13.7	15.4	16.2	13.4	13.4	17.0	17.1	15.1
1940	17.9	16.3	12.8	12.9	12.8	12.4	16.0	12.8	11.6	15.1	16.4	14.9	14.3
Mean	16.8	16.1	14.5	13.1	12.2	12.7	14.5	14.0	12.3	13.5	16.6	17.0	14.4

## MEXICO CITY, MEXICO

Lat. 19°26' N. Long. 99°8' W. H = 2,259 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+14^h+21^h)$ , 90th meridian W.  
500 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	85.5	84.8	84.6	85.1	84.9	85.6	84.6	85.8	85.0	85.9	85.6	85.3	85.2
1932	85.5	85.0	84.2	84.5	85.1	84.5	85.5	84.6	...	...	86.3	...	...
1933	85.1	85.3	84.6	84.5	84.3	85.5	85.2	84.8	83.8	85.5	86.7	86.4	85.1
1934	85.5	86.0	85.3	85.2	85.0	84.6	85.9	86.4	85.3	86.5	85.9	86.3	85.6
1935	85.8	85.4	84.9	84.3	84.5	84.7	86.0	85.5	85.0	85.7	85.9	85.5	85.3
1936	84.8	84.6	84.3	85.6	84.8	84.5	85.1	85.4	85.0	85.7	86.9	85.7	85.2
1937	85.3	85.7	84.6	84.7	84.8	85.3	85.8	86.0	85.5	85.6	85.6	85.2	85.3
1938	85.6	84.3	84.9	84.6	84.5	85.2	85.7	85.6	85.4	86.0	86.0	85.8	85.3
1939	85.1	84.7	85.0	84.9	84.8	85.0	86.0	85.5	85.5	85.7	86.2	85.7	85.3
1940	85.3	84.6	84.1	84.9	85.6	...	...	...	...	...	...	...	...
Mean	85.3	85.0	84.6	84.8	84.8	84.9	85.5	85.8	85.0	85.8	86.1	85.7	*85.3

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+14^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.9	15.5	17.6	17.7	19.1	18.8	18.0	16.9	16.2	16.7	15.3	15.0	16.6
1932	15.2	16.9	17.6	19.0	20.6	19.3	17.5	17.9	...	...	13.3	...	...
1933	14.6	16.4	17.4	20.2	21.1	18.3	18.7	16.9	16.8	15.8	14.5	14.1	17.1
1934	14.1	15.1	14.2	16.5	17.9	17.0	17.7	17.3	17.3	16.0	15.1	14.3	16.0
1935	12.7	12.6	16.7	18.6	19.2	17.6	17.3	17.3	17.3	15.8	15.5	13.9	16.2
1936	14.4	16.0	18.5	17.6	17.9	19.2	17.3	17.5	17.5	16.5	15.5	14.1	16.8
1937	16.1	16.2	17.2	18.9	17.8	17.6	17.1	17.3	17.4	16.4	15.3	13.9	16.8
1938	14.1	14.4	17.1	18.4	19.2	18.0	17.8	17.5	16.6	16.0	15.6	13.4	16.5
1939	14.2	16.5	16.6	17.8	18.4	18.0	16.9	17.5	16.4	16.2	13.8	14.0	16.3
1940	12.8	15.6	17.0	19.5	17.8	...	...	...	...	...	...	...	...
Mean	14.1	15.5	17.0	18.4	18.9	18.2	17.6	17.3	16.9	16.2	14.9	14.1	*16.6

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.7	0.0	0.5	7.9	117.2	178.1	179.7	120.5	125.1	4.5	T	6.7	748.9
1932	0.0	7.9	T	3.1	33.7	25.8	124.4	57.8	...	...	0.0	...	...
1933	0.0	6.5	5.8	2.3	11.1	84.7	109.4	151.8	82.2	32.7	10.4	2.4	499.3
1934	9.3	5.5	2.5	24.9	34.0	39.8	70.7	134.5	163.6	16.5	1.8	21.2	524.3
1935	1.0	1.8	25.3	2.2	58.3	175.8	125.3	97.6	89.8	11.5	T	T	588.6
1936	14.3	T	1.8	6.0	84.3	23.2	130.1	145.2	98.5	26.3	8.0	3.0	540.7
1937	0.5	3.7	22.7	23.1	82.3	159.3	132.8	122.4	161.5	35.8	0.8	4.0	748.9
1938	0.0	15.4	8.8	9.5	18.0	69.4	192.2	83.6	83.4	10.8	60.1	9.5	560.7
1939	T	T	0.8	45.8	13.0	57.2	98.0	158.4	48.7	50.0	0.0	T	471.9
1940	16.7	1.0	45.5	3.7	66.0	...	...	...	...	...	...	...	...
Mean	4.5	4.2	11.4	12.8	51.8	90.4	129.2	119.1	106.6	23.5	9.0	5.8	†568.3

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## MONTERREY, MEXICO

Lat. 25°40' N. Long. 100°18' W. H = 528 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+14^h+21^h)$ , 90th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.4	16.2	16.0	16.0	14.6	14.9	14.1	16.4	15.3	16.3	16.1	16.8	15.9
1932	16.5	15.3	15.4	13.7	14.2	12.4	14.5	13.4	15.2	16.0	19.4	17.3	15.3
1933	16.1	16.9	14.5	12.5	11.8	15.3	14.3	14.4	13.4	16.2	18.6	17.4	15.1
1934	18.0	18.1	17.1	14.4	14.3	13.0	15.0	15.4	15.0	16.6	16.3	18.7	16.0
1935	17.8	18.0	13.9	12.5	...	...	14.3	15.0	16.4	16.5	17.3	17.3	...
1936	15.9	14.9	13.4	15.5	14.0	13.6	15.0	15.6	14.6	17.1	19.4	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	17.2	...
1938	19.8	...	16.3	17.7	16.3	17.9	17.4	17.8	19.3	20.8	20.2	17.7	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	17.5	16.6	15.2	14.6	14.2	14.5	14.9	15.4	15.6	17.1	18.2	17.5	*15.9

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+14^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.2	15.2	17.2	19.5	22.9	26.4	26.3	25.9	26.2	24.4	19.3	14.8	20.9
1932	15.5	20.4	18.5	23.3	25.2	28.6	28.4	28.4	24.8	20.7	15.8	13.2	21.9
1933	16.8	16.0	21.0	24.3	27.9	26.5	27.3	25.8	25.0	22.6	18.3	17.8	22.4
1934	15.4	16.7	18.4	21.4	25.0	28.1	26.9	27.5	25.1	23.9	19.6	16.1	22.0
1935	16.9	15.8	21.9	25.2	26.0	25.7	26.9	28.0	23.9	22.5	18.1	13.6	22.0
1936	13.7	15.7	21.1	21.7	23.9	28.5	26.2	27.0	24.1	19.8	15.4	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	14.3	...
1938	15.4	16.9	23.5	22.6	25.2	27.3	28.4	27.5	24.6	23.2	17.6	16.0	22.3
1939	16.8	16.4	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	15.4	16.6	20.2	22.5	25.1	27.3	27.2	27.1	24.8	22.4	17.7	15.1	*21.8

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	103.5	31.0	25.2	34.4	87.7	14.3	90.0	73.3	26.4	33.4	10.9	34.6	564.4
1932	17.8	1.9	4.6	9.9	27.0	5.6	38.7	64.1	538.4	158.0	17.2	6.7	839.9
1933	15.0	34.0	22.9	2.8	4.3	127.8	138.1	376.3	394.4	176.8	13.1	5.8	1311.3
1934	24.6	5.4	3.3	71.0	59.2	9.8	154.9	29.0	252.6	13.2	24.2	8.8	656.0
1935	42.1	19.1	14.8	3.7	43.6	74.7	68.5	32.7	208.4	107.4	35.7	78.8	729.5
1936	9.6	1.0	3.7	7.7	94.9	9.3	142.8	120.0	143.9	34.1	83.6	T	650.6
1937	...	...	...	...	...	...	...	...	...	...	...	75.5	...
1938	17.5	6.0	13.8	20.4	63.4	74.3	30.6	454.0	148.5	0.2	12.6	40.3	831.6
1939	30.5	0.5	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	32.6	12.3	12.6	21.4	54.3	45.1	94.8	164.2	244.6	74.7	28.2	31.3	†816.1

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## OAXACA, MEXICO

Lat. 16°4' N. Long. 96°43' W. H<sub>b</sub> = 1,563 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 90th meridian W.  
600 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	33.9	33.0	32.8	32.9	32.8	33.3	32.7	34.5	32.2	33.6	32.8	33.7	33.2
1932	34.2	33.6	32.8	32.5	32.2	32.2	33.8	32.2	33.4	32.2	34.7	34.0	33.1
1933	33.9	34.0	33.6	32.7	32.7	33.6	33.6	32.1	32.1	33.5	35.7	35.2	33.5
1934	34.6	34.9	34.3	33.5	33.3	32.9	34.1	34.2	33.4	34.0	33.9	34.3	33.9
1935	34.5	34.5	33.3	32.7	32.8	32.9	33.5	32.1	32.7	33.1	33.7	33.7	33.3
1936	33.1	33.0	32.6	33.4	32.8	32.6	33.4	33.4	33.0	33.6	34.3	34.0	33.3
1937	33.3	33.7	32.7	32.6	32.7	32.3	33.5	33.5	32.2	33.1	33.6	33.7	33.1
1938	33.8	34.3	33.4	32.3	33.2	33.8	33.3	33.7	33.5	33.9	34.0	34.3	33.6
1939	33.9	33.6	33.8	33.4	33.2	33.4	33.2	33.8	33.4	33.7	34.9	34.5	33.7
1940	34.5	33.7	33.2	32.3	33.4	32.3	34.7	33.2	33.4	34.0	34.3	33.9	33.6
Mean	34.0	33.8	33.2	32.8	32.9	32.9	33.6	33.3	32.9	33.5	34.2	34.1	33.4

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.4	19.9	21.6	22.4	22.4	22.3	20.1	20.1	19.5	19.7	17.4	18.9	20.1
1932	18.1	19.2	20.7	21.6	23.2	21.8	20.7	20.8	20.6	19.5	17.7	18.7	20.2
1933	18.8	20.1	21.8	24.0	24.2	22.3	21.4	20.7	20.2	19.9	18.5	17.7	20.8
1934	18.4	18.9	18.7	21.8	22.0	21.7	21.6	20.9	20.9	20.3	18.9	17.9	20.1
1935	16.6	17.1	20.8	22.5	23.0	20.6	21.1	20.5	20.5	19.2	18.4	17.8	19.8
1936	18.8	20.3	22.8	22.2	22.1	22.4	20.6	21.2	20.5	19.9	18.8	18.2	20.6
1937	19.5	20.2	21.5	23.4	21.9	20.6	20.8	20.9	20.5	20.0	18.7	17.9	20.4
1938	18.1	18.6	21.7	22.6	21.8	19.6	20.3	20.4	19.5	18.9	18.0	16.7	19.6
1939	18.1	19.4	19.4	21.8	22.1	20.3	21.5	20.6	20.3	20.2	17.2	18.0	19.9
1940	17.6	19.7	21.7	24.2	23.8	23.0	22.1	22.1	21.0	20.9	19.8	18.9	21.2
Mean	18.1	19.3	21.1	22.6	22.6	21.5	21.0	20.3	20.4	19.8	18.3	18.1	20.3

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.0	T	10.0	8.5	78.1	63.7	222.0	113.0	121.1	29.5	0.0	20.5	667.4
1932	1.0	1.5	1.0	1.0	27.5	96.9	105.8	110.5	146.1	92.2	2.4	5.0	590.9
1933	9.6	0.0	0.0	19.0	19.8	37.0	145.1	159.5	342.0	10.0	26.0	T	763.0
1934	T	8.0	49.0	51.0	103.0	169.0	99.6	243.1	141.5	26.0	5.6	T	895.3
1935	0.0	2.0	24.0	28.0	91.0	197.9	178.0	134.5	119.3	4.0	0.0	12.5	791.2
1936	1.5	11.0	T	66.0	70.7	100.9	222.7	76.4	105.3	25.0	0.0	3.5	683.0
1937	22.5	8.0	39.5	27.0	155.2	231.6	155.5	44.4	47.7	85.0	0.0	1.2	817.6
1938	0.0	12.8	53.3	30.5	82.6	151.0	118.3	53.8	128.5	44.7	13.2	0.0	688.7
1939	T	T	2.5	56.7	76.2	203.2	96.7	113.3	119.9	31.0	0.0	0.0	699.5
1940	0.0	0.0	1.0	14.0	97.4	110.9	92.7	118.3	92.0	3.7	7.1	0.0	537.1
Mean	3.6	4.3	18.0	30.2	80.2	136.2	143.6	116.7	136.3	35.1	5.4	4.3	713.9

## PROGRESO, MEXICO

Lat. 21°7' N. Long. 89°40' W.

TOTAL PRECIPITATION IN MILLIMETERS. H = 14 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	17.7	18.9	T	8.5	6.0	17.2	57.1	31.3	24.1	165.3	5.0	11.0	362.1
1932	2.0	9.2	106.0	65.2	62.4	208.5	26.7	73.5	56.5	165.9	18.5	17.0	811.4
1933	31.8	1.3	T	2.2	82.4	35.6	136.0	114.0	61.6	2.8	1.0	2.0	470.7
1934	T	0.0	50.7	31.9	60.3	105.7	51.2	31.0	48.4	66.4	8.4	4.5	458.5
1935	1.0	3.7	3.0	11.4	1.2	57.4	37.7	83.8	47.4	73.3	8.2	6.2	334.3
1936	12.2	6.4	40.7	13.0	32.8	64.6	69.7	33.2	46.4	91.5	102.9	31.9	545.3
1937	21.1	10.9	2.2	11.4	7.1	41.2	57.3	58.3	85.3	31.6	T	24.0	350.4
1938	6.0	10.7	0.0	T	41.8	65.5	32.1	92.2	71.9	21.6	12.9	6.7	361.4
1939	14.2	0.5	8.5	43.1	41.8	36.8	38.4	9.3	114.8	31.1	14.6	T	353.1
1940	17.6	1.2	26.3	T	T	164.4	88.8	8.7	84.4	31.1	51.1	155.3	628.9
Mean	12.4	6.3	23.7	18.7	33.6	79.7	59.5	53.5	64.1	68.1	22.3	25.7	467.6

## PUEBLA, MEXICO

Lat. 19°2' N. Long. 98°12' W. H<sub>b</sub> = 2,150 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , 90th meridian W.

500 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	93.2	92.4	92.3	92.6	92.5	93.1	92.2	94.1	92.8	93.2	93.0	92.9	92.9
1932	93.2	92.6	91.9	91.7	92.7	91.9	93.3	92.7	93.0	92.8	93.8	93.5	92.8
1933	93.1	93.3	92.7	92.5	92.2	93.0	92.9	92.4	91.3	93.0	94.3	94.1	92.9
1934	93.3	93.7	93.0	92.8	92.5	92.3	93.6	94.0	92.8	93.6	93.4	93.9	93.2
1935	93.3	93.3	92.6	92.0	92.2	92.3	93.5	92.9	92.4	93.0	93.5	93.2	92.9
1936	92.3	92.2	92.0	93.1	92.1	92.1	92.9	93.0	92.6	93.2	94.0	93.4	92.7
1937	92.6	93.0	92.0	92.3	92.3	93.0	93.5	93.6	93.0	93.0	93.3	93.1	92.9
1938	93.4	93.7	92.6	92.5	92.4	93.2	93.8	93.5	93.0	93.4	93.6	93.5	93.2
1939	93.2	92.9	93.1	92.8	92.6	92.8	94.0	93.4	93.1	93.4	94.0	93.6	93.2
1940	93.3	93.2	92.1	92.7	93.3	92.9	94.5	93.8	93.0	93.6	94.2	93.0	93.3
Mean	93.1	93.0	92.4	92.5	92.5	92.7	93.4	93.3	92.7	93.2	93.7	93.4	93.0

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.6	14.8	16.8	17.7	18.8	18.0	17.4	17.0	16.3	17.0	14.9	14.2	16.3
1932	13.3	15.7	16.3	17.6	19.0	18.5	17.1	17.8	17.6	16.1	13.3	13.8	16.3
1933	13.6	15.5	16.5	19.5	20.2	18.2	17.8	16.5	16.6	15.8	14.0	13.6	16.5
1934	13.4	14.7	14.4	16.3	17.4	17.6	16.8	16.9	16.3	15.5	14.4	13.9	15.6
1935	12.7	12.4	16.2	18.1	18.8	16.9	16.7	16.9	16.6	15.7	14.8	13.2	15.8
1936	14.1	15.2	17.7	17.3	17.7	18.6	16.5	17.2	16.4	16.1	15.3	13.4	16.3
1937	14.8	15.5	17.2	18.7	17.7	17.0	17.1	17.4	17.2	16.7	15.2	13.7	16.5
1938	13.2	14.3	17.9	18.2	18.8	17.5	17.2	17.5	16.6	16.0	15.4	12.7	16.3
1939	13.5	14.9	16.2	17.6	17.9	17.7	17.2	17.2	16.6	16.3	13.7	13.3	16.0
1940	12.2	14.6	16.4	19.2	18.1	17.9	17.5	18.2	16.8	16.9	15.3	13.5	16.4
Mean	13.3	14.8	16.6	18.0	18.4	17.8	17.1	17.3	16.7	16.2	14.6	13.5	16.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6.3	5.1	T	1.0	129.2	178.6	271.0	103.5	211.2	35.3	13.7	25.9	980.8
1932	8.5	1.8	0.5	T	58.9	94.7	101.0	94.0	116.9	84.6	8.6	T	569.5
1933	T	12.9	1.0	T	39.5	151.3	202.7	285.9	184.9	60.4	19.6	T	958.2
1934	8.7	5.7	18.2	40.0	74.9	171.0	101.4	197.4	194.4	41.9	20.1	16.5	890.2
1935	T	0.5	35.3	0.2	71.6	299.1	157.0	160.5	153.4	T	T	T	877.6
1936	0.5	T	T	15.1	67.4	99.0	218.6	147.8	206.0	51.9	0.3	1.4	808.0
1937	1.5	5.6	40.5	32.4	95.0	309.7	207.2	176.4	133.1	29.0	9.1	0.8	1041.2
1938	0.0	11.8	3.7	28.7	51.1	204.4	228.6	96.7	89.9	20.1	31.4	0.0	766.4
1939	1.1	T	1.4	40.1	50.5	164.7	118.3	187.2	88.3	83.1	0.0	4.4	739.1
1940	4.7	T	22.5	0.3	63.9	200.0	154.3	187.6	84.7	17.4	13.0	27.5	775.9
Mean	3.1	4.3	12.3	15.8	70.3	187.2	176.0	163.7	146.3	42.4	11.6	7.6	840.7



## SALINA CRUZ, MEXICO

Lat. 16°10' N. Long. 95°12' W.

TOTAL PRECIPITATION IN MILLIMETERS. H = 56 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	T	T	0.3	T	14.6	107.3	623.0	73.7	222.9	43.4	0.0	T	1085.2
1932	0.0	10.2	2.5	T	48.3	736.7	231.0	200.7	196.6	251.7	0.0	T	1677.7
1933	0.0	T	2.0	0.0	3.0	38.4	352.9	839.6	133.5	6.7	0.0	T	1376.1
1934	T	T	0.0	0.0	34.5	135.9	156.8	25.1	135.8	11.7	3.2	0.0	503.0
1935	0.0	T	T	T	187.4	284.3	69.3	302.3	84.1	6.7	0.0	3.7	937.8
1936	14.0	0.6	T	0.0	0.2	86.4	273.8	75.0	293.3	26.9	T	2.6	772.8
1937	0.0	T	T	1.7	329.6	45.1	191.6	83.8	110.4	27.2	3.2	0.0	792.6
1938	0.0	0.0	0.2	2.0	31.6	406.4	101.5	65.7	346.8	66.8	1.0	0.0	1022.0
1939	T	34.7	T	T	T	236.1	55.9	268.3	707.9	53.9	0.0	T	1356.3
1940	0.1	T	0.0	0.7	T	234.2	70.8	54.8	55.2	16.4	2.7	21.7	456.6
Mean	1.4	4.6	0.5	0.4	64.9	231.1	212.7	198.9	228.6	51.1	1.0	2.8	998.1

## TACUBAYA, D. F., MEXICO

Lat. 19°24' N. Long. 99°6' W. H = 2,309 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hourly observations, 90th meridian W.

500 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	81.3	80.4	80.4	80.8	80.9	81.7	80.7	82.6	81.4	82.1	81.5	81.3	81.3
1932	81.6	81.1	80.2	80.3	81.3	80.2	81.9	81.1	81.4	81.4	82.5	81.6	81.2
1933	81.3	81.5	80.8	80.7	80.6	81.6	81.3	80.9	80.0	81.8	82.9	82.8	81.4
1934	81.7	82.2	81.5	81.2	81.0	80.6	82.0	82.4	81.2	82.2	81.8	82.4	81.7
1935	81.9	81.4	80.9	80.4	80.5	80.6	81.9	81.3	80.9	82.0	82.0	81.4	81.3
1936	80.6	80.1	79.9	81.0	80.4	80.4	81.0	81.2	80.9	81.8	81.5	81.7	80.9
1937	80.8	81.3	80.3	80.7	80.6	81.3	81.9	81.9	81.5	81.5	81.6	81.2	81.2
1938	81.4	81.9	80.9	80.7	80.5	81.3	81.8	81.7	81.3	81.7	81.7	81.6	81.4
1939	81.3	80.5	81.1	80.9	80.5	80.6	82.0	81.4	81.3	81.6	83.4	81.5	81.3
1940	81.1	80.4	79.8	80.5	81.2	80.8	82.5	81.8	81.3	81.7	81.7	81.0	81.2
Mean	81.3	81.1	80.6	80.7	80.8	80.9	81.7	81.6	81.1	81.8	82.1	81.7	81.3

## TEMPERATURE IN DEGREES C.

Means of 24 hourly observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.1	13.3	15.5	15.7	17.0	16.9	16.1	15.6	15.1	14.9	13.0	12.4	14.7
1932	12.4	14.1	14.9	16.2	17.5	17.3	15.5	16.0	15.8	14.3	10.9	11.5	14.7
1933	11.8	14.0	15.2	17.7	19.0	16.7	17.2	15.5	15.3	14.4	12.4	11.4	15.1
1934	11.8	12.9	12.6	14.8	16.0	17.5	16.0	15.4	15.6	14.1	13.1	12.5	14.4
1935	10.7	11.0	15.0	16.6	17.5	16.0	15.4	15.4	15.6	14.0	13.1	11.6	14.3
1936	12.4	14.1	16.9	16.1	16.2	17.7	15.9	15.8	15.6	14.9	13.8	12.0	15.1
1937	13.7	14.3	15.1	17.1	16.3	16.2	15.6	15.6	15.9	14.6	12.9	11.8	14.9
1938	11.8	12.5	15.7	16.4	17.2	16.2	15.7	15.5	14.8	13.8	13.4	11.0	14.5
1939	11.8	14.2	15.1	15.6	16.5	16.2	15.2	15.7	14.6	14.4	11.5	11.4	14.4
1940	10.4	13.2	14.5	17.5	16.0	16.9	15.6	16.2	15.4	15.0	13.5	11.7	14.7
Mean	11.8	13.4	15.0	16.4	16.9	16.8	15.8	15.7	15.4	14.4	12.8	11.7	14.7

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.4	T	0.8	16.0	80.6	136.1	169.6	220.1	161.7	21.4	T	19.2	828.9
1932	T	12.0	1.0	6.0	42.0	62.2	237.0	154.7	127.0	119.8	0.0	T	761.7
1933	0.0	6.0	4.6	3.9	17.8	41.2	153.9	266.0	99.6	49.7	25.2	10.7	678.6
1934	7.6	13.8	4.4	32.9	54.9	69.3	88.9	251.9	168.6	19.4	3.0	21.8	736.5
1935	6.2	1.1	10.7	3.2	92.2	207.2	175.1	100.0	126.2	38.1	3.5	0.2	763.7
1936	12.9	0.2	1.0	16.0	103.0	46.9	215.6	134.3	108.5	53.5	9.5	2.5	703.9
1937	T	11.4	36.9	23.8	101.9	159.6	194.5	169.5	105.5	47.6	1.8	3.7	856.2
1938	0.0	14.6	10.8	23.9	22.3	118.5	157.1	218.0	159.5	15.7	11.2	8.5	760.1
1939	0.2	T	4.7	72.5	27.4	87.8	183.9	149.2	95.4	117.6	0.0	0.6	739.7
1940	20.0	2.5	47.4	4.4	82.0	142.1	177.8	129.9	14.2	15.8	0.5	9.8	646.4
Mean	5.0	6.2	12.2	20.3	62.4	107.1	175.3	179.4	116.6	49.9	5.5	7.7	747.6

## ABILENE, UNITED STATES \*

Lat. 32°23' N. Long. 99°40' W. H<sub>s</sub> = 1,738 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h+19^h)$ , corrected to means of 24 hours, 90th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.310	.203	.198	.222	.161	.152	.134	.216	.166	.232	.218	.241	.204
1932	.235	.191	.176	.103	.167	.074	.159	.125	.231	.210	.341	.273	.190
1933	.195	.267	.150	.053	.043	.172	.131	.153	.110	.216	.313	.231	.170
1934	.298	.313	.256	.153	.143	.071	.154	.175	.158	.226	.205	.313	.206
1935	.293	.301	.122	.082	.081	.104	.192	.145	.210	.238	.281	.312	.197
1936	.211	.160	.088	.191	.151	.108	.164	.169	.148	.262	.401	.255	.192
1937	.198	.224	.222	.069	.116	.122	.163	.161	.198	.204	.279	.284	.187
1938	.265	.300	.080	.153	.057	.152	.160	.197	.208	.248	.257	.274	.196
1939	.204	.177	.198	.134	.072	.081	.150	.148	.182	.222	.404	.231	.184
1940	.347	.161	.102	.087	.119	.117	.194	.153	.216	.226	.281	.225	.186
Mean	.256	.230	.159	.125	.111	.115	.160	.164	.183	.228	.298	.264	.191

TEMPERATURE IN DEGREES F. h<sub>r</sub> = 10 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	46.0	51.0	49.5	60.4	68.2	81.9	83.3	82.0	83.1	70.5	57.3	46.1	64.9
1932	44.9	55.5	51.6	67.8	70.8	79.4	82.7	81.4	71.1	62.3	50.9	41.1	63.3
1933	51.6	44.6	59.1	65.4	74.2	80.7	84.8	84.0	82.9	70.8	57.1	51.5	67.2
1934	47.1	48.4	54.0	65.8	74.5	85.6	86.9	86.2	77.0	72.8	58.9	47.9	67.1
1935	49.4	48.0	62.5	65.6	69.7	77.4	83.1	84.5	71.1	67.7	51.3	45.1	64.6
1936	43.0	44.5	60.8	63.8	73.4	83.2	83.8	86.4	76.3	61.8	50.1	49.5	64.7
1937	39.8	47.6	50.7	66.2	74.6	81.2	85.2	86.4	79.1	66.9	51.3	44.9	64.5
1938	48.4	52.0	63.0	63.0	73.4	81.1	82.7	84.0	78.7	70.2	52.9	46.9	66.4
1939	48.6	44.8	60.2	67.7	75.2	82.4	85.7	82.8	80.3	69.3	52.2	49.4	66.6
1940	36.0	47.4	59.2	65.2	73.0	76.3	83.4	81.6	76.3	68.9	51.7	47.8	63.9
Mean	45.5	48.4	57.1	65.1	72.7	80.9	84.2	83.9	77.6	68.1	53.4	47.0	65.3

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.82	2.54	1.12	2.15	1.14	1.22	2.21	0.31	0.09	10.21	3.49	1.96	23.26
1932	1.63	3.12	0.10	2.67	10.99	4.13	4.49	4.05	10.53	0.34	0.01	4.32	46.43
1933	0.34	1.41	0.70	0.43	7.85	0.32	0.94	0.60	0.40	0.39	2.70	1.64	17.72
1934	0.34	0.77	3.23	2.61	1.45	0.46	0.52	0.15	0.86	0.18	2.45	0.39	13.41
1935	0.52	2.95	0.59	1.55	6.40	5.16	1.73	0.37	6.22	2.25	1.19	0.49	29.42
1936	0.60	0.12	0.94	4.09	3.75	0.01	2.09	0.12	7.32	2.42	0.62	0.77	22.85
1937	0.90	0.03	1.34	1.16	2.14	2.82	0.22	3.34	1.52	2.70	0.80	2.89	19.86
1938	1.49	1.23	4.36	1.62	6.61	5.92	7.95	0.04	0.29	1.26	0.97	0.44	32.18
1939	1.60	0.18	1.00	0.09	6.57	4.30	0.94	1.95	0.03	1.92	1.99	0.79	21.36
1940	0.29	3.50	0.27	1.53	1.57	3.93	0.12	2.26	0.97	0.65	3.26	1.68	20.03
Mean	0.96	1.58	1.36	1.79	4.85	2.83	2.12	1.32	2.82	2.23	1.75	1.54	25.15

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	21.3	17.0	17.0	17.0	14.1	12.8	12.0	15.1	13.3	16.6	17.0	18.8	16.0
1932	18.7	16.2	16.0	12.2	14.1	10.1	12.9	11.9	16.6	16.1	22.1	20.4	15.6
1933	16.7	19.7	14.4	10.4	9.4	13.5	11.8	12.7	11.3	16.1	20.6	18.1	14.6
1934	20.8	21.2	18.8	14.1	13.2	9.5	12.4	13.3	13.4	16.3	16.6	21.2	15.9
1935	20.4	20.8	13.2	11.5	11.2	11.4	14.2	12.4	15.9	17.1	19.7	21.4	15.8
1936	18.0	16.1	12.1	15.5	13.4	11.0	13.1	13.1	13.1	18.4	24.3	19.0	15.6
1937	17.6	18.0	17.7	10.9	12.0	11.7	12.9	12.8	14.8	15.9	19.7	20.4	15.4
1938	19.5	20.4	11.5	14.3	9.9	12.8	13.0	14.2	15.2	17.3	18.9	19.8	15.6
1939	17.3	16.5	16.1	13.2	10.5	10.2	12.4	12.6	14.0	16.3	24.1	18.2	15.1
1940	23.4	15.7	12.6	11.7	12.2	11.9	14.2	12.8	15.5	16.4	19.7	18.1	15.3
Mean	19.4	18.2	14.9	13.1	12.0	11.5	12.9	13.1	14.3	16.7	20.3	19.5	15.5

\* See NOTES for United States, p. 41, and ADDITIONAL DATA, p. 606.

## ALBANY, UNITED STATES

Lat. 42°39' N. Long. 73°45' W. H<sub>b</sub> = 97 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^h + 20^h)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.892	.939	.818	.903	.816	.852	.797	.921	.892	.922	1.059	.985	.900
1932	1.022	.898	.687	.833	.919	.781	.721	.874	.964	.913	1.114	1.051	.893
1933	.912	.885	.850	.893	.845	.808	.891	.898	.826	1.016	.861	1.020	.892
1934	1.005	1.063	1.063	.892	.880	.783	.839	.932	1.010	.930	1.016	.962	.948
1935	1.071	.939	.955	.797	.870	.825	.873	.909	.913	1.089	1.039	.926	.936
1936	.878	.990	.799	.899	.895	.799	.769	.896	.995	.963	.927	1.151	.913
1937	1.158	.879	.811	.909	.840	.797	.853	.953	.958	.930	.937	1.007	.919
1938	.959	1.097	.888	.921	.825	.865	.838	.851	.895	.991	1.021	.953	.925
1939	.909	.974	.962	.825	.832	.850	.843	.856	.914	.898	1.057	.735	.888
1940	.899	.859	.829	.831	.807	.772	.904	.997	.916	.960	.966	.994	.894
Mean	.970	.952	.866	.870	.853	.813	.833	.909	.931	.961	1.000	.978	.911

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 107 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	24.2	25.9	37.6	48.7	58.8	68.1	75.5	70.5	66.6	54.6	47.3	33.1	50.9
1932	36.2	29.2	31.6	44.5	60.0	66.9	70.3	71.5	63.6	54.6	37.9	31.8	49.8
1933	34.8	29.2	33.0	48.1	61.4	70.9	74.1	70.5	64.4	50.6	35.1	24.7	49.7
1934	25.4	12.2	32.4	47.0	60.6	69.3	73.9	67.1	65.8	48.4	44.0	26.0	47.7
1935	19.8	24.9	36.6	45.9	55.6	67.7	75.1	71.1	59.8	52.4	42.9	25.5	48.1
1936	23.8	18.4	42.3	44.5	61.5	68.7	73.9	70.9	63.0	51.8	37.3	32.0	49.0
1937	33.2	30.5	31.4	45.7	61.2	68.3	73.9	74.9	61.2	50.8	41.8	28.8	50.1
1938	22.8	29.5	39.4	50.5	57.0	67.7	72.3	72.6	58.2	52.2	40.1	28.4	49.2
1939	22.2	24.7	28.2	41.6	60.0	66.7	71.3	73.3	61.3	48.6	35.3	27.0	46.7
1940	15.2	21.9	26.8	41.2	57.8	64.5	70.5	67.2	59.6	45.5	38.3	28.6	44.8
Mean	25.8	24.6	33.9	45.8	59.4	67.9	73.1	71.0	62.3	50.9	40.0	28.6	48.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 100 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.26	2.07	1.48	2.31	5.92	4.00	5.76	2.34	1.91	1.37	1.18	2.62	33.22
1932	2.83	1.80	2.73	2.05	1.69	2.24	4.66	3.30	1.73	4.79	5.41	1.01	34.24
1933	1.49	2.52	4.02	3.92	2.41	2.21	1.83	5.95	6.28	3.14	1.02	3.39	38.18
1934	2.36	2.68	3.13	2.82	2.56	5.75	2.98	2.76	5.82	1.43	2.26	1.93	36.48
1935	4.10	2.26	1.60	2.48	2.35	5.20	4.96	1.47	2.90	1.42	4.15	0.85	33.74
1936	4.59	1.92	5.39	3.12	4.29	1.86	1.94	6.54	1.34	3.99	2.16	2.90	39.95
1937	2.61	2.08	2.40	1.89	4.13	5.31	4.35	4.16	5.08	2.61	1.83	2.05	38.50
1938	3.49	1.60	1.63	2.59	3.42	3.52	5.11	3.18	5.76	1.18	2.36	3.33	40.17
1939	2.54	3.07	3.06	3.48	1.11	3.04	2.86	1.96	3.61	3.22	1.69	1.53	31.17
1940	1.13	2.83	4.53	3.93	3.68	2.83	4.23	1.78	4.31	0.89	3.13	2.64	35.91
Mean	2.74	2.28	3.00	2.86	3.15	3.60	3.87	3.34	4.17	2.40	2.52	2.23	26.16

## ALPENA, UNITED STATES

Lat. 45°5' N. Long. 83°30' W. H<sub>0</sub> = 609 ft.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{2}(7^h+19^h)$ , 90th meridian W.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.8	18.6	17.0	17.0	12.8	16.2	13.2	17.6	15.6	16.0	16.7	18.9	16.3
1932	16.5	14.2	12.4	17.3	17.2	13.3	12.2	14.9	18.8	13.8	21.2	16.9	15.7
1933	13.0	14.5	16.5	13.9	14.5	14.3	16.6	17.2	13.0	17.3	14.0	19.2	15.3
1934	17.1	24.0	20.4	12.8	15.6	12.4	15.4	17.1	16.4	17.2	16.5	17.9	16.9
1935	20.9	18.4	16.6	16.7	18.9	12.4	15.2	16.3	16.9	19.9	19.2	19.2	17.6
1936	15.3	17.2	11.5	16.8	16.8	14.4	14.7	16.4	18.1	16.6	17.0	16.7	16.0
1937	20.1	13.5	18.0	14.9	15.8	14.2	14.4	18.0	18.1	15.5	14.7	18.3	16.3
1938	14.8	22.9	13.0	15.9	14.1	15.2	14.6	15.3	16.9	19.3	16.0	15.1	16.1
1939	15.0	16.4	18.1	13.4	14.7	14.1	15.4	14.8	16.9	14.7	23.5	11.0	15.7
1940	16.3	18.8	16.2	16.8	12.4	11.7	18.4	19.0	18.8	19.0	17.5	18.2	16.9
Mean	16.5	17.9	16.0	15.5	15.3	13.8	15.0	16.7	16.9	16.9	17.6	17.1	16.3

## BISMARCK, UNITED STATES

Lat. 46°47' N. Long. 100°33' W. H<sub>b</sub> = 1,674 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.

27 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.174	1.238	1.309	1.215	1.139	1.089	1.118	1.229	1.086	1.184	1.177	1.175	1.178
1932	1.184	1.128	1.215	1.163	1.175	1.088	1.122	1.137	1.242	1.184	1.231	1.171	1.170
1933	.999	1.158	1.219	1.126	1.077	1.102	1.170	1.203	1.046	1.218	1.232	1.225	1.143
1934	1.218	1.338	1.295	1.179	1.107	1.098	1.154	1.194	1.166	1.202	1.183	1.264	1.200
1935	1.296	1.290	1.063	1.211	1.254	1.074	1.140	1.146	1.192	1.229	1.273	1.273	1.203
1936	1.240	1.282	1.065	1.266	1.155	1.124	1.090	1.184	1.162	1.237	1.331	1.197	1.194
1937	1.252	1.150	1.328	1.115	1.155	1.144	1.163	1.128	1.224	1.218	1.244	1.253	1.198
1938	1.211	1.350	1.041	1.177	1.133	1.158	1.190	1.141	1.266	1.214	1.181	1.170	1.186
1939	1.094	1.221	1.246	1.179	1.091	1.101	1.151	1.164	1.174	1.172	1.363	1.183	1.178
1940	1.387	1.261	1.235	1.227	1.206	1.147	1.213	1.237	1.255	1.172	1.316	1.205	1.238
Mean	1.205	1.242	1.202	1.186	1.149	1.112	1.151	1.176	1.181	1.203	1.253	1.212	1.189

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 8 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.1	29.6	26.9	45.3	54.7	69.8	71.8	67.4	63.0	47.9	30.5	21.3	46.1
1932	10.3	14.9	20.2	46.5	56.8	67.7	72.2	69.6	58.2	39.5	28.2	15.6	42.5
1933	14.7	9.8	30.7	42.2	55.9	73.4	74.1	69.2	62.7	42.7	30.8	11.9	43.2
1934	20.3	22.8	27.9	45.1	65.9	66.2	74.4	69.7	52.4	50.2	35.3	15.3	45.5
1935	9.1	26.8	27.3	39.9	50.4	62.4	76.0	67.9	60.0	43.7	20.5	15.2	41.6
1936	-3.3	-12.2	27.9	37.8	62.9	69.4	83.6	72.5	61.4	43.1	30.6	16.6	40.0
1937	-5.5	7.8	28.3	42.5	59.2	64.8	73.8	75.3	60.2	45.5	26.2	13.5	41.0
1938	18.0	7.0	34.1	46.0	53.9	67.0	72.2	71.3	63.4	51.9	25.2	21.7	43.2
1939	19.5	0.7	26.3	43.6	62.3	61.8	74.6	69.8	60.0	42.3	35.8	27.6	43.7
1940	2.7	15.2	26.3	38.8	55.9	64.6	73.7	69.8	64.2	50.2	22.0	21.9	42.1
Mean	10.6	12.2	27.6	42.8	57.8	66.7	74.6	70.3	60.5	45.7	28.5	18.1	42.9

TOTAL PRECIPITATION IN INCHES. h<sub>t</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.05	0.74	1.26	0.42	1.94	1.66	3.39	1.58	2.81	1.19	0.25	0.53	15.82
1932	0.35	0.20	0.73	2.08	3.78	2.57	1.38	0.61	0.33	2.05	0.16	0.17	14.41
1933	0.83	0.22	0.68	0.73	2.38	1.95	1.61	0.48	0.37	0.44	0.74	0.43	10.36
1934	0.08	0.03	0.62	0.32	0.09	3.39	0.98	0.50	0.54	0.86	0.20	0.13	7.74
1935	0.04	0.29	0.99	3.03	2.25	2.82	5.46	1.14	0.38	T	0.82	0.71	17.93
1936	0.36	0.59	0.88	0.37	0.12	0.47	0.10	0.62	1.66	0.14	0.45	0.21	5.97
1937	0.70	0.39	0.58	1.43	1.52	6.09	2.17	1.12	1.19	0.49	0.41	0.51	16.60
1938	0.40	0.76	0.58	0.54	2.45	3.17	2.36	0.84	1.11	0.24	0.81	0.16	13.42
1939	0.32	0.63	0.21	0.69	1.57	5.42	2.52	1.81	0.24	0.81	0.01	0.26	14.49
1940	0.02	0.28	0.79	2.93	1.04	2.13	3.85	0.32	1.38	1.38	0.47	0.10	14.19
Mean	0.32	0.41	0.73	1.25	1.71	2.97	2.33	0.90	1.00	0.76	0.43	0.32	13.14

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.8	18.6	21.4	16.5	13.1	10.3	11.1	15.4	10.7	15.3	16.4	17.1	15.2
1932	18.4	15.9	18.5	14.5	14.2	10.3	11.2	12.0	16.6	15.9	18.6	17.4	15.3
1933	11.2	17.4	17.9	13.6	10.7	10.5	12.9	14.4	9.1	17.0	18.4	19.7	14.4
1934	18.7	22.8	20.9	15.2	11.1	10.8	12.4	14.1	14.2	15.8	16.3	20.7	16.1
1935	22.7	20.8	12.5	16.9	17.5	10.2	11.7	12.4	14.7	17.3	20.6	19.8	16.5
1936	21.5	23.8	12.6	19.0	13.1	11.6	9.5	13.5	13.5	17.5	22.0	18.2	16.3
1937	21.9	17.2	21.9	13.0	13.3	12.5	12.6	11.2	15.8	16.7	19.1	20.6	16.4
1938	19.0	24.5	11.1	15.1	12.8	12.9	13.7	12.0	17.0	16.0	16.8	16.9	15.7
1939	14.2	20.4	19.2	15.3	14.3	11.1	12.3	13.1	14.2	15.3	22.9	17.0	15.5
1940	26.6	20.8	18.7	17.5	15.6	12.7	14.6	17.5	16.8	14.8	22.1	18.3	17.9
Mean	19.1	20.2	17.5	15.7	13.2	11.3	12.2	13.4	14.3	16.2	19.3	18.7	15.9

## BOSTON, UNITED STATES

Lat. 42°21' N. Long. 71°4' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 96$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.09	4.21	4.66	3.12	4.51	9.13	2.43	4.45	1.67	2.18	0.82	2.90	44.17
1932	4.24	1.74	5.28	1.67	1.63	2.05	2.10	4.24	4.50	7.18	5.24	1.78	41.65
1933	2.04	3.77	6.80	7.37	2.74	1.22	2.63	3.41	10.94	3.11	0.65	2.93	47.61
1934	2.67	4.45	4.04	3.21	1.56	3.11	1.25	1.83	5.67	2.94	1.78	1.64	34.15
1935	6.13	3.26	1.52	4.77	1.35	5.07	1.10	2.14	2.69	0.34	3.91	0.66	32.94
1936	6.46	3.66	6.40	3.54	1.70	2.37	1.04	5.15	3.79	2.67	1.33	8.19	46.30
1937	3.93	1.31	3.57	5.34	2.52	3.47	1.17	4.97	3.69	3.95	4.66	5.09	43.67
1938	4.91	2.38	2.42	3.22	4.42	6.30	9.46	3.31	6.00	2.43	2.89	2.80	50.54
1939	2.18	3.79	5.23	4.54	1.29	2.70	0.75	2.14	1.01	4.77	1.14	2.91	32.45
1940	1.68	4.78	3.83	4.58	3.28	1.80	3.17	0.85	2.32	0.76	6.24	2.76	36.05
Mean	3.83	3.33	4.37	4.14	2.50	3.72	2.51	3.25	4.23	3.03	2.87	3.17	40.95

## BURLINGTON, VT., UNITED STATES

Lat. 44°29' N. Long. 73°12' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 3$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.49	1.94	1.82	2.24	2.20	2.46	6.91	1.84	3.86	2.52	1.59	2.17	32.04
1932	2.15	1.19	3.06	2.82	1.75	2.49	8.08	1.87	1.87	6.06	3.83	1.88	37.05
1933	0.75	1.67	2.92	3.89	2.16	2.59	0.58	4.47	2.86	4.26	1.33	2.42	29.90
1934	3.04	1.22	1.55	2.13	1.02	3.81	2.40	1.31	4.05	1.65	2.47	2.68	27.33
1935	2.80	1.13	0.88	3.31	2.31	6.58	4.01	3.26	4.23	1.64	2.45	1.20	33.80
1936	3.46	1.48	3.80	3.48	2.88	1.51	3.67	3.94	2.77	4.75	2.30	2.20	36.24
1937	1.63	1.59	2.69	1.33	4.27	3.97	2.97	4.18	1.82	2.89	2.42	2.29	32.05
1938	1.99	1.64	2.09	2.31	2.13	2.04	4.69	3.66	6.87	1.37	1.71	3.64	34.14
1939	1.29	3.08	2.24	4.21	3.38	5.35	2.83	2.78	3.77	2.19	0.92	1.75	33.79
1940	0.77	1.48	3.22	1.83	4.78	3.32	6.11	2.11	2.54	2.70	2.67	2.50	34.08
Mean	2.04	1.64	2.43	2.76	2.69	3.41	4.23	2.94	3.46	3.00	2.17	2.27	33.04

## CHARLESTON, UNITED STATES

Lat. 32°47' N. Long. 79°56' W. H<sub>b</sub> = 48 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^h + 20^h)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.070	1.017	.891	1.020	.928	.973	.927	1.008	1.016	1.062	1.167	1.115	1.016
1932	1.155	1.023	.902	.946	.988	.903	.914	.965	.984	.976	1.085	1.148	.999
1933	1.064	1.081	1.018	.917	.946	.945	.990	.934	.913	1.011	1.050	1.122	.999
1934	1.127	1.101	1.104	.975	.934	.936	.960	1.016	.990	1.017	1.097	1.105	1.030
1935	1.111	1.061	1.084	.875	.976	.945	.986	.947	.948	1.119	1.048	1.072	1.014
1936	1.028	1.047	.880	1.038	1.016	.900	.932	1.000	.994	1.018	1.094	1.142	1.007
1937	1.154	1.017	.970	.954	.968	.929	.984	1.028	.984	.995	1.061	1.129	1.014
1938	1.062	1.177	1.037	1.048	.930	.997	.998	1.008	.962	1.031	1.112	1.079	1.037
1939	1.073	1.107	1.070	.988	.987	.977	.948	.944	.972	1.019	1.163	.990	1.020
1940	1.065	.969	.946	.958	.903	.972	1.020	.934	.960	1.021	1.123	1.060	.994
Mean	1.091	1.060	.990	.972	.958	.948	.966	.978	.972	1.027	1.100	1.096	1.013

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 11 ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	48.6	51.3	53.3	63.1	70.8	77.6	81.9	79.0	78.1	69.6	62.6	60.8	66.4
1932	59.6	59.5	54.9	65.7	72.0	78.2	82.8	79.7	75.8	68.6	56.4	56.1	67.4
1933	55.4	53.3	57.7	64.0	72.2	78.8	79.3	80.4	80.6	68.0	56.6	57.5	67.5
1934	52.2	45.5	55.5	65.3	70.4	79.8	82.9	81.2	77.6	68.1	59.3	49.7	65.6
1935	51.0	50.7	62.9	65.9	73.0	79.4	78.3	80.2	75.4	67.8	60.0	44.1	65.7
1936	46.7	47.9	59.4	64.0	72.4	78.0	81.9	80.6	78.2	69.8	56.8	51.7	65.6
1937	61.3	50.5	56.5	64.1	72.0	80.0	80.0	80.0	74.9	64.6	54.8	47.9	65.6
1938	49.9	54.8	62.7	65.8	75.5	76.8	79.0	82.0	77.0	65.2	60.5	50.4	66.6
1939	52.4	57.3	61.0	65.5	71.7	81.0	80.8	79.2	78.6	68.8	54.6	50.9	66.8
1940	39.6	48.3	54.5	62.1	69.6	80.0	80.4	79.7	74.3	66.0	58.6	54.5	64.0
Mean	51.7	51.9	57.8	64.5	72.5	79.0	80.7	80.2	77.0	67.6	58.0	52.4	66.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 76 ft.\*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.37	1.67	2.88	0.92	1.12	2.46	6.88	4.93	2.08	0.71	0.53	2.25	28.80
1932	0.98	1.17	2.62	0.31	5.64	6.59	4.03	6.42	7.18	6.98	2.24	0.68	44.84
1933	3.85	5.93	0.99	2.29	1.76	2.72	8.12	8.69	13.04	2.81	2.25	0.40	52.85
1934	1.80	3.07	1.18	1.72	5.41	1.68	2.35	7.05	4.04	5.73	2.64	2.16	38.83
1935	2.27	1.93	1.02	1.12	7.09	3.45	17.78	9.53	5.53	0.14	1.48	2.72	54.06
1936	2.54	3.45	5.51	2.20	1.79	3.08	3.42	6.37	2.47	5.55	0.83	2.99	40.20
1937	3.91	4.68	1.84	6.55	1.60	3.11	9.62	4.09	4.34	2.68	4.86	1.48	48.76
1938	1.12	0.76	0.33	2.65	3.94	3.10	5.99	3.60	5.24	2.63	0.60	1.14	31.10
1939	2.09	8.96	1.87	2.05	2.54	6.63	10.77	8.78	1.16	0.89	1.91	1.39	49.04
1940	3.31	3.73	2.62	1.77	2.01	2.07	7.15	16.71	2.16	0.06	1.54	2.36	45.49
Mean	2.42	3.53	2.09	2.16	3.29	3.49	7.61	7.62	4.72	2.82	1.89	1.76	43.40

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.0	18.2	14.0	18.3	15.2	16.7	15.1	17.9	18.1	19.7	23.3	21.5	18.2
1932	22.9	18.4	14.3	15.8	17.2	14.4	14.7	16.4	17.1	16.8	20.4	22.6	17.6
1933	19.7	20.4	18.2	14.8	15.8	17.3	15.4	14.7	18.0	19.3	21.8	21.8	17.6
1934	21.9	21.1	21.1	16.7	15.3	15.4	16.3	18.2	17.3	18.2	20.9	21.1	18.6
1935	21.4	19.7	20.4	13.3	16.8	15.6	17.1	15.9	15.9	21.6	19.2	20.1	18.1
1936	18.5	19.2	13.5	18.9	18.1	14.3	15.3	17.6	17.4	18.3	20.8	22.4	17.9
1937	22.8	18.2	16.6	16.0	16.5	15.2	17.0	18.6	17.1	17.4	19.6	21.9	18.1
1938	19.7	23.6	18.8	19.3	15.2	17.5	17.5	17.9	16.3	18.7	21.4	20.3	18.8
1939	20.2	21.3	20.1	17.3	17.2	16.9	15.9	15.7	16.7	18.3	23.2	17.4	18.0
1940	19.9	16.6	15.9	16.3	14.4	16.7	18.3	15.4	16.3	18.4	21.8	19.7	17.5
Mean	20.7	19.6	17.3	16.7	16.2	15.9	16.5	16.9	16.7	18.5	21.0	20.9	18.1

\* Elevation 3 ft. beginning June 10, 1932.



## CHEYENNE, UNITED STATES

Lat. 41°8' N. Long. 104°48' W. H<sub>b</sub> = 6,088 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h+18^h)$ , 105th meridian W.  
23 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.991	.953	.962	1.013	1.013	1.045	1.086	1.156	1.040	1.054	.951	.921	1.015
1932	.865	.891	.896	.921	1.002	1.014	1.088	1.069	1.127	1.009	1.048	.892	.985
1933	.807	.869	.910	.876	.912	1.065	1.130	1.110	1.017	1.060	1.086	.944	.982
1934	1.007	1.037	1.014	1.006	1.038	.999	1.102	1.138	1.041	1.080	.980	.985	1.036
1935	.962	1.023	.829	.896	.966	1.004	1.127	1.096	1.095	1.037	.987	.973	1.000
1936	.837	.737	.839	.982	1.024	1.045	1.110	1.125	1.059	1.070	1.128	.902	.988
1937	.757	.837	.926	.880	.995	1.047	1.117	1.116	1.110	1.046	.988	.948	.981
1938	.933	.963	.811	.937	.942	1.050	1.131	1.108	1.147	1.068	.941	.942	.998
1939	.862	.811	.939	.968	.972	.982	1.106	1.112	1.097	1.020	1.142	.986	1.000
1940	.953	.886	.889	.925	1.041	1.045	1.130	1.128	1.111	1.057	1.003	.945	1.009
Mean	.897	.901	.901	.940	.991	1.030	1.113	1.116	1.084	1.050	1.025	.944	.999

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 84 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.) corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	30.4	31.8	29.5	40.8	48.9	66.1	70.4	66.9	61.6	46.9	32.3	32.1	46.5
1932	21.0	31.8	25.5	43.0	52.5	60.8	70.4	67.7	58.0	42.4	38.4	18.3	44.2
1933	28.9	21.2	35.1	37.8	48.6	67.1	70.6	65.3	60.6	50.5	39.7	38.5	47.0
1934	33.6	31.2	37.5	44.5	59.5	64.1	73.1	68.1	53.2	51.1	38.8	30.5	48.8
1935	32.9	32.4	34.8	38.0	44.9	60.3	70.2	68.1	57.6	44.2	32.5	28.9	45.4
1936	25.0	19.8	32.9	43.0	56.1	65.7	72.8	68.8	58.1	43.9	34.9	30.0	45.9
1937	12.3	26.1	30.1	41.0	53.1	60.1	69.8	71.4	60.2	48.2	33.5	26.1	44.3
1938	27.0	29.8	36.3	42.5	50.2	62.3	68.4	68.9	59.8	49.2	30.9	26.9	46.0
1939	27.8	18.8	34.1	42.6	54.7	61.7	72.2	66.5	60.0	48.3	37.4	34.5	46.6
1940	18.4	28.6	37.7	42.0	54.2	65.3	70.5	67.5	59.9	49.7	31.7	30.9	46.4
Mean	25.7	27.1	33.3	41.5	52.3	63.3	70.8	67.9	58.9	47.4	35.0	29.7	46.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 75 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.16	0.74	1.16	1.72	1.57	1.60	0.75	2.70	0.75	1.07	0.40	0.17	12.79
1932	0.31	0.61	1.40	1.67	1.47	1.64	0.97	0.63	1.13	0.41	0.20	0.82	11.26
1933	0.24	0.30	0.88	4.79	3.44	1.03	1.31	2.02	2.06	T	0.27	0.54	16.88
1934	0.29	1.32	0.86	1.54	1.66	0.87	2.52	1.41	0.72	T	0.10	0.15	11.44
1935	0.18	0.69	0.32	2.95	5.89	2.75	1.94	0.60	1.72	0.26	0.32	0.07	17.69
1936	0.30	0.59	1.17	1.26	2.90	2.64	1.76	1.10	1.14	0.68	0.24	0.41	14.19
1937	0.47	0.27	2.09	1.59	1.19	1.28	1.97	1.34	0.49	1.23	0.90	1.68	14.50
1938	0.37	0.28	1.83	2.11	2.31	2.02	1.32	2.26	3.33	0.54	0.63	0.97	17.47
1939	0.71	0.75	1.73	1.82	1.69	0.83	0.70	0.43	0.49	0.37	0.06	0.26	9.84
1940	1.54	0.56	1.21	1.36	1.29	0.87	2.87	0.82	3.75	0.24	0.73	0.28	15.02
Mean	0.46	0.61	1.21	2.08	2.34	1.50	1.61	1.33	1.56	0.48	0.39	0.54	14.11

## CHICAGO, UNITED STATES

Lat. 41°47' N. Long. 87°35' W. H<sub>b</sub> = 823 ft.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.128	1.184	1.095	1.163	1.039	1.105	1.069	1.113	1.130	1.154	1.186	1.200	1.130
1932	1.155	1.101	1.050	1.114	1.143	1.037	1.066	1.115	1.221	1.081	1.258	1.188	1.127
1933	1.046	1.131	1.114	1.010	1.023	1.098	1.148	1.150	1.047	1.191	1.112	1.188	1.104
1934	1.179	1.313	1.228	1.058	1.130	1.022	1.088	1.139	1.121	1.178	1.131	1.189	1.143
1935	1.249	1.164	1.088	1.096	1.168	1.020	1.122	1.119	1.156	1.257	1.205	1.203	1.153
1936	1.113	1.155	.980	1.148	1.175	1.075	1.078	1.111	1.149	1.157	1.211	1.244	1.132
1937	1.223	1.070	1.190	1.021	1.115	1.079	1.104	1.174	1.194	1.133	1.167	1.206	1.139
1938	1.087	1.266	1.027	1.120	1.033	1.118	1.089	1.142	1.133	1.209	1.132	1.130	1.123
1939	1.064	1.126	1.146	1.053	1.086	1.053	1.105	1.098	1.140	1.120	1.355	1.033	1.114
1940	1.171	1.130	1.093	1.095	1.008	1.032	1.095	1.152	1.227	1.176	1.203	1.184	1.139
Mean	1.142	1.164	1.101	1.088	1.092	1.064	1.107	1.131	1.151	1.166	1.196	1.177	1.131

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 7 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	32.2	35.7	34.6	49.0	55.5	71.1	76.1	73.2	71.1	58.8	50.0	38.6	53.8
1932	33.8	35.1	29.9	46.2	59.5	70.2	74.3	73.7	64.3	52.6	37.2	29.0	50.5
1933	36.9	26.3	35.2	46.6	59.9	75.8	75.3	71.4	69.7	52.8	38.0	31.5	51.6
1934	32.5	23.0	32.7	48.4	65.1	71.2	76.3	72.4	64.1	56.0	45.8	26.4	51.2
1935	25.8	29.7	41.1	43.8	51.9	64.7	76.5	73.4	65.7	54.2	39.6	25.4	49.3
1936	19.2	15.3	39.4	43.4	64.3	64.2	76.5	75.0	68.1	53.6	38.0	34.2	49.3
1937	27.1	26.5	32.6	46.3	57.8	65.5	74.1	75.7	65.0	51.2	37.4	26.8	48.8
1938	25.6	34.7	44.8	50.0	58.2	67.2	73.5	75.0	64.9	58.8	43.6	29.4	52.1
1939	31.8	27.7	38.0	45.0	61.3	70.4	73.7	72.6	69.9	56.0	41.6	35.2	51.9
1940	16.4	29.3	32.0	44.4	54.0	67.0	73.9	72.0	64.5	57.4	38.6	33.7	48.6
Mean	28.1	28.3	36.0	46.3	58.8	68.8	75.0	73.4	66.7	55.1	41.0	31.0	50.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.57	0.76	3.33	1.75	5.08	4.78	2.68	5.67	5.14	2.62	4.63	2.28	39.29
1932	2.20	1.21	3.10	0.58	2.89	4.79	4.67	3.03	1.12	3.52	2.24	2.46	31.86
1933	2.32	1.22	4.05	2.61	5.02	3.44	2.70	1.14	3.78	3.64	0.68	1.39	32.00
1934	0.84	0.52	1.21	1.32	0.67	2.24	0.42	3.41	4.03	2.32	3.87	1.93	22.73
1935	2.34	1.59	3.48	1.77	7.09	5.03	3.05	3.56	3.28	1.68	3.62	1.24	37.73
1936	1.64	1.33	1.00	2.54	2.08	1.03	0.22	4.29	8.97	3.00	0.90	2.58	29.53
1937	2.29	0.63	1.20	4.61	1.64	5.02	1.41	2.68	1.89	3.09	1.25	1.27	26.98
1938	2.02	2.11	3.51	2.20	3.98	6.78	3.90	2.12	5.29	0.77	0.95	1.18	34.81
1939	2.22	1.98	2.96	3.22	3.66	5.13	2.74	1.47	0.49	1.79	0.95	0.90	27.51
1940	1.25	0.89	2.41	3.17	5.16	1.31	1.29	3.95	0.31	3.26	2.36	1.38	26.74
Mean	1.77	1.22	2.62	2.38	3.73	3.95	2.31	3.14	3.43	2.57	2.14	1.66	30.93

\* See NOTES, p. 43.

CINCINNATI, UNITED STATES

Lat. 39°9' N. Long. 84°31' W. H<sub>b</sub> = 627 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(S^h + 20^h)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.409	.409	.285	.376	.273	.347	.291	.378	.385	.428	.495	.461	.378
1932	.449	.363	.279	.311	.386	.262	.293	.346	.415	.338	.513	.484	.370
1933	.367	.416	.342	.244	.273	.331	.354	.336	.293	.442	.383	.446	.352
1934	.465	.584	.460	.305	.351	.253	.303	.356	.371	.423	.426	.451	.392
1935	.510	.398	.345	.268	.353	.282	.340	.339	.387	.510	.451	.447	.386
1936	.369	.411	.220	.372	.409	.256	.277	.340	.373	.421	.465	.523	.370
1937	.487	.358	.386	.262	.333	.290	.339	.386	.413	.370	.445	.475	.379
1938	.363	.512	.305	.356	.275	.346	.313	.378	.351	.458	.443	.407	.376
1939	.346	.400	.391	.298	.321	.309	.314	.310	.352	.391	.585	.305	.360
1940	.452	.339	.312	.294	.240	.286	.413	.358	.421	.417	.480	.426	.370
Mean	.422	.414	.332	.309	.321	.296	.324	.353	.376	.420	.469	.442	.373

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 11 ft.

Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	35.3	38.7	38.0	53.8	60.8	73.9	79.3	74.5	72.7	59.6	53.7	42.7	56.9
1932	41.4	42.5	36.2	53.0	64.4	73.4	77.2	74.5	67.7	56.0	41.2	34.4	55.2
1933	40.6	34.1	41.7	53.3	66.4	77.6	76.6	74.7	73.0	55.0	42.4	38.8	56.2
1934	36.0	25.1	39.4	53.9	66.9	78.1	82.3	76.3	69.8	58.0	48.4	33.6	55.7
1935	33.4	35.1	49.4	50.9	60.0	69.2	78.9	75.6	67.1	57.4	44.1	27.4	54.0
1936	25.2	26.7	46.8	49.6	67.0	74.2	81.8	80.2	71.4	56.8	40.1	37.9	54.8
1937	38.6	33.3	38.3	53.1	63.4	72.7	75.4	76.9	65.4	53.9	41.6	32.2	53.7
1938	32.4	40.4	49.1	56.8	63.8	70.7	76.3	76.3	68.6	58.2	47.3	36.6	56.4
1939	37.7	35.3	45.2	51.1	66.7	74.0	75.1	74.7	73.5	59.2	42.8	37.6	56.1
1940	19.0	32.8	40.1	50.5	60.6	73.0	76.3	76.3	65.8	60.1	43.9	40.0	53.2
Mean	34.0	34.4	42.4	52.6	64.0	73.7	77.9	76.0	69.5	57.4	44.6	36.1	55.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.97	1.88	1.97	3.93	4.47	3.30	5.22	4.24	4.71	1.89	3.01	3.35	38.94
1932	4.73	1.79	3.22	1.80	0.94	5.48	6.04	4.18	4.88	3.28	2.01	4.01	42.36
1933	3.18	1.99	8.00	4.46	8.81	3.30	1.50	2.79	4.72	1.40	1.28	2.95	44.33
1934	1.61	0.96	2.83	1.16	0.93	3.83	2.44	1.72	3.58	0.35	1.72	1.58	22.76
1935	2.86	1.08	6.03	2.26	4.87	3.98	1.48	4.56	2.12	1.95	2.49	1.92	35.60
1936	1.28	2.04	2.55	3.11	1.04	0.80	0.84	4.32	3.71	4.45	3.95	2.60	30.69
1937	13.08	1.33	1.06	2.93	2.93	3.66	3.94	3.30	2.08	3.03	1.64	3.65	43.23
1938	1.68	2.25	6.54	2.07	6.57	2.29	6.98	4.02	3.80	0.31	4.03	1.41	41.95
1939	3.77	4.27	6.93	7.35	2.41	6.29	2.76	2.16	0.71	2.18	0.85	1.41	41.09
1940	1.27	3.71	3.32	7.31	3.97	3.87	0.33	2.40	1.23	0.92	4.02	2.38	34.73
Mean	3.50	2.13	4.24	3.64	3.70	3.63	3.15	3.37	3.15	1.98	2.50	2.53	37.57

## CORPUS CHRISTI, UNITED STATES

Lat. 27°49' N. Long. 97°25' W. H<sub>b</sub> = 20 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.126	1.010	1.005	1.013	.934	.949	.900	1.004	.953	.993	1.025	1.038	.996
1932	1.042	.979	.998	.919	.934	.863	.938	.882	.924	.977	1.149	1.090	.975
1933	1.026	1.074	.960	.847	.832	.961	.909	.919	.871	.979	1.111	1.059	.962
1934	1.098	1.116	1.077	.945	.916	.880	.948	.972	.953	1.009	1.003	1.122	1.003
1935	1.100	1.097	.936	.851	.838	.873	.934	.901	.905	1.007	1.059	1.104	.967
1936	1.018	.990	.884	.994	.898	.852	.920	.926	.893	1.010	1.167	1.077	.969
1937	.971	1.027	.992	.885	.912	.889	.953	.925	.939	.954	1.057	1.068	.964
1938	1.072	1.110	.884	.943	.869	.939	.926	.963	.957	1.009	1.081	1.078	.985
1939	1.036	.968	1.004	.927	.858	.877	.924	.916	.934	.999	1.176	1.052	.973
1940	1.180	.977	.930	.878	.909	.875	.969	.891	.944	1.009	1.075	.999	.970
Mean	1.067	1.035	.967	.920	.889	.896	.932	.930	.927	.995	1.090	1.069	.976

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 11 ft.Means of  $\frac{1}{2}(\text{daily Max.} + \text{daily Min.})$ , corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	57.0	61.5	61.0	66.1	73.3	80.7	83.2	82.2	82.9	78.9	70.4	59.0	71.4
1932	60.4	66.1	60.1	70.8	76.7	81.6	83.7	84.2	79.8	72.1	60.9	54.2	70.9
1933	62.4	56.5	67.3	72.7	79.1	80.3	83.0	82.9	82.2	76.7	67.5	67.3	73.2
1934	60.4	59.1	62.0	72.0	76.5	82.3	82.4	83.6	80.0	77.3	70.5	60.2	72.2
1935	61.5	58.5	68.8	73.1	76.9	81.5	83.8	84.4	79.2	76.3	66.2	57.0	72.3
1936	54.4	52.7	67.7	68.4	75.9	82.6	83.0	83.4	80.6	70.4	61.3	60.0	70.0
1937	57.2	59.9	61.9	70.4	76.6	82.8	82.6	84.4	82.2	75.4	63.4	57.6	71.2
1938	59.2	63.7	71.8	70.4	77.3	82.3	83.9	84.4	80.4	75.5	63.3	60.2	72.7
1939	60.2	59.7	67.0	71.7	78.6	81.6	83.8	83.6	80.8	75.2	63.1	61.8	72.3
1940	48.4	59.2	65.0	70.1	75.7	80.9	83.7	85.0	80.2	75.3	64.7	60.9	70.8
Mean	58.1	59.7	65.3	70.6	76.7	81.7	83.3	83.8	80.8	75.3	65.1	59.8	71.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 63 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.29	1.74	2.45	1.20	2.72	8.36	11.92	1.54	0.83	0.34	1.70	1.77	36.86
1932	1.13	1.87	1.50	2.42	1.65	1.78	0.32	1.83	7.53	0.66	0.90	1.08	22.67
1933	0.70	1.89	0.47	0.44	3.69	2.72	2.54	2.27	4.71	1.99	1.33	0.31	23.06
1934	4.78	1.38	1.67	3.74	1.24	0.34	5.46	0.15	6.36	1.04	4.11	0.70	30.97
1935	1.87	0.86	2.06	1.10	4.97	1.56	1.37	0.43	12.45	5.76	0.81	5.69	38.99
1936	0.61	0.34	3.29	1.92	5.27	3.05	2.17	3.23	3.93	0.95	0.47	1.05	26.28
1937	0.42	0.58	2.05	0.43	1.19	0.82	2.07	1.66	0.57	2.04	4.09	8.13	24.05
1938	1.39	1.74	0.48	1.81	1.20	0.66	0.12	4.51	1.44	0.20	1.55	6.44	21.54
1939	1.78	0.14	0.86	1.53	2.22	5.19	0.75	1.36	2.65	1.14	0.06	2.06	19.74
1940	0.76	1.10	1.57	0.05	4.17	2.84	4.02	0.66	3.14	3.49	1.23	2.12	25.15
Mean	1.57	1.16	1.64	1.47	2.83	2.73	3.07	1.76	4.36	1.76	1.63	2.94	26.93

## DENVER, UNITED STATES

Lat. 39°45' N. Long. 105°0' W. H<sub>0</sub> = 5,292 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h+18^h)$ , 105th meridian W.  
24 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.741	.686	.708	.733	.735	.741	.774	.849	.733	.773	.689	.662	.735
1932	.619	.627	.644	.631	.700	.706	.776	.759	.832	.735	.787	.650	.706
1933	.549	.626	.632	.593	.618	.755	.818	.800	.707	.775	.821	.679	.698
1934	.751	.776	.750	.726	.739	.685	.791	.832	.750	.793	.710	.731	.753
1935	.701	.758	.557	.613	.685	.703	.816	.789	.802	.770	.737	.731	.722
1936	.605	.516	.580	.711	.739	.749	.812	.831	.769	.803	.881	.658	.721
1937	.531	.598	.672	.611	.715	.755	.818	.817	.819	.780	.740	.714	.714
1938	.697	.716	.547	.663	.666	.759	.836	.811	.859	.793	.701	.706	.730
1939	.626	.578	.684	.699	.683	.689	.803	.814	.805	.750	.891	.743	.730
1940	.733	.643	.635	.659	.769	.756	.836	.834	.823	.787	.760	.701	.745
Mean	.655	.652	.641	.664	.705	.730	.808	.814	.790	.776	.772	.697	.725

TEMPERATURE IN DEGREES F. h<sub>1</sub> = 106 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	35.3	38.3	36.2	47.5	55.2	71.8	76.2	72.2	67.9	53.5	37.0	35.2	52.2
1932	27.3	39.3	32.9	51.2	59.7	67.1	75.8	73.8	63.3	48.1	43.4	23.0	50.4
1933	35.5	28.7	42.6	45.2	55.4	73.3	75.4	70.6	67.4	56.9	45.6	43.2	53.3
1934	39.5	36.1	43.4	51.4	64.8	70.5	78.0	74.4	60.4	57.3	43.8	35.4	54.6
1935	38.9	37.5	43.2	45.5	50.4	67.2	75.0	73.6	63.0	51.8	38.2	34.2	51.5
1936	31.7	26.3	40.8	50.5	61.5	71.6	77.5	73.6	63.5	49.3	41.2	35.9	52.0
1937	17.7	32.9	36.9	47.3	59.2	65.2	75.0	76.8	65.8	53.3	40.0	33.2	50.3
1938	34.4	36.7	42.2	49.1	56.2	68.3	72.6	74.6	65.1	55.4	36.5	33.3	52.0
1939	32.9	25.3	39.9	49.4	61.7	69.3	77.3	71.8	66.7	54.2	43.2	40.2	52.7
1940	23.8	35.1	42.4	48.3	59.6	70.9	74.8	71.8	64.9	55.3	37.2	35.0	51.6
Mean	31.7	33.6	40.2	48.4	58.4	69.5	75.8	73.3	64.8	53.5	40.6	34.9	52.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 98 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.02	1.11	1.00	2.23	3.45	0.62	0.90	2.36	0.22	0.63	0.59	0.03	13.16
1932	0.53	0.58	0.83	1.39	1.55	1.01	0.85	1.20	0.11	0.99	0.59	0.49	10.12
1933	0.01	0.23	1.32	4.09	2.34	0.16	0.90	0.84	1.17	0.01	0.18	0.82	12.07
1934	0.01	2.01	1.00	1.10	1.58	0.22	0.32	0.91	0.50	T	0.61	0.67	8.93
1935	0.03	0.90	0.23	4.07	4.95	0.60	1.32	1.30	1.60	1.36	0.66	0.21	17.23
1936	0.40	0.31	1.95	0.72	1.28	1.36	1.70	3.22	2.89	2.04	0.30	0.37	16.54
1937	0.29	0.58	0.69	1.43	1.46	2.39	0.95	0.63	0.56	0.55	0.51	0.84	10.88
1938	0.77	0.43	2.12	2.66	4.88	1.65	0.56	0.96	3.42	0.12	1.27	0.62	19.46
1939	0.74	1.28	1.01	0.80	1.03	0.57	0.68	0.43	0.48	0.89	0.01	0.26	7.58
1940	0.78	0.66	2.29	1.53	1.55	0.22	0.62	0.38	2.47	0.48	0.74	0.31	12.03
Mean	0.36	0.81	1.24	2.00	2.41	0.88	0.82	1.22	1.34	0.71	0.55	0.46	12.80

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.3	16.9	18.2	16.4	14.9	11.6	12.1	15.9	11.8	16.5	17.2	17.1	15.7
1932	17.1	14.2	16.5	11.3	12.2	10.9	12.2	11.8	16.6	16.4	19.7	19.5	14.9
1933	11.9	16.9	13.3	11.3	9.9	11.8	13.9	14.0	10.6	15.8	20.4	14.9	13.7
1934	19.1	21.1	17.9	15.2	12.7	9.2	12.4	14.9	14.1	16.4	16.2	19.4	15.7
1935	17.2	19.9	10.0	11.7	15.7	10.8	13.9	13.2	15.6	16.9	19.2	19.9	15.2
1936	14.9	13.1	11.6	14.9	13.5	12.0	12.8	14.8	14.1	19.0	24.3	16.5	15.1
1937	15.8	14.3	16.4	11.1	12.8	13.2	14.1	13.7	15.7	16.6	18.5	19.8	15.2
1938	18.3	18.5	9.6	13.2	11.5	13.1	15.2	13.7	17.6	16.8	18.0	18.8	15.3
1939	15.6	15.9	16.3	14.3	10.9	9.9	11.8	13.5	14.0	14.9	23.6	18.3	14.9
1940	22.3	15.4	12.9	12.3	14.4	11.5	14.0	14.5	15.4	16.2	19.6	17.8	15.5
Mean	17.2	16.1	14.3	13.2	12.7	11.4	13.2	14.0	14.6	16.5	19.7	18.2	15.1

## DETROIT, UNITED STATES

Lat. 42°20' N. Long. 83°3' W.  $h_b = 730$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(S^h + 20^h)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.216	.272	.172	.249	.146	.234	.164	.261	.240	.272	.319	.309	.238
1932	.269	.188	.108	.209	.258	.148	.142	.222	.315	.180	.377	.297	.226
1933	.175	.200	.196	.135	.157	.192	.256	.247	.163	.302	.177	.299	.208
1934	.263	.403	.324	.148	.226	.111	.185	.241	.236	.272	.249	.383	.253
1935	.340	.238	.203	.180	.262	.180	.205	.222	.252	.366	.303	.264	.247
1936	.175	.244	.074	.220	.266	.157	.175	.217	.270	.263	.262	.361	.224
1937	.343	.162	.228	.146	.203	.161	.190	.277	.291	.217	.233	.294	.229
1938	.175	.365	.132	.212	.139	.213	.175	.228	.226	.316	.263	.223	.222
1939	.172	.219	.256	.136	.184	.169	.195	.191	.241	.223	.423	.092	.208
1940	.236	.231	.186	.207	.110	.127	.302	.295	.310	.306	.294	.287	.241
Mean	.236	.252	.188	.184	.195	.164	.199	.240	.254	.272	.290	.281	.230

TEMPERATURE IN DEGREES F.  $h_t = 218$  ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	28.5	32.9	33.8	48.4	58.1	69.5	77.5	73.0	69.6	57.3	47.8	37.3	53.6
1932	36.8	33.1	29.6	44.1	59.3	70.2	72.9	73.5	64.6	52.7	37.2	29.6	50.3
1933	34.8	27.5	33.8	47.1	59.9	74.5	75.3	71.8	68.3	52.0	36.0	29.9	50.9
1934	30.1	14.9	29.0	43.9	61.3	73.1	75.5	69.0	66.2	52.2	43.6	26.1	48.7
1935	24.9	24.5	39.0	44.2	52.3	64.5	76.1	71.4	61.7	51.2	39.9	25.1	47.9
1936	21.7	16.1	37.4	42.1	62.5	65.7	74.6	72.9	66.0	51.0	35.4	32.3	48.1
1937	29.8	28.3	30.8	44.6	57.6	67.0	72.7	73.8	61.6	48.6	38.4	26.5	48.3
1938	24.4	31.3	41.4	48.0	58.1	67.5	73.9	74.6	61.6	54.8	42.6	30.3	50.7
1939	27.9	27.0	33.3	44.0	61.1	70.1	73.3	72.8	65.7	52.7	38.9	33.5	50.0
1940	19.1	26.8	28.4	42.6	55.4	67.5	73.3	70.2	62.6	52.0	38.0	32.1	47.3
Mean	27.8	26.2	33.6	44.9	58.6	69.0	75.5	72.3	64.8	52.4	39.8	30.3	49.6

TOTAL PRECIPITATION IN INCHES.  $h_r = 214$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.68	1.40	2.67	1.87	2.32	2.27	1.81	0.84	2.97	2.43	3.56	2.66	26.48
1932	5.02	1.81	2.15	2.08	5.42	1.35	3.11	4.02	4.05	3.78	1.72	3.57	38.08
1933	1.18	1.49	2.25	2.61	3.29	1.19	2.47	2.24	1.94	1.45	1.68	1.38	23.17
1934	1.65	0.47	2.89	2.79	0.58	1.39	1.64	1.84	2.90	1.33	1.67	2.43	21.58
1935	2.33	1.75	1.85	2.39	3.61	4.00	3.57	3.10	1.37	1.24	3.43	1.66	30.30
1936	1.48	2.62	1.28	3.61	0.97	3.87	0.81	1.07	5.90	2.33	1.10	2.04	27.08
1937	3.64	1.64	0.59	5.03	3.07	4.14	7.03	2.51	1.80	2.35	0.97	1.70	34.47
1938	0.87	4.95	4.40	1.86	4.42	2.28	4.26	2.48	1.51	0.94	1.22	1.54	30.73
1939	2.54	4.70	2.38	4.04	0.97	4.70	2.54	1.39	2.70	1.66	0.57	1.02	29.21
1940	1.41	1.29	2.07	2.61	3.59	3.27	1.17	7.51	1.73	2.55	2.75	2.98	32.93
Mean	2.18	2.21	2.25	2.89	2.82	2.85	2.84	2.70	2.69	2.00	1.87	2.10	29.40

## DULUTH, UNITED STATES

Lat. 46°47' N. Long. 92°6' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 3$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.29	0.69	1.87	1.04	4.51	4.57	2.73	4.32	3.63	2.90	3.89	0.32	30.76
1932	1.31	0.48	0.86	3.09	3.00	1.72	1.84	4.18	0.68	1.66	3.10	0.71	22.63
1933	0.74	0.90	0.79	2.15	2.15	2.90	4.09	0.99	5.14	3.43	0.88	1.34	25.50
1934	1.03	0.44	0.96	1.36	1.10	3.26	1.53	2.19	3.10	4.17	1.90	1.94	22.98
1935	2.61	0.45	2.04	1.45	1.85	3.57	4.96	5.65	1.96	2.65	1.00	1.11	29.30
1936	1.53	1.57	2.36	2.65	2.76	0.93	0.63	1.93	1.48	1.28	1.58	2.29	20.99
1937	1.99	1.79	0.40	3.17	3.92	3.51	2.73	3.87	4.30	1.50	1.20	0.89	29.36
1938	1.55	0.63	2.91	4.48	5.60	3.21	2.23	1.56	2.85	0.64	2.25	1.10	29.01
1939	1.75	3.20	1.42	1.28	1.93	4.34	2.03	5.66	0.72	2.09	0.16	0.22	24.80
1940	0.27	1.07	1.58	2.56	3.52	1.84	3.05	2.14	3.47	2.19	3.40	0.51	25.60
Mean	1.31	1.12	1.52	2.32	3.03	2.99	2.58	3.25	2.73	2.25	1.95	1.04	26.09

## EASTPORT, UNITED STATES

Lat. 44°54' N. Long. 66°59' W. H<sub>b</sub> = 76 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(S^h + 20^h)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.771	.851	.819	.874	.865	.847	.839	.934	.869	.861	1.015	.863	.867
1932	.985	.850	.537	.764	.902	.757	.689	.886	.947	.930	1.097	.998	.862
1933	.844	.767	.767	.924	.845	.802	.936	.941	.816	.992	.811	.939	.865
1934	.953	.917	1.053	.942	.880	.810	.854	.938	1.085	.863	1.023	.849	.931
1935	.981	.861	.866	.782	.800	.875	.902	.906	.917	1.072	1.062	.781	.900
1936	.756	.880	.887	.858	.867	.814	.766	.916	.999	.962	.850	1.137	.891
1937	1.142	.813	.685	.937	.875	.837	.866	.970	.941	.938	.898	.949	.904
1938	.957	1.059	.889	.923	.833	.882	.883	.860	.937	.990	.999	.907	.927
1939	.814	.971	.929	.822	.870	.881	.861	.923	.908	.880	.957	.641	.871
1940	.780	.771	.741	.853	.902	.770	.921	1.023	.889	.916	.925	.973	.872
Mean	.898	.874	.817	.868	.864	.827	.852	.930	.931	.940	.964	.904	.889

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 67 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.2	24.6	33.8	41.1	48.0	56.1	60.2	61.4	55.4	49.9	42.9	27.9	43.6
1932	30.6	20.2	28.2	38.9	47.7	54.3	58.8	60.9	56.9	49.2	37.1	31.2	42.8
1933	29.8	28.8	29.2	38.9	47.7	54.9	59.2	60.8	55.5	47.6	31.5	18.0	41.8
1934	19.8	13.6	29.0	39.7	49.3	53.9	60.0	58.8	57.8	45.7	40.3	21.3	40.7
1935	17.0	20.6	29.2	38.0	46.7	53.9	60.9	63.0	54.4	47.5	40.6	22.2	41.2
1936	22.5	19.6	36.8	37.9	46.9	54.8	59.0	59.2	54.2	47.2	34.5	29.0	41.8
1937	28.8	28.0	28.6	40.0	50.3	56.1	62.3	63.5	56.4	47.8	38.7	25.8	43.9
1938	23.2	21.7	29.1	39.7	46.5	55.9	58.6	62.5	55.4	49.8	40.1	30.0	42.7
1939	21.2	24.0	26.0	36.9	47.3	54.5	60.0	62.8	55.7	47.5	35.2	27.6	41.6
1940	18.2	24.4	28.9	36.3	47.1	52.9	59.9	60.0	54.6	44.1	37.5	27.2	40.9
Mean	23.3	22.6	29.9	38.7	47.8	54.7	59.9	61.3	55.6	47.6	37.8	26.0	42.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 62 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.90	2.25	2.80	2.31	2.57	3.56	4.82	4.11	3.61	4.72	0.94	2.37	36.96
1932	4.16	2.46	2.67	2.49	2.53	1.56	3.64	2.69	2.08	3.61	1.65	2.21	31.75
1933	2.51	2.72	1.46	3.29	3.74	3.17	1.30	4.45	5.04	6.02	3.32	2.73	39.75
1934	2.94	2.34	2.32	2.61	1.51	3.33	3.50	2.64	3.65	2.64	3.52	2.79	33.79
1935	7.32	2.27	1.48	1.87	1.05	2.12	2.38	2.13	2.98	1.04	4.82	1.07	30.53
1936	3.24	1.73	4.48	2.64	2.67	4.07	1.08	2.38	3.13	3.32	2.20	5.62	38.56
1937	3.05	0.64	1.37	1.75	2.20	3.23	0.75	1.22	4.41	2.78	2.37	1.51	25.28
1938	2.07	1.99	1.55	2.49	2.12	3.77	4.70	2.27	5.44	2.08	2.77	2.53	33.78
1939	1.57	3.17	3.65	3.95	1.40	2.19	4.01	0.99	1.53	3.96	2.53	3.71	32.66
1940	0.56	1.77	2.70	2.35	1.20	2.20	1.67	2.34	6.85	0.97	4.37	3.28	30.26
Mean	3.03	2.13	2.45	2.58	2.10	2.92	2.79	2.52	3.87	3.11	2.85	2.78	33.13



EL PASO, UNITED STATES

Lat. 31°47' N. Long. 106°30' W. H<sub>b</sub> = 3,778 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(6^h+18^h)$ , 105th meridian W.  
26 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.259	.153	.167	.159	.130	.142	.133	.222	.156	.202	.174	.225	.177
1932	.187	.181	.147	.108	.117	.065	.153	.139	.205	.198	.298	.201	.167
1933	.194	.194	.139	.081	.072	.161	.158	.162	.121	.223	.298	.281	.174
1934	.269	.243	.230	.137	.136	.079	.171	.178	.157	.237	.216	.283	.195
1935	.263	.270	.126	.092	.082	.101	.177	.161	.193	.224	.234	.247	.181
1936	.185	.123	.106	.165	.134	.132	.169	.193	.157	.232	.344	.237	.181
1937	.129	.200	.146	.097	.095	.115	.165	.178	.209	.214	.197	.245	.166
1938	.247	.229	.114	.132	.084	.129	.196	.200	.229	.217	.250	.251	.190
1939	.194	.131	.178	.149	.088	.100	.177	.171	.188	.224	.321	.244	.180
1940	.233	.152	.102	.102	.128	.121	.198	.187	.194	.216	.238	.205	.173
Mean	.216	.188	.145	.122	.107	.114	.170	.179	.181	.219	.257	.242	.178

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 152 ft.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	43.5	49.7	54.4	62.5	72.3	81.8	82.9	79.2	79.0	69.7	53.5	43.3	64.3
1932	42.3	52.9	52.0	65.0	73.2	81.0	82.7	80.5	73.7	62.3	52.7	42.7	63.4
1933	43.2	46.3	58.7	60.4	70.6	80.0	83.7	81.7	79.6	68.3	54.9	49.6	64.8
1934	44.9	53.5	57.8	67.9	76.8	83.1	84.5	83.5	77.6	69.1	54.9	48.0	66.3
1935	48.3	48.3	58.4	65.2	68.4	81.2	83.7	81.3	73.2	66.8	52.9	46.0	64.5
1936	45.0	50.9	57.8	65.7	74.2	82.4	82.3	80.5	73.5	63.1	50.1	46.3	64.3
1937	41.9	49.0	52.6	64.3	74.4	82.4	84.1	84.0	76.7	66.5	54.7	46.9	64.8
1938	46.7	53.5	57.2	63.7	73.1	81.2	80.3	80.7	73.6	68.3	49.3	47.9	64.6
1939	45.3	43.3	58.0	65.5	75.0	83.6	82.8	80.4	77.0	64.1	51.0	48.9	64.6
1940	42.1	50.1	58.2	63.5	73.8	79.2	83.1	79.3	77.0	65.7	50.3	49.9	64.3
Mean	44.3	49.8	56.5	64.4	73.2	81.6	83.0	81.1	76.1	66.4	52.4	46.9	64.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 145 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.83	0.89	0.38	2.24	0.06	1.34	0.73	2.14	1.10	0.14	0.64	0.80	10.79
1932	0.17	0.68	0.03	T	1.46	0.15	2.28	2.14	2.85	0.58	0.00	0.65	10.94
1933	0.19	0.23	T	0.09	0.04	2.14	1.34	0.27	0.99	0.60	0.04	0.00	5.93
1934	0.01	0.12	0.24	0.05	0.37	0.01	0.19	0.60	0.17	0.44	0.21	0.32	2.73
1935	0.24	0.47	0.14	0.02	0.17	0.09	0.16	1.72	1.24	0.14	0.92	0.34	5.65
1936	0.57	0.06	T	0.11	0.56	0.34	0.68	1.94	3.52	0.32	1.32	0.51	9.93
1937	0.12	0.32	0.48	T	0.19	1.05	0.39	0.36	0.48	1.71	0.22	0.91	6.23
1938	1.22	0.17	0.49	T	0.02	2.82	0.60	0.20	2.31	0.19	T	0.28	8.30
1939	0.65	0.08	0.44	0.45	0.01	T	0.60	0.91	0.90	0.93	0.75	0.19	5.91
1940	0.54	0.41	0.02	0.02	0.43	1.87	1.06	0.78	0.25	0.82	1.25	0.31	7.76
Mean	0.45	0.34	0.22	0.30	0.33	0.98	0.80	1.11	1.38	0.58	0.54	0.38	7.42

## GALVESTON, UNITED STATES

Lat. 29°18' N. Long. 94°50' W.  $H_b = 54$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.129	1.016	.997	1.024	.941	.964	.900	1.001	.960	1.000	1.042	1.023	1.000
1932	1.051	.955	.939	.890	.887	.828	.888	.844	.892	.941	1.108	1.053	.940
1933	1.011	1.049	.953	.823	.820	.940	.880	.889	.854	.949	1.078	1.033	.940
1934	1.067	1.085	1.044	.941	.884	.857	.930	.942	.926	.976	1.001	1.107	.980
1935	1.091	1.076	.957	.860	.861	.884	.922	.892	.893	1.004	1.060	1.095	.966
1936	.995	.983	.878	.994	.898	.852	.922	.920	.894	.991	1.142	1.071	.962
1937	.969	1.015	.993	.894	.920	.895	.952	.920	.930	.942	1.048	1.071	.962
1938	1.053	1.117	.903	.950	.880	.948	.924	.961	.940	.990	1.072	1.065	.984
1939	1.025	.966	1.013	.929	.863	.884	.916	.900	.916	.988	1.145	1.018	.964
1940	1.149	.955	.922	.879	.902	.868	.961	.874	.923	1.002	1.063	.973	.956
Mean	1.054	1.022	.960	.918	.886	.892	.919	.914	.913	.978	1.076	1.051	.965

TEMPERATURE IN DEGREES F.  $h_t = 106$  ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.0	58.7	55.8	64.1	71.4	80.2	84.1	82.0	82.3	76.5	69.3	57.4	69.7
1932	58.4	64.9	58.0	68.7	75.4	80.9	84.3	84.2	79.9	70.9	58.4	53.4	69.8
1933	60.3	54.9	63.0	70.2	78.6	81.2	82.5	83.4	83.7	75.5	66.5	65.6	72.1
1934	57.6	56.1	60.4	69.2	75.0	82.7	82.2	83.0	79.7	76.4	67.8	57.4	70.6
1935	57.6	56.7	65.8	69.9	75.4	81.6	83.1	84.6	78.7	74.9	62.9	54.6	70.5
1936	52.0	51.1	64.5	66.0	74.6	82.8	82.7	83.8	81.5	70.8	60.0	56.1	68.8
1937	57.2	57.7	58.2	67.0	75.8	82.6	83.9	84.0	80.5	72.4	60.1	54.8	69.5
1938	55.4	59.3	67.6	67.1	75.2	81.7	83.1	83.8	80.1	75.2	61.9	58.0	70.7
1939	57.6	57.1	63.6	68.3	76.2	81.4	83.1	83.3	80.7	73.1	60.7	59.8	70.4
1940	44.4	52.9	60.8	66.1	73.4	80.0	82.9	81.8	77.6	72.9	63.1	59.0	67.9
Mean	55.4	56.9	61.8	67.7	75.1	81.5	83.2	83.4	80.5	73.9	63.1	57.6	70.0

TOTAL PRECIPITATION IN INCHES.  $h_r = 98$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5.58	4.23	2.01	2.26	3.14	1.74	1.02	4.23	0.94	3.40	3.74	7.81	40.10
1932	6.67	4.46	1.10	2.17	1.56	1.82	1.89	4.85	5.47	1.30	2.51	2.82	36.62
1933	3.32	4.34	5.52	0.46	1.43	0.98	8.66	2.06	3.65	4.80	4.76	5.54	45.52
1934	8.42	2.95	7.29	5.67	0.62	0.01	4.55	9.35	3.04	1.56	6.01	3.42	52.89
1935	2.83	5.00	1.00	4.17	0.71	3.89	5.36	3.61	7.40	1.86	1.97	7.22	45.02
1936	2.75	1.42	1.89	1.93	8.90	0.88	4.57	2.52	4.10	1.68	2.74	3.11	36.49
1937	3.34	1.22	3.32	1.07	0.10	1.18	2.02	3.24	6.10	2.95	2.93	4.41	31.88
1938	3.63	1.91	1.82	4.41	5.03	1.29	4.00	6.03	7.13	1.26	3.78	2.71	43.00
1939	3.75	1.38	0.31	0.68	1.97	2.58	13.55	1.99	3.28	2.22	2.50	2.31	36.52
1940	1.69	3.02	1.20	2.43	0.83	2.42	1.53	1.95	6.87	2.97	16.18	8.08	49.07
Mean	4.19	2.99	2.55	2.52	2.43	1.68	4.72	3.98	4.80	2.40	4.71	4.74	41.71

HATTERAS, UNITED STATES

Lat. 35°15' N. Long. 75°40' W. H<sub>b</sub> = 11 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(S^h + 20^h)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.050	1.039	.878	1.031	.956	.987	.944	1.019	1.042	1.084	1.204	1.144	<b>1.032</b>
1932	1.074	1.030	.889	.964	1.034	.935	.912	.997	1.034	1.025	1.122	1.174	<b>1.016</b>
1933	1.040	1.081	1.019	.937	.964	.943	1.009	.946	.916	1.065	1.051	1.150	<b>1.010</b>
1934	1.138	1.137	1.141	.995	.990	.954	.986	1.037	1.032	1.033	1.122	1.101	<b>1.056</b>
1935	1.148	1.061	1.101	.875	1.002	.965	1.020	.987	1.012	1.163	1.046	1.046	<b>1.036</b>
1936	1.037	1.069	.913	1.067	1.052	.933	.932	1.033	1.034	1.073	1.102	1.199	<b>1.037</b>
1937	1.210	1.019	.973	.989	1.004	.945	.992	1.087	1.034	1.039	1.099	1.137	<b>1.044</b>
1938	1.072	1.205	1.053	1.059	.945	1.023	1.048	1.030	.990	1.046	1.154	1.089	<b>1.060</b>
1939	1.068	1.146	1.085	.995	1.008	1.001	.991	.969	1.018	1.039	1.156	.968	<b>1.037</b>
1940	1.052	.964	.971	.975	.912	.977	1.060	1.027	.996	1.060	1.152	1.116	<b>1.022</b>
Mean	<b>1.089</b>	<b>1.075</b>	<b>1.002</b>	<b>.989</b>	<b>.987</b>	<b>.966</b>	<b>.989</b>	<b>1.013</b>	<b>1.011</b>	<b>1.063</b>	<b>1.121</b>	<b>1.112</b>	<b>1.035</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 5 ft.

Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.7	46.6	47.3	57.8	66.7	72.3	78.1	77.6	76.8	66.8	61.2	55.9	<b>62.8</b>
1932	56.0	53.7	49.8	58.6	67.0	76.0	79.6	79.0	74.2	66.8	57.2	53.5	<b>64.3</b>
1933	53.1	50.1	52.3	61.0	72.0	74.7	75.9	79.4	78.8	68.0	54.8	53.0	<b>64.4</b>
1934	49.9	40.0	49.7	58.6	67.1	77.1	80.5	78.6	76.2	65.0	58.7	47.1	<b>62.4</b>
1935	46.5	47.9	57.3	57.6	66.7	75.6	76.6	77.8	73.0	65.2	58.9	42.1	<b>62.1</b>
1936	42.8	40.9	55.7	58.0	67.9	74.5	78.3	79.1	75.5	69.0	55.6	51.5	<b>62.4</b>
1937	59.1	45.5	49.7	59.4	67.2	76.3	78.2	79.1	72.8	63.4	54.6	45.7	<b>62.6</b>
1938	45.3	49.7	55.9	61.9	69.3	74.4	77.5	79.6	75.1	62.9	59.8	49.7	<b>63.4</b>
1939	50.0	53.1	55.6	61.2	66.5	76.4	77.5	79.2	75.8	68.4	53.1	48.2	<b>63.8</b>
1940	36.9	43.3	47.5	56.1	64.8	76.0	77.5	78.3	71.9	62.0	56.6	51.9	<b>60.2</b>
Mean	<b>48.5</b>	<b>47.1</b>	<b>52.1</b>	<b>59.0</b>	<b>67.5</b>	<b>75.3</b>	<b>78.0</b>	<b>78.8</b>	<b>75.0</b>	<b>65.7</b>	<b>57.1</b>	<b>49.9</b>	<b>62.8</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 4 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.86	2.34	5.48	2.71	4.35	3.82	4.82	6.14	1.70	0.64	1.17	5.52	<b>41.55</b>
1932	4.25	2.43	4.88	2.32	4.74	2.23	3.13	3.99	4.76	5.56	11.42	3.15	<b>52.86</b>
1933	1.95	5.72	2.63	4.72	6.52	0.77	13.59	9.41	13.63	0.60	1.84	0.37	<b>61.75</b>
1934	3.90	3.98	5.42	3.10	10.37	2.36	6.00	5.22	14.96	2.04	1.19	4.07	<b>62.61</b>
1935	3.84	2.07	3.49	2.56	2.56	4.08	11.68	8.78	4.37	0.31	2.25	4.03	<b>50.02</b>
1936	4.19	4.49	7.24	0.97	2.22	2.76	5.88	5.03	5.97	5.00	1.98	10.19	<b>55.92</b>
1937	5.77	5.33	3.08	6.42	2.36	2.69	10.94	5.00	3.13	8.26	5.07	3.55	<b>61.60</b>
1938	3.00	1.81	3.30	4.30	6.20	3.72	1.90	0.85	10.17	2.08	2.32	8.98	<b>48.63</b>
1939	5.92	5.86	2.83	3.08	2.95	4.95	5.84	6.52	2.52	5.72	5.76	3.01	<b>54.96</b>
1940	4.67	6.21	2.49	3.47	11.69	1.64	3.58	9.36	4.75	1.72	4.17	5.56	<b>59.31</b>
Mean	<b>4.03</b>	<b>4.02</b>	<b>4.08</b>	<b>3.37</b>	<b>5.40</b>	<b>2.90</b>	<b>6.74</b>	<b>6.03</b>	<b>6.60</b>	<b>3.19</b>	<b>3.72</b>	<b>4.84</b>	<b>54.92</b>

## HELENA, UNITED STATES

Lat 46°34' N. Long. 112°4' W. H<sub>b</sub> = 4,124 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h + 18^h)$ , 105th meridian W.  
25 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.824	.790	.824	.819	.802	.755	.807	.858	.767	.834	.776	.711	.797
1932	.741	.686	.779	.733	.758	.765	.771	.778	.880	.845	.808	.771	.776
1933	.576	.754	.742	.750	.706	.748	.807	.840	.702	.811	.937	.655	.752
1934	.841	.881	.840	.807	.772	.746	.805	.852	.815	.835	.743	.824	.813
1935	.759	.892	.630	.734	.776	.767	.816	.804	.851	.851	.860	.867	.801
1936	.715	.662	.710	.815	.777	.803	.813	.859	.847	.907	1.068	.731	.809
1937	.747	.669	.804	.703	.788	.835	.849	.827	.875	.856	.816	.807	.798
1938	.833	.790	.644	.784	.766	.803	.877	.830	.879	.849	.819	.803	.806
1939	.717	.722	.778	.806	.762	.760	.832	.858	.833	.828	.936	.812	.804
1940	.882	.710	.728	.786	.816	.809	.833	.846	.843	.822	.878	.765	.810
Mean	.763	.756	.748	.774	.772	.779	.821	.835	.829	.844	.864	.775	.797

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 89 ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	31.8	33.3	35.6	44.5	54.4	63.9	70.3	70.2	56.4	46.8	29.1	25.9	46.9
1932	20.6	29.2	25.0	44.4	54.1	62.4	69.5	67.6	58.2	42.6	39.7	18.1	44.3
1933	26.2	18.6	36.2	41.2	50.0	66.5	72.4	65.8	54.8	48.2	39.3	30.2	45.8
1934	33.4	32.1	37.8	50.1	60.0	59.7	70.3	69.3	51.6	48.2	39.1	22.6	47.9
1935	20.0	30.7	30.0	37.0	49.6	59.5	69.5	66.9	58.6	43.4	31.3	27.8	43.7
1936	23.2	2.0	31.6	43.9	59.3	62.9	75.4	68.2	56.2	47.0	27.5	27.2	43.7
1937	-2.4	22.8	32.0	43.7	55.1	59.0	71.5	67.3	58.4	49.4	34.9	28.2	43.3
1938	26.6	19.2	32.8	44.1	50.6	61.1	67.9	66.6	64.0	44.6	30.5	28.5	44.7
1939	31.6	19.0	34.4	46.3	56.4	55.9	70.9	68.3	57.2	46.1	38.9	33.6	46.6
1940	15.4	26.6	39.4	42.5	57.5	64.2	71.1	70.4	60.2	48.8	22.7	28.7	45.6
Mean	22.6	23.3	33.5	43.8	54.7	61.5	70.9	68.1	57.6	46.5	33.3	27.1	45.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 82 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.04	0.18	0.32	0.25	1.09	1.67	1.29	0.06	1.18	0.09	0.84	0.16	7.17
1932	0.57	0.25	1.55	0.70	1.16	2.05	1.22	1.49	T	0.85	0.40	0.79	11.03
1933	0.55	0.82	0.22	1.50	1.41	0.73	0.41	3.06	0.66	1.01	0.73	0.60	11.70
1934	0.24	0.28	0.93	0.56	0.34	2.85	0.24	0.03	0.63	1.05	0.31	0.89	8.35
1935	0.39	0.16	1.14	0.70	0.66	0.59	1.03	0.62	0.11	0.71	0.17	T	6.28
1936	0.57	1.51	0.45	0.99	0.89	2.28	0.69	0.69	0.90	0.84	0.39	0.69	10.89
1937	0.84	0.18	0.98	0.57	0.29	2.27	1.38	0.65	2.25	0.38	0.31	1.50	11.60
1938	0.54	0.37	0.94	0.61	3.65	3.36	1.91	1.24	0.72	2.27	0.25	0.23	16.09
1939	0.20	0.70	0.47	0.56	1.59	2.63	0.44	0.48	0.89	1.24	0.65	0.34	9.59
1940	0.55	0.66	0.65	1.14	1.37	1.46	1.79	T	2.00	0.42	0.36	0.04	10.44
Mean	0.45	0.51	0.76	0.76	1.25	1.99	1.04	0.83	0.93	0.89	0.38	0.52	10.31

## KEY WEST, UNITED STATES

Lat. 24°33' N. Long. 81°48' W. H<sub>s</sub> = 22 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(S^h + 20^h)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.066	.999	.971	.981	.926	.970	.952	1.010	.929	.951	1.020	1.046	.985
1932	1.092	1.035	.963	.962	.952	.930	.986	.924	.894	.913	.992	1.091	.978
1933	1.050	1.075	1.026	.929	.940	.939	.971	.923	.884	.851	1.026	1.108	.977
1934	1.084	1.078	1.063	.979	.910	.942	1.000	1.003	.940	.935	1.014	1.082	1.002
1935	1.056	1.074	1.083	.942	.960	.963	.986	.947	.880	.955	1.002	1.067	.993
1936	1.024	.993	.959	1.023	.920	.883	.989	.945	.932	.929	1.020	1.046	.972
1937	1.056	1.007	.963	.975	.927	.968	1.015	.965	.902	.917	.958	1.056	.976
1938	1.072	1.115	1.035	1.013	.962	1.014	1.002	.991	.917	.917	.985	1.043	1.006
1939	1.068	1.067	1.056	.993	.948	.981	1.004	.959	.948	.931	1.033	1.035	1.002
1940	1.069	1.022	.970	.987	.946	.982	1.024	.957	.872	.968	1.045	.989	.986
Mean	1.064	1.047	1.009	.978	.939	.957	.993	.962	.910	.927	1.009	1.056	.988

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 10 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	65.2	67.3	67.2	73.4	78.5	81.7	83.7	84.0	82.3	79.1	74.7	76.4	76.1
1932	73.6	75.8	72.3	74.8	78.5	82.4	84.7	84.4	83.9	80.5	72.1	73.1	78.0
1933	71.8	74.2	73.5	78.4	81.7	80.8	84.1	83.8	83.1	78.9	72.1	72.2	77.9
1934	71.2	70.2	72.9	76.8	80.1	82.5	83.0	83.6	82.7	80.6	74.6	70.8	77.4
1935	69.5	69.1	74.9	78.2	82.0	83.8	82.9	84.2	82.7	79.1	73.7	65.5	77.1
1936	70.8	70.4	71.5	76.5	78.5	81.2	83.3	83.0	83.3	81.4	74.8	73.0	77.3
1937	76.8	73.4	72.6	76.6	78.7	82.0	83.0	84.0	82.5	78.8	72.7	68.4	77.4
1938	69.2	71.0	75.6	76.6	80.7	82.2	83.5	84.0	83.1	79.0	76.3	69.8	77.7
1939	71.6	75.2	76.3	76.7	79.4	82.3	83.7	83.4	83.4	80.2	72.3	69.2	77.3
1940	65.2	66.0	70.7	74.4	78.0	83.2	84.5	84.1	81.7	77.8	74.3	73.6	76.1
Mean	70.5	71.3	72.8	76.2	79.6	82.2	83.6	83.8	82.9	79.5	73.8	71.2	77.3

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.98	3.89	4.44	3.73	2.41	1.96	3.23	5.56	9.10	8.02	0.68	4.04	51.04
1932	3.57	2.07	0.92	0.93	5.96	5.14	1.23	6.63	3.29	7.48	2.77	0.43	40.42
1933	0.28	0.75	2.04	0.59	1.47	10.91	3.30	4.90	3.10	23.56	0.75	0.37	52.02
1934	1.10	0.95	1.45	0.93	4.70	2.84	5.03	2.24	6.72	3.01	2.12	0.41	31.50
1935	1.91	0.40	0.30	1.64	0.50	2.62	10.08	4.18	9.69	2.21	5.14	0.95	39.62
1936	2.09	5.45	4.36	1.02	3.51	10.45	4.02	7.52	5.19	3.80	1.38	1.67	50.46
1937	0.84	3.32	1.18	0.13	9.63	6.04	4.11	4.34	8.01	4.59	1.28	0.82	44.29
1938	0.30	0.25	1.50	0.81	1.24	3.33	3.25	2.16	3.72	2.63	3.13	0.26	22.58
1939	1.73	2.45	0.08	7.46	2.71	1.97	3.15	3.73	3.18	11.83	0.13	3.70	42.12
1940	0.62	1.56	2.72	2.48	1.93	1.10	4.59	5.75	11.88	1.86	0.76	6.25	41.50
Mean	1.64	2.11	1.90	1.97	3.40	4.64	4.20	4.70	6.39	6.90	1.81	1.89	41.55

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.9	16.6	15.6	16.0	14.1	15.5	15.0	16.9	14.2	14.9	17.3	18.2	16.1
1932	19.7	17.7	15.3	15.3	14.9	14.2	16.1	14.0	13.0	13.7	16.3	19.7	15.9
1933	18.3	19.1	17.5	14.2	14.6	14.5	15.6	14.0	12.7	11.6	17.5	20.3	15.8
1934	19.4	19.2	18.7	15.9	13.5	14.6	16.6	16.7	14.6	14.4	17.1	19.4	16.7
1935	18.5	19.1	19.5	14.6	15.3	15.3	16.1	14.8	12.5	15.1	16.7	18.9	16.4
1936	17.4	16.4	15.2	17.4	13.9	12.6	16.3	14.7	14.3	14.2	17.3	18.2	15.7
1937	18.5	16.9	15.3	15.8	14.1	15.5	17.1	15.4	13.2	13.8	15.2	18.5	15.8
1938	19.0	20.5	17.8	17.0	15.3	17.1	16.7	16.3	13.8	13.8	16.1	18.1	16.8
1939	19.0	18.9	18.5	16.4	14.9	16.0	16.8	15.3	14.9	14.3	17.7	17.7	16.7
1940	19.0	17.4	15.6	16.2	14.8	16.0	17.4	15.1	12.3	15.5	18.2	16.2	16.1
Mean	18.8	18.2	16.9	15.9	14.5	15.1	16.3	15.3	13.5	14.1	16.9	18.5	16.2

## LITTLE ROCK, UNITED STATES

Lat. 34°45' N. Long. 92°16' W.  $H_b = 357$  ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.776	.687	.612	.694	.588	.618	.569	.677	.644	.703	.750	.718	.670
1932	.741	.669	.625	.584	.644	.529	.603	.589	.658	.647	.813	.789	.658
1933	.681	.763	.648	.502	.527	.634	.587	.605	.574	.705	.761	.717	.642
1934	.785	.823	.747	.628	.614	.547	.590	.619	.632	.699	.692	.790	.680
1935	.803	.759	.638	.560	.588	.582	.627	.599	.643	.745	.764	.809	.676
1936	.704	.715	.537	.670	.652	.537	.583	.601	.598	.704	.841	.784	.660
1937	.723	.709	.711	.547	.591	.570	.623	.616	.657	.657	.770	.791	.664
1938	.727	.811	.567	.634	.548	.632	.579	.645	.639	.721	.737	.749	.666
1939	.690	.685	.701	.617	.563	.572	.590	.572	.614	.694	.888	.670	.655
1940	.850	.640	.598	.558	.581	.579	.656	.603	.683	.703	.782	.712	.662
Mean	.748	.726	.638	.599	.590	.580	.601	.613	.634	.698	.780	.763	.663

TEMPERATURE IN DEGREES F.  $h_t = 136$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	43.8	49.4	47.8	60.3	65.8	79.7	81.2	77.2	79.5	67.8	58.6	49.5	63.4
1932	47.7	53.1	49.0	65.1	70.4	79.4	83.1	82.2	74.0	61.4	47.2	39.9	62.7
1933	49.9	41.8	52.3	61.1	72.0	79.0	80.5	78.6	78.8	63.0	53.4	48.5	63.2
1934	44.5	41.4	49.3	62.1	71.1	80.8	84.5	84.0	71.7	67.8	54.2	41.9	62.8
1935	43.1	46.2	59.2	59.9	66.8	75.1	81.8	81.6	73.4	63.9	49.6	38.1	61.6
1936	37.9	36.6	57.6	59.5	72.0	80.2	82.1	84.3	79.0	61.8	49.4	45.8	62.2
1937	41.5	44.0	48.4	61.7	71.7	79.3	80.1	82.4	73.1	60.6	48.5	42.7	61.2
1938	42.7	50.8	60.2	62.5	70.8	76.2	82.3	83.4	76.2	67.6	51.2	44.3	64.0
1939	45.9	43.8	56.2	59.3	69.6	78.4	81.9	80.2	80.4	65.6	49.8	46.7	63.2
1940	28.7	42.3	52.0	60.1	67.3	75.6	78.3	78.0	72.2	66.2	50.8	47.9	60.0
Mean	42.6	44.9	53.2	61.2	69.7	78.4	81.6	81.2	75.8	64.6	51.3	44.5	62.4

TOTAL PRECIPITATION IN INCHES.  $h_r = 129$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.00	4.03	4.47	6.43	2.07	2.76	3.74	1.29	0.64	1.76	8.30	9.14	45.63
1932	11.38	4.81	5.23	1.70	3.23	3.70	7.76	1.25	2.65	3.34	1.23	6.40	52.68
1933	3.30	2.66	5.30	5.10	5.93	0.99	3.97	6.54	6.00	1.61	1.68	3.52	46.60
1934	2.63	1.40	6.84	5.81	2.74	3.17	2.28	2.15	4.00	0.52	4.93	5.90	42.37
1935	6.35	2.40	6.09	3.47	10.34	5.51	2.34	2.07	3.40	3.50	2.40	1.87	49.74
1936	0.93	1.80	2.35	3.10	1.24	3.27	7.51	0.27	1.92	4.42	3.67	4.90	34.88
1937	18.04	2.00	2.22	1.90	2.78	1.66	1.62	4.68	5.75	5.00	3.74	3.57	52.96
1938	9.80	4.87	7.18	4.04	3.42	2.92	2.50	3.46	0.99	1.37	6.07	3.34	49.96
1939	7.86	8.59	2.47	7.97	6.95	3.14	2.11	2.92	2.36	0.66	3.93	1.41	50.37
1940	1.40	3.21	1.31	5.58	3.10	2.26	1.60	3.55	2.17	1.91	5.55	3.02	34.66
Mean	6.27	3.53	4.34	4.51	4.18	2.94	3.54	2.82	2.99	2.41	4.15	4.31	45.98

MARQUETTE, UNITED STATES

Lat. 46°34' N. Long. 87°24' W. H<sub>b</sub> = 734 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.147	.251	.283	.215	.097	.161	.103	.228	.142	.147	.145	.243	.130
1932	.157	.100	.091	.265	.205	.116	.095	.142	.245	.135	.268	.150	.164
1933	.055	.104	.235	.127	.140	.124	.109	.222	.077	.191	.124	.252	.154
1934	.173	.375	.277	.079	.150	.092	.185	.208	.181	.194	.178	.220	.193
1935	.288	.244	.155	.253	.305	.065	.160	.174	.191	.252	.268	.268	.219
1936	.161	.187	.015	.219	.205	.159	.169	.197	.203	.187	.213	.228	.179
1937	.233	.063	.289	.164	.195	.134	.147	.213	.226	.169	.127	.224	.182
1938	.153	.390	.071	.175	.131	.156	.155	.156	.217	.239	.129	.132	.175
1939	.127	.159	.227	.135	.149	.109	.174	.146	.195	.119	.392	.046	.165
1940	.193	.267	.217	.234	.115	.071	.247	.255	.271	.241	.202	.224	.211
Mean	.169	.214	.186	.187	.169	.119	.163	.194	.195	.187	.205	.199	.182

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 77 ft.

Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.6	27.5	29.4	41.0	49.7	62.4	69.6	65.2	64.3	53.6	42.1	31.7	46.7
1932	27.4	21.7	23.3	37.2	50.7	61.1	65.6	67.4	60.1	44.8	30.8	21.4	42.6
1933	24.0	15.6	24.8	37.2	50.3	64.6	65.8	65.1	61.4	43.5	28.1	18.3	41.6
1934	23.3	10.9	22.1	36.9	53.9	59.4	63.6	60.8	53.8	47.7	36.7	21.8	40.9
1935	16.4	21.5	29.3	36.5	46.7	56.0	69.6	65.8	55.4	46.1	30.7	23.2	41.4
1936	16.2	6.6	27.7	34.0	51.7	56.6	69.5	64.5	58.8	42.5	28.8	26.2	40.3
1937	16.0	20.7	23.1	37.8	51.5	61.2	67.0	70.1	56.4	43.1	32.9	21.0	41.7
1938	16.1	22.5	33.1	39.4	49.9	59.2	65.1	68.5	55.8	51.2	34.3	23.8	43.2
1939	21.2	15.2	23.3	34.8	50.7	59.7	67.2	65.6	57.9	44.1	36.2	30.2	42.2
1940	17.6	23.0	22.9	35.8	45.1	57.2	67.2	65.0	59.5	48.2	32.4	25.2	41.6
Mean	20.2	18.5	25.9	37.1	50.0	59.7	67.0	65.8	58.3	46.5	33.3	24.3	42.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 70 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.70	1.51	2.61	2.08	1.65	4.12	4.65	1.03	5.66	3.15	3.34	1.09	32.59
1932	2.86	1.99	2.00	2.06	3.42	0.87	4.26	3.66	1.86	1.93	1.43	1.59	27.93
1933	2.11	3.44	1.95	4.32	2.08	1.32	1.55	0.80	4.03	2.06	2.79	2.56	29.01
1934	3.00	1.02	2.30	2.92	0.60	2.16	2.01	1.83	6.59	0.93	5.76	2.30	31.42
1935	2.52	0.72	1.67	1.87	1.44	3.29	3.47	2.35	1.98	1.97	4.08	2.91	23.27
1936	2.87	2.33	2.89	1.02	5.30	1.41	0.44	4.79	3.05	1.94	3.21	1.15	30.40
1937	2.41	3.04	0.44	2.04	2.18	0.66	5.03	1.13	3.36	4.42	4.25	2.31	31.27
1938	3.93	1.52	1.95	3.31	2.66	3.99	1.54	4.72	1.87	3.43	2.96	2.97	34.35
1939	2.21	2.25	2.71	3.04	3.03	8.86	1.13	3.28	3.43	2.55	0.79	2.58	35.91
1940	2.48	1.55	1.02	2.98	4.37	4.54	1.91	1.69	3.05	1.79	3.96	1.64	30.98
Mean	2.61	1.94	1.95	2.56	2.63	3.12	2.60	2.53	3.49	2.42	3.26	2.11	31.26

## MOBILE, UNITED STATES

Lat. 30°41' N. Long. 88°2' W. H = 57 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.099	.997	.932	1.013	.914	.959	.918	1.006	.970	1.018	1.096	1.027	.996
1932	1.091	.997	.953	.935	.928	.877	.932	.898	.900	.935	1.082	1.085	.968
1933	1.056	1.069	1.011	.868	.891	.935	.925	.910	.882	.958	1.078	1.081	.972
1934	1.095	1.093	1.067	.957	.891	.881	.950	.976	.953	.972	1.042	1.112	.999
1935	1.097	1.071	1.039	.885	.918	.925	.924	.892	.900	1.042	1.055	1.102	.968
1936	1.001	1.013	.905	1.009	.946	.857	.930	.943	.930	.985	1.114	1.092	.977
1937	1.043	1.031	1.002	.924	.932	.917	.972	.950	.940	.954	1.044	1.115	.985
1938	1.066	1.157	.982	1.004	.925	.970	.934	.985	.940	1.005	1.084	1.085	1.011
1939	1.063	1.032	1.054	.971	.919	.930	.940	.900	.944	1.006	1.153	1.014	.994
1940	1.132	.978	.951	.941	.914	.938	.993	.910	.936	1.021	1.112	1.002	.986
Mean	1.074	1.044	.990	.951	.918	.919	.942	.937	.929	.990	1.086	1.071	.988

TEMPERATURE IN DEGREES F.  $h_t = 125$  ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	50.1	55.0	54.5	63.8	71.1	79.7	81.1	78.4	79.7	71.9	64.3	60.8	67.5
1932	57.0	63.4	55.1	67.5	72.2	80.9	83.5	80.9	76.9	65.7	53.6	54.8	67.6
1933	56.4	54.0	59.8	66.3	77.7	78.7	79.9	81.0	81.9	69.7	59.4	60.9	68.8
1934	54.7	50.9	57.3	66.4	73.5	80.4	81.1	80.4	76.5	70.7	61.4	51.1	67.0
1935	52.2	54.3	63.3	67.1	74.9	78.7	80.9	80.8	76.5	70.5	59.0	46.4	67.0
1936	50.9	50.8	62.5	65.1	74.2	81.9	81.2	81.0	80.5	70.2	57.0	53.7	67.4
1937	62.5	52.6	56.0	66.5	75.7	79.9	80.8	80.8	76.0	66.1	54.6	51.3	67.0
1938	51.3	58.2	66.7	65.9	74.4	79.5	80.4	82.2	76.8	68.7	58.2	50.7	67.7
1939	55.3	56.3	61.8	65.7	73.3	79.9	80.9	79.6	78.7	69.4	56.4	54.3	67.6
1940	39.1	49.7	58.9	64.7	71.7	78.3	79.6	80.4	75.2	68.4	58.2	56.5	65.1
Mean	52.9	54.5	59.6	65.9	73.9	79.8	80.9	80.6	77.9	69.1	58.2	54.1	67.3

TOTAL PRECIPITATION IN INCHES.  $h_r = 119$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5.43	2.71	6.35	3.21	3.63	0.65	17.99	5.84	1.92	3.58	0.80	9.18	61.29
1932	4.55	2.54	3.33	3.76	10.59	2.66	6.14	8.53	10.76	10.08	2.41	4.90	70.25
1933	4.10	6.88	6.39	14.12	1.48	5.90	11.75	1.94	1.40	2.66	0.66	3.86	61.14
1934	4.31	4.90	5.93	6.43	5.63	4.14	6.06	7.59	0.95	7.39	5.31	2.93	61.57
1935	2.01	3.56	11.23	5.59	7.50	2.99	6.16	3.24	2.97	1.07	2.10	4.98	53.40
1936	14.59	4.03	1.52	5.94	3.77	1.75	6.13	6.29	2.18	0.42	2.86	4.03	53.51
1937	4.03	3.29	6.96	7.49	4.62	7.21	7.27	4.45	3.16	11.43	2.23	3.28	65.42
1938	2.87	1.88	2.15	2.37	2.02	4.62	12.83	2.04	0.97	0.48	1.72	3.20	37.15
1939	2.64	7.44	2.11	2.58	8.52	9.12	7.02	8.81	4.81	0.13	0.69	2.55	56.42
1940	2.65	5.56	4.10	4.78	4.37	12.49	9.82	2.24	4.86	0.57	3.00	7.74	62.27
Mean	4.72	4.26	5.02	5.63	5.21	5.15	9.12	5.10	3.40	3.78	2.16	4.66	58.24



MODENA, UNITED STATES

Lat. 37°48' N. Long. 113°54' W. H<sub>0</sub> = 5,473 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(6^h + 18^h)$ , 105th meridian W.

24 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.700	.575	.637	.574	.602	.586	.615	.698	.600	.649	.591	.615	.620
1932	.596	.583	.598	.533	.551	.564	.628	.609	.685	.650	.739	.601	.611
1933	.546	.635	.585	.511	.512	.599	.649	.645	.573	.680	.768	.683	.616
1934	.744	.659	.683	.579	.580	.543	.652	.683	.622	.682	.647	.710	.649
1935	.638	.673	.512	.505	.510	.569	.649	.640	.657	.650	.665	.668	.611
1936	.608	.487	.533	.593	.576	.581	.653	.676	.621	.662	.793	.601	.615
1937	.480	.579	.537	.545	.542	.595	.674	.672	.671	.670	.656	.663	.607
1938	.680	.597	.490	.550	.560	.571	.684	.668	.689	.646	.699	.691	.627
1939	.613	.554	.595	.605	.556	.565	.660	.668	.679	.675	.743	.698	.634
1940	.636	.587	.568	.547	.591	.605	.672	.666	...	...	...	...	*.623
Mean	.624	.593	.574	.554	.558	.573	.654	.662	.644	.664	.700	.659	.622

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 10 ft.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.6	34.6	38.8	48.4	55.8	65.5	76.7	71.8	60.9	50.5	30.2	18.7	48.0
1932	15.9	27.1	39.2	46.0	54.5	63.2	71.0	69.4	62.1	48.5	40.5	17.3	46.2
1933	21.5	16.5	38.9	42.8	49.1	65.3	74.8	69.6	65.3	55.1	38.1	36.2	47.8
1934	31.9	37.9	46.7	52.2	60.7	62.4	74.0	72.1	61.3	51.8	40.5	30.7	51.9
1935	30.5	35.5	36.2	40.8	52.7	67.5	70.2	71.0	63.4	48.1	34.3	28.5	43.7
1936	29.5	33.7	40.3	50.0	57.3	68.0	72.2	70.2	59.7	48.7	36.1	29.5	49.6
1937	7.3	29.3	38.7	44.6	58.3	64.3	72.6	72.2	64.7	51.1	40.5	33.7	48.1
1938	29.3	32.6	37.7	47.2	53.3	64.7	70.6	69.0	63.1	48.7	30.7	31.0	48.2
1939	25.1	20.7	40.0	50.1	56.4	64.3	72.5	71.8	60.9	48.6	39.9	35.3	43.8
1940	30.8	34.5	41.6	47.8	59.3	68.5	72.0	72.4	60.5	51.1	34.5	30.3	50.3
Mean	24.5	30.2	39.8	47.6	55.7	65.4	72.7	71.0	62.2	50.2	36.5	29.2	43.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 2 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.57	0.88	0.59	0.54	0.72	0.18	0.52	0.46	0.39	0.87	2.17	0.77	8.66
1932	0.41	2.19	0.26	0.25	1.01	1.12	1.12	0.69	0.76	0.29	0.04	1.26	19.40
1933	1.38	0.04	0.28	0.23	1.13	T	2.15	1.49	0.05	0.60	0.37	0.38	8.60
1934	0.23	0.34	0.06	0.51	0.28	0.40	0.54	1.81	0.72	0.55	0.28	1.08	6.80
1935	0.94	0.70	1.21	0.47	2.02	T	1.51	1.06	0.63	0.03	0.47	0.47	9.51
1936	0.06	1.65	0.67	0.08	0.10	0.12	2.21	2.13	0.28	2.73	0.05	1.36	11.44
1937	1.14	0.36	2.56	0.29	0.64	0.10	2.49	0.70	0.72	0.06	0.22	0.69	9.97
1938	1.38	1.16	2.20	0.63	1.82	0.23	2.22	1.74	1.17	1.54	0.35	0.76	15.20
1939	0.74	0.59	0.62	0.49	0.77	0.09	0.16	1.22	3.24	0.61	0.22	0.08	8.33
1940	0.61	1.72	0.07	0.70	T	0.30	T	0.49	2.88	0.93	0.25	0.68	8.63
Mean	0.75	0.96	0.85	0.42	0.85	0.25	1.29	1.18	1.08	0.82	0.49	0.75	9.70

\* Normal values used for missing months.

## NASHVILLE, UNITED STATES

Lat. 36°10' N. Long. 86°47' W. H<sub>b</sub> = 546 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h+19^h)$ , 90th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.568	.511	.405	.502	.397	.455	.402	.494	.489	.545	.611	.569	.496
1932	.584	.497	.419	.422	.492	.367	.416	.434	.496	.464	.620	.611	.485
1933	.522	.573	.476	.350	.385	.457	.440	.434	.413	.537	.542	.559	.474
1934	.608	.627	.565	.430	.438	.380	.428	.462	.477	.525	.541	.588	.506
1935	.619	.544	.477	.363	.429	.396	.446	.424	.473	.599	.565	.593	.494
1936	.512	.534	.350	.497	.497	.351	.402	.456	.459	.529	.617	.615	.485
1937	.567	.511	.505	.379	.434	.400	.452	.464	.493	.478	.579	.611	.489
1938	.522	.633	.429	.473	.395	.464	.426	.486	.467	.550	.573	.559	.493
1939	.508	.523	.525	.440	.423	.428	.405	.388	.442	.500	.670	.445	.475
1940	.593	.420	.405	.372	.361	.403	.488	.420	.479	.504	.593	.516	.463
Mean	.560	.537	.456	.423	.425	.410	.430	.446	.469	.523	.591	.567	.486

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 163 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	40.5	44.1	43.7	58.1	64.8	77.2	81.1	75.9	76.9	64.9	57.6	49.9	61.3
1932	46.1	51.1	43.9	59.4	67.5	77.3	80.6	79.4	71.7	58.3	46.4	40.6	60.2
1933	46.7	40.9	48.7	58.5	71.4	77.3	78.1	76.3	76.7	60.3	49.4	47.9	61.0
1934	42.1	36.0	46.7	59.6	70.0	78.4	81.7	79.7	70.3	63.1	52.8	39.6	60.0
1935	40.3	42.4	56.7	57.7	67.2	72.4	79.6	79.5	70.9	61.9	49.0	33.7	59.3
1936	32.7	35.5	53.3	55.9	71.3	79.3	80.7	81.3	75.7	60.7	45.8	43.5	59.6
1937	46.7	40.0	45.3	58.7	68.6	77.6	77.7	80.5	69.7	57.7	45.9	39.1	59.0
1938	38.6	49.5	56.7	61.3	68.6	73.3	78.7	79.9	71.5	63.0	49.8	41.3	61.0
1939	44.2	44.0	52.7	56.7	67.8	76.2	79.3	77.3	77.0	64.3	46.8	43.3	60.3
1940	24.5	39.5	46.9	57.4	64.8	75.4	77.1	78.6	70.7	63.6	48.1	45.7	57.7
Mean	40.2	42.3	49.5	58.3	68.2	76.4	79.5	78.3	73.1	61.9	49.2	42.5	60.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 161 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.31	6.05	3.49	2.44	1.92	2.31	2.47	3.94	1.54	1.86	3.75	6.33	36.41
1932	7.74	5.80	4.89	7.20	1.32	2.91	3.40	1.70	4.32	4.94	1.88	4.43	50.53
1933	3.51	6.21	6.14	4.17	9.94	1.76	5.37	2.79	3.66	1.23	1.47	6.40	52.65
1934	2.99	2.61	7.99	2.24	1.61	5.79	3.85	1.87	4.52	2.02	1.45	2.57	39.51
1935	6.96	3.63	6.96	4.51	3.51	2.81	4.50	2.29	2.33	1.51	2.77	0.91	42.69
1936	3.52	1.52	8.40	3.70	1.41	0.21	8.33	0.59	1.86	3.38	3.52	4.72	41.16
1937	14.75	1.90	1.57	3.73	5.33	2.65	2.49	2.17	2.05	4.31	2.06	3.12	46.13
1938	5.81	1.82	4.78	2.23	4.35	4.98	5.93	2.38	3.40	0.47	3.06	2.00	41.21
1939	6.80	8.87	4.83	3.96	1.98	4.85	3.11	1.87	0.95	1.13	1.48	2.68	42.51
1940	1.13	5.06	7.63	5.24	3.32	2.84	2.17	1.33	0.87	1.30	3.71	2.44	37.04
Mean	5.45	4.25	5.67	3.94	3.47	3.11	4.16	2.09	2.55	2.22	2.51	3.56	42.98

## NEW HAVEN, UNITED STATES

Lat. 41°18' N. Long 72°56' W. H<sub>b</sub> = 106 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(S^h + 20^h)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.861	.894	.770	.896	.827	.831	.807	.905	.889	.920	1.074	.964	.886
1932	1.009	.876	.646	.812	.919	.787	.728	.885	.955	.925	1.082	1.042	.889
1933	.897	.866	.816	.886	.847	.810	.899	.893	.821	1.000	.858	.991	.882
1934	.989	1.014	1.057	.900	.888	.795	.849	.935	1.003	.914	1.018	.945	.942
1935	1.041	.928	.952	.772	.872	.840	.891	.913	.947	1.090	1.002	.887	.928
1936	.853	.970	.806	.913	.915	.811	.769	.905	.993	.983	.926	1.134	.915
1937	1.153	.852	.784	.899	.850	.804	.865	.963	.955	.941	.938	.996	.917
1938	.945	1.077	.890	.929	.829	.884	.867	.861	.910	.976	1.038	.951	.930
1939	.895	.980	.954	.824	.849	.872	.861	.866	.936	.909	1.036	.727	.892
1940	.879	.755	.819	.835	.823	.800	.923	1.016	.919	.965	.983	.998	.893
Mean	.952	.921	.849	.867	.862	.823	.846	.914	.933	.962	.996	.964	.907

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 74 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	29.7	31.0	38.7	48.7	58.7	68.1	74.0	72.2	68.8	57.7	48.2	37.4	52.8
1932	39.6	33.0	35.5	46.3	58.7	66.4	71.9	72.2	64.7	55.7	41.5	35.9	51.8
1933	37.2	32.4	36.4	46.9	60.7	68.6	71.8	71.2	66.2	53.2	39.2	29.0	51.1
1934	31.6	17.4	35.1	47.9	59.7	69.4	74.2	68.0	66.1	51.2	46.5	31.0	49.8
1935	26.0	29.2	40.1	47.7	56.3	66.3	74.6	71.1	62.4	53.6	46.7	28.2	50.2
1936	28.2	23.7	43.1	45.4	59.8	66.3	72.0	71.4	64.4	53.8	40.5	35.8	50.4
1937	37.6	33.6	34.2	46.8	60.6	68.1	73.2	74.4	62.4	52.0	43.9	32.8	51.6
1938	29.0	33.2	41.1	49.7	56.9	67.1	72.9	73.8	61.9	56.8	45.5	34.0	51.8
1939	29.0	34.0	35.8	45.3	59.3	67.4	72.4	74.6	61.2	53.7	40.6	34.0	50.9
1940	23.0	30.9	32.8	44.4	57.3	65.4	72.4	68.0	63.2	50.4	42.8	35.4	48.8
Mean	31.1	29.8	37.3	46.9	58.8	67.3	72.9	71.7	64.4	53.9	43.5	33.4	50.9

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 68 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.17	2.04	5.27	3.98	5.90	5.33	3.99	3.31	4.60	2.23	0.85	3.54	44.21
1932	5.63	2.51	6.28	1.93	2.64	2.16	2.79	3.88	3.55	5.51	6.45	2.25	45.58
1933	1.73	4.15	6.60	4.64	2.00	2.26	3.58	7.39	5.05	2.64	0.90	4.51	45.45
1934	3.52	3.82	4.68	4.98	5.23	3.42	3.04	2.45	8.76	2.51	3.28	3.34	49.03
1935	5.84	3.82	2.93	2.42	1.70	5.58	4.03	0.72	3.53	0.76	4.70	0.96	36.99
1936	7.56	3.05	6.43	3.46	1.58	13.96	1.45	2.21	5.40	5.10	1.09	8.34	59.63
1937	6.68	2.22	4.33	4.75	1.98	4.54	4.21	7.00	2.90	5.80	5.80	2.95	53.16
1938	4.23	2.91	2.57	2.98	4.28	6.66	7.05	2.64	14.52	2.16	4.24	3.53	57.77
1939	4.02	6.46	5.66	5.14	1.04	2.86	0.52	7.46	2.33	5.46	1.70	3.71	46.36
1940	3.07	3.45	5.36	6.71	6.97	3.36	3.95	2.54	3.33	2.05	5.45	2.46	48.70
Mean	4.55	3.44	50.1	4.10	3.33	5.01	3.46	3.96	5.40	3.42	3.45	3.56	48.69

## NEW ORLEANS, UNITED STATES

Lat. 29°57' N. Long. 90°4' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 71$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.65	3.79	4.83	3.39	2.48	2.56	7.77	5.28	2.06	5.36	2.87	8.63	53.67
1932	5.25	2.54	2.54	5.88	15.06	3.73	6.57	8.21	6.14	8.43	3.62	4.15	72.12
1933	3.59	5.62	6.15	6.38	3.01	0.59	7.32	7.28	3.08	0.64	3.60	1.23	43.49
1934	6.00	3.33	5.93	4.55	10.39	5.24	7.72	11.46	1.16	2.53	5.75	1.96	66.02
1935	2.93	3.64	9.62	8.35	4.57	3.45	8.43	4.80	2.43	0.48	2.15	7.06	57.91
1936	8.78	5.46	2.25	6.55	3.97	0.71	8.43	7.48	6.75	3.49	3.06	3.86	60.79
1937	3.93	2.15	5.58	7.42	3.36	8.87	3.38	7.94	6.24	25.11	1.45	3.97	79.40
1938	5.27	1.50	0.91	2.93	3.60	2.57	7.85	3.35	4.54	0.96	2.10	4.59	40.17
1939	2.24	4.20	1.20	3.05	12.72	6.38	4.21	5.68	2.48	0.17	3.38	2.74	48.45
1940	5.56	8.41	5.10	11.65	0.78	7.21	11.95	10.58	7.99	1.25	1.21	8.09	79.78
Mean	4.82	4.06	4.41	6.02	5.99	4.13	7.36	7.21	4.29	4.84	2.92	4.63	60.68

NEW YORK, UNITED STATES

Lat. 40°43' N. Long. 74°0' W. H<sub>b</sub> = 314 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(8^h + 20^h)$ , 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.648	.674	.549	.680	.599	.615	.583	.676	.670	.704	.850	.745	.666
1932	.782	.647	.441	.589	.697	.567	.513	.657	.731	.694	.844	.819	.665
1933	.672	.649	.593	.641	.613	.587	.673	.656	.600	.772	.642	.760	.655
1934	.756	.784	.812	.659	.655	.568	.627	.700	.757	.687	.783	.719	.709
1935	.811	.696	.719	.539	.641	.609	.662	.686	.715	.854	.757	.659	.696
1936	.633	.735	.553	.683	.697	.585	.548	.676	.756	.756	.710	.894	.686
1937	.911	.631	.566	.657	.627	.571	.641	.738	.728	.708	.718	.775	.689
1938	.706	.840	.655	.691	.599	.659	.643	.648	.682	.744	.808	.721	.700
1939	.672	.752	.713	.589	.616	.640	.627	.630	.708	.685	.809	.511	.663
1940	.658	.605	.588	.599	.571	.579	.701	.776	.696	.732	.766	.762	.669
Mean	.725	.701	.619	.633	.631	.598	.622	.684	.704	.734	.768	.736	.680

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 414 ft.

Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	32.9	33.9	40.0	49.9	59.7	68.8	75.8	73.8	70.8	60.0	51.3	40.3	54.8
1932	42.5	35.8	36.5	47.9	60.2	68.4	73.2	74.2	67.3	57.2	43.5	38.7	53.8
1933	39.9	33.6	37.5	49.6	62.1	70.2	73.0	73.2	68.4	55.5	41.6	32.6	53.1
1934	34.1	19.6	36.7	49.0	61.9	71.8	75.5	69.8	67.8	53.4	48.0	33.1	51.7
1935	28.9	31.4	42.7	49.0	58.1	68.0	75.5	73.0	63.8	56.4	48.4	30.3	52.1
1936	29.6	26.4	44.8	46.7	61.9	68.0	74.1	73.5	66.7	56.6	42.2	38.9	52.5
1937	40.1	34.7	36.1	48.5	62.6	70.0	74.7	75.1	64.8	54.2	45.4	35.1	53.4
1938	31.7	35.4	43.7	52.9	58.7	68.4	74.4	75.7	64.5	58.2	47.5	36.9	54.0
1939	32.0	37.2	38.3	47.3	63.0	70.2	73.4	76.2	67.0	56.0	43.0	35.9	53.3
1940	24.9	32.8	34.5	45.5	58.9	67.8	73.9	69.8	65.4	52.8	44.6	38.6	50.8
Mean	33.7	32.1	39.1	48.6	60.7	69.2	74.4	73.4	66.7	56.0	45.5	36.0	52.9

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 407 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.43	2.44	4.74	3.30	3.93	4.00	4.55	3.26	1.15	2.87	0.61	2.22	35.50
1932	4.23	2.38	5.52	2.69	1.81	3.57	0.85	2.72	1.56	5.03	5.87	2.62	38.85
1933	1.53	2.98	5.89	4.49	5.93	2.55	2.77	9.21	8.17	1.98	0.85	3.33	49.68
1934	3.35	2.80	4.40	3.16	4.05	3.21	5.67	1.74	10.19	2.27	1.69	2.43	44.96
1935	4.08	3.01	2.57	1.61	1.33	3.64	3.55	1.43	4.48	2.52	3.20	1.22	32.64
1936	6.82	2.41	3.97	3.13	2.57	4.17	2.37	3.68	5.07	4.05	1.06	7.03	46.33
1937	6.01	1.87	2.98	5.00	2.64	3.07	4.41	7.92	4.04	4.12	4.12	1.95	48.13
1938	3.37	2.24	2.34	3.02	3.49	7.59	6.41	1.99	8.77	1.63	3.37	2.18	46.40
1939	3.80	5.97	4.81	3.90	0.56	3.98	0.44	4.37	1.21	3.96	1.47	1.22	35.69
1940	1.96	3.33	4.49	5.41	6.84	3.11	2.50	5.06	3.22	2.67	3.91	2.53	45.03
Mean	3.76	2.94	4.17	3.57	3.31	3.89	3.35	4.14	4.79	3.11	2.62	2.67	42.32

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.0	16.9	12.4	16.6	13.6	14.0	12.8	16.1	15.9	17.2	22.4	19.1	16.1
1932	20.3	15.9	8.8	13.6	16.9	12.4	10.5	15.4	18.0	16.9	22.4	21.6	16.1
1933	16.7	16.0	14.0	15.3	14.1	13.1	15.9	15.4	13.5	19.6	16.5	19.7	15.8
1934	19.6	20.9	21.5	16.0	15.5	12.4	14.3	16.9	18.9	16.8	20.2	18.4	17.6
1935	22.2	17.6	18.2	11.8	15.1	13.8	15.4	16.4	17.5	22.4	19.3	16.4	17.2
1936	15.5	19.0	12.4	16.9	17.0	13.0	11.7	16.1	18.9	19.1	17.9	24.3	16.8
1937	24.9	15.3	13.1	15.9	14.6	12.6	14.9	18.1	18.0	17.5	18.0	20.3	16.9
1938	18.0	22.5	15.9	17.0	13.7	15.5	14.9	15.0	16.4	18.6	21.1	18.4	17.2
1939	16.8	19.4	18.1	13.6	14.2	14.9	14.5	11.4	17.2	16.7	21.3	11.1	16.0
1940	16.4	13.3	13.9	14.0	12.6	12.8	16.8	19.5	16.8	18.3	19.3	19.7	16.1
Mean	18.6	17.7	14.8	15.1	14.7	13.4	14.2	16.3	17.1	18.3	19.7	18.9	16.6

## NORTH PLATTE, UNITED STATES

Lat. 41°8' N. Long. 100°45' W. H<sub>b</sub> = 2,821 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h+19^h)$ , 90th meridian W.  
26 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.106	1.072	1.089	1.098	1.032	.986	1.027	1.120	1.005	1.090	1.054	1.040	1.060
1932	1.046	1.015	1.041	.979	1.027	.998	1.027	1.028	1.149	1.069	1.146	1.085	1.051
1933	.923	1.049	.999	.936	.943	1.018	1.073	1.102	.983	1.106	1.152	1.053	1.028
1934	1.109	1.187	1.135	1.052	1.022	.954	1.007	1.088	1.050	1.103	1.054	1.121	1.074
1935	1.109	1.139	.935	.979	1.053	1.004	1.053	1.058	1.099	1.131	1.122	1.120	1.067
1936	1.024	1.017	.933	1.084	1.060	1.020	1.049	1.062	1.061	1.130	1.234	1.068	1.062
1937	1.038	1.014	1.091	.950	1.025	1.047	1.057	1.058	1.119	1.110	1.124	1.116	1.062
1938	1.068	1.134	.917	1.014	.980	1.047	1.079	1.056	1.136	1.106	1.055	1.076	1.056
1939	.982	1.013	1.061	1.034	.980	.979	1.045	1.063	1.076	1.048	1.263	1.079	1.052
1940	1.178	1.031	.989	1.004	1.054	1.006	1.063	1.087	1.109	1.062	1.123	1.069	1.065
Mean	1.058	1.067	1.019	1.013	1.018	1.006	1.048	1.072	1.079	1.095	1.133	1.083	1.058

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 11 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	32.8	38.1	34.2	49.5	58.2	75.7	77.7	73.8	70.7	54.4	36.5	28.0	52.5
1932	22.3	32.3	30.5	52.4	63.3	70.4	78.4	76.3	63.5	47.8	38.9	20.5	49.7
1933	32.7	24.9	39.8	49.0	57.9	77.2	78.3	71.6	68.9	53.6	41.1	32.7	52.3
1934	33.3	32.5	38.5	52.1	69.0	75.4	83.1	76.1	59.3	56.6	41.1	27.6	53.7
1935	28.7	34.9	42.4	45.7	52.3	67.2	81.0	75.0	63.9	49.3	34.3	29.9	50.4
1936	21.2	10.9	39.8	47.0	63.9	73.2	82.9	78.7	67.6	48.9	37.7	30.2	50.2
1937	9.7	26.0	35.0	48.2	62.9	68.4	79.1	79.6	66.5	51.4	35.7	27.4	49.2
1938	29.7	30.4	42.9	50.0	58.9	71.2	77.2	78.2	67.4	58.1	34.4	29.4	52.3
1939	32.1	23.1	40.1	49.0	65.3	69.8	79.7	73.4	68.5	52.4	40.0	34.4	52.3
1940	12.9	30.3	38.6	48.2	60.6	72.3	79.7	73.4	68.9	56.6	33.9	30.2	50.5
Mean	25.5	28.3	38.2	49.1	61.2	72.1	79.7	75.6	66.5	52.9	37.4	29.0	51.3

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.03	0.76	1.81	1.25	0.47	2.65	0.97	0.58	0.41	0.34	0.59	0.15	10.01
1932	0.41	0.39	0.54	1.80	1.11	2.75	6.69	2.10	0.71	1.03	T	0.27	17.80
1933	0.16	0.15	0.62	4.78	2.61	1.27	0.94	3.35	2.01	T	0.17	1.06	17.12
1934	0.05	0.52	0.36	0.62	0.65	2.98	0.79	3.20	3.50	0.30	0.17	0.42	13.56
1935	0.18	0.31	0.56	4.08	6.24	3.18	1.17	1.89	0.31	0.22	0.78	0.27	19.19
1936	0.48	0.40	0.57	1.59	3.17	1.64	0.96	1.23	0.35	0.41	0.03	0.43	11.26
1937	0.62	0.30	1.09	1.09	0.64	3.15	2.21	0.76	0.89	1.27	0.06	0.29	12.37
1938	0.07	0.25	0.79	3.60	3.70	2.62	3.15	1.80	5.41	0.03	0.23	0.16	21.81
1939	0.70	0.15	0.88	1.26	2.51	3.51	0.35	1.17	0.20	0.56	T	0.64	11.93
1940	0.81	0.23	1.12	0.88	0.66	2.84	0.66	0.71	0.88	1.56	0.45	0.68	10.98
Mean	0.30	0.35	0.83	2.09	2.18	2.66	1.79	1.68	1.47	0.57	0.25	0.44	14.60

## OMAHA, UNITED STATES

Lat. 41°16' N. Long. 95°56' W. H<sub>b</sub> = 1,105 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h+19^h)$ , 90th meridian W.

28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.880	.889	.865	.877	.755	.730	.744	.858	.753	.832	.840	.852	.823
1932	.877	.827	.828	.765	.805	.715	.764	.774	.908	.807	.948	.904	.827
1933	.709	.877	.816	.695	.687	.757	.808	.838	.718	.884	.893	.881	.797
1934	.914	1.027	.939	.797	.781	.694	.738	.804	.799	.854	.825	.934	.842
1935	.962	.921	.740	.767	.821	.719	.786	.782	.820	.916	.909	.930	.839
1936	.882	.905	.684	.854	.809	.745	.744	.757	.783	.857	.975	.891	.824
1937	.908	.828	.912	.684	.762	.758	.779	.786	.855	.850	.913	.932	.831
1938	.857	.962	.681	.781	.709	.792	.770	.784	.843	.852	.820	.861	.809
1939	.762	.851	.857	.778	.722	.705	.761	.786	.806	.792	1.067	.826	.809
1940	1.029	.856	.802	.780	.777	.736	.819	.830	.900	.822	.934	.889	.848
Mean	.878	.894	.812	.778	.763	.735	.771	.800	.819	.847	.912	.890	.825

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 115 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	33.4	38.3	36.1	53.1	59.9	79.1	80.6	75.2	73.4	58.7	44.1	36.7	55.7
1932	20.8	30.5	31.1	54.0	64.9	74.3	79.4	74.8	65.1	52.1	36.1	23.5	50.6
1933	35.8	25.7	38.7	51.9	62.1	81.6	79.0	73.4	71.3	53.3	41.5	31.0	53.8
1934	29.6	29.7	37.1	54.9	73.0	79.1	85.6	78.4	61.7	60.3	43.3	25.0	54.3
1935	24.8	33.5	44.1	49.3	56.5	68.3	83.9	76.5	66.5	50.1	35.1	26.9	51.3
1936	10.0	6.2	42.1	49.0	68.1	73.9	86.9	81.6	69.7	51.7	37.1	29.1	50.5
1937	10.6	21.9	35.1	49.8	64.3	72.3	79.8	81.4	68.5	52.3	35.7	26.6	49.9
1938	24.1	28.2	44.7	53.1	61.5	72.9	80.6	78.3	70.1	62.5	38.3	30.3	53.7
1939	32.6	19.8	38.9	51.0	69.5	74.1	80.8	74.4	71.5	54.9	41.1	33.9	53.5
1940	7.8	24.7	35.3	49.4	61.4	73.4	80.5	72.6	68.7	60.7	34.3	30.2	49.9
Mean	22.9	25.8	38.3	51.5	64.1	74.9	81.7	76.7	68.7	55.7	38.7	29.3	52.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 107 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.38	0.03	1.15	1.22	3.26	4.96	2.10	4.43	3.74	2.61	5.07	3.33	32.28
1932	2.80	0.97	0.85	1.79	4.29	4.79	2.84	12.26	1.98	1.36	0.56	0.71	35.20
1933	0.94	0.25	3.25	0.38	0.73	0.25	5.03	1.63	4.72	0.36	0.37	1.39	19.30
1934	0.53	0.87	0.77	0.28	0.60	2.97	0.52	1.11	2.32	1.92	2.68	0.33	14.90
1935	0.22	0.91	1.10	0.80	3.57	5.25	1.11	2.15	2.21	3.14	1.71	0.40	22.57
1936	1.50	0.69	0.84	0.23	4.37	3.28	0.52	2.43	4.54	1.07	0.14	1.12	20.73
1937	1.15	0.22	1.60	1.67	2.45	4.77	5.04	0.97	0.80	1.43	0.26	0.15	20.51
1938	0.68	0.91	0.51	5.19	2.68	2.03	6.84	3.99	4.84	1.52	1.53	0.15	30.87
1939	0.50	1.55	0.89	0.64	1.65	5.42	4.05	2.03	0.41	1.09	0.35	0.62	19.20
1940	0.56	1.17	1.71	3.46	1.26	3.06	1.56	5.00	0.56	2.53	2.24	1.39	24.50
Mean	0.93	0.76	1.27	1.57	2.49	3.68	2.96	3.60	2.61	1.70	1.49	0.96	24.01

## OREGON, MO., UNITED STATES

Lat. 40°0' N. Long. 95°11' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 1,048$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.25	0.85	1.77	3.29	2.60	4.30	2.55	5.85	8.92	4.24	8.37	3.29	46.28
1932	0.60	0.76	1.50	3.97	4.21	5.19	4.20	4.25	2.20	0.99	0.92	1.01	29.80
1933	0.50	0.21	3.09	3.81	4.38	4.79	3.36	7.84	8.50	0.83	0.52	1.66	39.49
1934	0.53	1.07	0.27	1.27	1.67	2.24	0.55	1.86	7.43	1.63	5.91	0.53	24.96
1935	0.85	1.16	0.93	4.51	8.20	6.79	0.46	1.68	5.04	3.20	2.86	0.40	36.08
1936	2.79	0.45	0.14	2.47	7.10	1.75	0.53	1.73	9.05	2.03	0.19	2.23	30.46
1937	2.23	1.14	1.86	3.82	4.21	1.84	7.20	2.27	0.62	1.01	1.52	1.23	28.95
1938	1.19	0.67	2.16	3.40	7.67	4.59	2.32	3.19	0.55	0.34	2.25	0.43	28.76
1939	1.04	1.40	1.70	3.84	2.33	7.19	1.86	2.35	0.50	0.13	2.07	0.89	24.80
1940	1.75	1.83	1.97	2.78	2.88	4.57	3.16	4.48	0.69	0.86	2.26	1.42	28.85
Mean	1.17	0.95	1.54	3.32	4.52	4.32	2.57	3.55	4.35	1.53	2.69	1.31	31.82

## PEORIA, UNITED STATES

Lat. 40°43' N. Long. 89°36' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 4$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.48	0.83	2.50	2.23	5.14	2.29	5.91	2.49	4.92	3.15	5.55	2.26	37.75
1932	2.51	1.40	2.51	1.99	3.61	4.75	3.41	3.14	1.78	3.18	0.94	4.46	33.68
1933	1.69	1.33	4.70	3.05	7.97	1.15	1.93	2.66	5.92	2.23	0.26	1.18	34.07
1934	1.05	0.77	1.76	1.13	0.47	2.82	5.44	2.30	6.57	1.97	4.81	1.34	30.43
1935	1.93	2.83	3.32	2.91	8.58	6.62	2.64	0.98	3.33	1.59	4.03	1.39	40.15
1936	1.79	1.63	1.80	1.64	1.72	0.45	1.24	2.27	10.58	3.35	1.18	3.26	30.91
1937	2.86	2.46	1.02	4.42	3.22	4.87	2.32	1.55	1.14	2.69	1.28	2.06	29.89
1938	4.32	2.21	4.42	3.80	5.72	6.76	6.34	3.01	2.12	0.84	1.65	1.43	42.62
1939	3.40	2.88	3.24	5.16	4.48	5.53	4.80	2.38	0.85	3.80	1.14	0.61	38.27
1940	0.84	0.86	2.10	3.85	3.55	3.30	0.50	3.29	1.16	3.13	1.89	1.67	26.14
Mean	2.09	1.72	2.74	3.02	4.45	3.85	3.45	2.41	3.84	2.59	2.27	1.97	34.39

## PHILADELPHIA, UNITED STATES

Lat. 39°57' N. Long. 75°9' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 114$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.17	1.92	3.97	2.05	4.44	3.75	7.99	6.00	1.60	2.61	1.00	1.78	39.28
1932	4.69	1.58	7.43	2.37	3.81	3.39	2.25	3.07	1.05	4.30	7.45	3.13	44.52
1933	2.66	3.19	4.86	5.26	6.93	4.78	4.70	9.84	4.17	1.39	1.07	2.52	51.37
1934	2.91	2.75	2.92	3.11	3.92	3.22	2.18	4.29	6.27	1.54	2.64	2.61	38.36
1935	4.21	3.12	2.11	2.12	2.21	6.25	5.07	3.34	8.36	3.95	4.07	1.55	46.36
1936	6.44	3.46	4.02	2.25	1.67	3.96	2.60	3.30	3.72	1.76	0.69	4.83	35.70
1937	5.71	1.60	2.98	4.88	2.62	3.51	1.16	4.10	1.55	5.24	3.44	1.05	37.40
1938	2.32	2.54	1.83	1.92	2.86	10.06	0.52	4.10	7.35	2.09	3.11	2.22	46.92
1939	4.46	6.12	4.32	6.40	1.91	4.45	2.19	6.90	1.91	4.30	1.26	1.18	45.40
1940	0.96	2.90	4.10	6.06	4.89	2.52	1.82	7.87	4.58	2.38	4.24	2.53	44.85
Mean	3.65	2.92	3.85	3.59	3.53	4.69	3.65	5.28	4.06	2.96	2.90	2.34	43.32



PHOENIX, UNITED STATES

Lat. 33°28'N. Long 112°0' W. H<sub>b</sub> = 1,108 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(6^h + 18^h)$ , 105th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.876	.775	.795	.700	.656	.642	.580	.718	.644	.749	.798	.867	.733
1932	.882	.811	.773	.692	.654	.578	.640	.604	.658	.725	.855	.867	.728
1933	.844	.883	.777	.700	.668	.654	.622	.630	.607	.754	.877	.929	.745
1934	.915	.861	.797	.692	.648	.622	.661	.699	.661	.766	.822	.900	.754
1935	.888	.888	.785	.689	.640	.594	.659	.662	.674	.751	.841	.857	.744
1936	.846	.794	.716	.733	.633	.604	.635	.668	.644	.741	.896	.859	.731
1937	.846	.845	.763	.710	.620	.635	.659	.664	.679	.723	.822	.852	.735
1938	.882	.867	.774	.720	.655	.613	.687	.676	.688	.755	.875	.875	.756
1939	.856	.853	.799	.729	.643	.621	.662	.664	.715	.768	.859	.904	.766
1940	.859	.839	.738	.708	.653	.607	.680	.672	.679	.756	.839	.816	.737
Mean	.869	.842	.772	.707	.647	.617	.643	.666	.665	.749	.848	.873	.742

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 10 ft.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.5	57.5	62.7	72.3	80.5	87.0	94.9	88.9	85.7	72.5	56.6	49.1	71.7
1932	46.6	56.5	61.8	69.1	77.3	85.0	91.5	91.7	86.8	71.2	62.4	48.7	70.7
1933	48.2	49.3	61.8	64.6	72.6	87.6	94.7	92.0	86.6	76.5	62.1	54.0	70.8
1934	54.1	60.5	69.9	74.7	83.2	83.8	93.7	89.6	84.6	75.2	60.8	55.4	73.8
1935	53.4	57.6	57.5	69.3	74.1	89.2	91.7	88.0	84.4	72.3	56.6	53.7	70.6
1936	52.4	56.1	64.5	73.0	81.7	90.3	92.9	90.7	83.4	72.9	61.2	52.6	72.6
1937	42.8	54.4	59.8	67.5	78.6	85.3	91.5	91.8	86.7	74.5	61.7	56.3	70.9
1938	54.6	56.1	59.3	68.9	76.1	85.8	89.9	89.5	86.6	71.3	55.4	55.3	70.7
1939	52.0	48.3	62.3	71.1	78.8	85.9	92.1	89.8	82.2	70.5	63.7	57.0	71.1
1940	55.2	56.5	64.7	69.9	81.5	88.9	91.2	90.6	85.0	73.2	58.3	56.2	72.6
Mean	51.2	55.3	62.4	70.0	78.4	86.9	92.4	90.3	85.2	73.0	59.9	53.8	71.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 81 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.02	3.71	0.07	0.40	T	0.02	0.02	1.70	0.23	0.22	3.18	0.75	10.32
1932	0.10	2.12	0.05	0.05	0.00	0.23	0.11	0.10	0.34	1.73	0.00	1.84	6.67
1933	2.31	0.15	0.00	1.11	T	0.23	0.30	0.38	1.62	0.38	0.62	T	7.10
1934	0.40	0.99	0.10	0.07	0.10	0.03	0.11	1.07	0.66	0.00	0.63	1.71	5.87
1935	0.95	3.18	1.39	0.09	0.14	0.00	0.93	1.27	1.30	0.13	0.56	0.39	10.33
1936	0.80	1.01	0.50	0.14	T	T	2.49	0.32	0.43	0.13	0.35	2.12	8.29
1937	0.83	0.76	1.58	T	0.08	T	0.49	0.05	1.17	T	0.00	0.41	5.37
1938	0.52	0.55	0.89	T	T	0.28	0.25	1.11	T	T	T	1.14	4.74
1939	0.18	0.89	0.15	0.17	0.00	0.00	0.71	0.84	5.41	0.02	0.75	T	9.12
1940	0.04	0.61	T	0.09	0.01	T	0.66	0.48	1.43	1.30	0.11	3.75	8.48
Mean	0.61	1.40	0.47	0.21	0.03	0.08	0.81	0.73	1.26	0.39	0.62	1.21	6.63

## PORTLAND, OREG., UNITED STATES

Lat. 45°32'N. Long. 122°41' W. H<sub>s</sub> = 153 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h+17^h)$ , 120th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.905	.923	.974	.899	.892	.842	.831	.893	.839	.890	.925	.753	.880
1932	.973	.934	.940	.836	.912	.854	.875	.829	.928	.952	.927	.996	.913
1933	.777	1.055	.888	.938	.870	.870	.876	.818	.783	.882	1.120	.755	.886
1934	1.057	.922	.957	.886	.858	.862	.885	.882	.873	.850	.808	.996	.903
1935	.825	.995	.852	.832	.929	.872	.869	.840	.817	.950	1.045	.916	.895
1936	.841	.795	.954	.926	.844	.808	.848	.852	.872	.948	1.133	.877	.892
1937	.930	.809	.796	.897	.888	.817	.901	.892	.876	.868	.815	.907	.866
1938	.975	.747	.762	.900	.928	.882	.863	.907	.843	.852	1.038	1.028	.894
1939	.945	.992	.931	.974	.887	.893	.865	.834	.853	.943	.994	.857	.914
1940	.874	.758	.848	.897	.862	.891	.869	.862	.792	.820	.985	.785	.854
Mean	.910	.893	.890	.899	.887	.859	.868	.861	.848	.895	.979	.887	.890

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 6S ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	44.2	44.5	48.1	54.9	62.1	62.9	69.5	68.7	62.0	54.9	43.5	39.9	54.6
1932	39.3	40.9	47.3	52.5	57.0	65.1	65.2	67.5	64.8	56.3	48.8	37.8	53.5
1933	39.3	37.7	46.3	50.9	53.3	61.6	67.4	69.1	58.8	56.3	46.0	46.3	52.8
1934	46.4	48.9	54.5	59.1	60.8	63.3	66.4	69.0	62.0	56.5	49.8	43.8	56.7
1935	39.9	45.7	43.3	51.0	57.2	63.7	67.2	67.9	66.4	52.4	41.9	41.9	53.2
1936	43.7	33.4	44.6	54.9	60.6	64.5	67.2	69.0	62.6	57.7	45.1	43.5	53.9
1937	29.4	41.3	49.0	49.3	57.8	64.7	67.8	66.3	63.0	58.3	49.1	43.7	53.3
1938	40.9	42.9	46.3	53.7	58.8	64.2	70.4	65.7	66.7	56.3	44.3	43.3	54.5
1939	43.3	40.3	48.7	55.3	60.0	60.6	68.8	69.5	64.6	55.7	49.5	46.1	55.2
1940	41.7	46.7	51.1	54.6	62.0	66.8	68.4	69.9	64.8	57.7	43.7	43.7	55.9
Mean	40.8	42.2	47.9	53.6	59.0	63.7	67.8	68.3	63.6	56.2	46.2	43.0	54.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 63 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	4.30	2.40	8.12	2.40	1.09	3.13	T	0.04	2.10	4.32	6.38	8.40	42.68
1932	5.63	2.58	6.08	3.57	1.50	0.07	0.48	0.45	0.11	3.76	7.88	7.87	39.93
1933	7.94	4.26	5.10	0.95	3.59	2.60	T	0.86	2.97	4.59	2.54	17.45	52.85
1934	6.02	1.40	5.18	2.46	1.60	0.96	0.11	0.33	1.32	5.30	10.47	10.83	45.98
1935	3.45	3.17	5.28	2.48	0.61	0.50	0.28	0.20	0.86	3.20	3.27	5.89	29.19
1936	8.55	4.73	3.10	0.80	3.72	2.43	0.40	0.07	1.41	0.44	0.36	8.28	34.29
1937	6.02	6.34	2.81	6.22	1.06	3.88	0.20	1.41	2.06	2.91	10.08	13.86	56.85
1938	5.06	7.83	6.42	2.02	0.65	0.45	0.25	0.35	1.38	2.87	4.83	4.16	36.27
1939	4.69	5.26	2.29	0.55	1.08	1.73	0.79	1.52	0.60	2.14	1.73	8.37	30.75
1940	2.36	10.82	5.12	2.76	1.57	0.06	0.39	0.07	3.56	4.26	4.82	5.03	40.82
Mean	5.40	4.88	4.95	2.42	1.65	1.58	0.29	0.53	1.64	3.38	5.24	9.01	40.97

## PORTSMOUTH, OHIO, UNITED STATES

Lat. 38°43' N. Long. 82°58' W.

TOTAL PRECIPITATION IN INCHES.  $h_r = 527$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.26	2.14	3.63	7.76	2.94	4.03	6.02	4.81	1.85	2.67	2.25	4.18	43.54
1932	6.24	2.37	4.25	3.11	0.27	4.37	8.17	1.99	1.88	2.77	2.91	2.50	40.83
1933	5.27	2.99	4.34	4.20	7.12	3.87	3.57	4.58	4.57	1.28	1.11	6.84	49.74
1934	1.56	1.05	3.75	1.43	1.27	1.46	3.85	2.90	2.54	0.25	1.52	1.67	23.25
1935	3.50	1.73	7.10	3.37	7.16	5.29	6.03	6.29	3.15	3.25	2.68	2.85	52.40
1936	2.84	1.82	4.68	3.48	0.86	0.44	5.04	6.61	2.20	3.03	3.64	3.27	37.91
1937	12.50	3.75	1.21	2.67	2.19	5.14	2.14	4.02	0.99	3.20	0.94	2.27	41.02
1938	2.42	2.56	5.11	3.41	4.39	3.65	11.32	1.99	5.34	0.16	3.22	1.06	44.63
1939	4.50	7.07	6.84	8.28	3.30	3.97	3.87	2.97	0.95	2.05	1.50	1.06	46.36
1940	1.68	4.88	4.75	4.10	5.60	4.69	1.75	4.16	2.79	0.38	3.46	3.32	41.56
Mean	4.18	3.04	4.57	4.18	3.51	3.69	5.18	4.03	2.63	1.90	2.32	2.90	42.12

## RED BLUFF,\* UNITED STATES

Lat. 40°10' N. Long. 122°15' W. H<sub>b</sub> = 330 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h + 17^h)$ , 120th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.775	.663	.752	.584	.549	.534	.398	.517	.523	.618	.697	.675	.607
1932	.792	.701	.738	.644	.575	.468	.490	.447	.511	.653	.753	.803	.631
1933	.684	.855	.706	.596	.630	.545	.451	.464	.493	.582	.803	.762	.631
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 5 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	46.8	52.1	57.3	63.8	73.8	74.0	86.0	81.4	71.0	62.2	50.8	43.2	63.5
1932	44.4	47.9	56.7	56.8	67.0	77.9	80.0	79.8	78.7	65.2	57.0	41.2	62.7
1933	42.3	45.8	54.0	60.8	62.4	74.7	85.8	82.1	71.3	70.0	56.0	44.6	62.5
1934	50.0	51.6	62.3	65.0	68.2	73.2	79.7	81.6	76.6	63.8	52.8	48.2	64.4
1935	44.0	49.7	47.9	56.4	67.2	77.7	78.8	81.9	76.6	62.0	52.6	48.8	62.0
1936	48.6	47.3	56.8	60.7	67.4	72.8	82.1	82.2	77.2	69.4	60.3	46.6	64.3
1937	33.7	43.7	51.3	55.2	68.6	72.6	83.7	81.6	74.3	64.0	53.8	51.6	61.2
1938	48.8	46.8	47.7	57.3	67.8	78.2	82.6	79.8	75.7	61.2	52.6	50.8	62.4
1939	47.6	45.2	54.9	64.6	67.0	74.5	82.2	81.7	74.2	65.8	58.6	49.5	63.8
1940	47.1	49.4	55.7	59.4	70.2	80.6	79.3	81.3	69.2	63.2	52.9	50.8	63.3
Mean	45.3	48.0	54.5	60.0	68.0	75.6	82.0	81.3	74.5	64.7	54.7	47.5	63.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6.20	1.60	0.38	0.24	1.00	0.99	0.00	T	0.09	0.57	1.93	7.95	20.95
1932	1.78	0.58	0.92	2.29	2.07	0.04	0.00	0.00	0.00	0.06	0.49	2.92	11.15
1933	4.09	0.97	2.02	0.22	0.86	0.26	0.01	0.00	0.08	1.48	0.00	8.33	18.32
1934	5.30	5.22	1.82	4.91	0.67	0.74	T	T	0.05	2.96	8.34	3.42	33.43
1935	8.25	6.03	2.58	7.93	0.66	0.02	T	T	0.27	1.88	0.53	6.28	34.48
1936	12.50	9.56	1.34	4.76	0.72	1.69	0.42	T	0.04	0.09	T	5.61	36.73
1937	2.72	8.44	9.08	2.70	0.12	2.87	T	0.00	0.02	3.86	13.12	8.48	51.41
1938	6.81	10.28	12.27	2.99	0.53	T	0.00	0.00	1.39	3.68	1.63	4.02	43.60
1939	3.88	1.60	3.67	0.11	4.23	0.04	0.96	0.00	0.92	0.74	0.16	9.07	25.43
1940	16.16	14.57	9.57	2.82	1.12	0.31	0.00	0.00	0.53	3.15	1.65	17.97	67.85
Mean	6.77	5.88	4.37	2.90	1.20	0.70	0.14	0.00	0.34	1.85	2.78	7.40	34.33

\* See NORES, p. 44.

## SACRAMENTO, UNITED STATES

Lat. 38°35' N. Long. 121°21' W. H = 100 ft.

TEMPERATURE IN DEGREES F.\*

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	47.4	53.4	57.7	63.5	69.6	69.8	79.5	74.6	67.6	62.0	50.6	45.2	61.7
1932	44.0	48.6	57.1	56.8	64.2	71.6	73.4	73.4	74.6	64.1	59.0	41.5	60.7
1933	42.0	47.2	54.4	58.2	59.6	68.6	77.6	75.4	68.3	68.4	56.4	45.6	60.1
1934	47.8	53.1	61.5	64.4	68.2	71.4	75.2	75.4	72.5	64.6	55.2	47.8	63.1
1935	46.4	50.0	50.4	58.6	63.9	74.2	74.4	76.4	71.0	62.4	50.8	47.7	60.5
1936	50.0	50.5	56.3	60.2	66.6	72.4	78.3	77.0	74.0	66.0	55.0	45.2	62.6
1937	38.7	48.2	55.4	57.8	66.7	71.4	76.8	77.0	71.6	65.4	55.6	49.0	61.1
1938	45.3	50.3	52.1	58.0	66.2	71.7	75.4	74.2	73.1	62.2	52.0	47.7	60.7
1939	46.5	47.9	54.0	64.3	66.7	72.6	75.8	75.0	73.1	64.5	56.0	49.8	62.2
1940	48.8	53.1	56.7	60.2	66.8	75.0	74.9	74.2	69.4	64.7	52.4	50.6	62.2
Mean	45.7	50.2	55.6	60.2	65.8	71.9	76.1	75.3	71.5	64.4	54.3	47.0	61.5

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.50	1.35	1.14	0.05	0.67	0.29	T	T	T	0.18	1.30	6.84	14.32
1932	1.09	1.76	0.34	0.76	0.30	T	T	0.00	0.00	0.00	0.36	2.11	6.72
1933	2.85	0.95	1.44	0.03	0.30	0.08	T	0.00	0.03	0.66	0.00	5.74	12.08
1934	1.33	2.97	0.13	0.16	0.26	0.30	0.00	T	0.01	0.45	2.61	2.50	10.72
1935	4.81	1.97	2.93	5.81	0.01	0.00	T	T	T	1.22	0.77	2.18	19.70
1936	3.80	8.59	1.33	1.69	0.68	0.27	T	0.00	T	0.35	0.03	2.62	19.36
1937	2.92	6.18	6.37	1.10	0.01	0.18	T	0.00	0.00	0.87	2.69	4.06	24.38
1938	3.50	8.24	3.92	1.51	0.04	T	T	0.00	0.30	1.29	0.88	0.71	20.39
1939	1.91	1.06	2.42	0.25	0.92	T	T	0.00	0.35	0.45	0.07	1.15	8.58
1940	7.98	9.25	4.22	0.68	0.92	T	0.00	0.00	0.01	0.93	1.32	9.40	34.71
Mean	3.27	4.23	2.42	1.20	0.41	0.11	0.00	0.00	0.07	0.64	1.00	3.73	17.10

\* See NOTES, p. 44.

## ST. LOUIS, UNITED STATES

Lat. 38°38' N. Long. 90°12' W. H<sub>n</sub> = 568 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(7^h + 19^h)$ , 90th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.494	.478	.373	.452	.327	.374	.335	.431	.404	.456	.493	.485	.425
1932	.480	.422	.374	.354	.423	.280	.353	.379	.468	.386	.562	.525	.418
1933	.386	.492	.401	.268	.282	.383	.377	.389	.321	.484	.465	.485	.394
1934	.526	.602	.522	.368	.396	.291	.339	.381	.398	.468	.427	.527	.437
1935	.568	.485	.361	.334	.383	.317	.396	.379	.425	.532	.508	.545	.436
1936	.456	.476	.284	.433	.436	.315	.331	.359	.384	.457	.561	.551	.420
1937	.525	.432	.483	.280	.364	.342	.379	.405	.446	.418	.516	.544	.423
1938	.436	.554	.307	.385	.298	.395	.355	.404	.400	.490	.451	.467	.412
1939	.390	.450	.440	.358	.340	.335	.364	.363	.398	.430	.667	.399	.411
1940	.579	.416	.374	.334	.318	.335	.451	.401	.488	.454	.537	.489	.431
Mean	.484	.481	.392	.357	.357	.338	.368	.389	.413	.457	.519	.502	.421

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 265 ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	37.6	41.4	40.2	57.0	62.7	79.4	82.0	77.0	76.5	62.4	54.5	45.0	59.6
1932	39.6	44.3	38.4	57.7	67.9	77.4	81.4	77.6	69.2	56.9	40.7	34.0	57.1
1933	43.4	34.8	44.4	55.2	67.1	81.5	81.0	77.6	77.0	56.9	45.7	40.0	58.7
1934	37.6	31.1	40.4	56.7	71.1	82.4	87.0	79.8	66.2	62.7	50.1	33.2	53.2
1935	33.9	38.2	50.8	52.1	61.3	71.3	82.0	78.4	71.0	58.1	43.1	30.1	55.9
1936	25.2	24.1	48.8	52.1	71.1	77.0	87.2	85.4	73.8	58.3	43.1	39.2	57.1
1937	30.5	33.3	41.0	54.7	67.1	75.2	79.6	82.1	69.9	56.5	41.8	31.8	55.3
1938	33.2	41.9	53.3	57.5	65.7	74.0	81.4	81.6	73.6	65.0	47.9	36.2	59.3
1939	40.2	34.1	47.8	52.8	69.1	76.0	80.4	76.2	76.5	62.1	45.1	39.2	58.3
1940	17.0	33.7	43.2	54.3	63.9	76.0	80.0	78.2	71.4	65.1	43.9	39.7	55.5
Mean	33.8	35.7	44.8	55.0	66.7	77.0	82.2	79.4	72.5	60.4	45.6	36.8	57.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 258 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.40	1.77	2.39	3.23	3.61	1.98	4.06	3.46	5.66	2.90	4.65	3.28	37.39
1932	2.50	1.59	1.33	3.19	2.09	2.45	5.30	8.68	2.15	4.23	2.08	2.37	38.01
1933	2.18	0.96	4.91	3.84	8.59	0.15	4.63	0.60	2.60	2.97	1.64	1.70	34.77
1934	1.72	1.26	2.96	2.40	0.54	3.25	1.22	3.14	5.86	2.23	2.66	1.95	29.19
1935	2.76	1.27	6.43	2.50	7.35	4.37	3.13	1.82	3.35	2.56	2.71	1.11	39.36
1936	1.32	1.97	1.67	2.80	0.85	3.07	0.60	0.85	5.94	2.79	2.20	2.08	26.14
1937	5.21	1.52	1.75	6.03	2.65	5.84	0.67	1.57	2.02	3.51	1.19	3.91	35.87
1938	1.31	3.51	9.52	3.34	5.97	4.50	3.64	1.15	1.01	1.17	4.04	2.06	41.22
1939	4.08	3.22	3.35	5.85	2.64	3.24	2.07	10.06	1.01	0.77	2.43	1.43	40.15
1940	1.33	1.39	1.50	3.86	1.46	2.66	0.78	4.11	0.03	1.44	3.23	3.21	25.00
Mean	2.28	1.85	3.58	3.70	3.53	3.15	2.61	3.54	2.96	2.46	2.68	2.31	34.71

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	19.8	18.9	15.6	18.0	13.5	14.8	13.4	16.8	15.9	18.0	19.5	19.4	20.4
1932	19.4	17.2	15.8	14.6	16.7	12.0	14.1	15.0	18.3	15.7	22.2	21.0	16.8
1933	16.1	19.9	16.6	11.7	11.9	11.7	14.9	15.4	13.1	19.0	18.7	19.5	16.0
1934	21.1	23.8	20.8	15.1	15.7	12.0	13.5	15.1	15.9	18.4	17.3	21.1	17.5
1935	22.5	19.6	15.0	14.1	15.5	13.0	15.5	15.0	16.7	20.7	20.3	21.8	17.5
1936	18.9	19.6	12.4	17.5	17.1	12.8	13.3	14.3	15.2	18.1	22.2	21.8	16.9
1937	21.1	17.8	19.4	12.2	14.7	13.8	15.0	15.8	17.5	16.8	20.6	21.7	17.2
1938	18.0	21.8	18.1	15.6	12.5	15.8	14.1	15.8	15.8	19.1	18.2	19.0	16.6
1939	16.2	18.4	17.9	14.9	13.8	13.5	14.5	14.6	15.8	17.1	25.9	16.7	18.6
1940	23.5	17.3	15.8	14.0	13.3	13.6	17.4	15.8	19.0	18.0	21.4	19.8	17.4
Mean	19.6	19.5	16.2	14.8	14.5	13.7	14.6	15.3	16.3	18.1	20.6	20.2	16.9

## ST. PAUL,\* UNITED STATES

Lat. 44°58' N. Long. 93°3' W. H<sub>b</sub> = 837 ft.PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}$ (7<sup>h</sup>+19<sup>h</sup>), 90th meridian W.  
28 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.064	1.153	1.173	1.121	.989	1.002	.996	1.118	1.010	1.053	1.065	1.129	1.073
1932	1.086	1.070	1.066	1.103	1.059	.979	1.009	1.036	1.168	1.037	1.152	1.111	1.073
1933	.928	1.077	1.122	.998	.960	.998	*.969	1.044	.880	1.021	.997	1.078	1.006
1934	1.034	1.193	1.102	.921	.931	.891	.964	1.014	.984	1.013	.994	1.074	1.010
1935	1.130	1.090	.920	1.028	1.074	.893	.974	.978	.998	1.078	1.085	1.098	1.029
1936	1.046	1.070	.844	1.054	1.004	.972	.956	.983	.993	1.024	1.088	1.042	1.008
1937	1.059	.934	1.123	.883	.959	.935	.939	.977	1.022	1.003	1.008	1.066	.992
1938	1.009	1.162	.865	.938	.882	.969	.943	.958	1.026	1.011	.968	.991	.977
1939	.929	.992	1.035	.941	.900	.882	.965	.956	.982	.940	1.214	.944	.973
1940	1.130	1.066	1.028	.995	.930	.890	1.026	1.031	1.081	1.004	1.060	1.058	1.025
Mean	1.042	1.081	1.028	.998	.969	.941	.974	1.010	1.014	1.018	1.063	1.059	1.016

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 114 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.5	31.7	31.8	49.5	56.5	73.4	76.4	70.4	68.0	53.8	40.4	30.1	50.6
1932	18.2	19.7	22.6	46.5	59.3	72.2	74.8	72.1	60.8	46.0	30.7	16.9	45.0
1933	23.2	14.1	31.4	45.1	59.4	77.8	*77.2	70.7	67.2	47.0	30.8	17.3	46.8
1934	21.4	18.9	29.2	45.9	69.0	78.0	76.4	70.0	57.0	53.6	38.9	15.3	47.4
1935	11.2	25.8	34.2	43.9	55.2	64.3	80.0	72.5	62.0	48.2	28.7	17.9	45.3
1936	4.0	0.3	30.1	39.7	64.5	66.4	81.6	74.6	66.5	46.0	30.2	22.9	43.9
1937	5.6	13.7	27.2	44.4	60.1	67.2	77.2	77.6	63.3	46.3	32.0	18.2	44.4
1938	13.7	22.1	38.2	45.9	57.1	67.9	73.6	73.7	62.0	55.0	31.6	20.7	46.8
1939	19.8	9.5	29.6	42.3	64.3	68.6	74.8	71.1	64.0	47.1	37.7	27.9	46.4
1940	6.7	19.7	24.4	43.5	56.3	68.0	76.0	68.7	65.1	53.6	27.9	22.3	44.4
Mean	14.9	17.5	29.9	44.7	60.2	69.9	76.8	72.1	63.6	49.7	32.9	20.9	46.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 107 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.13	0.72	1.56	1.47	1.08	4.07	1.54	3.45	2.56	2.31	2.94	0.77	22.60
1932	1.94	0.96	1.45	2.39	2.11	2.20	3.86	2.76	0.72	1.08	2.29	1.80	23.56
1933	1.28	0.87	2.15	1.32	7.75	0.92	*2.16	1.09	3.44	1.26	0.57	0.71	23.52
1934	0.68	0.17	0.68	1.57	0.21	2.30	1.40	1.61	4.86	5.64	2.38	1.23	22.73
1935	1.44	0.21	1.63	2.32	3.81	4.82	2.59	3.02	1.98	3.95	0.69	1.04	27.50
1936	0.77	1.55	2.66	1.48	2.25	2.29	0.11	3.48	0.78	0.66	0.66	1.78	18.47
1937	1.24	0.48	1.07	2.62	5.42	3.11	0.48	4.10	1.67	1.36	0.51	0.53	22.59
1938	0.87	0.62	2.11	3.27	6.97	2.96	3.36	3.45	3.24	0.84	1.29	0.77	29.75
1939	1.06	0.88	0.61	2.19	3.55	4.95	2.75	3.65	2.31	1.56	0.02	0.97	24.50
1940	0.37	0.91	2.16	1.21	1.64	7.10	2.46	4.54	0.41	1.57	5.15	1.02	28.54
Mean	0.98	0.74	1.61	1.98	3.48	3.47	2.07	3.11	2.20	2.02	1.65	1.06	24.38

\* Changed to Minneapolis, Minn., beginning July 1933.

## SALT LAKE CITY, UNITED STATES

Lat. 40°46' N. Long. 111°54' W. H<sub>b</sub> = 4,360 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h+18^h)$ , 105th meridian W.  
25 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.778	.643	.681	.600	.609	.543	.578	.667	.578	.649	.634	.655	.635
1932	.653	.637	.637	.550	.549	.560	.600	.572	.687	.671	.768	.668	.629
1933	.567	.697	.628	.539	.619	.544	.606	.619	.541	.677	.829	.689	.621
1934	.814	.691	.708	.576	.563	.520	.601	.644	.615	.697	.666	.766	.655
1935	.677	.730	.532	.510	.528	.550	.574	.582	.616	.642	.706	.716	.614
1936	.616	.464	.555	.594	.562	.547	.607	.626	.604	.667	.851	.618	.609
1937	.517	.588	.557	.544	.530	.573	.614	.610	.631	.669	.663	.675	.598
1938	.900	.606	.497	.552	.553	.540	.647	.614	.654	.632	.733	.723	.638
1939	.643	.589	.615	.603	.532	.537	.611	.618	.637	.663	.773	.717	.628
1940	.667	.588	.580	.553	.576	.578	.602	.614	.621	.654	.710	.652	.616
Mean	.683	.623	.599	.562	.552	.549	.604	.617	.618	.662	.733	.688	.624

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 163 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.8	33.7	41.3	52.2	60.5	74.8	81.8	77.4	66.0	56.7	35.8	27.6	52.6
1932	23.6	32.6	39.8	50.9	60.5	69.0	77.7	76.2	67.2	51.2	44.6	22.9	51.4
1933	28.7	21.6	40.7	47.3	53.8	76.8	82.3	74.8	68.2	58.9	42.8	39.4	52.9
1934	34.7	42.7	50.5	58.5	68.9	69.6	80.7	78.6	64.0	56.3	43.8	32.9	56.8
1935	31.7	36.6	39.8	49.5	55.5	70.2	79.4	76.4	68.2	51.5	35.9	30.4	52.1
1936	28.7	32.1	40.3	53.7	62.5	71.6	79.2	76.3	62.3	52.5	35.8	33.3	52.4
1937	12.9	30.4	40.9	46.9	62.3	68.0	78.6	77.2	67.8	54.5	43.2	36.0	51.6
1938	35.4	36.6	39.9	50.5	55.9	69.0	74.8	74.8	69.1	54.1	32.0	33.8	52.2
1939	32.3	26.1	44.1	54.9	63.3	68.1	79.3	77.6	66.7	53.9	45.6	38.7	54.2
1940	31.7	39.1	46.5	52.9	66.7	75.2	82.0	80.8	67.2	57.5	37.2	34.4	55.9
Mean	28.4	33.1	42.4	51.7	61.0	71.2	79.6	77.0	66.7	54.7	39.7	32.9	53.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 156 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.72	0.61	1.14	1.84	0.58	0.33	0.61	1.07	0.56	0.57	1.95	1.42	11.40
1932	1.27	0.99	1.51	2.04	0.78	1.41	0.52	2.70	T	1.06	0.79	1.81	14.88
1933	2.07	0.99	1.44	1.28	3.25	T	0.18	0.20	0.34	0.66	0.19	0.51	11.11
1934	1.47	2.24	0.96	0.46	0.01	0.82	0.63	1.01	0.40	1.48	2.89	1.87	14.29
1935	0.17	0.75	1.20	2.33	2.70	0.17	0.04	0.80	0.54	0.17	0.71	0.76	10.34
1936	2.02	3.22	1.21	0.85	0.35	1.81	1.44	0.67	0.16	1.69	0.99	1.88	16.29
1937	1.76	1.12	1.18	1.09	1.05	0.14	1.21	0.48	0.83	2.24	0.69	1.27	13.06
1938	0.55	0.89	3.11	1.13	2.04	0.12	0.51	0.23	0.09	1.49	1.48	1.41	13.05
1939	1.28	1.96	1.06	0.92	1.12	1.31	0.11	0.26	0.58	1.42	T	0.66	10.68
1940	3.90	2.32	1.52	2.47	0.01	0.26	0.09	0.02	1.72	2.11	2.70	1.46	18.58
Mean	1.52	1.51	1.43	1.44	1.19	0.64	0.54	0.74	0.52	1.29	1.24	1.31	13.37



## SAN DIEGO, UNITED STATES

Lat. 32°43' N. Long. 117°10' W. H<sub>b</sub> = 87 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h+17^h)$ , 120th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.972	.866	.928	.838	.837	.828	.720	.826	.773	.867	.910	.972	.861
1932	1.018	.918	.936	.878	.871	.787	.813	.766	.806	.848	.930	.976	.879
1933	.946	1.014	.952	.882	.909	.851	.792	.776	.766	.854	.956	1.024	.894
1934	1.014	1.008	.918	.859	.839	.831	.821	.844	.784	.884	.940	.960	.892
1935	.976	.987	.950	.882	.855	.808	.820	.768	.796	.883	.949	.944	.884
1936	.940	.940	.890	.934	.839	.793	.775	.785	.760	.846	.948	.936	.866
1937	.970	.974	.899	.893	.821	.830	.813	.807	.796	.844	.946	.936	.877
1938	.972	.974	.934	.903	.857	.821	.853	.820	.790	.884	.955	.944	.892
1939	.961	1.004	.976	.904	.871	.819	.844	.809	.783	.863	.924	.947	.892
1940	.962	.972	.897	.890	.845	.821	.858	.831	.809	.861	.926	.871	.879
Mean	.973	.966	.928	.886	.854	.818	.811	.803	.786	.863	.938	.951	.882

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 62 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	57.3	59.1	61.9	63.7	66.1	68.4	73.2	73.4	69.4	66.3	56.6	53.2	64.0
1932	51.8	55.5	59.0	60.1	61.7	63.5	65.2	65.6	65.3	62.9	63.6	53.6	60.6
1933	52.4	52.6	57.0	57.7	58.1	61.3	65.0	66.2	62.5	62.1	60.8	54.5	59.2
1934	55.7	58.2	61.8	62.2	64.6	63.7	68.6	68.6	69.4	64.6	60.6	58.5	63.0
1935	55.6	57.3	54.6	59.9	61.5	63.1	67.4	70.0	67.0	63.8	57.4	56.8	61.2
1936	56.2	56.2	57.4	58.1	63.1	65.0	70.2	71.0	67.7	64.7	63.1	57.5	62.5
1937	48.8	54.3	56.6	59.6	62.0	64.6	68.0	68.4	69.1	64.3	59.4	59.6	61.2
1938	58.0	57.1	57.2	59.9	61.5	62.9	66.4	69.1	70.1	63.3	58.6	59.0	61.9
1939	55.2	52.3	55.2	60.9	62.1	64.5	67.7	69.7	72.5	67.5	63.2	60.4	62.6
1940	58.2	57.8	60.3	62.5	64.7	64.9	68.0	68.7	68.4	66.1	60.5	60.2	63.4
Mean	54.9	56.0	53.1	60.5	62.5	64.2	68.0	69.1	68.1	64.6	60.4	57.3	62.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 55 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.72	4.11	0.06	1.38	0.24	0.01	T	0.08	T	0.05	1.95	3.56	15.16
1932	1.45	5.15	0.42	0.50	0.01	0.01	T	0.00	0.00	1.10	0.30	2.40	11.34
1933	4.32	0.02	0.13	1.75	0.53	0.08	0.02	0.01	0.02	0.16	0.03	1.10	8.17
1934	0.30	1.88	0.24	0.01	0.02	0.47	T	0.02	0.18	0.42	1.95	3.38	8.87
1935	2.15	4.54	1.42	1.02	0.02	0.00	T	0.18	0.01	0.05	0.07	0.74	10.20
1936	0.75	5.18	0.92	0.48	T	0.01	0.01	0.28	0.04	1.86	0.44	4.45	14.42
1937	1.52	4.22	2.65	0.13	0.32	0.01	0.16	0.00	T	T	0.02	1.06	10.09
1938	0.89	3.26	3.73	0.44	0.15	0.01	T	0.03	0.00	0.23	0.02	4.25	13.01
1939	2.38	1.23	1.17	0.47	0.01	0.00	T	T	2.58	0.61	1.04	0.48	9.97
1940	1.75	3.56	0.82	0.46	T	T	T	T	0.08	1.50	0.49	6.09	14.75
Mean	1.92	3.32	1.16	0.66	0.13	0.06	0.02	0.06	0.29	0.60	0.63	2.75	11.60

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.2	14.4	16.5	13.5	13.5	13.1	9.5	13.1	11.3	14.5	16.1	13.3	14.3
1932	19.5	16.4	16.8	14.9	14.6	11.7	12.6	11.0	12.4	13.9	16.6	18.4	14.9
1933	17.3	19.7	17.4	15.0	16.0	13.9	11.9	11.4	11.0	14.1	17.5	20.0	15.4
1934	19.6	19.3	16.2	14.2	13.5	13.2	12.9	13.7	11.7	15.0	16.9	17.6	15.3
1935	18.3	18.7	17.5	15.0	14.1	12.3	12.9	11.1	12.1	15.0	17.3	17.2	15.1
1936	17.1	17.1	15.3	16.8	13.5	12.0	11.3	11.7	10.8	13.8	17.2	16.9	14.5
1937	18.3	18.3	15.7	15.4	12.9	13.2	12.6	12.4	12.1	13.7	17.1	16.8	14.9
1938	18.1	18.2	16.8	15.7	14.1	12.9	14.0	12.9	11.9	15.0	17.5	17.1	15.3
1939	17.8	19.4	18.3	15.8	14.6	12.8	13.8	12.6	11.7	14.4	16.5	17.3	15.4
1940	17.8	18.2	15.6	15.4	13.9	13.0	14.3	13.3	12.6	14.4	16.6	14.8	15.0
Mean	18.3	18.0	16.6	15.2	14.1	12.8	12.6	12.3	11.8	14.4	16.9	17.4	15.0

## SAN FRANCISCO, UNITED STATES

Lat. 37°48' N. Long. 122°26' W. H<sub>b</sub> = 155 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h + 17^h)$ , 120th meridian W. .  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.945	.836	.958	.795	.777	.797	.677	.784	.760	.848	.884	.874	.828
1932	.986	.861	.940	.877	.823	.725	.766	.707	.750	.855	.937	.980	.851
1933	.882	1.035	.932	.827	.891	.813	.720	.729	.732	.810	.968	.940	.857
1934	1.050	.922	.920	.843	.810	.745	.798	.799	.738	.855	.928	.989	.866
1935	.902	.978	.888	.799	.792	.760	.772	.723	.756	.869	.925	.913	.839
1936	.918	.810	.840	.887	.807	.761	.721	.738	.709	.805	.968	.892	.821
1937	.910	.894	.823	.913	.791	.805	.760	.763	.775	.824	.902	.904	.839
1938	.951	.834	.872	.887	.827	.739	.800	.779	.776	.834	.964	.942	.850
1939	.942	.989	.926	.885	.829	.771	.794	.776	.752	.853	.916	.936	.864
1940	.858	.878	.864	.859	.802	.752	.812	.781	.770	.837	.940	.762	.826
Mean	.934	.904	.896	.857	.815	.766	.762	.758	.752	.839	.933	.913	.844

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 208 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	51.9	56.0	58.1	58.0	60.9	60.8	61.0	59.2	61.5	58.4	53.5	49.0	57.4
1932	48.9	50.7	56.2	55.0	57.5	58.0	58.4	59.8	61.7	60.8	59.7	47.0	56.1
1933	46.6	50.5	54.5	54.5	54.3	56.4	58.2	58.6	59.9	61.0	59.1	50.1	55.3
1934	51.4	54.9	59.7	58.0	59.7	59.8	58.7	59.7	62.3	60.4	57.6	52.5	57.9
1935	50.4	53.4	51.7	57.7	57.8	60.1	58.9	58.8	59.3	59.6	53.9	52.4	56.2
1936	53.4	52.7	56.5	57.9	60.6	60.5	58.1	58.1	61.7	60.8	57.1	51.2	57.4
1937	43.2	49.2	53.9	53.5	56.3	60.2	58.0	57.7	60.1	62.0	57.3	54.4	55.5
1938	51.0	52.3	51.9	53.9	55.7	56.3	57.5	58.9	59.9	60.2	55.9	53.2	55.6
1939	51.6	50.6	51.9	54.8	56.1	56.6	57.7	59.4	64.9	61.6	58.3	54.9	56.5
1940	52.2	54.7	56.5	56.8	57.1	57.8	58.9	58.8	63.7	60.9	56.1	55.0	57.4
Mean	50.1	52.5	55.1	56.0	57.6	58.6	58.5	58.9	61.5	60.6	56.8	52.0	56.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 202 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5.50	1.10	1.68	0.31	1.10	0.32	T	0.00	T	0.68	2.93	9.24	22.86
1932	3.23	3.00	0.86	0.47	0.65	0.03	T	0.00	0.00	0.01	1.00	2.75	12.00
1933	5.68	1.13	2.93	0.06	1.36	0.01	0.00	T	0.14	1.49	0.00	4.19	16.99
1934	1.03	4.68	0.07	0.51	0.12	0.68	0.01	T	0.13	0.88	3.76	4.06	15.93
1935	6.23	2.38	2.31	3.45	0.01	T	T	0.25	0.08	1.44	1.24	3.25	20.64
1936	5.77	10.06	1.01	1.09	0.49	0.28	0.03	0.02	T	0.69	0.01	2.94	22.39
1937	5.26	4.88	7.05	0.86	0.06	0.59	T	T	T	0.90	2.46	3.73	25.79
1938	2.65	8.49	5.73	1.52	T	0.00	0.01	0.00	0.15	1.33	0.88	1.48	22.24
1939	3.07	1.94	2.62	0.42	0.63	T	T	T	1.06	0.17	0.20	1.05	11.16
1940	9.98	7.81	5.32	0.94	0.63	0.01	T	T	0.59	1.05	2.22	6.25	34.80
Mean	4.84	4.55	2.96	0.96	0.50	0.19	0.01	0.03	0.22	0.86	1.47	3.89	20.43

## SANTA FE, UNITED STATES

Lat. 35°41' N. Long. 105°57' W. H<sub>b</sub> = 7,013 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(6^h + 18^h)$ , 105th meridian W.  
23 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.253	.175	.193	.233	.254	.325	.352	.409	.341	.330	.208	.207	.273
1932	.145	.201	.142	.181	.258	.256	.368	.341	.371	.283	.332	.165	.254
1933	.169	.177	.180	.131	.174	.354	.385	.373	.312	.348	.352	.291	.270
1934	.271	.267	.278	.243	.300	.273	.392	.395	.328	.368	.263	.294	.308
1935	.274	.273	.160	.172	.189	.277	.393	.371	.350	.324	.260	.249	.274
1936	.165	.101	.138	.248	.278	.328	.397	.397	.329	.325	.380	.226	.276
1937	.075	.172	.152	.143	.236	.299	.380	.381	.368	.319	.262	.238	.252
1938	.227	.241	.124	.191	.202	.315	.386	.389	.398	.346	.244	.249	.276
1939	.169	.087	.216	.225	.228	.279	.387	.375	.373	.321	.374	.273	.276
1940	.199	.165	.154	.181	.280	.305	.418	.391	.381	.341	.367	.225	.276
Mean	.195	.186	.174	.195	.240	.301	.386	.382	.355	.330	.294	.242	.273

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 38 ft.Means of  $\frac{1}{2}$ (daily Max. + daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	29.3	35.1	35.8	48.0	55.2	67.6	69.7	66.5	63.2	52.5	36.4	27.0	48.9
1932	22.3	37.2	36.3	48.3	55.8	63.8	69.1	67.7	60.5	47.1	39.3	24.5	47.7
1933	26.6	26.7	41.4	43.0	53.7	66.5	70.1	67.3	65.3	53.4	41.0	36.7	49.3
1934	32.0	39.1	44.0	51.3	61.2	67.2	71.3	69.7	60.2	54.0	39.1	31.8	51.7
1935	34.1	34.0	40.4	47.0	51.1	66.6	70.1	67.1	61.2	51.2	38.0	30.5	49.3
1936	27.6	32.9	40.8	49.4	59.2	69.0	69.7	69.3	59.4	49.7	38.9	31.8	49.8
1937	23.1	32.1	37.3	48.1	59.0	65.5	69.3	70.7	63.7	52.3	41.5	33.4	49.7
1938	31.1	35.1	40.4	48.6	55.8	66.8	68.4	69.7	61.5	52.9	33.5	33.7	49.8
1939	28.2	23.1	40.4	49.4	58.3	67.9	68.9	67.3	63.3	49.9	39.9	36.1	49.4
1940	29.1	31.7	41.8	48.0	58.3	66.1	70.1	66.7	62.3	53.3	37.1	34.5	49.9
Mean	28.3	32.7	39.9	48.1	56.8	66.7	69.7	68.2	62.1	51.6	38.5	32.0	49.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 31 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.25	0.73	1.18	1.98	0.46	0.85	1.00	2.10	4.59	1.10	1.16	0.50	15.90
1932	0.93	0.74	0.41	1.28	1.27	1.82	2.07	3.36	1.97	0.96	T	0.65	15.36
1933	0.73	0.21	0.29	0.80	0.99	2.30	2.00	1.90	1.24	1.16	1.02	0.47	13.11
1934	0.63	0.79	T	0.46	2.67	0.54	1.98	2.35	1.34	0.23	1.47	0.80	13.26
1935	1.11	0.56	0.06	1.02	2.72	0.07	1.89	2.03	0.99	0.58	1.50	0.36	12.89
1936	0.99	0.98	0.63	0.20	1.75	0.42	3.29	1.36	3.33	0.83	T	0.64	14.42
1937	0.53	0.84	0.69	0.49	3.97	3.51	0.71	1.11	2.71	0.65	0.12	0.33	15.66
1938	0.03	1.02	0.81	0.50	0.80	2.70	3.29	1.81	1.48	1.60	1.09	0.46	15.58
1939	1.93	1.08	0.54	1.19	0.53	0.01	2.19	0.94	2.53	1.20	0.74	0.57	13.45
1940	0.77	1.97	1.52	0.49	1.54	1.17	0.72	1.66	2.55	0.50	1.45	2.07	16.41
Mean	0.79	0.89	0.61	0.84	1.67	1.34	1.91	1.88	2.27	0.88	0.86	0.67	14.60

## SEATTLE, UNITED STATES

Lat. 47°38' N. Long. 122°20' W.  $H_b = 125$  ft.

## PRESSURE AT SEA LEVEL

Means of  $\frac{1}{2}(5^h + 17^h)$ , 120th meridian W.  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.4	17.5	19.0	17.9	18.1	15.6	16.4	18.2	15.4	17.2	17.4	11.1	16.7
1932	18.5	17.1	17.2	14.6	18.0	16.6	16.8	15.7	19.6	18.7	16.5	19.0	17.3
1933	11.0	21.4	16.4	19.1	16.0	16.8	18.0	15.5	13.0	16.9	25.0	10.6	16.6
1934	20.9	18.3	19.5	17.7	16.4	16.6	17.6	17.8	17.0	15.5	12.5	18.8	17.4
1935	13.5	20.5	14.4	15.7	18.8	16.8	17.0	16.6	15.8	19.4	21.9	16.6	17.2
1936	14.0	12.0	18.2	18.6	15.9	14.7	16.4	16.5	17.7	20.3	26.1	15.1	17.2
1937	18.3	12.5	14.0	16.2	17.5	15.3	18.5	17.6	17.4	16.7	13.5	16.6	16.2
1938	19.2	11.7	11.9	17.3	18.4	17.4	17.2	18.1	16.6	15.8	20.9	20.2	17.1
1939	17.2	19.2	18.3	19.9	17.4	17.0	18.0	17.0	17.6	19.7	20.3	15.9	18.1
1940	17.1	12.7	16.1	17.7	17.4	18.6	17.3	17.7	14.9	15.1	20.3	13.7	16.5
Mean	16.6	16.4	16.5	17.5	17.4	16.5	17.3	17.1	16.5	17.5	19.5	15.8	17.0

## SPOKANE, UNITED STATES

Lat. 47°40' N. Long. 117°25' W. H<sub>b</sub> = 1,929 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(5^h + 17^h)$ , 120th meridian W.

27 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.072	1.042	1.036	1.008	.950	.909	.910	.960	.913	1.010	1.006	.918	.978
1932	1.008	.961	.979	.899	.938	.905	.908	.891	1.035	1.029	1.004	1.029	.966
1933	.792	1.052	.962	.940	.903	.900	.926	.934	.853	.968	1.200	.824	.938
1934	1.098	1.070	1.034	.960	.922	.870	.916	.961	.961	.989	.915	1.058	.980
1935	.938	1.136	.850	.909	.936	.910	.930	.929	.949	1.038	1.120	1.092	.978
1936	.927	.884	.921	.966	.895	.899	.896	.928	.975	1.056	1.296	.922	.964
1937	1.006	.866	.932	.900	.937	.946	.941	.957	.973	1.012	.962	1.005	.953
1938	1.086	.920	.824	.946	.942	.910	.942	.937	.971	.994	1.082	1.067	.968
1939	.978	.970	.982	1.007	.922	.907	.934	.938	.952	1.022	1.128	1.011	.979
1940	1.073	.891	.930	.954	.956	.939	.921	.952	.928	.966	1.113	.966	.966
Mean	.998	.979	.945	.949	.930	.910	.922	.939	.951	1.008	1.033	.989	.967

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 101 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	34.0	34.2	41.0	48.8	59.4	63.3	72.3	70.8	60.0	48.6	32.9	28.9	49.5
1932	25.7	29.3	37.6	49.5	55.1	65.8	68.6	69.2	60.6	48.4	41.6	26.6	48.2
1933	31.4	22.9	39.6	47.9	51.9	63.4	71.3	69.9	56.2	50.9	38.7	37.5	48.5
1934	37.0	39.0	46.6	56.0	60.6	64.8	70.8	70.6	57.0	50.6	43.2	32.6	52.4
1935	30.9	35.2	37.7	44.7	55.2	61.8	69.7	67.0	63.2	46.2	32.7	31.0	47.9
1936	31.4	17.0	38.1	51.7	61.4	64.9	72.3	70.6	58.5	51.4	31.9	32.7	48.5
1937	9.5	28.2	41.6	46.1	56.7	62.7	71.9	65.8	62.0	51.8	40.0	33.9	47.5
1938	31.1	33.2	40.5	49.3	56.2	66.2	74.5	67.4	67.2	50.4	34.7	32.5	50.3
1939	34.2	27.7	40.6	51.1	58.3	60.2	71.9	72.2	61.5	48.7	39.2	36.7	50.2
1940	29.6	35.5	44.7	50.1	59.9	67.7	72.3	70.2	64.0	52.2	31.8	33.6	51.0
Mean	29.5	30.2	40.8	49.5	57.5	64.1	71.6	69.4	61.0	49.9	36.7	32.6	49.4

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 94 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.50	0.76	1.52	0.53	0.26	0.87	T	0.01	1.05	0.82	2.41	3.88	13.61
1932	1.99	0.82	2.69	0.98	2.74	0.28	0.21	0.27	0.06	1.14	2.59	2.13	15.85
1933	1.16	0.60	1.19	0.28	0.59	1.16	0.17	0.64	1.25	2.72	0.80	4.35	14.91
1934	2.57	0.27	1.53	0.34	0.25	0.84	T	0.19	0.98	3.45	2.01	1.50	13.93
1935	2.06	0.59	0.78	0.92	0.06	0.77	0.68	0.96	0.05	0.96	0.90	1.78	10.51
1936	2.78	1.57	0.68	0.18	0.57	2.33	0.07	0.23	1.64	0.28	0.08	2.39	12.70
1937	1.94	1.49	1.11	2.53	0.23	3.13	0.56	0.61	0.62	0.87	3.05	2.76	18.90
1938	1.44	1.90	2.09	0.35	0.47	0.83	0.26	0.29	0.09	0.83	0.89	1.63	11.07
1939	1.55	2.37	1.20	0.61	0.30	0.71	0.40	0.04	0.23	0.95	0.28	2.83	11.47
1940	1.09	5.62	2.91	1.86	0.64	0.36	1.46	0.01	2.12	2.47	2.37	2.59	23.50
Mean	1.81	1.60	1.56	0.85	0.61	1.13	0.38	0.32	0.81	1.45	1.54	2.58	14.64

## WASHINGTON, D. C., UNITED STATES

Lat. 38°54' N. Long. 77°3' W. H<sub>b</sub> = 112 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^h + 20^h)$ , 75th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.925	.945	.813	.913	.816	.859	.809	.899	.910	.965	1.089	1.022	.914
1932	1.032	.911	.757	.847	.922	.794	.771	.876	.959	.921	1.077	1.070	.911
1933	.935	.947	.871	.850	.839	.830	.897	.850	.830	1.009	.911	1.026	.900
1934	1.024	1.077	1.050	.884	.879	.790	.837	.919	.959	.951	1.018	.992	.948
1935	1.082	.954	.958	.791	.887	.822	.876	.892	.935	1.085	.990	.957	.936
1936	.928	.993	.762	.932	.937	.800	.783	.894	.959	.985	.974	1.139	.924
1937	1.130	.900	.852	.860	.864	.794	.861	.939	.960	.927	.977	1.031	.925
1938	.944	1.094	.895	.923	.832	.878	.865	.883	.901	.983	1.045	.985	.936
1939	.928	.991	.953	.837	.861	.861	.861	.846	.927	.939	1.089	.810	.909
1940	.970	.836	.852	.810	.778	.819	.935	.964	.938	.982	1.025	1.010	.912
Mean	.990	.965	.876	.868	.862	.825	.849	.896	.928	.975	1.019	1.004	.921

TEMPERATURE IN DEGREES F. h<sub>c</sub> = 62 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), corrected to 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	36.9	39.2	41.0	54.3	64.9	73.0	79.1	75.2	73.7	60.9	54.0	44.0	58.0
1932	46.7	42.7	39.7	52.7	64.0	72.9	76.9	77.4	69.9	57.7	44.7	39.4	57.1
1933	42.5	38.2	42.7	55.8	67.0	74.4	75.6	75.6	71.4	56.2	45.0	38.4	56.9
1934	38.9	24.4	40.9	54.0	66.3	76.9	80.3	73.7	70.2	55.9	49.6	37.1	55.7
1935	33.2	35.2	49.9	52.0	61.6	73.1	78.9	76.4	66.6	57.9	50.2	31.9	55.8
1936	30.5	29.4	50.0	52.3	67.2	72.5	77.9	77.5	71.0	59.4	45.0	39.6	56.0
1937	43.7	36.4	41.8	53.5	65.6	74.8	76.7	77.4	65.5	55.0	46.6	36.8	56.2
1938	35.6	40.7	49.5	57.2	63.2	72.5	77.9	78.2	67.0	58.5	49.8	38.2	57.4
1939	37.7	42.1	46.1	53.5	67.8	75.1	75.7	78.4	70.6	58.1	46.0	39.9	57.6
1940	24.8	36.9	40.4	50.9	64.2	74.5	77.0	73.0	66.4	55.4	48.2	42.6	54.5
Mean	37.0	36.5	44.2	53.6	65.2	74.0	77.6	76.3	69.2	57.5	47.9	38.8	56.5

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 42 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.56	1.36	3.50	2.87	4.84	2.12	4.23	5.92	2.79	1.28	1.01	2.03	33.51
1932	4.82	2.46	6.45	2.12	5.07	2.84	2.43	1.36	4.24	7.40	6.43	3.93	49.65
1933	3.25	2.63	3.24	4.67	6.26	3.88	6.71	9.91	2.62	2.56	0.95	2.43	49.11
1934	1.97	3.22	4.18	2.27	3.85	2.87	2.88	5.21	17.45	0.75	3.58	2.91	51.14
1935	5.27	2.37	3.39	3.95	3.54	3.43	2.25	2.40	8.08	2.76	4.03	2.06	43.53
1936	5.87	3.83	4.47	1.98	5.32	2.29	4.07	3.61	1.98	1.70	0.76	5.23	41.11
1937	7.83	3.33	1.50	6.85	4.02	5.23	3.67	6.70	1.76	8.81	3.88	0.71	54.29
1938	2.64	2.37	2.23	1.67	3.51	2.26	5.06	4.64	4.27	1.15	2.60	2.69	35.09
1939	3.41	5.71	2.89	3.78	0.41	4.55	2.01	3.22	6.90	4.06	1.40	2.20	40.54
1940	2.12	2.77	3.42	6.19	3.10	0.86	5.73	5.00	1.34	2.15	5.26	2.27	40.21
Mean	3.87	3.01	3.53	3.64	3.99	3.03	3.90	4.80	5.14	3.26	2.99	2.65	43.81

## YUMA, UNITED STATES

Lat. 32°45' N. Long. 114°36' W.

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 2 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.04	1.13	0.00	0.75	0.00	T	0.21	2.22	0.74	0.09	0.14	0.59	5.91
1932	T	1.06	0.00	T	0.00	T	1.36	T	0.03	3.39	T	0.51	6.35
1933	1.16	0.12	0.00	0.91	0.01	T	T	0.27	0.20	0.78	0.02	0.09	3.56
1934	0.03	0.18	0.18	0.00	0.00	T	T	0.74	T	0.00	0.54	0.65	2.32
1935	0.74	0.66	0.11	0.01	T	0.00	T	0.69	0.84	0.00	0.03	0.30	3.28
1936	0.24	0.18	T	0.00	0.00	T	0.18	0.11	0.02	T	0.42	0.14	1.29
1937	0.14	0.08	1.47	0.00	T	0.09	0.46	T	1.71	0.00	0.00	0.35	4.30
1938	0.07	0.58	0.61	T	0.00	T	0.18	0.25	0.35	T	0.00	0.88	2.92
1939	0.91	0.19	0.01	T	0.00	0.00	0.11	0.12	5.13	T	0.19	0.00	6.66
1940	0.04	0.26	0.21	0.00	0.00	T	T	0.10	0.53	0.41	T	0.79	2.33
Mean	0.34	0.44	0.28	0.17	0.00	0.01	0.25	0.44	0.95	0.47	0.13	0.43	3.89

# NORTH ATLANTIC

## HORTA, AZORES

Lat. 38°32' N. Long. 28°38' W. H = 65 m.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	66.9	71.4	52.2	66.6	65.6	65.4	70.3	65.1	65.8	61.0	64.5	65.8	65.1
1932	64.8	58.5	61.1	69.1	64.9	66.5	70.3	67.9	66.7	69.2	64.9	63.4	65.6
1933	65.2	60.7	63.6	62.0	65.7	70.1	70.1	67.1	65.4	61.8	67.2	66.9	65.5
1934	65.0	70.1	70.4	62.1	68.2	65.0	68.8	68.8	66.5	66.1	62.9	59.7	66.4
1935	68.8	68.8	64.1	62.3	65.2	67.8	70.5	68.7	65.9	70.6	67.2	63.4	66.9
1936	57.3	57.7	61.2	65.3	68.1	68.1	69.3	69.0	62.0	68.7	69.6	67.3	65.3
1937	62.4	61.4	62.0	64.3	66.6	65.4	66.8	67.2	66.7	65.0	58.3	65.8	64.2
1938	68.8	62.2	67.5	60.9	68.5	67.7	70.3	69.3	68.1	67.9	65.6	66.3	66.9
1939	60.4	67.4	66.4	63.7	66.0	67.6	68.6	67.3	62.4	65.8	67.3	62.9	65.5
1940	59.5	57.1	59.1	64.2	63.4	68.8	70.2	67.9	65.6	63.8	67.8	66.3	64.5
Mean	64.2	63.5	62.8	64.1	66.2	67.2	69.5	67.8	65.5	66.0	65.5	64.8	65.6

## TEMPERATURE IN DEGREES C.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.8	15.5	14.5	15.0	17.0	18.0	21.0	22.6	20.7	19.6	17.0	16.3	17.7
1932	15.4	14.6	14.8	15.3	16.4	19.7	20.8	22.6	21.3	19.0	15.9	14.4	17.5
1933	13.8	14.4	14.7	15.1	17.1	19.8	22.7	22.8	21.9	19.1	16.9	15.0	17.8
1934	14.2	13.7	14.7	13.6	16.8	19.3	21.5	23.6	20.5	19.3	16.6	15.3	17.4
1935	14.6	14.6	14.9	15.3	16.6	17.9	20.5	22.1	21.1	19.2	16.6	16.4	17.5
1936	14.3	13.1	13.5	14.2	16.0	18.5	21.3	22.4	21.2	18.6	17.3	14.8	17.1
1937	12.7	14.4	14.0	15.0	16.4	18.6	22.4	23.2	22.3	19.1	15.6	15.2	17.4
1938	15.1	14.1	14.7	15.8	17.5	19.9	22.2	23.6	21.9	20.6	17.7	16.1	18.3
1939	14.7	15.0	14.8	15.5	17.0	20.3	21.8	22.9	20.7	18.0	16.9	15.8	17.7
1940	15.0	13.8	15.1	15.2	15.7	18.6	21.1	21.7	20.9	19.1	17.3	16.0	17.5
Mean	14.5	14.3	14.5	15.0	16.7	19.1	21.5	22.8	21.3	19.2	16.8	15.5	17.6

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	75	45	219	84	50	70	30	31	37	192	151	131	1115
1932	121	297	104	45	76	47	20	21	71	25	119	139	1085
1933	88	103	120	45	41	4	35	36	108	154	130	122	986
1934	111	65	26	110	23	53	25	22	160	90	115	135	935
1935	83	28	52	86	96	33	46	41	55	12	59	82	673
1936	155	122	95	100	28	67	25	87	183	43	59	74	1038
1937	126	45	124	44	48	118	9	25	21	83	146	163	952
1938	56	123	64	46	47	80	20	16	60	55	92	146	805
1939	193	66	208	90	53	19	63	62	75	57	67	138	1091
1940	153	159	102	85	131	57	30	56	188	93	50	146	1250
Mean	116	105	111	74	59	55	30	40	96	80	99	128	993

## PONTA DELGADA,\* AZORES

Lat. 37°44' N. Long. 25°40' W. H<sub>b</sub> = 36.6 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	67.9	72.2	53.9	66.1	65.7	65.7	69.7	65.6	65.6	61.7	64.6	67.2	65.5
1932	66.6	60.0	61.7	69.2	65.5	66.7	69.7	67.4	65.9	69.0	64.6	63.8	65.8
1933	65.8	62.3	65.0	63.3	66.5	69.9	70.2	67.0	65.5	61.6	67.2	67.5	66.9
1934	69.4	69.2	70.0	61.9	67.8	65.7	68.4	68.5	66.6	66.0	63.4	61.7	66.6
1935	68.6	69.9	65.4	63.6	65.6	67.8	70.1	68.6	66.5	70.4	66.5	64.4	67.3
1936	58.4	58.4	60.8	64.7	67.3	67.8	69.4	68.5	63.2	68.8	69.3	68.0	65.4
1937	62.8	62.9	62.8	64.9	66.4	65.2	66.4	66.5	65.6	63.7	57.9	65.8	64.2
1938	70.3	63.4	68.0	61.3	68.6	68.2	69.7	68.9	67.5	68.0	66.1	66.4	67.2
1939	61.9	68.8	66.9	64.2	66.0	67.6	68.5	67.2	62.0	65.2	68.2	63.6	65.8
1940	60.9	58.7	60.5	64.6	63.4	68.7	70.0	67.3	65.9	63.7	68.0	67.4	64.9
Mean	65.3	64.6	63.5	64.4	66.3	67.3	69.2	67.6	65.4	65.8	65.6	65.6	65.9

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.8 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.9	15.1	15.0	14.9	17.0	18.0	20.6	22.2	20.5	19.9	17.4	16.3	17.7
1932	16.0	14.8	14.9	15.0	16.2	19.1	20.4	21.7	20.7	18.8	16.1	14.8	17.4
1933	13.9	14.6	15.3	15.5	16.9	18.8	21.2	22.1	21.3	19.2	16.9	15.0	17.6
1934	14.6	13.3	14.4	13.8	16.0	18.4	20.3	22.2	20.2	19.3	16.3	16.0	17.1
1935	14.6	14.4	15.0	15.6	16.8	17.8	19.9	21.2	21.0	18.8	16.7	16.3	17.3
1936	14.8	13.4	13.5	14.2	15.8	17.4	20.6	21.5	21.4	18.8	16.8	14.8	16.9
1937	12.7	14.7	14.4	15.4	16.7	19.1	22.2	22.7	21.8	18.4	15.6	15.0	17.4
1938	14.7	14.1	14.5	15.8	17.3	20.3	21.8	22.7	21.3	20.2	17.6	15.7	18.0
1939	15.0	15.1	14.7	16.1	17.2	19.8	21.7	22.3	20.5	18.1	16.3	15.9	17.7
1940	14.8	14.1	15.3	15.2	15.9	18.6	21.1	21.8	20.9	19.0	17.7	16.0	17.5
Mean	14.6	14.4	14.7	15.2	16.6	18.7	21.0	22.0	21.0	19.1	16.7	15.6	17.5

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	37	24	129	55	25	48	5	27	43	105	97	102	697
1932	123	105	64	19	54	76	5	36	31	34	106	116	769
1933	84	86	58	76	41	39	18	60	94	365	42	84	1047
1934	69	69	12	97	8	48	16	15	72	129	141	103	779
1935	60	23	36	67	51	39	6	4	54	9	49	84	482
1936	157	107	85	103	16	39	11	22	142	9	38	55	784
1937	125	81	93	100	29	93	27	17	92	142	145	113	1057
1938	35	114	57	44	25	54	99	25	67	51	122	138	831
1939	168	51	55	38	89	11	13	63	117	47	80	149	871
1940	115	172	114	117	121	40	22	52	163	130	80	185	1311
Mean	96	83	70	72	46	49	22	32	88	102	90	113	863

\* See NOTES, p. 44.



## ST. GEORGE (PROSPECT),\* BERMUDA

Lat. 32°23' N. Long 64°41' W. H = 158 ft.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES), 60th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.943	.846	.778	1.005	.937	.940	.976	1.020	.958	.955	1.035	1.032	.952
1932	1.110	.908	.769	.872	.982	.982	.922	.929	.893	.911	.943	1.055	.940
1933	.887	.958	.926	.878	.937	.905	1.044	.955	.931	.875	.920	1.014	.934
1934	1.011	.970	1.076	.937	1.011	.986	1.032	1.029	1.005	.854	.955	.962	.985
1935	.967	1.002	1.042	.825	.937	.973	1.050	.940	.934	.864	.858	.943	.943
1936	.958	.932	.934	1.020	.934	.911	1.014	.991	.973	.976	.991	1.082	.976
1937	1.203	.872	.864	.946	.941	.961	1.061	1.073	.884	.931	.946	.937	.970
1938	.962	1.058	1.002	1.032	.949	1.088	1.094	.999	.967	.867	1.053	.967	1.002
1939	.982	1.138	1.047	1.032	.996	.958	1.026	.949	.931	.934	.937	.875	.986
1940	.843	.843	.875	.893	.967	.979	1.035	.999	.890	.896	1.026	1.038	.940
Mean	.988	.952	.931	.943	.958	.968	1.026	.988	.937	.914	.967	.982	.964

TEMPERATURE IN DEGREES F.  $h_1 = 4$  ft.Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.5	61.1	62.2	66.3	71.7	74.7	79.5	82.6	80.8	74.3	69.2	65.9	70.8
1932	64.9	61.8	62.3	65.8	70.3	75.7	79.8	81.0	77.2	73.5	70.2	67.8	70.9
1933	66.4	63.1	62.8	66.4	71.8	76.6	80.2	79.8	79.2	76.0	69.5	65.7	71.5
1934	63.7	59.8	66.0	68.3	72.3	76.9	78.9	80.3	80.4	74.9	70.2	64.6	71.4
1935	61.6	62.4	62.9	66.3	70.5	76.2	79.6	79.1	79.6	74.3	70.9	63.2	70.5
1936	62.9	60.7	64.7	67.2	70.5	76.0	80.4	81.3	79.4	76.2	69.9	67.3	71.4
1937	68.9	61.7	63.3	65.0	69.9	76.2	81.5	83.9	79.7	75.8	69.9	66.0	71.8
1938	63.8	61.9	63.1	66.9	72.8	77.3	79.9	81.6	79.5	75.8	72.4	66.7	71.8
1939	63.3	63.9	64.1	67.6	72.4	76.7	78.5	80.5	78.9	74.9	69.3	64.3	71.2
1940	60.0	59.3	61.4	64.1	69.8	75.5	79.3	79.2	78.2	72.9	68.2	65.9	69.5
Mean	63.7	61.6	63.3	66.4	71.2	76.2	79.8	81.0	79.3	74.9	70.0	65.7	71.1

TOTAL PRECIPITATION IN MILLIMETERS.  $h_1 = 1$  ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	201.2	236.7	134.4	18.5	129.3	66.3	57.7	98.0	59.9	106.9	165.4	53.6	1327.9
1932	38.9	73.2	151.6	95.0	70.9	99.8	159.5	145.5	69.3	122.2	294.4	17.8	1338.1
1933	148.5	73.1	66.2	185.3	69.4	117.1	106.7	168.7	117.2	120.6	102.5	104.6	1379.9
1934	123.6	96.4	93.5	231.2	91.6	93.9	228.8	222.2	47.0	69.2	46.4	142.8	1486.6
1935	117.1	111.7	145.1	120.4	170.2	100.4	91.7	296.0	115.2	158.4	92.1	109.6	1627.9
1936	94.9	181.7	161.9	116.9	104.8	60.8	45.8	137.2	148.6	107.8	123.9	76.5	1360.8
1937	27.5	146.9	112.1	148.7	181.6	161.9	41.0	97.2	155.9	57.4	124.6	186.5	1441.3
1938	174.7	49.2	70.6	80.4	160.5	71.1	161.9	57.4	114.5	258.8	99.1	172.2	1470.4
1939	43.1	45.2	96.5	47.7	58.3	45.1	163.8	110.7	131.8	230.1	203.7	87.6	1263.6
1940	119.3	122.9	87.7	108.3	96.9	99.7	86.6	116.6	88.7	183.4	25.2	145.2	1280.5
Mean	108.9	113.7	112.0	115.2	113.3	91.6	114.3	144.9	104.8	141.5	127.7	109.6	1397.7

## PRESSURE AT SEA LEVEL †

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.7	14.4	12.0	19.8	17.4	17.5	18.7	20.1	18.0	18.0	20.7	20.7	17.9
1932	23.3	16.4	11.7	15.2	18.9	18.9	16.8	17.0	15.9	16.5	17.6	21.5	17.5
1933	15.7	18.1	17.0	15.4	17.4	16.3	21.0	17.9	17.1	15.3	16.8	20.1	17.3
1934	20.0	18.6	22.2	17.4	19.9	19.0	20.6	20.5	19.7	14.6	18.0	18.2	19.1
1935	18.5	19.7	21.0	13.6	17.4	18.6	21.2	17.4	17.4	17.3	14.9	14.7	17.6
1936	18.1	17.3	17.3	20.3	17.3	16.5	20.0	19.2	18.6	18.7	19.2	22.4	18.7
1937	26.4	15.3	14.9	17.7	17.5	18.2	21.6	21.9	15.5	17.2	17.7	17.4	18.4
1938	18.2	21.6	19.7	20.7	17.8	22.5	22.7	19.5	18.3	15.0	21.3	18.4	19.6
1939	19.0	24.3	21.2	20.6	19.4	18.1	20.4	17.7	17.1	17.3	17.4	15.3	19.0
1940	14.3	14.3	15.4	15.9	18.4	18.8	20.7	19.5	15.7	16.0	20.4	20.9	17.5
Mean	19.1	18.0	17.2	17.7	18.1	18.4	20.4	19.1	17.3	16.6	18.4	18.9	18.3

\* See NOTES, p. 45.

† See ADDITIONAL DATA, p. 614.



## SÃO VICENTE (St. VINCENT), CAPE VERDE ISLANDS

Lat. 16°53' N. Long. 25°0' W. H<sub>b</sub> = 11 m.\*

## PRESSURE AT STATION LEVEL

Means of  $\frac{1}{3}(11^h + 17^h + 23^h)$ , Greenwich meridian  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.7	12.8	13.0	12.7	13.1	14.3	12.7	13.2	11.2	12.9	11.6	13.6	12.9
1932	14.1	13.2	13.5	13.5	14.8	13.8	13.9	12.0	12.7	13.2	12.6	14.0	13.4
1933	13.8	12.7	14.2	12.7	14.0	13.2	12.7	11.4	11.2	12.0	12.2	14.2	12.9
1934	13.9	13.2	13.6	14.3	13.8	13.4	12.8	11.6	12.2	12.8	12.7	14.2	13.2
1935	13.8	15.3	13.4	14.3	15.1	13.1	12.2	11.2	11.0	12.6	12.8	13.2	13.2
1936	13.2	13.1	13.2	13.2	12.6	14.0	13.4	12.0	11.1	12.4	11.6	12.7	12.7
1937	12.8	12.2	11.2	12.4	12.7	13.2	12.6	10.8	11.4	12.4	...	11.2	†12.1
1938	13.0	12.0	12.4	11.5	13.0	13.8	11.9	10.4	11.0	11.8	12.4	13.4	12.2
1939	13.8	14.7	13.1	13.8	12.7	14.1	13.4	12.0	12.0	12.3	13.5	15.1	13.4
1940	14.7	14.7	13.6	14.0	13.4	14.6	14.2	11.9	12.3	13.1	13.2	14.6	13.7
Mean	13.7	13.4	13.1	13.2	13.5	13.7	13.0	11.7	11.6	12.5	12.5	13.6	13.0

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 12 m.Means of  $\frac{1}{4}(11^h + 23^h + \text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931 <sup>†</sup>	21.88	21.20	22.36	22.43	22.84	24.05	24.86	25.40	26.86	25.90	24.72	22.85	23.78
1932	21.65	21.74	22.39	22.96	23.29	23.84	24.56	26.17	26.99	26.13	25.54	22.83	24.01
1933	21.39	22.18	21.95	22.36	23.09	23.68	24.63	25.15	25.35	25.83	24.57	22.14	23.53
1934	21.45	20.01	20.57	21.27	21.75	23.16	24.27	25.57	26.51	26.36	25.19	23.58	23.31
1935	21.76	20.43	20.98	22.32	22.91	23.65	24.66	25.67	26.25	25.43	24.51	22.49	23.42
1936	22.92	23.32	23.60	23.78	24.21	25.12	25.78	26.54	27.48	27.15	25.29	23.60	24.90
1937	22.33	22.75	22.47	22.65	22.33	24.75	25.76	26.04	27.79	27.16	...	25.08	†24.51
1938	22.67	22.95	22.67	23.53	23.90	24.28	25.10	25.78	26.05	25.72	25.05	22.05	24.15
1939	21.45	20.85	21.47	22.39	23.09	23.98	25.41	26.70	27.95	27.02	25.50	24.10	24.16
1940	23.06	22.98	23.55	23.40	24.06	24.52	24.41	26.57	27.05	26.12	24.31	22.50	24.38
Mean	22.06	21.84	22.20	22.71	23.15	24.10	24.94	25.96	26.83	26.28	24.96	23.12	24.01

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 12 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	24.8	20.8	0.0	1.0	50.6
1932	0.0	14.0	0.0	0.0	0.0	0.0	0.0	27.0	7.0	0.0	0.0	0.0	48.0
1933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	40.0	0.0	70.0	3.0	118.0
1934	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	32.8	5.0	7.0	0.0	47.8
1935	0.0	12.0	0.0	0.0	0.0	0.0	0.0	23.8	17.0	0.0	0.0	0.0	52.8
1936	0.0	0.0	0.0	0.0	0.0	1.0	0.0	13.0	28.4	9.4	20.6	34.7	107.1
1937	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	20.0	6.0	4.0	9.0	60.0
1938	9.0	6.0	0.0	0.0	0.0	0.0	0.0	3.9	110.7	31.2	0.0	0.0	160.8
1939	0.1	0.0	0.0	0.0	0.0	0.0	0.0	33.6	6.1	93.4	1.0	0.0	134.2
1940	0.0	0.0	0.0	0.0	0.0	0.0	0.2	23.7	21.1	5.3	0.0	6.0	35.3
Mean	1.2	3.3	0.0	0.0	0.0	0.1	0.0	13.4	30.8	17.1	10.3	5.4	81.6

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.0	14.1	14.3	14.0	14.4	15.6	14.0	14.5	12.5	14.2	12.9	14.9	14.2
1932	15.4	14.5	14.8	14.8	16.1	15.1	15.2	13.3	14.0	14.5	13.9	15.3	14.7
1933	15.1	14.0	15.5	14.0	15.3	14.5	14.0	12.7	12.5	13.3	13.5	15.5	14.2
1934	15.2	14.5	14.9	15.6	15.1	14.7	14.1	12.9	13.5	14.1	14.0	15.5	14.5
1935	15.1	16.6	14.7	15.6	16.4	14.4	13.5	12.5	12.3	13.9	14.1	14.5	14.5
1936	14.5	14.4	14.5	14.5	13.9	15.3	14.7	13.3	12.5	13.7	13.9	14.0	14.0
1937	14.1	13.5	12.5	13.7	14.0	14.5	13.9	12.1	12.8	13.7	...	12.5	13.4
1938	14.3	13.3	13.7	12.8	14.3	15.1	13.2	11.7	12.3	13.1	13.7	14.7	13.5
1939	15.1	16.0	14.4	15.1	14.0	15.4	14.7	13.3	13.4	13.6	14.8	16.4	14.7
1940	16.0	16.0	14.9	15.3	14.7	15.9	15.5	15.2	13.6	14.4	14.5	15.9	15.0
Mean	15.0	14.7	14.4	14.5	14.3	15.0	14.3	13.0	13.0	13.8	13.9	15.0	14.4

\* Pressure reduced from new level of 15 m. to old level of 11 m. by adding +0.3 mb.

† Normal value used for missing month.

## HØJVIG (THORSHAVN),\* FAROES

Lat. 62°3' N. Long. 6°45' W.  $H_b = 22.9$  m.†  
 PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
 GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(8^h + 14^h + 21^h)$ , Greenwich meridian  
 700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.6	48.3	63.4	56.2	59.1	60.5	53.2	61.4	64.5	55.9	48.6	55.9	56.6
1932	49.2	74.4	58.0	53.4	62.9	63.1	55.9	59.8	53.8	51.2	54.6	52.9	57.4
1933	52.2	58.7	53.6	51.4	63.5	58.8	58.3	55.0	63.7	57.0	60.4	62.9	53.8
1934	49.0	61.2	51.4	59.0	56.3	62.9	58.3	53.7	52.8	49.0	59.1	49.1	55.2
1935	61.5	44.7	60.9	58.3	68.7	58.1	57.5	57.3	53.1	47.7	48.7	51.7	55.7
1936	49.1	54.9	56.4	62.6	65.1	60.7	54.5	57.7	62.1	55.3	53.8	47.2	56.6
1937	48.0	46.7	58.8	57.3	59.9	58.8	58.4	60.2	52.6	57.3	60.4	59.2	56.5
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	51.7	55.6	57.5	56.9	62.2	60.4	56.6	57.9	57.5	53.3	55.1	54.1	56.7

TEMPERATURE IN DEGREES C.  $h_t = 2.0$  m.  
 Means of  $\frac{1}{4}(8^h + 14^h + 21^h + 21^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	3.1	2.2	3.0	5.4	6.8	7.5	10.4	10.5	9.7	6.9	7.6	5.5	6.6
1932	5.2	5.8	4.1	3.8	6.2	8.9	10.7	11.2	8.2	6.1	5.9	5.8	6.8
1933	5.4	2.3	5.6	5.1	7.3	11.1	12.1	12.0	11.2	7.4	6.8	7.0	7.8
1934	4.8	5.3	3.6	4.7	6.9	9.6	11.5	11.7	10.6	6.9	5.2	6.7	7.3
1935	5.1	2.6	5.7	5.0	7.5	8.6	11.3	11.2	9.7	6.5	6.7	4.4	7.0
1936	2.4	3.4	5.0	4.5	8.4	9.7	11.4	11.9	10.1	7.9	5.9	4.0	7.1
1937	5.0	3.3	2.0	6.5	8.4	9.3	11.1	12.0	9.9	8.0	6.1	4.8	7.2
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	4.4	3.7	4.1	5.0	7.4	9.2	11.2	11.5	9.9	7.1	6.3	5.5	7.1

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	146	180	21	103	68	117	152	32	63	243	137	259	1521
1932	251	35	68	121	43	64	133	84	131	98	194	139	1361
1933	186	172	108	106	32	36	49	147	107	141	82	119	1285
1934	243	203	104	74	124	60	59	108	89	215	156	125	1560
1935	131	177	181	46	15	80	108	97	118	173	165	109	1400
1936	121	145	106	69	30	71	38	113	84	128	165	222	1292
1937	168	125	57	59	63	59	86	121	154	188	109	107	1296
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	178	143	92	83	54	70	89	100	107	169	144	154	1388

\* See NOTES, p. 47.

† A correction of +2.1 mm. was applied to the observed values to reduce them to sea level.

## ANGMAGSSALIK,\* GREENLAND

Lat. 65°36' N. Long. 37°33' W. H<sub>b</sub> = 29.3 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(8^h + 14^h + 21^h)$ , 30th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.7	52.2	60.6	54.9	65.3	64.0	59.2	59.6	58.1	55.1	41.7	49.4	56.3
1932	42.7	61.1	60.2	64.7	66.5	60.4	59.7	53.0	56.6	55.7	49.7	42.3	56.1
1933	33.7	63.7	54.0	64.4	61.3	56.0	55.2	54.0	53.5	60.6	51.6	49.0	54.8
1934	46.1	53.1	50.3	63.0	55.5	62.4	58.8	...	54.8	55.7	53.1	51.6	†55.1
1935	49.1	46.6	55.2	66.8	65.2	59.7	55.2	55.9	60.5	49.8	48.3	59.3	56.0
1936	60.6	61.0	59.7	58.8	57.7	57.2	60.2	56.3	59.5	51.4	50.8	47.4	56.7
1937	39.8	51.8	67.4	54.7	59.1	57.8	58.3	54.8	55.6	54.5	58.3	55.4	55.6
1938	44.0	51.1	50.1	55.8	63.7	57.7	58.8	58.3	53.8	46.8	49.9	47.9	53.1
1939	59.1	45.4	55.3	61.6	60.0	59.7	61.5	55.1	60.7	54.6	53.4	55.8	56.8
1940	59.0	57.8	62.7	62.0	60.9	...	...	...	...	...	...	...	...
Mean	48.9	54.4	57.6	60.7	61.5	59.4	58.5	55.9	57.0	53.8	50.1	50.9	55.6

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.3 m.Means of  $\frac{1}{3}[2(8^h + 14^h) + 5(21^h)]$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-7.5	-9.5	-7.9	-1.1	0.8	5.3	7.9	7.4	4.6	-0.8	-3.7	-8.2	-1.1
1932	-7.2	-0.2	-0.7	-4.2	3.5	7.3	8.2	7.2	4.4	-0.4	-3.9	-4.6	0.8
1933	-7.0	-10.2	-5.8	-3.6	4.1	5.9	8.5	7.4	5.1	-1.3	-0.3	0.5	0.3
1934	-7.4	-8.4	-4.4	-2.4	0.7	6.3	7.3	6.1	4.6	-1.3	-5.6	-1.7	-0.5
1935	-4.4	-12.2	-3.7	-4.8	4.0	5.9	7.0	6.0	3.9	-1.1	-2.0	-7.7	-0.8
1936	-12.4	-6.8	-9.3	-1.4	3.4	6.0	8.8	7.1	4.5	-0.2	-2.5	-8.3	-0.9
1937	-4.3	-7.2	-7.0	-1.9	0.8	5.4	7.0	5.9	3.6	-1.3	-4.0	-5.5	-0.7
1938	-9.2	-6.3	-8.3	-2.9	1.5	5.4	7.6	6.0	3.0	-0.3	-6.0	-2.5	-1.0
1939	-8.8	-7.8	-2.6	-1.2	4.1	4.9	9.0	7.5	6.7	2.5	-2.7	-6.2	0.5
1940	-5.3	-6.0	-7.3	-3.2	2.1	5.1	6.4	5.6	3.1	0.7	-4.8	-4.9	-0.7
Mean	-7.3	-7.5	-5.7	-2.7	2.5	5.8	7.8	6.6	4.4	-3.5	-3.6	-4.9	-0.4

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	10	...	57	55	22	16	8	90	97	71	38	133	...
1932	35	408	25	17	45	91	11	129	52	41	77	109	1040
1933	72	...	61	...	65	80	3	62	169	47	175	155	...
1934	63	59	51	50	13	31	22	...	59	79	78	168	...
1935	119	25	86	16	29	27	16	76	6	11	59	4	474
1936	0.0	18.3	0.0	108.3	140.5	61.5	14.2	63.5	49.0	188.0	64.0	31.0	738.3
1937	69.0	39.0	11.0	57.0	22.0	32.0	37.0	40.5	27.3	138.0	58.9	74.1	605.8
1938	57.8	101.7	43.4	123.0	88.9	81.2	2.4	60.1	56.0	70.0	11.2	71.1	766.8
1939	97.8	39.4	49.1	22.3	45.1	76.8	28.9	101.3	96.3	252.3	138.8	72.5	1020.6
1940	81.0	110.6	8.1	97.3	64.0	...	...	...	...	...	...	...	...
Mean	60.5	100.0	39.2	60.6	53.5	55.2	17.0	77.8	68.0	99.7	77.8	90.9	‡800.2

\* See NOTES, p. 47.

† Normal value used for missing month.

‡ Sum of 12 monthly means.



## IVIGTUT, GREENLAND

Lat. 61°12' N. Long. 48°10' W. H<sub>b</sub> = 30 m.\*PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(8^h+14^h+21^h)$ , 45th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	49.7	55.1	61.2	57.0	59.7	62.5	57.1	59.1	55.5	55.8	45.1	48.6	55.5
1932	45.0	50.3	54.2	62.7	62.3	58.0	58.1	54.2	57.9	54.9	51.8	45.3	54.6
1933	43.6	58.3	53.4	62.8	54.1	55.6	55.3	53.3	53.5	61.1	48.2	45.3	53.7
1934	46.3	51.2	50.2	62.9	54.9	59.1	57.3	57.1	55.8	57.0	54.3	45.5	54.3
1935	51.0	44.7	50.1	60.0	57.8	57.9	54.2	56.4	55.1	52.1	51.9	55.2	53.9
1936	55.6	54.7	60.2	57.3	56.6	57.2	59.6	55.2	55.1	50.1	48.6	49.4	55.0
1937	40.5	50.9	59.4	53.9	57.7	57.1	56.1	53.2	54.7	53.5	57.4	55.5	54.2
1938	44.9	52.0	49.9	54.7	58.4	57.0	57.5	56.3	53.7	49.8	48.6	48.2	52.6
1939	51.9	46.0	51.2	55.7	55.5	58.9	60.9	55.1	55.4	52.5	49.1	49.8	53.5
1940	55.4	48.1	59.3	60.3	58.7	55.6	58.3	56.8	56.4	50.8	50.9	45.7	54.7
Mean	48.4	51.1	54.9	58.7	57.6	57.9	57.4	55.7	55.3	53.8	51.6	48.9	54.3

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.Means of  $\frac{1}{3}(8^h+14^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-2.5	-6.4	-7.0	-1.4	6.5	8.3	9.9	9.5	8.2	1.7	-6.4	-5.9	1.2
1932	-8.7	0.0	2.7	2.7	6.8	8.7	11.2	8.5	6.9	2.6	-2.5	-7.5	2.6
1933	-9.2	-3.8	-5.2	0.2	7.0	8.2	10.9	8.9	5.9	1.7	-0.5	-3.8	1.7
1934	-7.6	-5.2	-7.6	1.2	2.3	8.6	11.0	8.4	5.2	1.2	-1.4	-0.9	1.3
1935	-6.3	-7.1	-2.6	2.8	8.5	8.7	10.0	9.7	6.9	1.1	-4.1	-1.6	2.2
1936	0.9	-0.5	-2.2	1.5	4.2	8.0	10.9	8.6	7.1	1.9	-1.4	-7.6	2.8
1937	-8.8	-6.0	0.7	-2.5	3.7	8.6	9.9	8.7	5.7	1.0	1.3	-4.5	1.5
1938	-7.0	-6.9	-7.1	-2.6	4.0	7.1	8.3	8.4	5.6	-1.1	-5.9	-7.2	-0.4
1939	-2.9	-7.9	-5.9	1.5	4.4	8.5	11.0	8.3	5.1	2.9	-1.8	-0.3	1.9
1940	-2.6	0.2	-1.2	1.5	4.3	6.0	8.2	7.7	4.9	3.4	-1.9	-2.8	2.3
Mean	-5.5	-4.4	-3.5	0.5	5.2	8.1	10.1	8.7	6.2	1.6	-2.5	-4.2	1.7

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	144	92	23	117	67	134	64	158	147	119	26	42	1133
1932	30	446	101	140	243	106	47	55	120	226	94	91	1699
1933	53	188	24	36	51	86	2	65	71	295	317	186	1374
1934	187	268	44	98	53	291	46	61	161	97	300	63	1669
1935	240	18	12	41	39	70	18	157	71	222	94	4	986
1936	32	92	120	113	161	244	63	60	203	239	279	71	1877
1937	46	23	74	1	35	290	31	170	251	249	265	82	1517
1938	31	229	70	218	64	48	164	192	258	159	40	6	1479
1939	158	50	92	64	200	92	132	117	379	344	40	123	1791
1940	1	49	108	48	69	98	67	150	270	170	84	86	1200
Mean	92.2	145.5	66.8	87.6	98.1	145.9	63.4	118.5	192.8	212.0	153.9	75.4	1452.5

\* A correction of +2.8 mm. was applied to the observed values to reduce them to sea level.

## JACOBHAVN,\* GREENLAND

Lat. 69°13' N. Long. 51°2' W. H<sub>b</sub> = 31.6 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 18^h + 21^h)$ , 45th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	51.0	54.5	64.8	57.5	61.3	61.1	56.6	57.6	55.0	55.2	46.5	50.6	55.9
1932	48.3	50.1	57.0	62.1	61.9	57.1	57.2	53.4	...	54.3	52.4	44.5	...
1933	44.7	58.3	57.6	...	...	56.0	54.8	52.8	55.1	...	47.2	47.2	...
1934	45.7	51.3	51.8	59.5	54.9	58.8	56.6	55.7	55.1	56.8	51.9	49.5	53.9
1935	50.6	46.9	52.9	61.8	59.8	57.5	51.9	53.2	57.2	50.4	49.0	57.2	54.0
1936	58.1	59.3	63.0	59.3	57.7	56.3	58.9	56.0	55.9	...	46.7	50.9	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.3 m.Means of  $\frac{1}{3}[2(8^h + 14^h) + 5(21^h)]$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-8.7	-13.9	-17.1	-9.0	1.2	8.3	10.6	8.9	5.4	-3.3	-11.0	-10.7	-3.3
1932	-18.1	-3.6	-4.0	-5.4	3.8	6.3	8.3	5.4	...	-3.0	-9.4	-12.0	-2.9
1933	-18.4	-9.5	-12.0	...	...	4.6	9.3	7.8	1.4	...	-5.3	-6.4	-3.1
1934	-12.7	-16.4	-14.7	-5.7	-1.7	5.2	8.9	6.8	2.7	-3.8	-5.5	-6.3	-3.6
1935	-12.8	-19.3	-9.4	-4.2	0.8	7.3	8.7	7.2	4.8	-3.2	-6.5	-8.4	-2.9
1936	-8.3	-8.0	-11.2	-3.5	1.6	5.5	10.1	6.7	2.9	...	-6.5	-14.5	-2.3
1937	-18.6	-16.1	-5.5	-9.9	0.3	5.0	...	...	2.7	-4.7	-4.6	-11.2	-6.2
1938	-18.8	-12.3	-15.3	-8.2	0.4	4.1	7.8	7.6	3.2	-4.7	-11.6	-14.5	-5.2
1939	-10.7	-15.3	-11.9	-3.7	2.5	5.7	9.1	5.6	5.2	3.5	-9.0	-8.0	-2.8
1940	-13.3	-9.6	-6.6	-3.9	0.5	4.7	9.9	5.9	2.0	-6.2	-8.6	-8.3	-2.7
Mean	-14.0	-12.4	-10.8	-5.3	0.9	5.7	8.3	6.2	3.0	-3.2	-7.8	-10.0	-3.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	6	9	3	10	5	1	1	62	29	71	13	17	227
1932	6	29	48	50	33	17	18	51	...	62	15	17	...
1933	7	5	4	...	...	9	62	29	32	...	10	3	...
1934	2	1	3	11	0	20	3	6	19	47	37	3	149
1935	7	7	3	9	...	17	7	120	5	44	5	12	...
1936	3	4	33	21	36	45	23	15	80	...	17	9	...
1937	1	1	4	4	7	46	...	...	42	15	14	17	...
1938	0	6	13	21	11	6	62	20	67	10	10	1	227
1939	11	0	4	6	4	7	15	39	21	49	1	4	161
1940	5	4	22	7	12	10	1	38	58	2	4	7	170
Mean	5	7	14	15	14	18	21	42	39	38	13	9	†235

\* See NOTES, p. 48.

† Sum of 12 monthly means.



## SCORESBY SOUND, GREENLAND

Lat. 70°29' N. Long. 21°58' W.  $H_b = 16.9$  m.\*PRESSURE AT SEA LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(8^h + 14^h + 21^h)$ , 30th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	59.8	55.3	67.0	58.8	67.2	64.9	59.6	...	...	58.0	48.0	55.0	...
1932	48.6	...	63.8	...	...	...	60.0	...	...	57.8	56.2	49.2	...
1933	40.8	64.2	61.0	66.5	65.8	57.1	55.6	...	56.8	61.1	57.1	58.6	...
1934	50.1	...	55.9	65.8	59.6	63.2	60.7	...	57.1	56.5	55.9	57.8	...
1935	55.0	48.5	64.3	68.5	66.7	62.1	56.5	57.2	63.3	53.3	55.4	62.2	59.4
1936	64.1	67.8	66.1	63.2	62.2	57.5	60.4	...	59.4	52.8	52.3	47.5	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES C.  $h_t = 1.5$  m.Means of  $\frac{1}{3}[2(8^h + 14^h) + 5(21^h)]$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-17.3	-17.7	-18.7	-8.0	-5.1	2.1	5.6	...	...	-7.7	-8.2	...	...
1932	-16.0	...	-13.6	...	...	...	6.1	...	...	-7.9	-14.1	-12.7	...
1933	-10.6	-14.6	-9.9	-12.0	-1.8	3.5	6.1	...	2.1	-5.7	-6.2	-7.6	...
1934	-14.7	...	-18.2	-9.4	-3.8	4.0	6.0	...	2.3	-5.1	-11.6	-8.8	...
1935	-11.5	-17.1	-11.0	-13.1	-3.7	1.5	4.4	3.9	-0.7	-6.0	-5.9	-12.3	-6.0
1936	-22.6	-19.8	-20.0	-9.2	0.6	2.9	7.8	...	2.2	-4.1	-10.0	-17.6	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	63	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	27	...	...	...	...	...	...
1933	46	...	31	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	39	...	35	...	140	90	32	88	...
1935	41	5	50	0	0	7	121	...	...	43	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* A correction of +1.6 mm. was applied to the observed values to reduce them to sea level.

## UPERNIVIK, GREENLAND

Lat. 72°47' N. Long. 56°7' W. H = 18 m., H<sub>0</sub> = 19.2 m.\*PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(S^h + 14^h + 21^h)$ , 45th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.6	57.8	67.5	...	64.9	61.4	59.3	58.9	58.1	56.4	48.5	53.5	...
1932	51.0	53.0	59.9	64.4	64.0	59.7	59.5	...	...	55.8	54.8	46.9	...
1933	48.5	60.4	60.9	65.4	60.9	58.4	56.3	55.3	57.4	58.9	50.9	51.2	57.0
1934	50.5	55.5	36.8	62.9	58.7	61.4	59.1	58.6	57.4	57.7	54.1	53.5	57.2
1935	54.9	50.5	57.2	66.4	65.4	60.4	55.6	56.0	61.3	53.6	52.8	60.3	57.8
1936	61.1	60.8	65.4	60.3	59.3	57.0	59.7	56.7	57.1	51.4	48.8	54.0	57.6
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.3 m.Means of  $\frac{1}{5}[2(S^h + 14^h) + 5(21^h)]$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-10.8	-18.6	-21.2	...	-1.8	6.3	7.8	7.9	4.1	-3.1	-7.9	-12.1	...
1932	-21.5	-14.9	-11.2	-9.3	0.8	3.0	6.7	...	...	-3.3	-8.7	-11.9	...
1933	-21.4	-15.4	-17.2	-11.9	-2.6	1.9	7.0	5.7	0.7	-2.6	-6.1	-7.8	-5.8
1934	-17.3	-23.5	-21.9	-11.7	-4.0	2.1	6.1	5.2	2.2	-3.0	-6.8	-10.3	-6.9
1935	-20.0	-26.6	-15.8	-9.2	-3.4	8.8	5.7	7.0	2.7	-3.4	-6.1	-10.1	-6.3
1936	-10.9	-13.4	-17.3	-9.4	-1.6	3.0	7.8	6.2	1.4	-3.3	-7.5	-17.6	-5.2
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	0	2	...	5	2	0	45	26	73	7	15	...
1932	2	62	1	12	22	23	3	...	...	2	5	10	196
1933	...	8	...	10	0	13	64	21	16	27	8	13	...
1934	4	18	0	39	3	4	...	5	10	11	15	9	...
1935	11	7	0	6	13	3	0	85	0	7	3	3	138
1936	...	3	2	7	7	2	1	30	4	5	13	14	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* Pressure given at station level, but here reduced to sea level.

## AKUREYRI, ICELAND

Lat. 65°41' N. Long. 18°5' W. H<sub>b</sub> = 7 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 4 to 5 observations daily, 15th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.2	49.8	62.2	54.7	63.7	62.2	55.9	59.9	60.8	53.3	41.8	52.6	55.9
1932	44.3	69.6	58.9	59.9	65.7	61.2	56.9	54.5	54.4	53.4	50.6	46.0	56.3
1933	39.3	62.9	52.7	63.0	62.0	56.0	55.7	53.0	56.8	58.1	56.6	56.8	56.1
1934	44.4	54.9	50.6	61.7	54.8	62.1	56.5	54.4	49.8	51.1	54.0	49.3	53.6
1935	55.0	44.7	57.9	64.1	66.2	57.7	52.1	54.7	56.8	48.0	48.1	56.6	55.2
1936	58.3	60.7	56.4	62.1	60.8	57.6	58.0	54.3	59.0	50.8	49.9	45.6	56.1
1937	41.5	49.1	65.3	54.2	57.4	56.5	55.1	54.3	50.8	54.9	57.3	56.4	54.4
1938	42.8	56.1	46.6	59.7	62.3	55.6	55.3	57.2	53.0	42.8	43.7	47.2	51.9
1939	57.9	43.0	55.7	58.9	60.1	59.8	59.8	54.8	62.0	58.8	52.6	56.0	56.6
1940	60.4	58.9	58.1	59.8	57.6	55.3	59.7	55.8	54.3	54.5	51.0	53.6	56.6
Mean	49.8	55.0	56.4	59.8	61.1	58.4	56.5	52.3	55.8	52.6	50.6	52.0	55.3

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.4 m.Means of  $\frac{1}{2}(8^h + 14^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-2.7	-4.5	-1.3	3.9	6.3	8.6	11.0	13.2	10.7	3.8	1.9	-0.6	4.2
1932	-2.1	5.3	1.6	-0.5	8.3	12.2	10.9	12.6	6.5	2.1	1.4	1.3	5.0
1933	2.4	-3.5	1.0	2.1	10.5	13.6	14.6	11.9	11.1	2.8	3.1	3.7	6.1
1934	-0.3	1.2	-1.3	3.3	6.4	12.5	12.7	11.5	8.4	2.6	0.9	1.7	5.0
1935	2.1	-5.9	1.8	1.5	9.1	9.7	11.7	10.6	7.1	1.8	1.1	-2.4	4.0
1936	-5.8	-3.7	-1.0	1.9	9.7	11.6	12.5	11.7	8.9	5.6	1.2	-3.9	4.1
1937	0.4	-2.1	-5.0	3.8	7.0	10.7	11.4	11.5	7.4	3.8	2.2	1.8	4.4
1938	-0.9	1.4	0.4	6.0	5.4	8.0	9.5	11.6	9.5	4.3	0.3	1.1	4.7
1939	-3.1	-0.3	2.8	3.3	10.1	12.4	12.1	13.6	12.3	6.9	-0.7	-2.0	5.6
1940	-0.2	-2.7	-2.1	1.2	8.4	11.8	11.2	10.7	6.7	3.9	-0.1	0.5	4.1
Mean	-1.0	-1.5	-0.3	2.7	8.1	11.1	11.8	11.9	8.9	3.8	1.1	0.1	4.7

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.9 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	55.5	62.9	32.5	41.8	...	8.5	45.8	7.2	2.5	88.2	83.2	46.8	*474.9
1932	57.8	13.2	29.3	87.9	7.0	14.2	82.5	29.2	27.5	53.4	69.1	48.4	519.5
1933	25.2	30.9	53.8	40.3	0.0	60.6	18.6	57.1	10.8	65.9	15.0	21.7	399.9
1934	63.2	47.6	17.5	24.1	15.2	9.6	62.0	57.9	96.1	114.4	20.0	53.2	580.8
1935	21.8	35.7	38.6	22.2	3.0	42.0	44.8	...	81.3	130.6	61.6	114.8	*596.4
1936	51.1	40.7	70.0	7.3	11.8	14.2	16.4	93.1	54.4	58.8	39.4	37.1	494.3
1937	36.1	65.1	26.7	48.1	37.5	8.9	48.1	49.8	73.4	52.2	46.8	22.5	515.2
1938	31.4	26.1	79.8	5.4	12.4	43.4	28.7	11.2	28.3	81.5	69.2	70.2	487.6
1939	62.4	47.8	44.2	13.3	10.9	18.5	13.3	34.3	21.2	0.7	67.2	60.7	394.5
1940	25.5	31.8	71.0	41.5	32.6	45.3	14.4	20.4	31.1	58.4	71.7	44.5	488.2
Mean	43.0	40.2	46.3	33.2	14.5	46.5	37.5	40.0	42.7	70.4	54.3	52.0	†520.6

\* Sum of 11 months.

† Sum of 12 monthly means.

## STYKKISHOLM, ICELAND

Lat. 65°5' N. Long. 22°46' W. H<sub>0</sub> = 21-28 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{4}(S^h + 14^h + 17^h + 21^h)$ , 15th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	53.3	49.7	59.8	54.4	62.6	61.2	55.5	60.0	59.9	52.8	39.7	50.9	55.0
1932	42.5	69.0	58.5	60.6	65.1	61.2	56.3	54.1	54.4	53.2	49.7	44.4	55.8
1933	38.1	62.7	51.4	62.5	60.8	56.1	55.9	52.9	56.0	57.8	55.3	55.0	55.4
1934	43.1	54.2	49.9	61.1	54.4	61.7	57.1	53.7	49.3	61.8	52.8	48.1	53.1
1935	54.3	43.3	55.2	63.2	66.2	56.6	51.8	54.9	55.4	47.5	46.8	56.1	54.3
1936	58.1	59.9	55.1	60.7	60.1	57.6	57.4	54.7	58.3	50.0	50.3	45.1	55.6
1937	39.4	47.9	64.3	53.2	55.8	56.6	54.6	53.4	50.0	54.6	57.1	54.9	53.5
1938	41.1	55.1	45.7	59.8	61.5	55.9	55.3	57.4	53.0	42.4	43.7	45.7	51.4
1939	57.2	41.6	54.4	57.7	59.7	60.0	60.1	54.5	61.7	57.6	50.6	54.8	55.8
1940	59.2	57.0	57.7	58.9	57.3	55.4	60.2	56.2	55.0	53.2	50.3	52.1	56.0
Mean	48.6	54.0	55.2	59.2	60.4	58.2	56.4	55.2	55.3	52.1	49.6	50.7	54.5

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.3 m.Means of  $\frac{1}{2}(S^h + 14^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-1.6	-3.9	-0.5	2.8	6.4	8.7	10.5	12.4	10.4	4.4	2.2	-0.1	4.3
1932	-1.3	4.8	1.8	-0.9	8.0	10.7	10.8	11.9	7.1	3.6	1.7	1.6	5.0
1933	0.8	-2.6	0.5	2.3	8.7	10.5	13.0	11.4	9.6	3.4	4.0	3.9	5.5
1934	-0.2	0.6	-1.0	2.8	4.9	10.2	11.7	10.7	8.4	3.2	1.5	1.3	4.5
1935	1.7	-4.8	2.1	1.6	9.1	9.1	10.9	10.7	8.2	3.2	2.5	-0.8	4.5
1936	-4.3	-2.5	-0.9	3.6	8.4	10.4	12.6	11.5	9.2	5.7	2.3	-2.7	4.4
1937	-0.2	-1.8	-1.5	3.5	6.0	10.2	11.2	10.6	7.8	3.9	2.5	1.9	4.5
1938	-0.8	1.4	0.1	4.3	5.1	8.0	10.5	11.3	8.9	4.7	1.6	1.6	4.7
1939	-1.5	-0.3	2.3	3.5	8.3	10.6	12.0	12.5	11.3	7.7	1.0	0.1	5.6
1940	0.6	0.0	-1.7	1.2	7.0	9.9	10.6	10.0	6.8	5.4	0.9	1.4	4.3
Mean	-0.7	-0.9	0.1	2.5	7.2	9.8	11.4	11.3	8.8	4.5	2.0	0.8	4.7

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.6 to 2.2 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	83.5	72.6	81.0	72.8	3.2	27.5	24.0	18.4	75.0	122.9	129.1	139.8	849.8
1932	129.0	58.5	33.2	65.6	3.9	47.2	58.9	47.1	73.8	43.3	162.5	119.0	842.3
1933	273.9	81.7	49.0	51.3	29.1	56.6	33.8	59.0	166.0	120.0	122.6	143.6	1186.8
1934	110.3	141.5	55.3	73.8	96.9	32.1	44.6	69.7	112.5	66.7	143.0	87.4	986.8
1935	133.0	93.7	161.2	6.1	21.2	88.1	80.8	47.6	1.6	90.7	53.1	61.0	834.1
1936	3.1	21.5	90.3	9.5	59.7	66.7	8.2	107.1	139.8	153.2	125.6	96.7	891.4
1937	90.0	53.1	14.1	57.5	57.3	38.2	54.3	116.6	85.5	90.0	68.5	88.7	813.8
1938	91.9	103.1	126.6	75.0	43.4	46.7	7.1	45.0	57.8	84.7	58.0	74.3	813.8
1939	21.1	139.3	43.7	73.8	28.6	48.2	3.9	101.7	64.4	60.5	23.2	50.4	672.8
1940	90.8	13.9	22.0	37.2	85.0	58.5	23.9	42.8	47.8	71.7	64.3	78.2	636.1
Mean	102.7	77.9	67.6	52.6	42.8	51.0	34.5	65.5	82.4	90.4	95.5	88.8	851.7

TEIGARHORN, ICELAND

Lat. 64°41'N. Long. 14°22' W. H<sub>b</sub> = 18 m.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{3}(S^h + 14^h + 21^h)$ , 15th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	53.4	47.3	63.0	54.9	62.9	61.4	54.5	60.5	61.9	52.8	42.6	53.3	55.7
1932	44.8	70.5	57.9	57.5	65.7	61.3	56.4	55.2	53.9	52.7	51.4	47.2	56.2
1933	42.9	61.3	52.0	62.0	63.3	56.6	56.8	52.8	58.9	56.9	57.9	58.7	56.7
1934	44.7	56.1	50.4	60.6	55.1	62.7	56.4	54.1	49.6	48.9	54.9	48.9	53.5
1935	57.0	43.9	58.7	62.0	67.0	58.2	53.0	54.6	55.2	47.0	47.7	54.4	54.9
1936	55.3	58.0	55.2	61.6	61.9	57.9	57.2	54.6	60.0	51.8	51.9	45.0	55.9
1937	42.9	47.6	62.8	54.3	57.4	57.1	55.4	55.5	50.1	54.7	57.1	57.3	54.4
1938	42.1	57.3	46.9	61.0	61.4	54.5	54.4	57.4	54.0	42.1	41.9	47.8	51.7
1939	56.2	43.2	55.6	53.4	60.9	59.8	59.2	56.3	62.9	60.5	50.8	55.8	56.6
1940	60.5	58.1	55.9	58.5	58.2	56.2	59.3	55.8	52.8	54.6	50.0	54.4	56.2
Mean	50.0	54.3	55.3	59.1	61.4	58.6	56.3	55.7	55.9	52.2	50.6	52.3	55.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.3 m.

Means of  $\frac{1}{2}(S^h + 14^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-0.7	-2.7	-0.1	4.0	6.1	8.8	11.3	12.0	10.4	4.5	4.6	0.9	4.9
1932	0.2	4.1	2.3	1.2	7.1	11.4	10.8	11.8	6.7	3.5	2.3	1.2	5.2
1933	2.5	-1.8	2.3	2.5	7.3	11.8	13.3	12.1	9.9	4.3	3.2	3.6	5.9
1934	0.3	1.7	0.5	3.6	6.4	11.5	12.1	11.3	9.1	4.4	1.2	3.0	5.4
1935	1.8	-3.0	2.2	2.8	9.1	8.6	11.3	12.0	8.3	3.9	3.4	0.4	5.1
1936	-3.2	-1.4	1.4	3.5	9.3	11.3	11.8	11.7	9.2	5.8	1.6	-2.4	4.9
1937	1.3	-0.5	-1.9	5.3	7.6	10.3	10.3	11.4	8.3	4.7	3.1	1.9	5.2
1938	-0.2	0.8	2.3	6.7	6.0	9.7	10.0	10.7	9.0	5.2	2.2	2.6	5.4
1939	-1.0	0.9	3.5	4.0	8.1	10.4	10.4	11.7	10.7	6.4	1.3	-0.2	5.5
1940	1.5	0.0	-0.7	2.7	8.2	10.9	10.7	10.9	8.0	5.6	0.9	2.2	5.1
Mean	0.3	-0.2	1.2	3.6	7.5	10.5	11.2	11.6	9.0	4.8	2.4	1.3	5.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	55.7	72.6	97.4	185.9	22.1	31.1	82.7	7.3	9.6	183.1	372.1	288.2	1407.8
1932	219.9	22.6	79.1	81.4	49.2	23.6	155.7	118.1	49.9	105.6	167.3	226.4	1298.8
1933	260.5	34.4	244.3	28.9	195.4	188.3	50.3	104.1	120.3	111.7	111.7	177.4	1627.3
1934	240.1	54.8	106.3	43.2	57.2	55.3	68.7	240.9	241.5	141.3	124.8	274.0	1648.1
1935	98.2	142.6	143.1	8.9	39.0	144.5	136.7	102.0	147.7	194.8	170.3	100.1	1427.9
1936	55.0	110.4	137.1	39.6	125.8	45.6	52.7	130.0	173.1	151.3	85.4	64.9	1170.9
1937	277.6	154.2	62.2	215.5	162.2	26.7	256.1	101.7	253.7	76.4	130.5	235.9	1952.7
1938	127.5	191.3	104.3	2.0	42.9	75.9	103.3	34.0	125.3	169.6	161.9	162.3	1300.3
1939	37.5	125.1	103.2	57.1	107.4	100.3	38.0	159.7	182.3	60.5	75.1	73.6	1119.8
1940	185.9	109.3	62.5	73.0	123.2	134.9	6.0	41.8	13.9	164.1	27.4	113.8	1056.8
Mean	155.8	101.7	113.9	73.6	92.4	82.6	95.0	104.0	131.7	135.8	142.7	171.7	1400.9

## VESTMANNAEYJAR, ICELAND

Lat. 63°24' N. Long. 20°17' W. H<sub>b</sub> = 122 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 6 to 7 observations daily, 15th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.8	49.0	59.8	54.9	61.8	61.2	54.6	61.4	62.5	53.8	39.9	51.3	55.3
1932	43.6	72.2	57.6	57.9	65.2	61.7	55.4	55.6	53.9	51.5	50.2	45.0	55.8
1933	40.9	61.9	49.0	60.6	60.6	56.3	56.6	52.7	57.9	57.0	56.2	56.6	55.5
1934	43.2	57.1	49.2	60.4	54.7	62.6	56.6	52.3	48.1	50.4	54.5	45.8	52.9
1935	56.9	42.6	54.2	61.7	67.7	56.0	51.9	54.5	52.9	46.2	45.3	53.5	53.6
1936	55.1	56.5	53.9	61.1	60.7	58.8	56.5	55.0	59.1	51.2	51.0	45.0	55.3
1937	38.3	45.7	62.8	52.3	55.5	57.6	54.4	54.8	49.6	54.9	58.0	55.4	53.3
1938	40.5	57.4	46.5	62.7	60.7	55.2	54.3	57.6	54.2	41.6	41.2	45.6	51.5
1939	56.1	41.4	54.6	57.6	60.0	60.3	59.2	55.2	62.4	59.2	48.8	55.3	55.8
1940	57.8	54.2	56.5	57.2	57.3	56.0	59.8	56.8	54.7	52.9	49.9	53.2	55.5
Mean	48.5	53.8	54.4	58.6	60.4	58.6	55.9	55.6	55.5	51.9	49.5	50.7	54.5

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.4 m.Means of  $\frac{1}{2}(8^h + 14^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.2	-1.8	2.1	4.0	6.9	8.1	10.9	11.2	9.5	5.3	4.2	2.1	5.3
1932	1.7	5.7	3.4	2.0	7.6	9.8	11.5	10.8	7.0	4.7	3.4	3.5	5.9
1933	2.7	-0.3	3.2	4.0	7.8	10.1	11.9	10.9	9.5	4.5	5.2	5.2	6.2
1934	2.5	2.8	1.3	4.4	5.3	9.2	11.5	11.6	9.1	4.2	3.3	4.1	5.8
1935	3.6	-0.6	3.8	3.4	8.7	9.0	10.3	10.2	8.9	4.4	4.3	1.7	5.6
1936	-1.0	0.6	3.2	5.0	7.2	8.9	11.7	10.6	8.8	6.2	3.4	-0.5	5.3
1937	2.2	-0.1	0.5	5.6	6.5	8.6	10.4	10.0	7.8	4.2	4.0	3.5	5.3
1938	1.1	2.5	2.4	4.2	5.5	8.6	10.5	9.7	8.7	4.9	2.4	3.3	5.3
1939	-0.3	2.5	4.2	4.9	7.8	9.7	11.5	11.1	10.5	7.4	2.4	3.0	6.2
1940	2.7	3.3	1.0	3.9	6.9	8.8	10.3	9.2	6.7	6.4	2.9	3.9	5.5
Mean	1.6	1.5	2.5	4.1	7.0	9.1	11.1	10.5	8.7	5.2	3.6	3.0	5.7

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.2 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	142.6	84.0	164.7	90.7	11.2	66.8	10.8	46.5	132.1	192.5	170.5	130.8	1243.2
1932	153.8	91.8	51.7	81.3	21.0	57.9	86.7	152.0	112.5	63.5	113.7	153.3	1139.2
1933	203.2	47.3	109.6	72.8	52.8	114.1	82.4	97.5	271.4	186.2	122.8	182.1	1542.2
1934	171.0	148.8	83.4	57.9	89.6	108.7	40.2	153.0	104.1	106.8	135.5	89.6	1288.6
1935	120.5	51.2	148.1	37.5	29.2	51.0	153.9	153.2	39.0	137.3	141.4	99.3	1162.5
1936	7.1	75.2	103.4	50.3	157.2	86.6	43.8	124.9	149.0	228.9	206.5	111.2	1344.1
1937	115.8	96.7	27.2	127.8	125.5	30.0	135.7	178.6	155.8	198.2	83.8	137.1	1412.2
1938	101.3	100.5	190.4	93.1	61.7	72.8	68.0	115.5	139.7	152.8	93.9	254.0	1443.7
1939	41.6	133.9	127.8	104.8	79.5	115.8	12.9	186.1	144.8	153.6	87.1	139.2	1327.1
1940	219.0	80.4	84.6	94.2	147.1	149.5	68.0	153.7	93.6	129.0	123.6	134.7	1477.4
Mean	127.6	91.0	109.1	81.0	77.5	85.3	70.2	136.1	134.3	154.9	127.9	143.1	1338.0

FUNCHAL, MADEIRA

Lat. 32°38' N. Long. 16°55' W. H<sub>b</sub> = 25 m.

PRESSURE AT STATION LEVEL

Means of  $\frac{1}{3}(10^h 8^m + 16^h 8^m + 22^h 8^m)$ , Greenwich meridian  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.8	23.1	10.4	15.3	17.7	18.4	18.3	17.7	15.7	16.1	18.0	19.1	17.6
1932	24.3	13.5	13.6	18.1	18.1	18.7	17.3	16.1	15.5	18.3	16.3	17.7	17.3
1933	15.7	14.7	18.8	16.0	16.1	17.6	18.8	17.3	16.3	13.1	16.5	18.0	16.8
1934	25.6	18.5	20.0	15.3	16.0	18.3	17.2	18.4	18.5	16.1	14.7	20.1	18.2
1935	19.6	22.9	18.0	17.5	16.9	20.1	18.7	17.2	18.8	19.7	18.0	19.3	18.9
1936	16.4	11.3	14.3	14.8	17.5	19.3	20.3	17.7	18.3	19.2	18.9	21.1	17.4
1937	19.7	20.0	20.0	18.4	19.2	19.3	17.2	17.2	16.5	14.1	12.5	20.0	17.8
1938	24.5	17.7	18.9	11.5	19.1	19.9	19.1	17.4	18.1	17.8	19.7	18.1	18.5
1939	18.8	22.1	17.5	16.5	16.1	18.5	18.5	17.6	14.1	15.3	20.5	17.5	17.7
1940	16.6	15.3	16.1	17.0	16.3	19.1	19.7	17.1	17.5	15.0	20.6	23.0	17.8
Mean	20.2	17.9	16.8	16.0	17.3	18.9	18.5	17.4	16.9	16.5	17.6	19.4	17.8

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 17.9 m.

Means of  $\frac{1}{4}(10^h 8^m + 22^h 8^m + \text{Max.} + \text{Min.})$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.14	15.72	16.85	16.35	18.54	20.22	21.27	22.20	21.92	21.49	19.43	16.24	18.86
1932	16.69	16.07	16.42	16.76	17.88	19.84	21.07	22.33	21.89	20.89	18.52	16.51	18.70
1933	15.38	15.96	16.56	17.67	18.50	19.65	21.07	22.14	21.80	20.61	17.56	15.30	18.52
1934	14.70	14.22	15.21	15.85	17.18	19.62	20.84	21.36	21.59	20.74	17.75	17.50	18.05
1935	15.75	14.86	16.05	17.63	17.80	19.29	21.01	20.90	21.47	19.77	18.41	16.92	18.32
1936	16.78	15.87	15.89	16.23	16.61	18.83	21.30	21.49	22.27	20.28	17.92	16.66	18.34
1937	15.95	16.89	16.34	17.83	18.35	20.13	21.84	22.98	22.40	20.38	19.48	16.64	19.10
1938	15.40	16.31	16.54	17.78	18.08	19.99	21.01	21.81	21.39	20.66	19.70	16.86	18.79
1939	16.46	16.38	15.81	17.09	18.47	20.05	22.00	22.12	23.35	20.44	18.49	16.77	18.95
1940	16.08	15.90	16.89	17.13	18.11	19.70	21.23	23.73	22.28	20.75	19.66	16.40	18.99
Mean	15.93	15.82	16.26	17.03	17.95	19.73	21.26	22.11	22.04	20.55	18.69	16.58	18.66

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 18.6 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	24.1	0.0	170.3	87.0	9.8	13.4	0.0	1.8	2.6	146.1	17.0	205.1	677.2
1932	4.1	198.7	92.5	3.2	29.3	0.0	0.0	0.0	92.4	0.2	55.4	25.7	501.5
1933	107.7	52.8	34.2	2.0	22.4	0.0	0.0	0.0	10.2	142.6	18.2	95.4	485.5
1934	23.6	178.4	15.0	11.8	3.5	4.3	0.0	0.4	30.6	150.4	248.9	33.9	700.8
1935	28.7	5.2	10.7	8.8	10.9	0.0	0.0	0.2	15.7	15.5	49.8	62.6	208.1
1936	149.9	140.9	110.7	51.9	53.5	46.0	1.8	3.3	29.0	31.0	96.0	217.8	931.8
1937	153.6	0.0	3.8	2.2	0.0	23.5	1.0	0.5	36.1	211.0	161.7	7.7	611.1
1938	13.2	122.5	30.5	90.1	0.0	0.0	0.0	2.8	16.5	9.3	39.8	89.2	413.9
1939	77.5	51.2	36.3	22.8	0.7	0.0	0.0	2.5	111.4	106.4	11.9	247.0	667.7
1940	114.6	128.3	24.7	14.1	22.3	2.5	0.0	3.7	9.6	106.8	5.8	38.5	470.9
Mean	70.7	87.8	52.9	29.4	15.2	9.0	0.3	1.5	35.4	91.9	70.5	102.3	566.9

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.8	26.1	13.3	18.3	20.6	21.3	21.2	20.6	18.6	19.0	20.9	22.1	20.5
1932	27.2	16.5	16.6	21.0	21.0	21.6	20.2	19.0	18.5	21.2	19.2	20.6	20.2
1933	18.7	17.7	21.7	18.9	19.0	20.5	21.7	20.2	19.2	16.0	19.4	21.0	19.5
1934	28.6	21.5	23.0	18.3	18.9	21.2	20.1	21.3	21.4	19.0	17.6	23.0	21.2
1935	22.6	25.9	21.0	20.4	19.8	23.0	21.6	20.1	21.7	22.6	20.9	22.2	21.8
1936	19.3	14.3	17.3	17.8	20.4	22.2	23.2	20.6	21.2	22.1	21.8	24.0	20.4
1937	22.7	22.9	23.0	21.3	22.1	22.2	20.1	20.1	19.4	17.0	15.4	22.9	20.8
1938	27.5	20.7	21.9	14.4	22.0	22.8	22.0	20.3	21.0	20.7	22.6	21.0	21.4
1939	21.8	25.1	20.5	19.4	19.0	21.4	21.4	20.5	17.0	18.2	23.4	20.4	20.7
1940	19.6	18.3	19.0	19.9	19.2	22.0	22.6	20.0	20.4	17.9	23.5	26.0	20.7
Mean	23.2	20.9	19.7	19.0	20.2	21.8	21.4	20.3	19.8	19.4	20.5	22.3	20.7

## ISFJORD RADIO (SVALBARD RADIO),\* SPITSBERGEN

Lat. 78°4' N. Long. 13°38' E. H<sub>b</sub> = 10.6 m.

PRESSURE AT STATION LEVEL

Means of  $\frac{1}{3}(S^h + 14^h + 19^h)$ , central Europe time

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	109.3	98.5	113.0	117.4	115.7	115.1	109.0	106.7	104.6	100.2	107.2	95.5	107.7
1932	98.2	105.5	114.1	114.3	119.1	112.6	113.4	104.6	103.5	107.0	101.5	100.1	107.8
1933	98.5	113.2	114.9	109.0	118.0	109.9	105.2	105.6	111.7	108.0	106.4	109.5	109.2
1934	88.6	96.3	108.2	111.7	107.6	113.7	115.2	114.2	121.8	103.3	101.5	109.4	107.6
1935	100.9	89.1	113.0	120.2	115.0	113.6	108.8	110.0	112.4	105.0	109.9	110.8	109.1
1936	107.8	117.0	113.2	112.2	114.4	108.3	112.8	109.6	104.1	101.6	97.8	87.4	107.2
1937	102.0	104.2	119.1	110.8	111.3	103.3	114.4	109.2	105.5	102.4	104.5	112.9	108.3
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TEMPERATURE IN DEGREES C. h<sub>r</sub> = 1.7 m.

Integral means (see NOTES)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	-12.1	-8.3	-15.8	-5.5	-4.5	3.7	7.1	5.5	0.4	-6.9	-1.4	-8.8	-3.9
1932	-14.8	-12.6	-12.9	-12.8	-3.1	2.9	6.6	5.1	-0.7	-4.7	-10.8	-8.2	-5.5
1933	-3.7	-9.4	-14.1	-12.4	-2.4	3.0	6.3	5.1	2.9	-5.5	-7.2	-7.9	-3.8
1934	-8.3	-15.5	-6.6	-12.7	-2.9	3.4	6.9	6.9	4.1	-2.1	-5.0	-6.3	-3.2
1935	-11.1	-11.6	-10.7	-10.3	-5.9	1.5	5.2	5.1	-0.3	-0.4	-2.2	-7.0	-4.0
1936	-7.4	-13.4	-17.0	-9.9	-0.7	1.4	4.2	5.0	1.4	-2.4	-6.3	-7.4	-4.4
1937	-2.6	-13.1	-10.1	-5.8	-1.8	1.9	5.1	5.2	1.5	-2.8	-5.6	-3.7	-2.6
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.9 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	12.6	24.0	10.1	17.6	4.2	0.8	14.8	19.3	28.1	25.4	34.1	23.0	214.0
1932	2.1	7.8	12.1	1.9	2.1	11.2	1.3	18.8	1.4	17.5	15.3	11.5	103.0
1933	61.5	8.5	4.3	2.1	2.5	8.9	10.4	39.6	32.0	34.8	41.6	24.8	271.0
1934	23.7	17.8	12.2	6.0	20.9	1.7	9.1	3.3	32.8	23.1	26.1	19.5	196.2
1935	13.6	18.9	19.5	19.4	3.6	5.4	11.4	19.4	2.9	23.0	67.0	14.1	218.2
1936	6.4	27.4	5.9	21.4	54.3	31.8	11.9	19.8	31.0	53.3	27.7	7.5	298.4
1937	82.2	15.4	3.2	65.7	55.5	39.4	49.4	138.0	14.6	48.7	21.7	57.6	591.4
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 48.



## BARBADOS (BOTANIC STATION), WEST INDIES

Lat. 13°8' N. Long. 59°36' W.

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 190 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.39	1.48	1.03	2.51	1.84	12.12	10.57	6.95	12.40	8.96	12.15	0.99	73.39
1932	4.31	1.15	2.40	2.65	2.21	4.50	4.42	7.42	7.59	6.76	10.88	7.58	61.87
1933	4.30	2.01	1.12	2.05	2.00	4.50	10.20	10.64	9.82	11.88	11.23	4.95	74.70
1934	3.09	1.09	0.58	0.83	3.09	1.72	4.03	3.90	5.99	4.87	4.61	5.90	39.70
1935	4.36	2.43	1.97	1.90	5.14	1.48	9.59	9.03	8.69	9.12	11.14	4.84	69.69
1936	1.74	1.18	0.12	1.78	3.67	9.45	12.00	6.25	5.63	7.57	6.64	4.19	60.22
1937	9.70	1.65	1.33	2.01	1.26	2.86	3.56	3.78	5.81	8.57	8.37	5.30	54.20
1938	3.26	2.49	2.02	1.19	3.46	4.37	6.79	8.31	10.58	10.42	23.09	6.89	88.37
1939	2.34	3.34	1.28	0.87	0.79	3.03	3.97	4.63	3.79	8.25	9.02	2.53	43.84
1940	2.32	0.44	5.46	0.56	1.11	2.54	5.50	6.50	6.17	6.07	7.18	1.89	45.74
Mean	3.78	1.73	1.73	1.63	2.46	4.66	7.06	6.79	7.65	8.25	10.93	4.50	61.17

## HABANA, CUBA, WEST INDIES

Lat. 23°9' N. Long. 82°21' W. H<sub>b</sub> = 50 m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of bihourly observations,\* 75th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	63.8	62.4	61.8	61.8	60.6	61.5	61.0	62.6	60.6	60.8	62.1	63.3	61.9
1932	64.4	63.8	61.6	61.3	61.2	60.6	62.1	60.7	59.9	59.9	61.8	64.1	61.7
1933	63.5	64.1	62.9	60.7	60.6	60.8	61.7	60.4	59.3	58.3	62.7	64.8	61.7
1934	64.3	64.4	63.8	61.8	60.3	61.0	62.6	62.6	61.1	60.6	62.3	64.2	62.4
1935	63.9	64.2	64.3	61.6	61.3	61.7	62.0	61.2	59.7	60.8	62.4	63.8	62.2
1936	62.7	62.2	61.3	62.5	60.1	59.4	62.1	61.0	60.9	60.6	62.5	63.3	61.6
1937	63.6	62.8	61.6	61.9	60.6	61.8	62.9	61.6	61.4	60.4	61.1	63.5	61.9
1938	64.4	65.2	63.5	62.7	61.7	63.1	62.7	62.1	60.6	60.4	61.8	63.4	62.6
1939	63.6	63.8	63.5	62.0	60.9	61.7	62.5	61.3	60.8	60.0	62.2	62.7	62.1
1940	63.6	62.4	61.2	61.5	60.6	61.4	62.7	61.2	58.7	60.9	62.6	61.6	61.5
Mean	63.8	63.5	62.6	61.8	60.8	61.3	62.2	61.5	60.3	60.3	62.2	63.5	61.98

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.

Means of bihourly observations\*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.7	20.9	21.3	23.2	25.5	26.5	27.1	27.8	27.0	25.6	23.5	23.9	24.4
1932	23.1	23.8	22.9	23.6	24.9	26.5	27.4	27.2	27.4	26.1	23.0	22.8	24.9
1933	22.3	23.4	23.5	25.4	26.3	26.1	27.1	26.9	26.6	25.9	23.5	22.7	25.0
1934	22.4	21.8	22.5	24.4	25.3	26.3	26.8	27.0	26.8	25.8	23.6	22.4	24.6
1935	21.6	21.5	23.4	25.5	27.1	27.2	27.3	27.0	27.0	25.5	23.2	20.8	24.8
1936	22.5	22.5	22.3	24.5	25.3	26.0	26.9	26.7	26.8	26.9	24.0	22.9	24.8
1937	23.8	23.0	23.3	24.5	25.5	26.6	26.9	27.4	27.1	25.8	23.3	21.6	24.9
1938	21.6	22.2	24.0	24.6	25.8	26.4	26.8	26.8	26.8	25.4	24.3	22.1	24.7
1939	22.1	23.8	23.8	24.6	25.1	26.0	26.9	27.2	27.0	25.6	22.8	21.3	24.7
1940	19.9	20.0	22.0	23.4	24.8	26.5	27.2	27.5	26.2	24.4	23.5	23.1	24.0
Mean	22.0	22.3	22.9	24.4	25.6	26.4	27.0	27.2	26.9	25.7	23.5	22.4	24.68

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	140.8	91.7	37.5	118.9	22.7	167.4	103.4	47.3	218.9	208.4	419.7	11.2	1537.9
1932	21.2	55.7	133.1	48.3	175.1	139.1	65.5	163.5	118.9	195.7	80.8	33.9	1230.8
1933	42.1	14.0	68.1	49.8	87.9	160.0	171.8	274.6	243.7	268.5	43.3	16.6	1440.4
1934	1.8	92.7	68.6	69.1	151.1	95.1	124.8	109.2	111.5	112.8	141.4	29.5	1107.8
1935	47.0	38.6	0.8	22.1	17.6	42.5	53.9	234.3	128.3	178.9	46.9	24.8	834.7
1936	56.2	96.0	85.4	38.6	70.1	328.2	141.7	141.0	59.2	31.8	148.2	21.6	1218.0
1937	1.1	90.5	110.0	30.6	43.5	274.6	127.6	99.2	62.3	88.8	61.3	47.3	1036.3
1938	19.6	26.7	10.2	18.5	116.6	123.5	118.7	70.6	274.6	188.3	80.9	38.1	1086.3
1939	33.1	12.2	33.5	101.1	74.0	255.3	58.0	61.0	51.7	108.2	109.0	94.5	991.6
1940	56.8	40.1	70.0	43.2	108.1	74.3	96.7	75.3	197.3	72.6	84.4	102.4	971.2
Mean	42.0	55.8	61.7	54.0	86.7	166.0	106.2	127.6	146.6	145.4	116.5	42.0	1150.5

\* Observations taken every 2 hours; 12 observations daily.

## RICHMOND HILL, GRENADA, WEST INDIES

Lat. 12°5' N. Long. 61°45' W. H = 617 ft.

TEMPERATURE IN DEGREES F.

Means of (see NOTES)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	79.5	80.0	85.5	80.0	80.0	78.5	79.5	80.5	80.5	79.0	81.0	80.5	80.4
1932	80.0	79.5	81.5	80.0	79.0	78.0	79.5	80.0	80.0	79.0	79.0	79.0	79.5
1933	80.5	81.0	79.5	78.0	78.5	79.5	79.0	79.0	79.5	78.5	79.0	80.5	79.4
1934	78.5	80.0	81.0	79.0	81.0	79.0	79.5	79.5	79.5	80.0	79.0	79.0	79.6
1935	77.5	78.0	78.0	78.0	78.5	78.5	79.0	77.0	77.0	78.5	77.0	77.5	77.9
1936	80.0	80.0	79.5	80.0	79.0	79.5	78.5	80.0	79.0	75.0	79.0	79.5	79.1
1937	80.0	80.0	79.5	79.5	80.0	78.5	79.0	80.0	79.5	80.0	79.5	79.5	79.0
1938	79.5	80.0	77.5	79.0	79.5	79.5	79.5	80.0	79.5	79.5	78.5	80.0	79.3
1939	81.0	80.2	79.0	79.0	80.1	80.5	...	82.5	...	...	...	79.5	...
1940	79.0	78.9	79.4	83.0	84.8	...	78.5	...	81.0	83.7	80.0	80.0	...
Mean	79.6	79.8	80.0	79.6	80.0	79.2	79.2	79.8	79.5	79.3	79.1	79.5	*79.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.43	3.34	0.74	2.49	2.71	12.93	18.11	9.17	12.97	16.86	14.39	6.57	102.71
1932	10.39	1.74	0.74	2.22	9.72	17.57	7.05	11.73	8.88	11.74	7.98	13.86	103.64
1933	12.32	2.70	7.26	3.22	6.35	14.43	7.64	9.10	6.76	10.78	6.11	9.05	95.72
1934	9.61	2.70	4.33	4.53	7.10	15.45	7.15	12.91	10.45	14.42	12.06	8.20	108.91
1935	3.16	2.24	3.27	1.87	9.70	3.89	6.97	9.37	11.10	5.33	5.55	4.95	67.40
1936	6.01	3.27	0.52	2.38	7.90	6.27	10.93	6.81	10.88	1.62	9.41	6.80	72.80
1937	4.64	1.83	1.35	4.69	3.05	6.04	5.75	8.58	6.79	15.22	6.89	10.85	75.68
1938	6.24	2.14	3.78	7.94	12.47	15.36	10.79	13.65	13.57	13.10	14.45	9.17	122.66
1939	5.93	3.49	6.23	6.57	11.61	10.23	5.76	3.53	2.66	8.93	5.49	4.87	75.30
1940	2.55	1.46	3.67	3.67	1.04	5.60	9.20	...	3.74	7.66	7.17	5.94	...
Mean	6.33	2.49	3.19	3.95	7.17	10.78	8.94	9.43	8.78	10.57	8.95	8.03	†88.61

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## PORT-AU-PRINCE, HAITI, WEST INDIES

Lat. 18°33' N. Long. 72°20' W. H<sub>b</sub> = 37.42 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+13^h+21^h)$ , 75th meridian W.  
750 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	8.16	7.36	7.32	7.01	6.48	7.49	7.23	8.16	6.47	6.28	5.47	8.35	7.15
1932	8.83	8.77	7.64	6.63	6.93	7.16	7.94	6.83	5.98	5.89	5.56	8.07	7.18
1933	8.30	9.44	8.31	7.06	7.22	6.99	7.92	6.98	6.19	5.00	6.01	8.03	7.34
1934	8.83	9.47	8.65	8.06	7.38	7.94	8.52	8.40	7.05	6.66	6.07	8.45	7.96
1935	8.22	9.16	9.44	7.37	7.58	7.97	7.91	7.00	6.51	5.76	6.84	8.15	7.66
1936	8.17	8.50	7.38	8.18	5.91	6.76	8.00	6.75	6.75	6.47	6.66	7.53	7.26
1937	8.27	8.51	7.33	7.71	6.83	8.35	8.37	7.38	6.39	6.03	5.32	7.26	7.31
1938	9.08	9.47	9.08	8.18	7.84	8.81	8.53	7.17	6.66	5.96	5.95	7.38	7.83
1939	9.14	9.82	9.18	8.87	7.81	8.62	8.91	7.53	7.47	5.74	6.11	8.06	8.11
1940	8.69	8.29	7.62	7.72	7.05	8.32	8.98	7.73	6.16	6.32	6.88	7.81	7.64
Mean	8.57	8.88	8.19	7.68	7.10	7.84	8.23	7.39	6.56	6.01	6.09	7.91	7.54

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.Means of  $\frac{1}{4}(7^h+13^h+21^h+24^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.1	24.8	26.3	26.4	26.7	27.2	27.4	28.1	27.3	27.1	25.6	25.7	26.5
1932	25.1	25.4	26.3	26.6	26.5	28.1	27.3	27.4	27.3	26.6	25.7	25.1	26.4
1933	25.0	25.5	25.9	27.0	27.5	27.0	28.3	27.8	27.1	26.3	26.0	24.7	26.5
1934	25.1	24.8	25.5	26.2	26.9	27.8	27.6	27.7	27.1	26.3	25.4	25.3	26.3
1935	24.3	24.8	25.7	26.7	26.7	27.5	28.9	27.6	28.0	26.3	25.7	24.7	26.4
1936	25.3	25.4	26.3	27.3	27.1	28.3	29.1	27.9	27.1	27.1	26.7	25.3	26.9
1937	25.5	25.4	26.4	26.7	25.9	28.0	28.6	28.2	27.8	27.1	26.3	24.8	26.7
1938	24.7	24.6	25.6	25.9	27.0	28.1	28.6	28.2	27.2	26.6	26.4	25.2	26.5
1939	25.2	25.4	25.3	26.4	26.8	27.0	28.1	27.8	27.3	26.8	26.3	25.3	26.5
1940	25.0	25.5	26.6	27.2	26.7	28.3	29.2	29.1	27.8	26.4	26.0	25.8	27.0
Mean	25.0	25.2	26.0	26.6	26.8	27.7	28.3	28.0	27.4	26.7	26.0	25.2	26.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 2 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	69.7	51.8	30.9	444.6	310.6	184.4	121.3	198.0	87.8	65.5	61.5	4.5	1620.6
1932	12.9	2.2	44.9	193.7	160.3	74.8	152.3	221.0	117.5	296.8	139.4	0.0	1415.8
1933	9.5	5.3	78.9	49.0	146.0	120.1	32.3	197.2	205.3	111.4	50.7	62.5	1063.2
1934	27.3	98.3	93.1	139.6	67.4	138.8	128.3	129.3	147.3	240.3	51.5	24.8	1236.0
1935	89.0	75.1	95.9	95.7	213.9	113.6	65.2	270.8	34.9	189.0	60.4	1.0	1304.5
1936	14.7	80.6	50.8	104.4	321.0	77.7	70.0	137.8	334.1	116.0	39.4	68.0	1414.5
1937	10.5	27.5	102.0	75.9	445.8	30.6	13.9	153.2	323.1	60.8	169.3	24.3	1441.9
1938	2.0	23.4	57.8	87.3	266.5	59.3	79.1	134.0	182.6	137.1	30.0	11.9	1071.0
1939	5.2	79.1	113.4	89.0	317.5	110.2	113.6	115.0	186.2	179.1	90.3	23.0	1421.6
1940	2.9	11.3	12.4	84.9	174.3	99.2	54.5	56.2	120.5	306.2	82.1	42.2	1046.7
Mean	24.4	45.5	68.0	136.4	242.3	100.9	83.0	161.7	173.9	170.2	76.5	26.2	1309.1

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

750 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.33	10.54	10.47	10.16	9.62	10.63	10.36	11.30	9.61	9.45	8.62	11.50	10.30
1932	12.00	11.94	10.79	9.77	10.07	10.29	11.08	9.97	9.12	9.04	8.71	11.24	10.33
1933	11.47	12.61	11.46	10.20	10.30	10.13	11.05	10.11	9.34	8.15	9.16	11.86	10.49
1934	12.00	12.64	11.80	11.21	10.51	11.08	11.66	11.54	10.20	9.83	9.24	11.62	11.11
1935	11.40	12.33	12.59	10.21	10.72	11.09	11.05	10.13	9.66	8.91	9.99	11.32	10.81
1936	11.34	11.67	10.53	11.32	9.04	9.88	11.13	9.89	9.89	9.61	9.80	10.70	10.40
1937	11.44	11.68	10.48	10.86	9.98	11.48	11.49	10.51	9.52	9.17	8.47	10.43	10.46
1938	12.25	12.64	12.24	11.34	10.98	11.94	11.66	10.30	9.80	9.10	9.10	10.55	10.99
1939	12.31	12.99	12.35	12.02	10.95	11.76	12.04	10.66	10.61	8.88	9.26	11.23	11.25
1940	11.86	11.45	10.76	10.86	10.19	11.45	12.10	10.85	9.28	9.46	10.02	10.96	10.77
Mean	11.74	12.05	11.35	10.82	10.24	10.97	11.36	10.53	9.70	9.16	9.24	11.14	10.69

NEGRIL POINT LIGHTHOUSE, JAMAICA, WEST INDIES

Lat. 18°15'N. Long. 78°23' W. H<sub>b</sub> = 33 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{2}(7^h+15^h)$ ,\* 75th meridian W.  
29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.967	.937	.940	.916	.882	.922	.917	.961	.886	.874	.859	.960	.918
1932	.985	.998	.947	.899	.904	.906	.951	.912	.875	.863	.856	.958	.921
1933	.971	1.013	.968	.922	.914	.897	.947	.912	.866	.801	.887	.986	.924
1934	.991	1.016	.985	.968	.921	.945	.981	.971	.913	.891	.894	.971	.953
1935	.978	1.015	1.011	.933	.935	.950	.958	.925	.979	.848	.918	.965	.951
1936	.957	.974	.933	.965	.869	.883	.950	.907	.901	.885	.900	.943	.922
1937	.960	.983	.926	.944	.894	.954	.972	.936	.894	.867	.850	.934	.926
1938	1.001	1.017	.997	.966	.947	.980	.981	.925	.903	.875	.875	.940	.961
1939	.996	1.023	1.014	.983	.940	.960	.984	.931	.921	.865	.877	.963	.955
1940	.998	.971	.936	.935	.894	.933	.969	.927	.852	.856	.884	.917	.923
Mean	.980	.995	.976	.943	.910	.933	.961	.931	.899	.862	.880	.954	.935

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4½ ft.

Means of 4-hourly observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	77.4	76.9	77.0	79.6	80.9	80.7	80.9	82.0	80.9	80.2	78.8	78.5	79.5
1932	76.9	76.5	77.0	78.4	79.1	80.6	81.0	80.8	81.9	80.5	78.6	78.1	79.1
1933	76.1	75.9	76.2	78.1	79.5	79.8	80.2	79.9	79.2	79.1	78.3	76.7	78.3
1934	75.3	75.3	75.3	77.2	79.9	81.1	80.1	80.5	80.6	80.2	78.2	77.5	78.4
1935	75.3	75.3	75.4	77.9	79.3	79.8	80.1	79.2	80.3	79.4	77.8	76.5	78.0
1936	75.9	76.1	76.8	77.8	79.8	80.4	81.0	81.1	80.2	79.8	79.3	77.0	78.8
1937	76.9	75.3	76.5	78.5	79.5	80.4	80.4	80.9	81.4	79.8	78.6	77.4	78.8
1938	76.0	75.5	75.7	76.3	79.0	80.4	80.0	80.2	80.2	80.1	78.9	77.9	78.3
1939	76.3	75.3	75.3	75.6	78.2	79.3	79.6	80.3	81.3	80.4	78.5	77.6	78.1
1940	76.0	75.8	78.0	79.0	80.4	81.0	81.8	81.1	81.1	79.8	79.7	78.0	79.3
Mean	76.2	75.8	76.3	77.8	79.6	80.3	80.5	80.6	80.7	79.9	78.7	77.5	78.7

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 6½ ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.87	1.34	1.54	2.30	6.32	9.21	3.38	2.31	6.33	4.39	3.74	1.71	45.44
1932	1.81	0.53	1.69	5.65	6.80	5.70	5.51	7.04	3.70	3.95	9.70	2.47	54.55
1933	1.70	0.16	8.56	0.37	2.62	10.78	4.34	11.94	8.83	18.85	7.79	1.13	77.07
1934	1.72	2.44	4.22	6.34	2.89	1.65	6.09	4.39	1.78	4.43	2.13	3.38	41.46
1935	0.77	4.16	2.35	4.83	6.26	3.74	12.70	6.24	7.23	9.84	0.16	2.66	60.94
1936	3.97	1.09	2.42	6.28	7.92	7.84	3.40	4.91	5.71	7.29	2.04	2.34	55.21
1937	1.83	1.55	3.01	2.10	10.43	4.54	6.00	2.28	3.99	12.27	7.97	0.40	56.37
1938	0.82	0.42	2.40	1.11	6.57	2.36	4.01	8.85	5.56	8.62	1.46	0.23	42.41
1939	1.22	0.19	4.67	7.40	5.93	7.32	6.01	5.63	5.11	5.63	9.55	1.18	59.84
1940	2.98	1.84	2.31	1.25	9.33	4.33	3.77	3.64	4.44	4.06	2.49	5.74	46.18
Mean	1.97	1.37	3.32	3.76	6.51	5.75	5.52	5.72	5.27	7.93	4.70	2.13	53.95

\* Reduced to means of 24 hours.

## FORT-DE-FRANCE, MARTINIQUE, WEST INDIES

Lat. 14°37' N. Long. 61°4' W.\* H = 146 m.

## PRESSURE AT SEA LEVEL

Means of 24 hours

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	12.9	14.7	13.3	12.2	13.3	13.7	14.3	12.6	12.1	11.3	10.9	12.6	12.7
1933	13.7	15.4	14.6	13.3	14.1	13.9	13.5	13.7	12.2	11.0	10.5	13.3	13.3
1934	14.6	16.1	14.9	15.0	14.5	14.7	14.9	14.1	12.9	12.7	11.3	14.5	14.2
1935	14.1	14.5	15.4	13.8	14.2	14.6	15.0	12.5	13.3	12.1	11.8	13.5	13.7
1936	14.6	15.0	14.1	14.5	11.9	13.8	14.6	13.0	12.5	12.5	11.9	12.7	13.4
1937	13.8	14.6	13.8	14.5	13.9	15.1	14.9	13.7	12.2	11.9	10.7	11.3	13.4
1938	14.3	15.1	14.3	13.7	14.1	15.5	14.6	12.3	13.0	11.4	11.0	11.9	13.4
1939	15.0	15.9	14.9	15.5	14.6	15.1	15.5	13.8	13.5	11.3	11.9	14.3	14.2
1940	15.1	14.9	13.9	14.3	13.8	15.3	15.9	14.3	13.0	12.7	11.8	14.1	14.1
Mean	14.2	15.1	14.4	14.1	13.8	14.6	14.8	13.3	12.7	11.9	11.3	13.1	13.6

TEMPERATURE IN DEGREES C.  $h_t = 1.7$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	24.6	25.7	25.9	26.4	26.9	26.9	26.6	27.3	27.2	27.0	26.2	25.1	26.3
1933	24.3	24.4	26.0	26.8	27.3	26.7	26.8	26.8	26.6	26.6	25.8	24.9	26.1
1934	24.6	24.8	25.1	26.0	26.1	27.6	25.7	25.5	25.7	26.8	26.2	24.9	25.7
1935	24.4	24.3	23.8	24.6	25.3	26.9	25.7	25.4	25.1	25.8	25.7	23.5	25.1
1936	23.9	23.9	24.8	25.3	26.2	25.9	25.8	26.1	26.5	25.9	24.9	24.1	25.3
1937	23.3	23.7	24.3	24.8	26.3	26.3	26.3	26.5	26.9	25.9	25.9	24.9	25.4
1938	23.6	23.3	24.0	24.2	25.6	25.3	25.8	25.9	25.9	26.2	24.6	24.6	24.9
1939	23.6	22.9	25.2	24.1	25.3	25.4	25.6	26.3	26.4	26.2	25.7	25.5	25.0
1940	24.9	24.4	24.9	26.1	26.9	26.4	26.0	26.4	26.5	26.6	26.1	24.8	25.5
Mean	24.1	24.1	24.6	25.4	26.2	26.4	26.0	26.2	26.4	26.3	25.7	24.7	25.5

TOTAL PRECIPITATION IN MILLIMETERS.  $h_t = 1.80$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	93.9	51.6	62.9	51.7	123.7	205.5	223.5	164.6	226.6	245.5	385.5	98.3	1933.4
1933	165.4	54.1	49.4	32.2	153.3	198.1	263.0	245.3	437.5	233.2	242.9	101.3	2176.2
1934	47.5	23.2	55.4	44.3	108.4	55.7	160.6	210.9	117.3	111.2	152.7	197.3	1284.5
1935	85.1	47.0	99.9	68.9	135.9	69.0	305.7	360.0	183.1	190.4	100.3	79.8	1725.1
1936	58.8	67.9	18.6	25.9	285.9	255.0	212.0	305.6	218.4	368.4	190.3	105.5	2112.4
1937	161.7	48.4	17.7	80.5	23.9	84.2	148.2	118.8	216.1	167.6	213.4	63.4	1343.9
1938	90.9	43.5	47.4	48.1	137.0	177.9	186.0	348.1	235.4	151.5	373.3	156.2	1995.1
1939	95.1	71.2	101.8	36.0	42.8	183.2	103.3	137.4	134.6	220.4	256.9	31.5	1414.2
1940	35.8	56.9	67.0	33.1	34.4	186.9	172.9	130.5	96.7	134.6	270.3	88.6	1307.7
Mean	92.7	51.5	57.8	46.7	116.1	157.3	197.2	224.6	207.3	202.5	242.8	102.4	1699.1

\* See NOTES, p. 49.

## SAN JUAN, PUERTO RICO, WEST INDIES

Lat. 18°28' N. Long. 66°7' W. H<sub>0</sub> = 82 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 8<sup>h</sup>30<sup>m</sup> \*, 60th meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.910	.865	.880	.871	.840	.905	.884	.924	.845	.847	.788	.923	.874
1932	.927	.936	.886	.864	.865	.904	.913	.855	.816	.809	.806	.892	.873
1933	.921	.966	.926	.872	.891	.885	.915	.877	.833	.790	.816	.922	.884
1934	.939	.952	.932	.928	.910	.936	.950	.934	.875	.855	.812	.934	.913
1935	.905	.949	.981	.892	.907	.928	.940	.872	.873	.828	.842	.907	.902
1936	.934	.932	.898	.931	.823	.892	.941	.873	.852	.859	.862	.883	.890
1937	.944	.936	.896	.908	.870	.948	.943	.897	.828	.827	.792	.870	.888
1938	.945	.969	.958	.933	.917	.974	.952	.879	.860	.823	.830	.871	.909
1939	.971	.979	.962	.965	.923	.950	.959	.900	.887	.797	.827	.910	.919
1940	.933	.914	.898	.905	.880	.945	.967	.915	.833	.831	.834	.907	.897
Mean	.933	.940	.922	.907	.883	.927	.936	.893	.850	.827	.821	.902	.895

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 10 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.), not corrected

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	76.0	75.4	78.2	78.0	81.4	81.1	81.5	81.4	80.6	80.4	78.6	76.8	79.1
1932	75.1	74.3	76.6	77.8	79.0	80.8	80.8	81.6	82.0	80.8	79.2	77.4	78.8
1933	75.3	75.0	75.9	76.9	79.4	80.6	80.8	81.1	80.1	80.4	79.0	76.7	78.4
1934	74.8	75.1	75.2	77.0	78.6	79.7	79.5	80.2	80.2	80.6	78.0	76.6	78.0
1935	74.4	74.1	74.8	76.2	77.8	79.2	80.0	80.4	80.3	79.0	77.7	76.1	77.5
1936	75.2	75.6	75.6	77.2	79.4	81.3	80.0	80.2	80.4	79.2	77.8	75.8	78.1
1937	73.8	74.2	76.7	77.4	80.8	80.4	80.6	80.8	81.6	80.2	80.0	76.8	78.6
1938	75.1	73.6	74.6	74.7	77.6	79.0	79.6	80.4	80.5	79.4	77.4	76.8	77.4
1939	74.4	74.0	74.1	75.6	77.2	78.4	79.8	80.5	80.7	80.7	79.2	76.9	77.6
1940	76.0	76.3	76.4	77.6	78.9	79.9	81.0	81.0	81.8	81.3	79.2	77.1	78.9
Mean	75.0	74.8	75.8	76.8	79.0	80.0	80.4	80.8	80.8	80.2	78.6	76.7	78.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.67	5.84	2.54	8.29	7.46	9.45	9.56	5.54	10.60	6.40	15.64	4.57	87.56
1932	6.27	1.01	1.08	5.92	13.82	8.98	5.07	4.60	6.54	7.45	5.84	3.65	70.23
1933	2.30	0.71	5.24	6.36	10.35	7.97	2.62	4.42	7.28	2.64	5.68	4.77	60.34
1934	8.09	1.80	2.42	1.25	1.78	4.99	6.84	6.72	11.56	4.73	6.74	9.53	66.45
1935	3.11	6.46	1.18	0.42	5.08	3.12	4.66	5.12	6.42	6.11	5.16	2.08	48.92
1936	2.47	1.03	1.43	2.38	16.88	3.43	7.52	9.30	5.84	6.37	5.55	9.87	72.07
1937	15.47	1.33	0.93	1.34	1.50	3.83	5.76	6.18	2.73	5.98	8.52	2.95	56.52
1938	2.08	2.26	4.09	1.72	1.58	11.76	5.10	4.72	5.57	5.69	6.86	5.46	56.89
1939	3.11	2.52	1.86	4.09	9.77	3.17	3.31	3.99	6.23	9.54	6.87	4.72	59.18
1940	3.49	3.49	2.16	10.23	7.74	3.87	2.44	4.32	1.49	2.75	4.42	3.54	49.94
Mean	4.81	2.64	2.29	4.20	7.60	6.06	5.29	7.13	6.43	5.77	5.11	5.49	62.82

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.9	14.4	14.8	14.4	13.2	15.6	14.7	16.2	13.4	13.5	11.5	16.3	14.5
1932	16.5	16.8	15.1	14.1	14.2	15.5	15.8	13.7	12.4	12.2	12.1	15.2	14.9
1933	16.3	17.8	16.5	14.5	15.1	14.8	16.0	14.6	13.0	11.6	12.5	16.3	14.5
1934	16.9	17.3	16.7	16.5	15.8	16.7	17.2	16.6	14.4	13.8	12.3	16.7	15.9
1935	15.8	17.3	18.3	15.1	15.7	16.4	16.8	14.4	14.4	12.8	13.3	15.8	15.5
1936	16.8	16.6	15.5	16.6	12.6	15.1	16.9	14.4	13.6	13.9	14.0	14.9	15.1
1937	17.1	16.8	15.4	15.7	14.3	17.1	16.9	15.2	12.8	12.8	11.7	14.5	15.0
1938	17.1	17.9	17.6	16.7	16.0	18.1	17.3	14.6	13.9	12.7	13.0	14.4	15.8
1939	18.0	18.3	17.6	17.8	16.2	17.2	17.5	15.3	14.9	11.8	12.8	15.8	16.1
1940	16.7	16.1	15.4	15.6	14.8	17.0	17.8	15.9	13.0	12.9	13.1	15.8	15.3
Mean	16.7	16.9	16.3	15.7	14.8	16.3	16.7	15.1	13.8	12.3	12.6	15.6	15.3

\* Corrected to means of 24 hours.

## TRINIDAD (ST. CLAIR EXPERIMENT STATION) WEST INDIES

Lat. 10°40' N. Long. 61°31' W. h<sub>t</sub> = 2 ft. 9 in.

TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}(7^h + 15^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	78.9	78.0	82.3	83.7	84.4	82.4	80.7	81.3	81.2	81.3	80.6	77.3	81.1
1932	76.9	76.4	76.1	80.9	80.1	79.2	79.6	78.7	79.7	80.4	79.3	78.2	78.8
1933	76.7	76.9	77.6	79.2	79.7	78.8	78.6	78.1	78.6	77.9	78.5	76.9	78.1
1934	75.9	75.2	75.7	79.6	80.5	80.4	79.2	79.3	79.1	78.9	78.5	77.5	78.3
1935	76.8	77.4	78.1	78.3	79.6	79.9	79.0	78.8	79.2	80.3	78.0	77.9	78.6
1936	76.8	76.8	79.0	80.8	81.3	79.2	79.1	78.7	78.9	79.5	79.0	78.0	78.9
1937	77.9	77.0	78.5	80.1	81.8	80.9	79.7	79.4	80.5	80.4	78.6	78.6	79.4
1938	78.1	77.9	78.0	78.8	80.0	80.5	79.4	80.3	78.8	80.2	78.3	77.7	79.0
1939	77.7	76.9	77.0	78.9	79.5	79.4	79.0	78.3	79.6	79.9	80.5	78.8	78.8
1940	77.8	79.2	80.1	82.1	82.8	82.2	80.6	80.5	80.6	81.1	80.1	78.6	80.5
Mean	77.4	77.2	78.2	80.2	81.0	80.3	79.5	79.3	79.6	80.0	79.1	78.0	79.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 10 $\frac{1}{2}$  in.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.68	1.11	0.07	0.29	1.12	6.94	10.96	8.89	4.85	6.59	7.94	5.77	56.21
1932	5.61	1.72	4.33	3.99	9.25	10.53	5.80	16.04	3.85	4.60	10.23	8.01	83.96
1933	3.87	1.25	1.91	1.36	2.85	10.19	9.93	16.07	11.52	7.41	5.38	6.29	78.03
1934	2.57	0.90	0.74	0.17	0.82	3.05	9.43	7.24	6.55	8.50	10.08	5.30	55.35
1935	0.53	0.57	1.23	0.42	5.03	2.36	7.35	13.23	11.41	3.82	11.25	3.45	60.65
1936	1.16	0.28	0.11	2.43	5.62	10.52	11.33	5.93	8.13	4.95	7.06	5.53	63.05
1937	3.62	1.24	0.70	2.59	0.20	4.33	7.09	8.69	5.41	4.17	12.08	7.88	58.00
1938	3.50	2.63	3.95	6.45	6.79	5.87	9.65	10.15	11.61	7.49	10.32	11.73	90.14
1939	1.08	2.36	0.94	1.86	2.35	5.39	7.54	8.41	8.44	9.91	3.20	4.89	56.37
1940	1.26	0.27	1.62	0.49	1.13	5.33	4.27	10.83	6.00	5.62	9.45	4.26	50.53
Mean	2.49	1.23	1.56	2.01	3.51	6.45	8.34	10.55	7.78	6.31	8.70	6.31	65.23



## ANNA'S HOPE,\* VIRGIN ISLANDS, WEST INDIES

Lat. 17°45' N. Long. 64°42' W. h<sub>t</sub> = 4 ft.

TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}(8^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	75.2	75.6	77.4	78.6	80.2	80.2	80.6	81.2	78.7	79.6	78.8	76.6	78.6
1932	74.7	73.4	74.7	76.9	79.4	80.6	80.8	80.9	79.8	79.2	78.5	76.9	78.0
1933	74.5	73.5	75.4	75.6	78.4	79.9	81.4	80.2	80.0	79.6	78.8	76.2	77.8
1934	75.7	75.3	76.2	77.0	78.2	79.0	79.4	80.3	79.3	79.6	79.2	77.6	78.1
1935	75.8	76.2	77.4	78.0	78.4	79.0	79.2	80.7	80.4	79.3	78.6	77.2	78.3
1936	77.6	76.0	76.5	79.2	79.7	80.8	80.4	80.6	79.6	81.0	78.8	77.1	78.9
1937	76.2	75.6	77.2	78.1	80.2	82.9	85.9	83.0	82.7	79.9	80.6	78.6	79.9
1938	78.0	77.2	78.0	77.2	80.5	80.2	81.9	81.8	82.1	80.0	78.4	77.7	79.4
1939	76.2	75.8	76.2	77.8	79.9	81.4	82.6	82.3	82.1	80.8	79.4	78.6	79.4
1940	77.4	77.3	78.0	79.9	80.7	82.6	83.2	83.6	82.6	81.2	79.8	78.6	80.4
Mean	76.1	75.6	76.7	77.8	79.6	80.7	81.3	81.5	80.7	80.0	79.1	77.5	78.9

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.00	0.92	0.69	1.74	5.47	7.88	5.14	4.86	9.96	13.08	12.11	1.90	65.75
1932	3.81	1.47	1.17	1.91	9.60	3.23	2.14	5.84	11.59	6.46	3.46	3.59	54.27
1933	2.83	0.73	2.46	6.87	12.78	6.60	3.67	5.06	8.96	5.08	8.45	4.10	67.59
1934	4.08	0.61	3.10	1.19	1.79	2.27	5.12	3.56	6.31	4.20	3.60	3.31	39.14*
1935	2.52	3.53	0.91	1.10	3.47	3.30	2.85	4.26	5.64	7.44	3.79	3.07	41.88
1936	1.65	2.52	0.90	1.37	7.51	2.88	9.20	7.25	4.97	10.62	7.58	4.68	61.13
1937	8.91	1.08	1.75	3.29	1.93	0.94	1.26	2.23	6.83	5.67	3.17	2.73	39.79
1938	1.43	1.46	1.34	1.70	1.21	4.68	2.26	4.17	3.14	5.12	11.47	3.33	41.31
1939	2.04	1.08	2.32	2.00	0.88	1.11	1.16	3.05	4.41	7.92	4.95	1.37	32.29
1940	1.09	2.16	1.14	1.66	2.92	1.19	1.63	1.82	5.63	8.63	7.83	2.81	38.51
Mean	3.04	1.56	1.53	2.28	4.76	3.41	3.44	4.21	6.74	7.42	6.64	3.09	48.17

\* See NOTES, p. 50.



# NORTH PACIFIC

## OMURA,\* BONIN ISLANDS

Lat. 27°5' N. Long. 142°11' E. H<sub>b</sub> = 4.1 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$ , 135th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	63.5	62.0	62.6	62.0	59.6	57.5	60.0	52.7	59.6	60.0	61.8	63.3	60.8
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	63.6	62.1	61.1	62.0	60.7	58.9	58.8	57.2	58.7	60.2	61.0	60.1	61.2
1934	62.0	61.0	61.4	61.4	60.3	60.1	59.2	58.7	60.1	59.9	62.4	62.4	60.7
1935	61.5	63.5	61.7	60.7	58.9	59.3	58.7	56.7	56.7	59.7	62.7	62.8	60.2
1936	62.0	60.5	64.1	62.3	60.4	58.9	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

### TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	17.6	19.5	18.8	21.1	21.6	23.9	27.7	27.8	27.7	25.8	23.1	19.8	22.9
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	17.9	17.6	18.7	21.7	23.1	25.9	27.2	27.4	26.8	24.9	22.7	19.0	22.7
1934	16.1	16.0	17.2	20.5	20.8	26.0	27.9	28.5	27.8	26.2	22.7	20.6	22.5
1935	17.3	18.0	18.3	20.3	22.2	25.6	27.7	27.5	27.6	24.7	21.9	19.2	22.5
1936	16.2	16.6	17.4	20.2	23.1	24.8	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

### TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	88	106	235	70	246	258	1	137	58	162	39	119	1519
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	59	142	94	156	158	60	50	124	119	294	358	191	1805
1934	63	74	180	267	220	30	21	36	199	94	103	71	1358
1935	54	45	85	97	544	200	54	117	124	263	47	155	1785
1936	131	98	134	188	106	65	42	11	305	297	304	144	1925
1937	100	64	147	124	141	691	148	98	145	249	140	196	2243
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

\* See NOTES, p. 50.

## HONOLULU, HAWAIIAN ISLANDS

Lat. 21°19' N. Long. 157°52' W. H<sub>b</sub> = 38 ft.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{2}(8^h+20^h)$ , 157°30' meridian W.

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.034	1.089	1.023	.998	.995	1.018	.967	.966	.954	.950	.952	.966	.993
1932	.968	.877	.989	1.034	1.043	1.018	.987	.969	.952	.973	.972	.984	.980
1933	.994	.958	1.032	1.012	1.054	1.030	1.031	1.026	1.022	.982	.964	.956	1.005
1934	.994	1.010	.984	1.010	1.009	1.002	.990	.966	.943	.968	.978	.962	.985
1935	.882	1.046	.943	1.021	1.024	.990	.964	.966	.920	.900	.923	.946	.960
1936	.911	.862	1.001	1.002	1.033	.998	.980	.948	.932	.922	.948	1.002	.962
1937	.900	.958	.952	1.014	1.016	1.012	.979	.973	.978	.964	.994	.922	.972
1938	.962	.886	.995	1.002	.965	.988	.981	.939	.932	.966	.954	.983	.963
1939	.984	.984	.966	1.002	1.002	1.005	1.003	.931	.925	.942	.966	.958	.972
1940	.824	.935	.902	.980	.960	.962	.957	.929	.907	.924	.890	.909	.923
Mean	.945	.961	.978	1.008	1.010	1.002	.984	.961	.947	.949	.954	.959	.971

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 86 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	72.3	72.2	72.4	72.4	74.8	77.6	77.8	78.6	77.8	77.6	75.0	71.0	75.0
1932	73.2	70.2	71.9	73.0	74.4	75.8	76.4	77.3	77.0	77.4	75.4	74.0	74.7
1933	72.4	71.4	71.3	71.9	73.8	74.8	75.3	75.9	76.5	75.6	73.0	73.8	73.8
1934	73.5	72.0	71.8	70.6	75.0	77.4	78.4	79.6	79.0	78.1	76.3	74.9	75.6
1935	71.2	71.6	71.8	72.5	75.8	77.4	78.0	78.4	78.1	77.5	75.2	74.6	75.2
1936	73.6	71.8	72.2	72.6	73.4	76.6	77.3	78.4	78.4	77.4	74.8	72.4	75.0
1937	71.0	70.4	70.9	73.7	74.4	76.6	77.4	77.6	77.8	77.6	75.6	73.8	74.7
1938	72.8	73.4	73.3	74.2	74.5	76.6	77.9	78.4	78.6	77.6	75.2	74.0	75.5
1939	72.7	73.1	72.6	72.3	74.3	75.4	76.9	77.7	77.0	76.6	74.0	73.1	74.6
1940	71.2	72.6	72.8	75.4	76.2	78.4	79.4	79.8	79.0	78.6	76.7	73.8	76.2
Mean	72.4	72.0	72.1	72.9	74.7	76.7	77.5	78.2	77.9	77.4	75.1	73.5	75.0

TOTAL PRECIPITATION IN INCHES. h<sub>t</sub> = 68 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.45	0.50	0.94	0.69	3.12	0.18	0.52	1.83	2.69	2.33	1.02	2.08	16.35
1932	1.52	8.36	3.05	3.41	0.68	0.29	0.59	2.56	0.65	0.39	2.14	1.13	24.77
1933	2.63	5.92	3.88	0.29	0.58	0.58	0.88	0.61	0.44	0.06	0.77	3.33	19.97
1934	2.24	1.54	0.65	0.81	0.57	1.84	0.38	0.94	2.82	1.61	2.49	2.48	18.37
1935	3.94	7.47	2.94	0.25	0.22	0.31	1.18	0.85	1.52	2.01	2.28	1.58	24.55
1936	2.81	1.26	1.73	1.40	1.59	0.72	0.82	0.48	1.11	11.26	1.69	3.16	23.03
1937	6.96	5.77	1.69	2.30	1.54	0.44	1.51	0.98	1.67	1.45	1.14	5.45	30.90
1938	2.15	5.05	3.77	1.44	1.33	1.00	2.35	3.93	0.33	1.33	0.77	2.10	25.55
1939	2.77	3.60	1.88	6.29	1.46	1.33	1.32	0.53	3.78	10.31	4.41	0.55	33.23
1940	3.25	0.50	1.76	1.26	2.54	0.78	0.43	0.99	0.53	0.85	5.35	0.41	18.65
Mean	2.87	4.00	2.23	1.81	1.36	0.75	1.00	1.37	1.55	3.16	2.21	2.23	24.54

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.4	20.3	18.1	17.2	17.1	17.9	16.1	16.1	15.6	15.6	15.6	16.2	17.0
1932	16.2	13.1	16.9	18.4	18.7	17.9	16.3	16.2	15.6	16.3	16.3	16.7	16.6
1933	17.1	15.9	18.4	17.7	19.1	18.3	18.4	18.2	18.0	16.7	16.1	15.9	17.4
1934	17.1	17.6	16.7	17.6	17.5	17.3	16.9	16.1	15.4	16.2	16.5	16.0	16.3
1935	15.6	18.9	15.3	18.0	18.1	16.9	16.1	16.1	14.6	13.9	14.7	15.4	16.1
1936	14.3	12.6	17.3	17.3	18.4	17.2	16.6	15.5	15.0	14.6	15.5	17.4	16.0
1937	13.9	15.9	15.6	17.7	17.8	17.7	16.5	16.4	16.5	16.1	17.1	14.6	16.3
1938	16.0	13.4	17.1	17.4	16.1	16.9	16.6	15.2	15.0	16.1	15.7	16.7	16.0
1939	16.7	16.7	16.2	17.3	17.3	17.4	17.4	14.9	14.7	15.3	16.1	15.9	16.3
1940	11.4	15.1	14.0	16.6	15.9	16.0	15.8	14.9	14.1	14.7	13.5	14.2	14.7
Mean	15.6	15.9	16.6	17.5	17.6	17.3	16.7	16.0	15.4	15.5	15.7	15.9	16.3

MIDWAY ISLAND, HAWAIIAN ISLANDS

Lat. 28°13' N. Long. 177°22' W. H<sub>b</sub> = 19 ft.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of 1 observation daily, at 17<sup>h</sup> 40<sup>m</sup>, 150th meridian

29 inches +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	.991	1.105	1.010	1.164	1.087	1.034	.995	.995	.927	1.081	1.057	1.185	<b>1.053</b>
1932	.955	.915	1.056	1.184	1.165	1.064	1.105	1.086	1.023	.981	.999	1.012	<b>1.045</b>
1933	.988	.996	1.104	1.153	1.079	1.091	1.182	1.113	1.097	1.035	1.037	.812	<b>1.057</b>
1934	.930	.876	1.078	1.262	1.078	1.082	1.093	1.018	.958	1.113	1.015	.988	<b>1.041</b>
1935	.922	1.121	1.056	1.131	1.084	1.069	1.109	1.001	.981	1.029	1.048	.939	<b>1.041</b>
1936	.918	.880	1.203	1.179	1.210	1.097	1.102	1.035	1.031	1.027	1.150	1.140	<b>1.081</b>
1937	.950	1.169	1.130	1.100	1.179	1.146	1.145	1.115	1.037	1.076	1.007	.934	<b>1.032</b>
1938	1.020	.790	1.180	1.227	1.132	1.146	1.125	1.073	1.112	1.147	1.138	1.190	<b>1.111</b>
1939	1.141	1.008	1.006	1.193	1.050	1.026	1.187	1.055	1.019	1.046	1.167	1.028	<b>1.077</b>
1940	.732	.941	.939	1.085	1.138	1.092	1.134	1.086	1.056	1.008	1.075	1.046	<b>1.028</b>
Mean	<b>.955</b>	<b>.980</b>	<b>1.076</b>	<b>1.168</b>	<b>1.125</b>	<b>1.085</b>	<b>1.118</b>	<b>1.058</b>	<b>1.024</b>	<b>1.054</b>	<b>1.069</b>	<b>1.027</b>	<b>1.062</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 5 ft.

Means of ½(daily Max.+daily Min.), not corrected to mean of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	69.0	70.6	76.6	81.0	80.6	78.7	73.1	70.9	70.6	...
1932	66.1	64.8	65.8	71.1	74.6	77.4	77.7	78.0	77.6	75.0	68.8	65.0	<b>71.8</b>
1933	63.6	61.4	64.9	65.9	67.8	73.4	73.9	74.4	74.9	72.2	67.2	61.7	<b>68.4</b>
1934	61.8	61.6	61.6	68.6	73.2	76.6	77.1	77.9	79.0	76.0	72.4	67.6	<b>71.1</b>
1935	66.4	64.6	64.8	69.6	73.0	78.7	79.8	77.9	78.8	73.6	71.8	67.1	<b>72.2</b>
1936	65.4	63.8	65.6	67.6	71.4	78.2	78.5	78.0	78.9	73.8	68.5	68.6	<b>71.5</b>
1937	64.6	65.0	67.8	70.0	73.8	78.2	80.0	80.6	80.8	79.4	73.9	70.2	<b>73.7</b>
1938	66.2	65.9	67.9	...	74.2	76.1	80.4	81.0	78.3	77.8	72.5	70.2	<b>*72.4</b>
1939	...	66.0	67.7	68.2	72.4	75.7	77.6	78.7	77.8	73.7	73.0	68.8	<b>*72.0</b>
1940	65.2	64.2	64.0	...	69.8	76.0	79.2	78.8	78.6	76.3	70.4	67.6	<b>*71.5</b>
Mean	<b>64.9</b>	<b>64.1</b>	<b>65.6</b>	<b>68.8</b>	<b>72.1</b>	<b>76.7</b>	<b>78.5</b>	<b>78.6</b>	<b>78.3</b>	<b>75.1</b>	<b>70.9</b>	<b>67.7</b>	<b>†71.8</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 3 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.61	2.11	3.84	0.50	0.28	0.73	1.69	6.09	6.42	0.77	1.53	0.77	<b>27.34</b>
1932	7.40	3.56	1.51	0.60	0.55	0.90	3.58	3.87	4.67	5.02	5.70	9.08	<b>46.44</b>
1933	9.73	5.88	1.55	0.68	4.44	0.58	2.08	2.22	1.79	2.21	5.76	15.59	<b>51.51</b>
1934	6.33	2.67	2.88	0.26	1.69	4.25	2.28	3.98	2.89	2.85	9.34	3.63	<b>43.05</b>
1935	6.71	2.96	4.79	5.10	2.97	0.41	3.73	14.47	3.58	4.45	2.12	3.21	<b>54.50</b>
1936	3.67	5.26	2.31	0.59	0.63	1.68	7.63	8.46	2.09	1.69	0.48	1.68	<b>36.17</b>
1937	4.70	0.76	1.74	3.59	0.15	0.12	1.77	2.65	2.15	3.16	14.69	6.73	<b>42.21</b>
1938	3.38	3.55	2.17	0.36	0.64	2.31	2.24	14.45	0.92	5.15	7.39	1.59	<b>44.15</b>
1939	8.62	4.51	4.86	16.98	5.61	6.66	1.82	3.77	4.58	2.01	0.43	2.31	<b>62.16</b>
1940	11.27	3.96	3.11	4.58	1.51	0.26	4.60	5.69	9.60	4.14	2.32	1.98	<b>53.02</b>
Mean	<b>6.44</b>	<b>3.52</b>	<b>2.88</b>	<b>3.32</b>	<b>1.85</b>	<b>1.79</b>	<b>3.14</b>	<b>6.66</b>	<b>3.87</b>	<b>3.04</b>	<b>4.98</b>	<b>4.66</b>	<b>46.05</b>

\* Normal value used for missing month.

† Mean of 12 monthly means.

## GUAM, MARIANAS ISLANDS

Lat. 13°24' N. Long. 144°38' E. H = 18.6 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 2 observations daily, 145th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.97	58.19	58.86	58.56	57.64	57.78	57.02	55.43	56.42	55.72	55.57	56.06	57.10
1932	56.42	56.66	57.99	57.26	56.18	56.90	55.06	56.34	56.00	56.32	56.27	56.17	56.46
1933	57.34	56.88	56.87	57.08	56.99	57.25	56.32	56.99	56.82	55.90	56.22	56.20	56.78
1934	56.78	57.24	57.28	56.98	56.86	57.22	56.56	55.43	56.08	56.45	56.68	56.64	56.68
1935	56.40	57.62	57.35	56.14	57.05	56.96	55.38	56.16	54.36	56.76	55.94	55.52	56.30
1936	57.20	58.41	57.82	57.42	56.96	57.04	56.64	55.62	55.54	55.96	55.40	56.88	56.74
1937	57.38	58.62	57.15	56.95	57.92	56.88	56.24	55.71	57.06	56.30	56.60	56.09	56.91
1938	56.88	57.54	57.14	56.66	56.91	56.75	56.04	55.85	55.22	56.34	56.45	56.30	56.51
1939	57.43	57.74	57.36	57.48	57.34	57.70	56.20	52.94	56.18	56.18	56.38	56.50	56.62
1940	57.00	58.20	57.77	58.20	57.32	57.11	56.28	55.12	54.84	56.34	55.22	56.90	56.69
Mean	57.18	57.71	57.56	57.27	57.12	57.16	56.17	55.56	55.85	56.23	56.07	56.33	56.68

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.5	26.4	27.2	28.1	28.4	28.8	28.2	27.7	28.0	27.9	27.6	27.2	27.7
1932	27.0	27.0	27.3	28.2	28.0	28.1	27.8	28.0	27.7	27.6	27.6	27.2	27.6
1933	26.6	27.2	27.4	28.2	28.1	28.0	27.7	27.7	27.6	27.3	27.6	27.0	*27.5
1934	27.0	27.4	27.6	28.0	27.6	28.3	27.8	27.6	27.4	27.4	27.4	26.9	27.5
1935	26.2	26.8	27.2	28.2	28.8	28.2	27.8	27.4	27.2	27.5	27.4	27.2	27.5
1936	26.6	26.8	27.4	28.1	28.8	28.8	27.8	28.5	27.8	27.4	27.7	27.4	27.8
1937	27.0	26.8	27.3	28.4	28.6	28.3	28.0	28.3	27.9	27.4	27.6	27.4	27.8
1938	27.6	27.6	27.8	28.4	28.9	28.2	28.2	27.3	27.2	27.4	27.4	27.2	27.8
1939	26.9	27.2	27.5	28.4	28.4	28.8	27.8	27.4	27.9	27.8	27.6	27.1	27.7
1940	26.6	26.1	26.8	27.6	28.6	28.8	27.6	28.1	27.2	27.9	28.8	27.9	27.7
Mean	26.8	26.9	27.4	28.2	28.4	28.4	27.9	27.8	27.6	27.6	27.7	27.2	27.7

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	76.3	22.7	26.2	40.0	164.4	64.7	283.1	605.7	218.2	327.9	308.0	81.8	2219.0
1932	78.4	63.1	60.6	15.1	106.9	132.9	223.8	236.9	255.8	269.4	133.0	58.0	1633.9
1933	30.2	55.8	72.3	26.5	153.4	280.7	441.1	258.8	366.6	468.4	195.2	105.2	2450.2
1934	151.0	25.1	50.4	66.3	270.9	147.4	507.3	375.6	333.9	271.5	215.5	159.7	2574.6
1935	407.5	251.8	68.2	61.7	56.2	159.2	383.2	254.7	389.8	266.2	257.0	276.3	2831.8
1936	10.1	38.7	56.3	54.4	34.2	66.4	230.4	225.6	222.1	319.5	175.6	82.6	1515.9
1937	41.9	52.4	33.6	27.9	99.9	128.4	216.1	378.2	234.6	247.7	185.4	62.3	1708.4
1938	81.1	28.2	66.1	109.6	72.1	339.1	190.1	601.2	497.3	287.5	170.8	153.5	2596.6
1939	70.3	31.7	31.0	10.9	87.5	58.7	368.1	618.6	174.5	211.3	168.5	274.8	2105.9
1940	99.6	53.7	46.9	21.1	22.1	71.0	240.6	314.8	636.4	83.1	141.7	67.7	1798.7
Mean	104.6	62.3	51.2	43.4	106.8	145.4	303.4	387.0	332.9	274.2	195.1	132.2	2143.5

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.1	13.0	13.9	13.5	12.2	12.4	11.4	9.3	10.6	9.7	9.5	10.2	11.6
1932	10.6	10.9	12.7	11.7	10.3	11.3	8.8	10.5	10.1	10.5	10.5	10.3	10.7
1933	11.9	11.2	11.2	11.5	11.4	11.7	10.5	11.4	11.2	10.0	10.4	10.4	11.1
1934	11.1	11.7	11.8	11.4	11.2	11.7	10.8	9.3	10.2	10.7	11.0	10.9	11.0
1935	10.6	12.2	11.9	10.3	11.5	11.3	9.3	10.3	7.9	11.1	10.0	9.5	10.5
1936	11.7	13.3	12.5	11.9	11.3	11.5	10.9	9.6	9.5	10.0	9.3	11.2	11.1
1937	11.9	13.6	11.6	11.3	12.6	11.2	10.4	9.7	11.5	10.5	10.9	10.2	11.2
1938	11.2	12.1	11.6	10.9	11.3	11.1	10.2	9.9	9.0	10.5	10.7	10.5	10.7
1939	11.9	12.4	11.9	12.0	11.9	12.3	10.4	6.0	10.3	10.3	10.6	10.7	10.9
1940	11.4	13.0	12.4	13.0	11.8	11.5	10.5	8.9	8.5	10.5	9.0	11.3	11.0
Mean	11.6	12.3	12.1	11.8	11.6	11.6	10.3	9.5	9.9	10.4	10.2	10.5	11.0

\* Normal value used for missing month.

APARRI, PHILIPPINE ISLANDS

Lat. 18°22' N. Long. 121°38' E. H<sub>b</sub> = 5.05 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{6}(2^h + 6^h + 10^h + 14^h + 18^h + 22^h)$ , 120th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	61.26	60.70	59.87	58.86	56.62	55.68	56.12	52.16	55.78	56.75	58.35	61.17	57.78
1932	63.41	61.10	60.53	58.57	56.91	55.19	54.24	55.29	55.12	56.95	58.49	60.52	58.03
1933	61.71	59.32	59.36	58.39	57.02	55.14	54.29	55.94	55.30	57.20	59.07	59.64	57.70
1934	60.47	60.91	59.31	57.96	55.78	56.72	54.68	55.45	53.80	57.81	58.91	59.98	57.65
1935	61.58	60.48	59.09	57.04	56.02	55.85	53.16	54.20	54.43	57.63	58.48	60.49	57.37
1936	60.63	59.89	60.97	58.00	56.41	55.66	54.43	53.98	55.42	56.13	60.03	59.58	57.59
1937	59.89	60.68	57.80	57.91	56.98	54.77	53.77	54.19	56.95	58.01	58.81	59.27	57.42
1938	61.46	60.37	58.90	57.69	56.63	55.82	55.82	54.78	55.33	57.08	59.64	59.30	57.73
1939	61.62	61.20	58.85	58.45	55.92	56.35	52.71	51.70	56.47	56.76	58.44	61.82	57.52
1940	60.61	62.14	59.41	58.64	56.70	55.94	53.58	54.50	55.12	58.59	59.33	61.32	57.99
Mean	61.26	60.68	59.41	58.15	56.50	55.71	54.28	54.22	55.37	57.29	58.96	60.31	57.68

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{6}(2^h + 6^h + 10^h + 14^h + 18^h + 22^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	24.0	25.1	26.0	27.7	28.4	28.4	29.0	28.0	27.5	26.6	25.1	23.8	26.6
1932	21.8	23.0	23.9	27.1	28.7	29.0	27.3	27.9	27.7	26.3	25.3	23.6	26.0
1933	23.4	24.6	25.1	27.4	29.0	28.7	28.1	28.2	27.7	26.4	25.0	23.0	26.4
1934	22.7	22.4	24.5	26.4	26.6	28.7	27.9	28.0	27.0	26.0	25.8	23.7	25.8
1935	22.8	24.1	25.7	27.7	27.1	28.2	27.9	27.7	27.3	27.2	25.2	23.8	26.2
1936	22.7	24.3	24.7	26.8	28.6	29.1	27.7	27.6	27.6	26.4	25.1	24.7	26.3
1937	24.2	24.1	26.4	27.5	28.3	28.4	27.7	27.1	27.0	25.5	24.6	23.9	26.4
1938	22.3	22.8	23.8	24.6	26.9	28.9	28.4	28.6	27.8	26.7	25.1	24.1	25.8
1939	23.0	23.3	25.9	26.3	27.6	28.0	27.8	27.8	27.8	26.9	26.1	22.2	26.1
1940	22.5	23.1	24.7	26.7	28.3	28.7	28.3	27.4	27.6	27.0	25.8	23.7	26.2
Mean	22.9	23.7	25.1	26.8	28.0	28.6	28.0	27.8	27.5	26.5	25.3	23.6	26.2

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	209.0	28.0	51.7	2.8	92.6	203.6	19.8	186.0	286.1	722.5	512.5	164.4	2479.0
1932	113.1	130.7	128.9	2.8	19.0	212.2	424.0	74.8	245.8	579.9	478.2	198.2	2607.6
1933	90.3	38.8	41.4	1.1	34.8	109.7	252.3	138.1	283.3	296.8	302.1	176.8	1765.5
1934	465.3	118.7	23.1	15.5	238.2	101.1	160.6	212.1	784.1	485.1	379.1	295.1	3278.0
1935	130.0	79.8	7.2	20.9	451.1	53.6	114.0	165.3	161.7	62.7	429.3	279.1	1954.7
1936	180.1	56.7	148.3	57.6	47.0	84.1	199.0	599.2	135.2	454.5	286.9	162.0	2410.6
1937	129.0	245.4	12.2	7.1	115.8	104.5	419.3	302.8	173.0	421.3	320.0	149.9	2400.3
1938	118.9	58.2	146.9	54.8	76.2	36.9	53.6	101.5	271.9	305.8	488.6	545.9	2259.2
1939	72.8	83.1	15.4	67.8	166.2	289.6	215.3	165.5	131.0	305.4	162.5	268.7	1943.3
1940	68.1	21.0	83.5	32.5	45.6	72.6	190.7	409.1	117.2	206.1	128.8	145.0	1520.2
Mean	157.7	86.0	65.9	26.3	128.6	126.8	204.9	235.4	258.9	384.0	348.8	238.5	2261.8

\* Changed to 5.5 m. on October 28, 1939, at 6 p. m.

## ILOILO, PHILLIPINE ISLANDS

Lat. 10°42' N. Long. 122°32' E. H = 14 m.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$ , 120th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.0	61.1	60.6	59.9	58.9	59.1	57.9	55.9	57.3	57.1	57.2	58.0	58.6
1932	59.3	59.2	58.7	58.3	57.7	57.8	57.0	57.7	57.3	57.8	57.4	57.9	58.0
1933	59.2	58.2	58.6	58.4	57.8	57.5	57.1	58.0	57.7	56.9	57.2	57.3	57.8
1934	57.9	58.7	58.1	57.5	57.7	57.8	57.3	57.4	57.4	57.9	57.5	57.8	57.8
1935	59.8	58.9	58.7	57.4	57.6	57.6	56.7	57.8	56.9	57.5	58.0	58.7	58.0
1936	58.7	59.7	59.5	58.0	57.1	57.9	57.2	57.0	57.4	57.5	58.2	57.8	58.0
1937	58.3	59.6	57.8	57.6	58.1	57.5	56.9	57.1	58.3	58.2	57.5	57.4	57.9
1938	58.8	59.1	58.1	57.1	57.2	57.7	57.5	57.3	57.0	57.7	57.4	57.1	57.7
1939	59.2	58.9	58.6	58.0	57.3	58.0	56.9	55.3	58.3	58.0	57.4	58.5	57.9
1940	59.0	60.5	59.1	58.5	57.6	57.8	57.6	57.3	57.8	59.1	58.0	59.3	58.5
Mean	59.0	59.4	58.8	58.1	57.7	57.9	57.2	57.1	57.5	57.8	57.6	58.0	58.0

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.5	26.8	27.9	29.1	29.6	28.9	27.8	27.7	27.5	27.3	27.1	26.2	27.7
1932	25.3	25.7	27.1	28.5	28.2	28.1	27.3	27.9	27.3	27.5	26.9	26.4	27.2
1933	26.0	26.7	27.3	28.7	29.2	27.7	27.5	27.6	27.5	26.8	26.7	26.2	27.3
1934	25.9	25.3	26.8	28.1	28.2	27.8	27.5	27.2	26.9	27.2	27.0	25.8	27.0
1935	25.4	26.7	27.6	28.3	28.3	27.9	27.5	28.0	27.0	27.6	26.9	26.1	27.3
1936	25.9	27.2	27.3	28.4	28.7	27.9	27.3	27.1	27.4	27.4	26.9	27.3	27.4
1937	26.6	27.0	27.5	28.6	28.3	28.7	27.5	27.6	27.4	26.8	27.1	26.9	27.5
1938	26.2	26.4	27.8	27.8	28.2	27.1	27.3	28.3	27.8	26.9	26.8	26.4	27.2
1939	25.8	25.8	27.0	28.8	28.8	28.3	27.9	27.9	27.8	27.6	27.2	26.0	27.3
1940	25.6	25.7	27.7	29.0	29.7	28.6	27.8	27.4	27.5	27.5	27.5	26.5	27.5
Mean	25.9	26.3	27.4	28.5	28.6	28.1	27.5	27.7	27.4	27.3	27.0	26.4	27.3

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	183.7	13.7	11.0	7.5	75.7	110.5	269.4	665.7	398.1	268.7	147.5	241.6	2393.1
1932	39.4	28.8	15.0	39.2	236.1	223.5	354.9	192.1	228.9	377.2	212.6	73.0	2020.7
1933	92.9	68.0	5.4	22.2	187.3	439.8	451.8	337.8	408.1	333.4	464.7	285.7	3097.1
1934	24.7	53.0	37.5	38.1	162.2	249.1	239.2	424.1	394.0	207.6	302.5	197.8	2329.8
1935	27.3	58.7	4.4	58.9	41.2	257.6	384.9	234.4	462.3	202.6	130.4	52.5	1945.2
1936	64.7	5.7	41.3	22.4	112.9	230.7	492.3	543.2	316.3	372.9	112.3	53.6	2368.3
1937	70.4	48.8	63.0	19.1	208.2	156.1	458.8	385.4	355.2	345.7	391.1	88.0	2589.8
1938	32.3	24.2	27.1	298.0	198.6	516.2	200.7	91.1	325.6	360.3	245.4	95.8	2415.3
1939	45.4	28.0	16.9	66.2	360.2	183.8	413.4	522.5	172.5	194.8	171.5	151.9	2327.1
1940	14.8	4.2	0.3	8.9	63.3	190.2	312.6	315.0	311.9	296.9	35.5	36.4	1590.0
Mean	59.6	33.3	22.2	58.0	164.6	258.8	357.8	371.1	337.3	296.0	221.4	127.6	2307.6

## PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.3	14.7	14.1	13.1	11.8	12.0	10.5	7.8	9.7	9.4	9.6	10.6	11.4
1932	12.3	12.2	11.5	11.0	10.2	10.3	9.3	10.2	9.7	10.3	9.8	10.5	10.6
1933	12.2	10.9	11.4	11.1	10.3	10.0	9.4	10.6	10.2	9.1	9.6	9.7	10.4
1934	10.5	11.5	10.7	10.0	10.2	10.3	9.7	9.8	9.8	10.5	10.0	10.3	10.3
1935	12.9	11.8	11.5	9.8	10.1	10.1	8.8	10.3	9.1	10.0	10.6	11.5	10.5
1936	11.5	12.8	14.6	10.6	9.4	10.5	9.6	9.3	9.8	10.0	10.9	10.3	10.6
1937	11.0	12.7	10.3	10.1	10.7	10.0	9.1	9.4	11.0	10.9	10.0	9.8	10.4
1938	11.6	12.0	10.7	9.4	9.6	10.2	10.0	9.7	9.3	10.2	9.8	9.4	10.2
1939	12.2	11.8	11.4	10.6	9.7	10.6	9.1	7.0	11.0	10.6	9.8	11.3	10.4
1940	11.9	14.0	12.0	11.8	10.1	10.3	10.1	9.7	10.3	12.0	10.6	12.3	11.3
Mean	11.9	12.4	11.6	10.7	10.2	10.4	9.6	9.4	10.0	10.3	10.1	10.6	10.6



LEGASPI, PHILIPPINE ISLANDS

Lat. 13°9' N. Long. 123°45' E. H<sub>b</sub> = 2.5 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$ , 120th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	59.24	59.93	59.19	58.45	56.84	56.40	56.55	53.88	55.83	55.63	56.04	58.04	57.17
1932	59.55	59.11	58.69	58.21	56.67	55.74	54.91	55.83	55.15	56.45	56.02	57.41	56.98
1933	59.03	57.63	58.09	57.79	56.88	55.83	54.97	56.20	55.95	55.51	56.41	56.75	56.75
1934	57.59	58.26	57.85	56.73	56.12	56.75	55.56	55.55	55.10	56.41	56.47	57.23	56.63
1935	59.43	58.48	58.19	56.50	55.99	56.16	54.32	55.67	54.47	56.23	56.72	57.80	56.66
1936	58.14	58.94	59.16	57.11	56.09	56.18	55.31	55.03	55.59	55.89	57.31	57.14	56.82
1937	58.04	59.27	57.42	57.19	57.07	55.74	54.85	55.13	56.57	56.57	56.71	56.77	56.78
1938	58.19	58.55	57.65	56.38	56.25	56.18	55.88	55.48	55.07	56.04	56.58	56.18	56.54
1939	58.98	58.58	58.15	57.51	55.91	56.62	54.72	52.96	56.51	56.51	56.53	57.15	56.68
1940	58.66	60.51	58.73	58.19	56.86	56.41	55.44	55.15	55.66	57.94	57.28	58.54	57.45
Mean	58.68	58.93	58.31	57.41	56.47	56.20	55.25	55.09	55.59	56.32	56.61	57.30	56.85

TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.6	27.4	27.7	28.8	29.5	29.5	28.5	27.6	27.6	27.3	27.0	26.7	27.8
1932	25.3	26.1	26.5	28.4	28.6	28.2	27.3	28.0	27.1	27.6	27.1	26.4	27.2
1933	26.2	26.8	27.5	28.6	29.1	28.4	27.4	27.7	27.7	26.9	26.9	25.8	27.4
1934	25.9	25.2	26.4	27.6	27.7	28.1	27.4	27.2	27.0	27.3	26.9	26.0	26.9
1935	25.5	25.8	27.1	28.0	28.2	28.6	27.4	28.2	27.1	27.4	26.9	26.0	27.2
1936	25.9	26.3	27.0	27.7	28.2	28.1	27.4	27.1	27.0	27.4	26.7	26.9	27.1
1937	26.6	26.6	27.2	28.1	28.6	28.6	27.3	27.6	27.5	26.6	27.2	27.0	27.4
1938	26.1	26.1	27.3	28.0	28.2	27.4	27.6	28.3	27.6	26.9	26.8	26.4	27.2
1939	25.8	25.7	26.6	27.9	27.8	28.1	28.3	28.0	27.5	27.5	27.3	25.4	27.2
1940	25.4	25.3	26.6	27.7	28.4	28.3	27.4	27.2	27.3	27.4	26.9	26.1	27.0
Mean	25.9	26.1	27.0	28.1	28.4	28.3	27.6	27.7	27.3	27.2	27.0	26.3	27.2

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	413.2	39.4	102.5	113.1	81.5	105.0	158.8	398.0	381.1	303.0	256.8	503.0	2855.4
1932	366.0	90.5	311.8	72.8	307.4	114.1	304.8	106.2	356.2	299.5	773.7	777.3	3880.3
1933	528.5	201.8	50.5	102.4	240.3	213.8	336.8	298.5	117.1	568.6	555.8	1081.9	4296.0
1934	263.3	533.5	318.8	219.7	304.1	229.8	141.0	262.1	370.0	299.1	742.1	547.0	4230.5
1935	158.7	600.3	61.7	275.2	135.7	86.7	205.0	48.2	231.4	358.4	446.4	355.8	2963.5
1936	513.4	108.1	187.5	281.3	300.8	151.2	246.9	355.2	130.7	162.6	325.4	736.8	3499.9
1937	212.4	225.9	249.9	106.3	208.9	140.0	273.9	191.7	202.4	221.1	381.8	244.1	2663.4
1938	255.4	193.8	216.1	218.8	264.0	130.2	184.7	118.9	214.3	414.9	485.8	523.1	3250.0
1939	431.0	445.4	235.3	236.0	413.6	99.0	116.9	257.7	160.9	171.2	299.2	570.6	3436.8
1940	362.4	199.9	104.8	211.9	151.4	113.2	284.2	473.4	225.6	185.9	372.3	468.8	3153.8
Mean	350.4	263.9	184.9	183.8	240.8	140.3	225.3	251.0	239.0	298.9	463.9	580.8	3423.0

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.5	13.4	12.5	11.4	9.3	8.7	8.9	5.4	8.0	7.7	8.2	10.9	9.8
1932	12.9	12.3	11.8	11.1	9.1	7.8	6.7	8.0	7.0	8.8	8.2	10.1	9.5
1933	12.2	10.3	11.0	10.6	9.4	8.0	6.8	8.5	8.1	7.5	8.7	9.2	9.2
1934	10.3	11.2	10.6	9.1	8.3	9.2	7.6	7.6	7.0	8.7	8.8	9.8	9.0
1935	12.7	11.5	11.1	8.9	8.2	8.4	5.9	7.8	6.2	8.5	7.8	10.6	9.1
1936	11.0	12.1	12.4	9.7	8.3	8.5	7.3	6.9	7.7	8.1	9.9	9.7	9.3
1937	10.9	12.5	10.1	9.8	9.6	7.8	6.7	7.0	9.0	9.0	7.8	9.2	9.3
1938	11.1	11.6	10.4	8.7	8.5	8.5	8.1	7.5	7.0	8.2	9.0	8.5	8.9
1939	12.2	11.7	11.1	9.9	8.1	9.0	6.5	4.2	8.9	8.9	8.9	9.7	9.1
1940	11.7	14.3	11.8	11.1	9.4	8.7	7.4	7.0	7.8	10.8	9.9	11.6	10.1
Mean	11.8	12.1	11.3	10.1	8.8	8.5	7.2	7.0	7.7	8.6	9.0	9.9	9.4

## MANILA, PHILIPPINE ISLANDS

Lat. 14°35' N. Long. 120°59' E. H = 14.2 m.\*

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 120th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	59.69	60.04	59.12	58.44	56.94	56.70	56.83	54.03	56.36	56.37	56.90	58.98	57.53
1932	60.64	60.68	59.08	58.31	56.98	56.14	55.29	56.41	55.60	56.90	56.96	58.37	57.53
1933	59.71	58.22	58.44	58.09	57.11	56.20	55.57	56.79	56.28	56.33	57.40	57.66	57.31
1934	58.52	59.08	58.17	57.21	56.55	57.04	55.88	56.06	55.37	56.93	57.33	58.15	57.19
1935	60.28	58.97	58.42	56.80	56.38	56.51	54.72	56.08	54.98	56.93	57.63	58.78	57.21
1936	58.93	59.39	59.67	57.58	56.46	56.55	55.49	55.25	55.96	56.14	58.25	57.98	57.30
1937	58.63	59.68	57.59	57.33	57.25	56.01	55.12	55.53	57.12	57.34	57.22	57.67	56.21
1938	59.36	59.14	57.95	56.65	56.43	56.34	56.26	55.85	55.63	56.54	57.38	57.14	57.06
1939	59.69	59.37	58.27	57.61	58.08	56.77	54.85	53.38	57.04	57.08	57.22	58.69	57.16
1940	59.43	61.02	58.95	58.24	56.92	56.64	55.73	53.74	56.20	58.42	58.03	59.52	55.90
Mean	59.49	59.56	58.57	57.63	56.91	56.49	55.57	55.31	56.05	56.90	57.43	58.29	57.35

## TEMPERATURE IN DEGREES C.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.6	26.2	27.8	28.5	29.3	28.4	27.3	26.7	27.2	26.8	25.9	24.9	27.0
1932	23.7	24.9	26.2	28.3	28.5	27.7	26.8	27.3	27.0	26.6	25.8	25.2	26.5
1933	24.7	25.7	26.5	28.2	29.0	27.9	26.8	27.0	26.5	26.1	25.6	25.1	26.6
1934	24.7	24.8	26.5	27.6	27.1	27.7	27.1	26.7	26.6	26.6	26.1	24.9	26.4
1935	24.2	25.7	26.8	28.3	27.9	28.2	26.9	27.4	26.8	26.8	26.0	25.0	26.7
1936	25.1	26.4	26.8	28.4	29.6	28.0	27.2	26.8	26.6	26.9	25.8	26.1	27.0
1937	25.7	26.0	27.3	28.6	28.5	28.2	26.8	27.0	26.6	26.3	26.2	25.7	26.9
1938	25.0	26.1	27.6	28.0	28.0	27.5	27.1	28.1	27.4	26.8	25.8	25.6	26.9
1939	25.0	25.4	27.1	28.6	28.1	28.1	27.4	27.3	27.1	26.9	26.4	24.2	26.8
1940	24.4	24.7	26.9	28.8	29.3	28.1	26.9	26.9	27.2	26.9	26.6	25.0	26.8
Mean	24.8	25.6	27.0	28.3	28.5	28.0	27.0	27.1	26.9	26.7	26.0	25.2	26.8

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	14.2	6.1	1.8	37.2	99.0	301.2	180.4	1465.9	329.6	170.9	249.1	75.0	2951.3
1932	0.3	2.6	7.9	0.0	164.7	315.8	724.1	189.4	588.6	235.7	151.1	43.3	2423.5
1933	46.8	8.7	11.5	0.0	86.1	130.4	504.2	240.5	586.1	188.0	86.6	33.3	1922.2
1934	10.2	33.2	14.1	78.6	488.4	107.3	461.2	373.7	410.8	396.4	281.0	37.7	2692.6
1935	2.3	39.3	61.6	60.1	411.4	229.0	821.9	528.3	339.9	253.3	28.5	96.2	2861.3
1936	46.8	1.1	1.4	2.3	117.6	263.8	366.8	364.5	556.5	241.8	176.7	168.0	2307.3
1937	36.0	21.8	41.6	42.5	149.4	287.6	688.9	568.0	364.1	311.7	364.8	150.6	3027.0
1938	30.7	2.8	16.4	62.4	173.1	416.8	274.6	248.7	157.4	204.2	280.1	57.6	1924.8
1939	4.1	5.6	3.1	65.7	158.8	247.5	577.4	461.5	189.4	75.6	197.2	206.5	2192.4
1940	4.0	18.6	0.9	19.7	45.0	273.1	851.5	388.6	414.2	141.9	53.5	41.6	2252.6
Mean	19.5	14.0	15.0	36.8	189.4	257.2	545.1	482.9	393.7	222.0	186.9	93.1	2455.6

\* See NOTES, p. 51.

KOLONIE, YAP ISLAND

Lat. 9°29' N. Long. 138°8' E. H<sub>0</sub> = 29.3 m.

PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$ , 135th meridian E.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.11	59.26	58.85	58.32	57.96	58.06	57.55	56.25	57.45	56.41	56.13	56.38	57.56
1932	55.97	57.27	57.91	57.93	57.48	57.71	57.13	57.78	57.41	57.80	57.14	56.84	57.36
1933	58.09	57.61	57.86	57.94	58.19	58.22	57.54	58.50	58.24	56.85	56.78	56.65	57.71
1934	56.79	57.66	57.28	57.13	57.72	57.76	57.48	56.93	56.90	57.49	56.87	56.86	58.11
1935	57.15	57.99	57.77	56.64	57.76	57.75	56.53	57.85	56.30	56.81	56.36	56.76	57.14
1936	57.46	58.90	58.18	57.50	57.06	57.59	57.11	56.33	56.99	56.92	56.55	56.79	57.23
1937	57.27	58.78	57.20	57.03	58.14	57.43	56.86	56.57	57.89	57.32	56.76	56.45	57.31
1938	56.86	57.80	57.22	56.65	57.23	57.65	57.31	57.28	56.82	57.28	56.67	56.20	57.03
1939	57.62	57.53	57.49	57.52	57.07	57.98	57.30	54.65	57.41	57.02	56.41	57.19	57.15
1940	57.08	58.29	57.94	57.82	57.39	57.22	57.14	56.26	56.71	57.75	56.42	57.38	57.23
Mean	57.24	58.11	57.77	57.45	57.66	57.74	57.20	56.84	57.21	57.16	56.61	56.75	57.40

TEMPERATURE IN DEGREES C.  
Means of  $\frac{1}{6}(2^h+6^h+10^h+14^h+18^h+22^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.4	26.0	26.6	27.5	27.9	27.9	27.6	*27.0	27.2	26.8	26.8	27.1	27.1
1932	27.0	26.2	26.5	27.0	27.0	27.2	26.8	27.0	26.6	27.5	27.2	26.8	26.9
1933	26.6	26.5	26.9	27.3	27.4	27.3	26.8	27.1	27.0	26.5	26.8	26.9	26.9
1934	27.2	26.7	27.0	27.2	27.5	27.3	26.9	26.9	27.1	27.2	26.8	26.9	27.1
1935	26.4	26.8	27.0	27.3	27.5	27.6	26.9	27.3	26.9	27.1	27.1	26.9	27.1
1936	26.6	26.6	26.9	27.2	27.0	27.4	26.8	26.8	27.0	27.1	27.4	27.2	27.0
1937	26.7	26.6	26.7	27.2	27.5	27.2	27.1	26.9	26.9	27.0	27.2	27.3	27.0
1938	26.9	26.7	26.9	27.2	27.0	27.0	27.1	27.2	26.7	26.9	27.0	26.5	26.9
1939	26.6	26.7	26.9	27.4	27.3	27.8	26.8	27.1	26.8	27.1	27.0	27.1	27.0
1940	26.9	26.3	27.0	27.0	27.7	27.5	26.8	26.7	26.9	27.3	27.2	26.9	27.0
Mean	26.7	26.5	26.8	27.2	27.4	27.4	27.0	27.0	26.9	27.0	27.0	27.0	27.0

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	135.5	40.1	24.6	77.0	234.9	148.8	242.3	363.0	385.0	581.4	492.1	277.7	3002.4
1932	138.0	180.6	264.7	66.3	401.5	200.1	536.9	197.0	476.2	241.4	171.0	477.1	3350.3
1933	58.0	196.2	89.2	194.9	224.9	170.3	368.0	224.7	241.8	609.4	272.6	268.0	2908.0
1934	175.8	162.4	186.1	201.9	178.9	228.5	370.4	633.9	395.0	281.3	374.0	204.4	3392.6
1935	199.3	111.6	144.2	176.4	258.1	175.9	389.8	217.3	514.9	252.6	323.1	171.6	2934.8
1936	125.5	44.7	216.7	110.8	371.3	216.3	513.8	568.0	405.1	370.4	91.4	167.8	3201.8
1937	83.5	82.0	139.2	163.8	164.3	259.2	275.5	482.7	285.6	449.1	204.0	150.4	2739.3
1938	203.3	80.8	120.1	210.9	306.5	302.5	363.0	205.4	519.2	320.3	255.3	587.1	3474.4
1939	255.9	140.9	73.0	193.9	248.8	111.4	394.6	372.3	420.1	451.1	440.4	138.3	3240.7
1940	146.3	172.1	145.4	385.4	124.9	419.9	619.6	815.5	367.9	172.0	219.4	193.2	3781.6
Mean	152.1	121.1	140.3	178.1	251.4	223.3	407.4	408.0	401.1	372.7	284.3	262.6	3202.6

\* 27 days of observations.



SOUTH AMERICA  
 AJO-GENERAL LAVALLE, ARGENTINA

Lat. 36°31' S. Long. 56°46' W.

TOTAL PRECIPITATION IN MILLIMETERS. H = 218 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	159	71	54	135	0	55	81	122	93	15	67	38	890
1932	86	46	65	34	27	152	151	17	21	42	88	115	844
1933	28	94	54	99	183	5	36	0	144	76	71	76	866
1934	22	61	93	17	69	80	141	50	34	56	89	102	814
1935	55	62	146	11	91	23	29	26	37	66	62	72	680
1936	69	25	119	90	122	187	44	83	69	56	24	109	997
1937	26	57	74	32	11	85	26	44	145	37	22	38	597
1938	57	57	169	102	67	80	78	3	135	15	74	25	862
1939	128	36	73	76	68	82	65	98	64	280	59	14	1043
1940	94	62	84	94	178	204	77	32	143	79	32	194	1273
Mean	72.4	57.1	93.1	69.0	81.6	95.3	72.8	47.5	83.5	72.2	58.8	78.3	886.6

## BUENOS AIRES, ARGENTINA

Lat. 34°35' S. Long. 58°29' W.  $H_b = 25.22$  m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours, 60th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.2	57.0	59.1	59.9	63.3	63.5	62.5	62.3	64.4	59.7	57.1	57.0	60.2
1932	56.5	56.7	58.1	57.2	62.3	59.1	59.4	62.4	61.2	59.5	56.6	56.4	58.8
1933	56.1	56.7	58.7	62.1	61.3	61.9	63.7	61.2	62.1	59.2	58.5	55.9	59.8
1934	56.7	58.8	57.2	62.3	60.3	60.3	62.2	63.3	62.1	60.7	58.6	57.0	60.0
1935	56.8	56.7	57.2	60.1	59.5	60.7	60.8	62.1	60.4	60.7	57.3	55.3	59.0
1936	55.9	58.4	58.2	58.8	57.8	61.7	61.8	61.2	61.1	60.1	59.5	55.0	59.1
1937	57.6	55.5	56.2	61.4	62.1	60.2	61.8	61.0	61.7	60.9	57.7	57.8	59.5
1938	57.5	58.0	58.0	59.7	59.2	62.2	61.6	62.6	61.2	59.1	58.7	55.5	59.4
1939	55.0	57.1	58.3	61.3	59.4	60.3	62.8	59.5	62.6	58.4	57.8	58.8	59.3
1940	55.6	57.4	58.1	58.7	59.5	59.5	59.6	63.2	61.0	62.0	57.8	54.9	58.9
Mean	56.4	57.2	57.9	60.1	60.5	60.9	61.6	61.9	61.8	60.0	58.0	56.4	59.4

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.8	24.4	21.5	16.2	10.3	8.6	9.0	11.2	11.9	17.5	18.0	21.4	16.2
1932	24.7	22.7	21.3	18.0	11.8	10.7	14.0	10.6	14.4	17.6	21.7	22.3	17.5
1933	22.9	22.1	20.1	17.5	15.6	10.2	7.9	12.8	13.7	17.2	19.1	21.7	16.7
1934	25.1	21.7	20.8	14.2	12.9	11.2	10.5	11.5	12.7	15.8	18.6	21.4	16.4
1935	22.2	22.9	21.8	15.0	16.4	11.2	10.2	11.7	12.4	13.9	19.5	21.9	16.6
1936	23.4	22.1	21.1	17.1	14.2	11.6	11.7	10.2	12.7	16.4	18.3	21.9	16.7
1937	22.7	24.1	20.4	17.1	12.7	12.9	9.2	11.1	12.5	14.1	18.5	21.1	16.4
1938	22.5	22.6	20.2	15.7	14.6	11.4	9.9	10.4	14.0	16.5	18.2	22.9	16.6
1939	24.2	22.2	20.1	15.1	14.4	12.8	12.0	13.3	13.0	17.5	17.6	19.8	16.8
1940	24.4	22.7	20.0	16.4	15.2	12.8	12.3	10.0	13.3	14.3	19.0	22.3	16.9
Mean	23.6	22.8	20.7	16.2	13.8	11.3	10.7	11.3	13.1	16.1	18.8	21.7	16.7

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	116.7	41.9	40.3	114.9	18.5	25.1	22.6	125.6	33.1	77.6	156.9	74.7	847.9
1932	74.8	50.7	70.2	65.2	46.6	96.2	212.1	82.2	34.0	106.9	40.8	82.6	962.3
1933	82.0	105.7	119.2	113.4	117.6	0.7	13.9	1.4	104.0	127.1	52.9	79.7	917.6
1934	43.5	26.7	273.5	17.8	72.9	137.8	76.0	48.0	99.8	54.1	96.7	107.5	1054.3
1935	48.0	81.3	94.9	58.2	27.5	38.1	3.6	70.9	42.3	71.6	137.1	92.3	765.8
1936	149.6	27.5	265.7	90.0	102.2	114.0	56.2	72.7	34.7	73.6	73.2	230.9	1290.3
1937	12.8	101.9	174.2	80.5	51.1	94.0	8.6	54.3	163.0	48.7	51.3	73.7	914.1
1938	13.9	44.1	154.3	109.7	94.3	33.9	93.9	29.5	92.4	72.2	100.9	17.6	856.7
1939	119.2	83.6	110.4	18.9	58.9	56.1	73.9	117.1	110.3	291.1	26.1	49.9	1115.5
1940	99.0	154.0	92.3	230.4	64.0	107.4	145.2	23.6	127.4	29.0	86.5	273.5	1432.3
Mean	76.0	71.7	139.5	89.9	65.4	70.3	70.6	62.5	84.1	95.2	82.2	108.2	1015.7

\* See NOTES, p. 51.

## CATAMARCA, ARGENTINA

Lat. 28°29' S. Long. 65°44' W.  $H_p = 510$  m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.4	...	...	...	19.5	19.3	17.8	18.9	19.3	15.7	14.6	13.5	...
1932	14.2	14.6	15.0	14.5	20.4	16.3	16.8	...	...	...	...	...	...
1933	12.0	13.1	14.8	16.5	17.1	18.0	19.2	16.4	16.7	13.6	...	11.7	†15.7
1934	12.9	15.2	13.0	16.9	...	...	...	...	...	...	...	12.8	...
1935	12.4	13.8	14.1	17.1	15.9	16.6	17.5	17.5	16.1	15.3	12.1	10.3	15.0
1936	11.0	14.2	13.2	14.1	14.0	17.0	17.0	17.6	...	14.1	15.1	10.7	†14.5
1937	13.3	12.6	13.1	16.7	17.5	16.4	16.5	14.8	17.1	16.5	11.7	12.1	14.9
1938	10.7	12.8	13.4	16.2	14.6	16.6	16.6	17.5	15.8	14.5	12.7	12.1	14.5
1939	11.0	12.5	13.9	17.2	14.6	15.8	18.4	15.6	16.7	13.5	13.6	14.7	14.8
1940	13.0	13.6	14.4	14.9	16.3	16.1	16.3	19.0	16.4	17.2	14.0	11.5	15.2
Mean	12.4	13.6	14.0	16.0	16.6	16.9	17.3	17.1	16.9	15.0	13.4	12.2	†15.1

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.2	...	...	...	11.7	9.7	11.5	14.7	15.9	24.0	23.3	27.2	...
1932	27.2	25.9	25.9	21.0	14.4	13.0	14.3	...	...	...	...	...	...
1933	26.9	25.4	23.9	21.2	17.1	12.1	9.4	16.1	18.2	23.9	...	26.6	†20.4
1934	28.1	25.0	24.8	18.2	...	...	...	...	...	...	...	25.0	...
1935	26.4	26.1	25.2	19.8	18.9	13.3	12.0	16.6	17.4	19.5	25.1	27.1	20.6
1936	28.2	25.3	24.5	20.6	16.0	12.2	13.9	14.8	...	23.3	21.6	27.4	†20.5
1937	28.6	28.6	24.8	20.1	15.4	13.2	11.5	15.8	17.3	20.6	25.8	27.1	20.7
1938	27.2	24.7	22.8	17.4	15.7	11.4	12.0	12.2	20.6	23.1	25.7	28.3	20.1
1939	28.3	26.4	23.0	17.7	16.0	13.8	13.5	17.2	18.3	21.9	23.0	24.4	20.3
1940	26.5	25.0	23.3	20.0	14.0	12.8	13.3	13.6	17.6	19.1	23.2	27.6	19.7
Mean	27.3	25.8	24.2	19.6	15.5	12.4	12.4	15.1	17.9	21.9	24.0	26.7	†20.2

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	106.0	104.0	119.0	11.0	15.0	14.0	0.0	0.0	7.6	57.5	25.0	120.3	579.4
1932	85.0	97.0	44.0	21.0	4.0	0.0	0.0	0.0	6.0	4.0	31.4	6.6	299.0
1933	47.0	128.5	42.0	5.0	0.0	0.0	1.0	0.0	5.4	16.0	46.0	70.2	361.1
1934	36.0	31.0	115.0	11.0	8.0	5.0	8.4	4.0	24.0	0.0	50.5	65.0	357.9
1935	23.0	95.0	38.4	52.0	0.0	11.0	0.0	3.0	0.0	2.0	37.0	49.0	310.4
1936	22.0	102.7	37.0	37.3	19.1	1.0	0.0	0.0	0.0	3.0	83.7	59.2	365.0
1937	61.5	25.8	6.8	13.6	30.2	1.2	3.3	4.0	10.3	35.9	6.0	31.8	230.4
1938	84.2	69.2	69.3	16.3	5.0	12.9	3.8	12.8	0.0	12.0	28.5	20.3	334.3
1939	128.3	42.8	99.9	15.2	12.7	1.1	0.0	0.0	3.9	38.6	21.8	87.1	451.4
1940	43.0	94.8	28.6	36.5	20.1	6.3	3.8	6.6	7.8	86.8	67.4	21.4	423.1
Mean	63.6	79.1	60.0	21.9	11.4	5.3	2.0	3.0	6.5	25.6	39.7	53.1	371.2

\* See NOTES, p. 52.

† Normal values used for missing months.

‡ Mean of 12 monthly means.

## CIPOLLETTI, ARGENTINA

Lat. 38°57' S. Long. 67°59' W. H<sub>b</sub> = 265.22 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours, 60th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	34.9	34.5	37.9	37.7	41.7	39.8	38.5	39.8	41.9	37.0	36.1	34.9	37.9
1932	34.2	35.2	36.4	35.1	40.1	36.4	37.5	40.5	39.4	37.8	35.5	34.8	36.9
1933	34.2	34.6	36.6	37.7	38.8	38.4	40.9	38.5	40.0	36.9	36.4	34.6	37.3
1934	34.6	36.5	35.4	39.7	36.9	36.4	38.6	40.2	40.6	39.6	37.4	35.5	37.6
1935	35.0	35.7	35.0	38.0	36.6	36.3	38.3	39.2	38.8	39.3	35.4	33.9	36.8
1936	33.7	36.3	35.6	36.4	35.4	38.5	37.8	39.8	38.1	38.1	37.4	33.8	36.7
1937	35.4	33.6	34.9	38.3	38.8	37.3	38.2	38.2	40.5	39.3	35.6	35.1	37.1
1938	34.4	36.5	36.2	39.1	36.5	38.4	38.2	40.1	39.2	37.4	36.7	34.9	37.3
1939	34.0	34.7	36.5	38.9	36.4	37.6	39.5	37.4	40.1	36.5	36.3	37.2	37.1
1940	35.1	35.1	36.6	36.0	36.4	37.3	37.3	41.0	39.1	40.3	36.2	33.6	37.0
Mean	34.6	35.3	36.1	37.7	37.8	37.6	38.5	39.5	39.8	38.2	36.3	34.8	37.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	21.2	22.1	17.0	11.6	5.6	4.8	5.7	7.9	10.2	16.9	17.3	22.4	13.6
1932	24.2	22.4	18.6	14.1	7.8	7.4	8.1	7.2	11.1	15.0	19.0	21.3	14.7
1933	21.6	20.6	16.5	13.9	9.1	5.8	3.0	7.9	11.6	14.9	18.9	20.2	13.7
1934	23.2	20.6	17.5	12.0	8.7	5.1	5.7	8.8	10.4	13.4	17.7	20.4	13.6
1935	22.1	20.8	19.9	12.7	11.1	6.3	6.5	8.7	10.0	12.0	19.1	19.7	14.1
1936	22.3	21.5	18.1	14.3	8.5	4.9	6.2	6.3	11.9	15.0	18.8	19.6	14.0
1937	22.3	20.6	17.0	14.4	8.9	8.0	5.6	7.7	11.7	14.0	17.0	21.4	14.0
1938	19.6	20.1	16.5	12.0	10.2	5.4	5.8	6.9	11.2	15.2	17.0	21.3	13.4
1939	22.1	20.1	17.2	11.8	9.8	6.8	6.8	9.1	10.9	15.2	17.6	20.0	14.0
1940	21.6	21.1	16.7	13.5	10.6	8.1	7.9	7.4	11.7	12.9	17.3	20.8	14.1
Mean	22.0	21.0	17.5	13.0	9.0	6.3	6.1	7.8	11.1	14.4	18.0	20.7	13.9

## CONCORDIA, ARGENTINA

Lat. 31°23' S. Long. 58°2' W.

TOTAL PRECIPITATION IN MILLIMETERS. H = 24 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	253.2	46.2	78.8	59.8	62.1	42.4	57.7	106.9	39.3	88.1	164.0	87.5	1086.0
1932	38.4	294.8	118.9	117.8	105.0	137.8	93.5	73.9	74.8	157.5	120.0	97.2	1429.6
1933	63.3	36.4	115.3	39.5	40.8	0.0	26.2	10.7	88.7	127.4	17.6	60.7	626.6
1934	48.6	104.6	367.5	10.5	48.1	188.4	39.9	59.1	45.1	115.0	148.0	129.8	1304.6
1935	134.5	163.6	198.0	74.7	71.7	21.0	15.7	2.6	8.9	185.9	73.7	225.5	1175.8
1936	256.5	20.0	124.1	244.2	231.3	86.5	114.5	41.4	48.4	137.4	11.5	90.1	1405.9
1937	41.9	241.0	146.4	80.1	90.7	30.4	11.8	64.7	47.0	55.4	61.3	44.8	915.5
1938	242.5	85.4	352.6	81.7	54.2	26.2	62.4	45.6	94.8	62.8	111.6	7.6	1227.4
1939	318.2	136.0	75.1	74.2	30.0	111.2	14.6	118.8	45.4	82.2	73.5	217.2	1306.4
1940	214.1	109.5	158.2	193.2	117.2	88.3	231.1	47.5	238.3	41.4	124.2	311.0	1874.0
Mean	161.1	123.8	173.5	97.6	85.1	73.2	66.7	57.1	73.1	106.3	90.5	127.1	1235.2



## CÓRDOBA, ARGENTINA

Lat. 31°25' S. Long. 64°12' W. H<sub>b</sub> = 425.1 m.\*PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.9	21.5	23.7	23.8	27.3	26.7	25.4	25.9	27.4	23.5	22.0	21.4	24.1
1932	21.1	21.4	22.6	21.7	26.4	22.9	23.6	26.0	24.5	23.4	21.2	21.0	23.0
1933	20.3	21.1	22.9	24.9	24.9	25.3	27.2	24.3	25.2	22.2	22.3	20.4	23.4
1934	21.0	23.2	21.3	26.1	23.7	23.4	25.1	26.6	25.1	24.8	22.9	21.7	23.7
1935	21.7	21.8	22.0	24.7	23.2	25.4	25.0	25.8	24.6	24.6	22.0	20.4	23.4
1936	20.4	23.2	22.6	23.6	22.3	25.5	25.5	25.7	24.8	24.0	24.2	20.3	23.5
1937	22.2	20.3	21.5	25.1	26.1	24.3	25.3	24.1	26.5	25.2	21.5	21.8	23.7
1938	20.4	22.9	22.8	24.4	23.1	25.7	25.1	26.4	25.4	23.6	22.4	20.8	23.6
1939	20.2	22.0	23.1	25.8	23.1	24.1	26.4	23.7	25.9	22.6	22.9	23.4	23.6
1940	21.4	22.5	23.1	23.2	23.5	23.5	23.9	27.2	25.0	25.9	22.5	20.0	23.5
Mean	21.0	22.0	22.6	24.3	24.4	24.7	25.2	25.6	25.5	24.0	22.4	21.1	23.6

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.9	22.8	20.5	16.2	9.1	8.4	8.9	10.6	12.3	18.8	18.8	22.6	16.0
1932	24.8	23.0	22.3	17.5	11.5	10.9	12.5	11.2	15.9	17.3	22.0	23.0	17.7
1933	24.5	22.6	20.3	18.2	13.6	10.6	7.8	14.1	14.8	19.7	22.2	22.5	17.6
1934	25.1	22.2	20.3	14.9	13.1	11.3	10.8	12.4	13.5	16.6	19.0	21.9	16.8
1935	24.0	25.6	23.2	17.1	17.9	11.7	10.7	16.2	14.3	15.2	21.6	22.5	18.3
1936	24.3	22.8	22.1	16.8	13.4	10.8	11.1	11.5	15.9	19.0	19.0	23.1	17.5
1937	25.1	25.0	21.2	18.7	13.2	13.2	10.6	13.2	14.3	17.9	22.4	24.7	18.3
1938	25.1	23.8	19.6	15.7	14.0	11.1	10.6	11.0	16.3	19.7	21.7	27.0	18.0
1939	25.6	22.7	21.2	15.6	14.6	12.8	12.8	15.3	13.6	17.1	18.8	20.8	17.6
1940	23.2	21.8	19.9	16.9	14.9	12.2	12.2	10.5	14.3	15.2	19.6	22.1	16.9
Mean	24.5	23.2	21.1	16.8	13.5	11.3	10.8	12.6	14.5	17.6	20.5	23.0	17.5

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	85.3	231.0	95.3	46.7	33.5	4.0	2.9	10.0	27.9	48.8	94.8	232.5	912.7
1932	65.6	80.3	59.5	99.8	15.1	1.3	10.0	3.3	33.2	86.7	72.3	100.0	627.1
1933	105.2	77.2	138.7	45.4	4.4	0.0	0.0	0.0	83.2	26.1	49.7	92.2	622.1
1934	82.3	45.2	176.4	25.7	31.1	1.4	11.4	3.4	120.1	32.4	133.1	88.8	751.3
1935	47.3	15.1	90.8	20.4	0.0	0.0	0.0	8.3	28.1	44.2	85.1	115.2	454.5
1936	90.6	56.5	56.5	124.1	4.2	10.2	5.0	0.6	11.9	71.0	97.3	47.3	575.2
1937	41.1	98.3	62.7	54.1	2.2	5.2	0.0	4.3	34.2	6.2	49.4	43.9	401.6
1938	34.1	77.0	120.7	45.6	49.2	9.0	0.3	14.2	0.0	75.0	73.0	6.4	504.5
1939	224.3	49.2	114.1	18.6	21.5	2.8	0.0	23.3	63.3	231.7	26.5	210.6	985.9
1940	98.1	68.1	112.5	70.7	3.8	13.0	11.7	33.7	47.2	57.3	83.7	271.1	870.9
Mean	87.4	79.8	102.7	55.1	16.5	4.7	4.1	10.1	44.9	67.9	76.5	120.8	670.6

\* See NOTES, p. 52.

## CORRIENTES, ARGENTINA

Lat. 27°27' S. Long. 58°49' W. H = 54 m.

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	251.2	46.0	124.6	196.4	139.6	37.5	3.8	24.1	9.5	268.0	24.8	138.5	1264.0
1932	91.2	53.5	214.9	159.9	40.9	5.6	107.7	62.0	67.2	108.7	272.4	78.2	1262.2
1933	75.6	38.9	95.7	117.9	86.3	13.4	0.0	2.7	23.3	187.8	15.3	64.7	721.6
1934	25.4	247.6	130.0	70.8	68.5	52.8	9.2	70.7	22.5	68.4	182.5	192.2	1140.6
1935	39.6	176.6	1.9	20.4	61.6	75.8	4.2	88.2	33.3	39.2	287.4	290.0	1118.2
1936	289.3	69.3	78.2	108.9	37.5	90.8	96.6	20.9	68.6	87.1	9.0	6.6	962.8
1937	19.2	106.7	82.1	103.2	39.9	96.7	20.4	15.7	54.3	32.4	218.8	28.2	817.6
1938	223.1	196.2	165.5	199.1	110.0	16.8	15.5	10.2	103.1	63.0	87.0	30.5	1220.0
1939	56.4	169.4	209.0	87.0	66.2	13.5	74.5	86.5	171.1	312.0	211.9	86.5	1544.0
1940	183.7	72.6	245.5	122.9	54.1	87.3	552.4	151.8	142.5	99.1	123.5	107.4	1942.8
Mean	125.5	117.7	134.7	118.6	70.5	49.0	88.4	53.3	69.5	126.6	143.3	102.3	1199.4

## ESQUEL (DIEZ-Y-SEIS DE OCTUBRE), ARGENTINA

LAT. 42°53' S. Long. 71°18' W. H = 563.41 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.3	9.6	12.4	...	14.0	...	...	...	...	10.6	11.3	10.6	...
1932	9.9	10.6	11.1	7.3	13.0	7.7	9.1	12.7	11.2	11.0	10.4	10.4	10.4
1933	8.8	9.5	10.7	10.8	11.1	9.5	12.6	9.8	12.9	10.9	11.3	9.5	10.6
1934	10.5	12.3	9.8	13.6	9.0	7.7	10.2	12.5	13.2	13.9	12.9	11.3	11.4
1935	10.8	10.7	10.0	12.1	8.6	6.9	11.2	11.6	12.0	13.0	10.2	8.8	10.5
1936	10.1	11.8	10.3	10.1	7.4	9.5	9.1	12.9	10.7	12.5	12.9	8.2	10.5
1937	11.8	7.9	9.3	12.1	11.0	8.8	10.2	10.6	14.4	14.1	9.7	11.8	11.0
1938	10.0	12.5	10.3	13.2	8.8	9.8	9.8	12.9	11.9	11.6	10.4	11.0	11.0
1939	10.0	10.4	11.3	13.2	8.5	8.9	11.9	9.3	13.3	9.7	11.4	12.2	10.8
1940	10.5	10.0	11.0	8.3	8.0	8.9	8.0	13.8	12.2	13.5	10.2	8.6	10.2
Mean	10.3	10.5	10.6	11.2	9.9	8.6	10.2	11.8	12.4	12.1	11.1	10.2	*10.7

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.3	16.7	12.5	...	3.6	...	...	...	...	10.0	12.3	15.1	...
1932	16.5	16.3	12.9	9.6	5.3	2.9	3.8	3.0	6.7	9.7	12.0	14.2	9.4
1933	14.9	13.6	9.9	8.3	6.2	3.3	0.9	5.4	6.1	8.2	11.1	12.9	8.4
1934	14.9	13.2	12.2	8.2	5.3	2.2	3.4	5.0	7.7	9.1	11.9	14.4	9.0
1935	15.9	14.4	13.0	9.8	7.5	4.6	3.4	5.2	6.0	8.6	11.5	12.0	9.3
1936	13.7	16.5	12.2	8.7	5.5	1.8	4.3	3.6	6.0	8.7	13.4	11.1	8.8
1937	16.6	13.8	11.0	9.4	4.9	4.5	2.5	3.1	6.8	10.0	10.3	14.9	9.0
1938	12.6	15.0	10.9	7.8	6.3	3.7	2.4	3.8	6.4	8.8	10.5	12.9	8.4
1939	13.5	13.1	11.7	7.6	4.4	5.3	3.2	5.4	6.2	9.1	11.2	15.9	8.9
1940	14.4	15.0	11.5	8.2	5.3	4.3	4.4	3.3	7.0	9.4	11.7	12.2	8.9
Mean	14.9	14.8	11.8	8.6	5.4	3.6	3.1	4.2	6.5	9.2	11.6	13.6	*8.9

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	20.4	15.7	14.8	39.3	39.9	...	...	...	...	9.2	8.0	15.0	...
1932	5.5	10.6	17.3	110.7	23.2	185.1	160.1	48.5	34.9	95.9	0.4	12.2	704.4
1933	62.3	41.5	88.3	46.7	31.9	99.5	25.3	67.9	16.6	7.3	7.6	21.7	516.6
1934	8.4	14.0	19.6	37.3	111.6	84.0	142.0	78.3	6.6	16.7	19.8	7.6	545.9
1935	18.8	17.7	106.6	10.8	109.4	133.5	35.1	15.9	12.4	34.0	46.2	15.0	555.4
1936	29.8	2.8	60.8	43.0	56.9	27.9	89.1	29.2	26.3	16.2	3.3	42.8	428.1
1937	1.5	45.0	19.9	25.3	56.3	237.2	41.8	49.3	5.8	5.6	12.6	16.7	517.0
1938	7.6	0.0	34.2	8.6	78.0	119.1	55.4	106.6	31.0	28.7	139.5	2.5	611.2
1939	38.9	32.3	6.5	3.0	105.3	80.4	67.8	88.9	190.3	21.8	6.8	0.8	642.8
1940	27.3	42.7	9.2	85.3	61.5	119.4	92.9	9.5	15.9	5.9	32.8	67.5	569.9
Mean	22.0	22.2	37.7	41.0	67.4	120.7	78.8	54.9	37.8	24.1	27.7	20.2	†554.5

\* Mean of 12 monthly means.

† Sum of 12 monthly means.

## GENERAL ACHA, ARGENTINA

Lat. 37°4' S. Long. 64°6' W.

TOTAL PRECIPITATION IN MILLIMETERS. H = 218 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	288.0	114.0	25.0	24.0	0.0	0.0	25.0	11.0	11.0	49.0	25.0	80.0	602.0
1932	28.0	13.0	46.0	4.0	39.0	1.0	7.0	64.0	66.0	105.0	15.0	36.0	424.0
1933	25.0	11.0	57.0	18.0	60.0	1.5	0.0	7.0	30.3	40.0	2.0	23.0	274.8
1934	65.5	1.0	45.5	4.0	19.0	3.0	0.0	17.0	72.0	130.0	76.0	92.0	525.0
1935	61.0	14.0	60.0	0.0	4.0	0.0	16.0	0.0	0.0	92.0	12.0	51.0	310.0
1936	21.0	97.0	5.5	61.0	23.1	9.6	8.7	4.2	2.6	46.3	30.1	87.7	396.8
1937	5.7	7.0	100.5	42.2	26.1	15.0	14.2	13.7	0.3	57.4	28.3	7.8	318.2
1938	14.7	25.7	31.8	83.8	27.4	3.1	0.7	16.9	2.1	5.9	27.7	2.0	241.8
1939	35.6	135.8	33.5	1.8	41.1	32.6	8.6	10.9	82.2	61.9	1.2	76.5	521.7
1940	14.9	153.3	42.8	28.1	14.8	121.1	26.4	32.2	11.2	94.6	67.4	142.7	749.5
Mean	50.9	57.2	44.8	26.7	25.4	18.7	10.7	17.7	27.8	68.2	28.5	59.9	436.4

## GOYA, ARGENTINA

Lat. 29°9' S. Long. 59°16' W. H<sub>s</sub> = 37.16 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	54.1	54.8	57.2	57.9	61.4	62.3	60.4	60.4	61.1	66.7	55.5	54.2	58.0
1932	54.5	54.1	56.0	55.4	61.1	57.9	57.4	59.8	58.4	56.6	54.6	54.2	56.7
1933	53.4	54.2	55.9	59.1	59.1	60.8	61.8	58.9	58.6	56.2	56.2	53.6	57.3
1934	54.1	56.6	55.0	...	58.1	57.9	60.8	60.6	58.8	58.6	55.9	54.6	†57.4
1935	54.4	54.8	54.8	58.7	58.3	58.1	59.6	59.5	58.1	56.9	55.3	52.8	56.8
1936	54.2	55.7	55.8	56.6	55.7	59.6	60.3	59.7	58.2	57.0	56.8	52.6	56.8
1937	54.5	53.2	54.6	59.0	60.5	59.0	60.2	57.6	59.0	59.2	55.2	55.1	57.3
1938	53.2	55.9	55.8	57.8	57.7	69.5	59.6	60.1	58.8	57.6	56.1	54.0	57.2
1939	52.7	54.9	56.1	59.5	57.1	58.0	61.9	57.0	58.8	55.6	...	...	†56.8
1940	...	...	...	56.8	57.2	58.5	58.1	60.9	58.0	59.0	55.0	52.9	†56.7
Mean	53.9	54.9	55.7	57.9	58.6	59.2	60.0	59.4	58.8	57.3	55.6	53.8	†57.1

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.8	27.0	23.6	19.1	13.8	12.2	14.1	15.3	16.1	20.5	20.8	26.5	19.6
1932	28.0	26.2	24.8	19.5	14.0	13.8	18.4	14.0	17.3	20.2	24.3	26.1	20.6
1933	26.8	26.3	24.0	20.7	18.7	15.0	11.8	17.3	17.7	22.0	24.3	26.1	20.9
1934	29.5	25.0	25.1	17.8	17.9	16.7	14.3	15.8	18.7	20.0	22.6	26.5	20.8
1935	28.4	26.8	26.5	20.2	19.5	16.8	14.3	15.8	16.8	18.9	23.3	25.3	21.0
1936	25.3	25.1	25.6	19.9	19.2	15.7	14.3	13.8	18.2	20.3	22.9	27.6	20.7
1937	27.8	27.8	23.4	19.5	15.9	16.6	12.9	16.4	17.1	19.2	22.1	25.0	20.3
1938	25.5	24.4	22.4	18.6	17.6	15.6	14.6	14.3	17.9	20.4	23.0	26.5	20.1
1939	28.9	25.3	23.6	18.7	19.1	17.0	14.3	18.9	17.8	21.7	...	...	...
1940	...	...	...	19.9	19.0	15.7	16.4	13.8	17.5	17.4	22.1	26.6	...
Mean	27.3	26.0	24.3	19.4	17.5	15.5	14.5	15.5	17.5	20.1	22.8	26.2	†20.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	288.4	30.3	151.0	189.0	49.4	58.6	7.8	46.8	24.4	192.9	65.8	100.8	1205.2
1932	42.1	122.3	180.9	288.7	31.0	65.3	66.0	46.5	107.0	177.7	197.3	64.3	1389.1
1933	110.4	36.9	142.5	45.0	25.3	0.0	3.7	1.0	69.0	32.5	29.0	122.3	618.6
1934	27.7	97.5	134.7	60.5	36.0	88.5	14.3	9.5	24.0	62.0	211.1	54.0	819.8
1935	81.0	142.0	140.2	23.5	18.0	11.2	18.5	43.5	11.8	61.2	168.2	267.0	986.1
1936	313.5	52.8	100.0	78.2	38.8	58.0	50.5	27.0	17.5	77.3	20.5	64.9	899.0
1937	54.0	150.8	96.5	70.7	62.5	41.7	25.0	26.8	50.1	55.8	181.5	87.2	912.6
1938	190.5	70.7	271.6	101.1	81.5	45.9	21.7	17.9	97.5	81.3	146.4	22.0	1148.1
1939	104.2	162.3	160.4	125.2	19.8	10.2	5.0	81.6	150.5	108.9	47.8	55.7	1031.6
1940	247.0	49.4	195.2	128.2	82.6	56.5	127.5	120.0	151.2	27.1	108.6	165.2	1458.5
Mean	145.9	91.5	157.3	111.0	44.5	43.6	34.0	42.1	70.3	87.8	117.6	101.3	1046.9

\* See NOTES, p. 52.

† Normal values used for missing months.

‡ Mean of 12 monthly means.

HARDING GREEN (BAHÍA BLANCA), (PUERTO BELGRANO),\*  
ARGENTINA

Lat. 38°45' S. Long. 62°12' W.  $H_b = 25$  m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.0	56.2	58.7	59.4	63.0	62.2	60.8	61.9	64.4	58.6	56.7	56.3	59.5
1932	54.8	55.8	56.9	55.4	61.0	58.2	58.9	62.6	60.5	58.8	55.4	55.2	57.8
1933	54.9	54.8	56.6	58.6	59.2	58.0	62.2	59.3	61.7	57.9	56.6	54.4	57.8
1934	55.4	57.6	56.5	60.4	57.9	58.1	59.3	60.0	61.2	60.0	58.6	56.0	58.5
1935	55.7	55.8	55.4	58.7	57.6	58.2	59.3	60.6	60.0	61.6	55.7	54.0	57.7
1936	54.4	57.9	57.4	58.6	57.0	60.8	60.1	61.1	59.7	59.7	59.1	53.6	58.3
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	57.8	59.2	60.9	58.9	62.2	58.2	56.6	58.8	...
1940	55.4	56.6	57.5	57.4	58.1	58.2	59.0	...	61.2	62.5	57.6	54.5	...
Mean	55.2	56.3	57.0	58.3	58.9	59.1	60.1	60.6	61.4	59.7	57.0	55.4	†58.2

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.4	23.8	19.1	14.2	9.1	8.3	7.6	8.8	11.1	17.4	17.9	22.5	15.2
1932*	22.9	21.2	20.0	16.6	11.3	9.3	10.2	8.8	11.3	14.8	19.3	21.1	15.6
1933	19.5	22.9	19.0	16.8	13.2	8.3	5.9	8.8	11.0	14.5	18.6	20.3	14.9
1934	24.2	21.4	18.8	13.6	11.4	8.8	8.6	10.3	10.1	13.6	16.6	19.5	14.7
1935	21.2	21.0	20.7	14.2	13.6	9.0	7.1	9.2	10.1	12.0	19.5	20.6	14.8
1936	21.8	21.1	19.3	15.8	11.6	7.7	9.5	7.8	11.3	13.3	17.2	20.6	14.8
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	11.5	9.2	9.4	10.4	10.6	14.3	16.0	18.6	...
1940	22.4	22.3	18.0	14.5	11.5	10.0	8.9	...	11.1	11.6	17.8	20.9	...
Mean	22.1	22.0	19.3	15.1	11.7	8.8	8.4	9.2	10.8	13.9	17.9	20.5	†15.0

TOTAL PRECIPITATION \* IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	182.7	31.4	115.3	15.5	0.0	0.0	82.5	14.0	4.0	41.2	43.6	4.0	534.2
1932	8.4	49.0	77.2	38.1	47.2	0.5	7.6	41.0	27.6	108.8	67.2	44.8	517.4
1933	17.8	55.5	235.2	65.9	32.1	11.0	4.0	2.0	29.0	38.1	27.0	32.7	550.3
1934	39.1	6.3	105.3	3.0	7.9	9.8	2.0	14.1	78.3	134.4	98.9	54.0	553.1
1935	10.5	23.0	50.0	12.0	17.0	0.0	39.3	26.0	1.0	29.0	32.0	63.7	303.5
1936	50.0	67.5	21.5	27.5	0.0	3.0	19.0	11.5	12.0	70.0	33.7	115.0	430.7
1937	4.0	10.0	58.0	3.5	81.5	17.0	13.0	10.0	23.0	103.0	46.0	28.3	396.3
1938	65.0	7.0	173.0	18.0	51.0	4.0	23.0	5.0	19.0	34.0	82.0	0.0	431.0
1939	12.5	51.3	32.0	13.0	92.5	48.0	31.0	13.6	62.0	109.2	12.0	6.0	483.1
1940	34.0	83.0	52.0	19.0	56.0	114.0	5.0	33.0	40.0	60.0	59.0	111.0	666.0
Mean	42.4	38.4	92.0	21.6	38.5	20.7	22.6	17.0	29.5	72.8	50.1	46.0	491.6

\* See NORES, p. 52.

† Mean of 12 monthly means.

## JUNIN DE LOS ANDES, ARGENTINA

Lat. 39°9' S. Long. 71°0' W.

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	18.9	41.0	1.0	38.5	68.0	117.5	154.5	114.5	14.5	48.5	17.5	0.0	634.4
1932	0.0	11.0	66.7	150.6	11.1	194.9	172.9	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	46.8	168.9	106.5	76.0	64.8	39.6	12.6	21.3	23.4	...
1937	1.9	55.9	16.2	7.7	139.1	183.2	78.1	139.2	4.3	3.7	6.4	8.6	644.3
1938	9.8	0.0	72.7	7.3	67.4	140.1	134.1	44.4	39.1	13.7	72.3	0.0	600.9
1939	44.4	38.9	0.0	9.9	118.8	128.6	102.8	179.6	25.2	59.2	0.0	7.8	715.2
1940	9.0	24.6	3.8	85.9	197.1	165.3	152.8	2.6	9.6	18.7	34.6	54.6	758.6
Mean	14.0	28.6	26.7	49.5	110.0	148.0	124.4	90.3	22.0	26.1	25.4	15.7	*681.2

\* Sum of 12 monthly means.

## MAR DEL PLATA, ARGENTINA

Lat. 38°2' S. Long. 57°33' W. H<sub>b</sub> = 13.62 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.2	58.9	60.9	61.3	64.2	64.2	63.5	64.1	66.6	61.6	58.7	59.0	61.8
1932	58.4	58.7	60.3	58.1	62.9	60.1	61.3	64.8	63.0	62.0	58.3	58.4	60.5
1933	58.2	58.8	60.4	63.7	63.5	61.6	64.8	62.7	65.0	60.8	60.0	57.3	61.4
1934	58.9	60.0	59.1	63.7	61.3	61.3	62.7	65.1	65.1	62.2	60.8	59.1	61.6
1935	58.5	59.2	58.7	60.7	60.8	61.6	61.4	63.9	62.0	63.6	58.5	57.2	60.5
1936	57.6	60.8	60.2	61.0	59.2	63.2	63.2	62.9	63.0	62.6	62.1	56.9	61.1
1937	59.6	56.3	57.6	62.9	62.7	60.8	62.0	62.4	63.4	61.2	58.0	58.3	60.4
1938	56.2	58.6	58.9	60.7	59.2	62.5	61.6	62.8	62.3	59.1	59.9	56.1	59.8
1939	55.8	57.8	59.4	61.2	60.0	61.0	62.8	60.4	64.4	60.2	57.8	60.5	60.1
1940	57.0	59.1	59.2	59.5	60.2	60.4	60.6	62.9	62.6	63.6	59.0	56.4	60.0
Mean	57.8	58.8	59.5	61.3	61.4	61.7	62.4	63.2	63.7	61.7	59.3	57.9	60.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.3	21.2	19.1	14.2	9.6	7.6	7.3	8.8	9.1	13.9	13.8	17.6	13.5
1932	21.0	19.8	18.7	16.3	11.1	9.4	10.6	8.8	11.3	14.0	18.0	18.8	14.8
1933	19.6	19.4	17.9	15.7	14.4	8.8	7.5	10.0	10.2	13.2	15.8	17.5	14.2
1934	21.1	18.9	18.4	13.3	11.5	9.2	8.3	9.6	9.8	13.3	14.8	17.5	13.8
1935	18.6	19.1	19.4	13.7	13.6	9.2	7.6	8.7	9.1	10.6	16.7	17.5	13.6
1936	19.4	19.0	17.8	15.4	11.9	9.9	10.6	9.0	10.1	12.8	15.5	18.3	14.1
1937	19.2	21.5	18.1	14.7	11.5	10.7	7.5	8.2	9.4	11.5	15.1	16.4	13.6
1938	17.7	19.1	17.7	14.2	12.6	8.4	7.9	7.8	10.8	13.2	14.1	16.6	13.3
1939	19.7	19.3	17.3	12.9	10.8	9.1	9.0	10.1	9.9	13.2	14.0	15.0	13.4
1940	18.9	19.2	17.4	14.8	12.2	11.0	10.1	8.4	10.3	10.6	14.8	17.4	13.3
Mean	19.6	19.6	18.2	14.5	11.9	19.3	8.6	8.9	10.0	12.6	15.3	17.3	13.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	96.5	13.7	105.8	86.6	21.7	52.0	59.7	85.5	18.9	105.1	97.7	46.0	789.2
1932	46.7	80.8	117.0	47.2	45.9	80.2	58.2	26.4	3.4	103.0	72.8	61.2	742.8
1933	50.3	50.8	56.8	84.4	63.1	30.1	24.8	6.8	49.8	66.2	17.0	148.0	648.1
1934	34.0	40.9	45.0	24.1	12.9	39.4	32.9	11.2	30.7	58.0	165.0	52.2	546.3
1935	10.7	61.2	5.8	36.8	122.2	40.9	90.7	31.2	13.7	55.6	48.8	38.1	555.7
1936	190.5	43.2	72.3	96.3	50.3	142.0	28.6	54.8	55.6	72.0	42.9	75.1	923.6
1937	24.9	85.9	88.1	5.1	30.4	35.4	32.9	67.2	57.3	26.8	85.1	32.8	571.9
1938	22.7	13.7	147.9	51.9	116.9	73.2	74.0	3.4	31.8	39.7	74.3	62.9	712.4
1939	38.4	52.0	166.3	48.1	35.9	31.9	7.1	71.4	24.7	175.4	76.3	32.3	759.8
1940	74.7	58.7	32.6	41.0	230.1	225.2	63.9	11.1	64.7	60.2	85.9	142.7	1091.4
Mean	58.9	50.1	83.3	52.2	72.9	75.0	47.3	36.9	35.1	76.2	76.6	69.1	734.1



## MENDOZA, ARGENTINA

Lat. 32°53' S. Long. 68°50' W. H<sub>b</sub> = 755 m.PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

600 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	92.5	92.8	95.1	94.8	98.0	97.0	95.2	96.4	97.6	94.4	93.3	92.4	95.0
1932	92.3	93.0	93.8	93.2	97.2	93.8	94.9	96.4	95.9	94.7	92.9	92.5	94.2
1933	91.5	92.3	94.0	95.2	95.8	96.0	97.6	95.4	96.2	93.2	93.6	91.6	94.4
1934	92.3	94.1	92.8	96.6	94.4	93.7	95.7	97.1	96.0	95.9	94.1	92.9	94.6
1935	92.6	93.1	92.8	95.5	94.1	94.2	95.2	95.9	94.7	94.3	92.5	91.0	93.3
1936	91.3	93.5	93.3	93.9	92.7	95.2	95.0	96.1	95.0	94.0	94.0	90.9	93.7
1937	92.6	91.3	92.2	95.3	96.1	95.0	95.6	94.5	97.1	96.1	92.3	92.2	94.2
1938	91.7	94.0	93.6	96.0	94.0	95.6	95.1	96.8	95.8	94.5	93.2	92.2	94.4
1939	91.6	92.4	94.1	96.3	93.8	94.9	96.9	94.8	96.5	93.4	93.3	94.3	94.4
1940	92.9	92.8	94.0	94.1	94.1	94.3	94.5	97.6	95.7	96.6	93.3	91.3	94.3
Mean	92.1	92.9	93.8	95.1	95.0	95.0	95.6	96.1	96.0	94.7	93.2	92.1	94.3

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.8	23.6	19.2	13.8	7.2	5.7	7.0	9.2	10.8	18.5	17.7	24.2	15.0
1932	25.0	22.5	20.9	15.6	9.3	8.1	9.0	8.4	12.6	16.7	21.3	22.3	16.0
1933	23.2	21.7	18.6	15.2	11.0	7.0	5.0	10.9	13.0	18.1	20.1	22.8	15.6
1934	25.0	21.6	20.1	12.9	10.7	7.4	7.5	10.0	12.4	14.6	18.1	21.6	15.2
1935	23.6	23.1	21.6	13.9	12.5	7.6	6.3	9.9	11.1	13.0	20.7	22.0	15.4
1936	23.9	22.0	18.6	14.7	9.7	5.9	7.5	8.0	12.3	16.7	18.3	21.5	14.9
1937	22.8	22.5	18.7	14.8	9.7	7.6	6.5	9.3	11.8	14.2	19.4	23.0	15.0
1938	21.6	20.8	17.7	12.0	10.3	6.1	6.8	7.7	13.8	16.7	20.1	23.6	14.8
1939	24.5	22.4	19.5	13.1	11.3	8.6	8.1	12.3	12.8	16.6	18.6	20.6	15.7
1940	22.7	21.8	18.5	14.4	11.4	9.2	9.1	9.3	13.1	14.6	19.6	23.0	15.6
Mean	23.5	22.2	19.3	14.0	10.3	7.3	7.3	9.5	12.4	16.0	19.4	22.5	15.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	25.7	45.5	44.0	13.1	2.3	5.4	1.1	0.9	6.1	12.8	37.9	7.7	202.5
1932	27.2	14.0	52.5	15.8	24.6	3.2	1.7	32.0	2.4	18.1	0.0	14.5	206.0
1933	11.9	12.6	1.7	3.7	4.6	0.0	5.7	0.4	2.7	0.0	0.0	0.0	43.3
1934	5.3	9.0	2.8	0.3	20.8	0.0	0.7	3.4	39.0	7.1	44.3	5.1	137.8
1935	6.2	38.1	0.0	3.0	6.2	0.0	0.0	0.0	6.4	6.8	0.6	0.0	67.3
1936	1.9	19.6	22.6	20.2	1.3	1.1	0.8	15.0	0.0	14.4	20.9	7.4	125.2
1937	38.0	0.0	0.0	12.9	3.9	5.7	21.7	3.0	37.5	6.9	15.2	0.3	145.1
1938	19.9	10.4	21.1	20.2	6.6	0.4	10.5	4.7	0.0	3.4	3.1	0.8	101.1
1939	53.8	0.0	3.6	0.0	0.3	0.0	2.8	5.8	18.8	65.2	22.9	125.8	299.0
1940	32.0	24.7	2.0	11.1	3.7	8.2	0.0	21.4	16.2	24.8	2.4	36.7	183.2
Mean	22.2	17.4	15.0	10.0	7.4	2.4	4.5	8.7	12.9	16.0	14.7	19.8	151.0

## NEUQUEN, ARGENTINA

Lat. 39°0' S. Long. 68°2' W. H = 271 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	66.0	10.0	0.0	13.0	9.0	0.0	15.0	7.0	8.0	6.0	5.0	0.0	139.0
1932	0.0	11.0	7.0	4.0	25.0	17.0	14.0	89.0	1.0	33.0	0.0	1.0	202.0
1933	33.0	7.0	3.0	0.0	39.0	6.0	0.0	38.5	0.0	12.0	0.0	0.0	138.5
1934	5.0	0.0	36.0	18.0	22.0	5.0	3.0	5.0	35.0	47.0	37.0	4.0	217.0
1935	36.0	1.0	0.0	0.0	8.0	0.0	0.0	0.0	24.0	30.0	23.0	0.0	122.0
1936	3.0	0.0	17.0	37.0	22.0	0.0	0.0	5.0	0.0	35.0	24.0	11.0	154.0
1937	13.0	5.0	0.0	1.0	9.0	17.0	16.0	92.0	0.0	38.0	0.0	1.0	192.0
1938	0.0	0.0	4.0	3.0	1.0	2.0	30.0	4.0	9.0	0.0	3.0	0.0	56.0
1939	1.0	0.0	0.0	0.0	42.0	...	...	0.0	7.0	11.0	0.0	53.0	...
1940	0.0	6.0	0.0	1.0	38.0	20.0	8.0	3.0	12.0	34.0	22.0	3.0	147.0
Mean	15.7	4.0	6.7	7.7	21.5	7.4	9.6	24.4	9.6	24.6	11.4	7.3	*149.9

\* Sum of 12 monthly means.

## POSADAS, ARGENTINA

Lat. 27°18' S. Long. 55°56' W. H = 116.87 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	174.8	57.6	42.7	379.0	142.6	67.5	10.4	32.5	59.8	203.4	95.0	104.8	1370.1
1932	90.6	143.2	156.6	340.4	212.4	152.0	93.8	75.0	149.7	192.2	69.2	76.3	1751.4
1933	25.9	139.1	27.6	80.8	111.2	23.2	8.8	93.0	103.5	339.4	12.0	64.4	1028.9
1934	72.5	206.3	109.0	45.7	209.4	105.6	10.3	94.0	141.3	110.2	189.9	56.7	1350.9
1935	77.1	58.6	70.2	62.5	65.0	185.6	159.3	224.6	57.9	255.6	122.5	310.7	1649.6
1936	47.6	63.7	146.4	226.5	228.4	218.0	158.7	29.2	59.7	184.3	74.3	213.0	1649.8
1937	13.4	99.9	275.3	91.5	70.5	49.1	195.0	147.9	210.4	33.2	300.3	88.2	1574.7
1938	273.7	204.2	103.4	211.0	141.6	100.9	46.6	19.8	51.7	141.5	88.0	28.6	1411.0
1939	114.9	296.6	189.8	116.1	193.9	174.8	48.4	143.4	223.7	225.8	259.1	204.6	2191.1
1940	130.0	80.5	240.5	223.3	281.6	163.4	325.3	92.1	40.2	87.8	256.4	210.9	2162.0
Mean	102.0	135.0	136.2	177.7	165.7	124.0	105.7	95.2	109.8	177.3	149.7	135.8	1614.0

## SALTA, ARGENTINA

Lat. 24°47' S. Long. 65°25' W. H<sub>b</sub> = 1,182 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

600 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.4	61.5	62.7	62.2	63.9	64.3	62.4	63.0	63.7	61.2	59.9	60.1	62.1
1932	60.8	60.3	61.3	59.8	63.2	60.4	61.2	62.4	61.7	60.6	59.5	59.8	60.9
1933	59.5	60.0	60.9	62.8	62.3	63.0	63.7	62.1	61.8	60.1	60.7	59.0	61.3
1934	60.7	61.6	59.9	63.4	61.3	60.7	62.5	63.4	61.7	61.9	60.3	59.7	61.4
1935	60.4	60.7	60.8	...	...	...	61.6	62.3	60.8	60.3	60.0	58.2	...
1936	59.5	61.4	60.8	60.8	58.8	62.9	63.6	64.3	63.7	62.7	63.3	60.3	61.8
1937	61.8	60.7	60.8	62.8	62.7	61.8	...	60.4	62.4	62.2	59.2	60.1	†61.5
1938	59.3	61.2	60.5	61.8	61.0	62.1	61.9	62.4	62.1	61.2	60.2	60.1	61.2
1939	59.3	60.3	61.0	62.8	60.6	61.5	63.7	61.1	61.9	59.7	59.5	61.1	61.0
1940	60.6	61.1	61.4	61.2	61.1	61.5	61.5	63.5	61.7	62.5	58.9	57.8	61.1
Mean	60.7	61.4	61.5	62.5	62.1	61.9	63.0	63.0	62.6	61.2	60.2	59.6	‡61.6

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	22.0	21.8	19.9	16.6	10.4	8.8	11.0	11.9	14.2	20.4	18.6	22.3	16.5
1932	21.8	21.1	20.8	17.6	12.0	10.9	14.2	11.4	15.5	19.6	21.6	21.1	17.3
1933	21.2	20.0	19.4	16.4	13.8	10.9	7.9	13.7	16.2	19.4	20.7	21.0	16.7
1934	21.3	19.0	20.2	14.5	14.2	13.2	10.5	12.4	15.2	18.1	20.0	21.7	16.7
1935	21.7	20.9	20.9	...	...	...	9.8	12.0	14.4	17.5	21.6	23.3	...
1936	22.6	19.8	20.3	17.8	14.8	11.8	11.3	11.0	16.8	21.0	19.6	22.8	17.5
1937	20.1	21.8	19.6	15.9	12.9	12.3	...	13.9	15.2	17.5	22.8	22.2	...
1938	20.6	19.6	18.7	14.7	14.4	11.9	11.8	11.2	16.4	19.2	21.2	21.2	16.7
1939	22.9	21.2	18.9	15.4	15.0	13.0	11.1	15.7	17.0	19.4	19.7	20.2	17.5
1940	21.2	20.1	18.7	18.0	16.2	12.7	13.2	12.2	15.3	16.2	19.8	22.9	17.2
Mean	21.5	20.5	19.7	16.3	13.7	11.7	11.2	12.5	15.6	18.8	20.6	21.9	‡17.0

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	243.1	97.6	98.2	2.1	6.3	6.6	0.0	1.1	1.2	78.1	19.2	251.3	804.8
1932	113.6	114.8	99.6	28.5	1.1	0.6	2.1	0.0	8.3	23.7	71.4	48.5	512.2
1933	214.9	206.1	159.0	46.2	0.0	1.1	0.0	0.0	1.2	11.3	36.5	70.1	746.4
1934	189.2	84.2	83.1	8.5	2.5	4.0	3.0	0.0	15.9	1.0	39.9	125.7	557.0
1935	128.1	156.8	70.3	61.6	33.0	13.0	0.0	2.9	0.0	1.3	42.3	182.2	691.5
1936	215.0	170.2	23.1	3.5	3.9	0.0	3.7	0.3	0.0	2.2	32.7	150.0	604.6
1937	217.1	132.4	46.9	23.3	4.2	0.7	0.0	0.0	0.8	30.0	6.2	158.7	620.3
1938	189.7	271.6	27.5	4.1	1.4	1.5	0.0	0.0	0.0	34.1	42.7	145.4	718.0
1939	112.4	104.1	145.2	15.6	1.3	0.0	0.0	0.0	3.7	41.6	23.1	113.2	560.2
1940	118.0	66.2	55.9	19.3	5.5	0.0	4.6	14.0	20.5	20.7	96.9	76.9	498.5
Mean	174.1	140.4	80.9	21.3	5.9	2.8	1.3	1.8	5.2	24.4	41.1	132.2	631.4

\* See NOTES, p. 53.

† Normal value used for missing month.

‡ Mean of 12 monthly means.

## SAN JUAN, ARGENTINA

Lat. 31°32' S. Long. 68°34' W. H = 620.37 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	11.0	12.5	0.3	0.0	0.0	0.0	0.0	0.0	12.1	0.0	23.7	2.0	61.6
1932	7.8	3.7	0.0	20.6	0.0	0.0	0.0	2.0	2.5	15.0	0.0	2.5	54.1
1933	42.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	60.0
1934	2.0	3.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	19.0	5.5	40.5
1935	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.5	5.0	1.5	0.0	11.8
1936	0.0	16.1	12.8	2.0	0.0	0.0	0.0	0.0	0.0	17.6	3.6	3.8	55.9
1937	2.8	0.0	0.0	26.7	0.0	0.0	2.5	0.0	3.4	4.0	2.8	3.0	45.2
1938	25.8	14.1	20.9	9.4	0.0	0.0	0.5	0.8	9.0	0.0	0.0	0.0	80.5
1939	11.7	0.0	5.0	0.0	0.0	0.0	0.0	5.5	0.0	8.1	0.0	28.4	58.7
1940	14.1	13.6	1.5	6.7	0.0	4.2	2.0	1.1	6.2	4.9	2.9	22.8	80.0
Mean	11.7	7.9	4.0	6.5	1.4	0.4	0.5	0.9	3.8	5.5	5.4	6.8	54.8

## SANTA CRUZ, ARGENTINA

Lat. 50°1' S. Long. 68°32' W. H<sub>b</sub> = 10.81 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours, 60th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	50.8	54.6	55.2	57.4	56.2	53.4	54.8	59.5	52.2	54.6	52.7	†54.3
1932	49.9	52.5	53.2	50.2	56.8	54.2	55.7	59.7	52.0	53.3	49.7	49.7	53.1
1933	52.9	51.0	51.4	52.4	55.0	53.1	56.2	53.3	55.5	53.3	52.4	52.9	53.3
1934	50.1	56.4	51.6	56.8	50.7	53.8	48.8	52.5	58.8	54.8	57.9	52.9	53.8
1935	51.0	50.3	45.6	54.7	52.6	49.7	56.9	58.3	57.0	60.2	48.4	48.1	52.7
1936	49.7	52.0	50.8	53.9	55.8	55.0	54.7	60.2	53.8	57.1	55.4	47.4	53.8
1937	...	47.6	...	...	...	...	62.6	55.6	54.8	57.2	50.1	52.0	...
1938†	46.2	46.7	49.6	54.9	50.5	51.7	50.4	50.5	52.6	52.4	47.8	48.5	50.2
1939	48.7	50.2	52.2	55.1	54.5	54.4	54.7	55.3	56.1	55.5	53.9	57.0	54.0
1940	49.3	53.2	51.4	48.8	49.7	54.1	50.0	55.7	55.5	57.8	51.5	48.8	52.2
Mean	49.7	51.1	51.2	53.6	53.7	53.6	53.3	55.6	55.6	55.4	52.2	51.0	§53.0

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	14.9	12.7	8.9	4.9	2.7	1.4	5.3	6.5	9.6	10.9	14.2	†8.8
1932	14.9	14.5	12.3	7.5	6.1	-0.7	1.2	3.1	7.5	12.3	13.4	14.2	8.9
1933	15.2	14.5	13.1	10.5	5.4	2.6	2.0	3.9	7.6	9.1	10.4	11.5	8.8
1934	16.7	11.2	11.0	8.7	4.5	-0.7	2.8	4.8	6.9	11.4	11.4	13.5	8.5
1935	13.6	13.3	13.9	8.4	5.6	2.7	-0.6	2.4	5.0	8.2	11.8	12.4	8.1
1936	13.5	14.8	11.1	...	1.3	-0.8	1.6	2.5	4.7	...	14.4	14.7	†8.0
1937	...	...	...	...	...	...	...	...	...	8.2	10.0	13.6	...
1938	11.2	12.7	10.0	8.7	5.5	2.4	1.6	2.1	4.0	9.3	...	13.1	†7.7
1939	12.8	12.0	9.8	9.6	1.4	-0.4	0.6	0.1	6.2	8.5	9.7	13.3	7.0
1940	14.3	14.2	11.9	8.0	4.3	1.2	2.7	4.8	6.5	9.7	12.7	11.9	8.5
Mean	14.0	13.6	11.8	8.8	4.3	1.0	1.5	3.2	6.1	9.6	11.6	13.2	§8.2

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	19.8	13.1	18.0	52.7	2.0	37.3	8.5	12.9	0.5	15.0	15.6	21.6	217.0
1932	0.9	18.3	2.0	49.1	0.0	6.5	6.3	30.0	13.5	0.0	10.6	8.8	146.0
1933	2.0	9.3	11.8	27.4	31.6	71.8	8.4	9.4	3.9	1.2	27.9	55.4	260.1
1934	0.0	67.6	19.0	16.4	92.6	42.6	18.0	12.0	12.4	1.8	9.7	4.9	297.0
1935	55.8	5.4	12.4	58.5	24.2	7.3	52.1	17.8	14.6	23.6	61.8	84.0	417.5
1936	20.8	14.8	13.9	26.4	40.2	2.4	13.0	22.2	10.3	0.0	0.8	1.3	166.1
1937	14.0	8.0	23.0	10.0	15.0	5.9	37.9	27.8	4.0	3.2	23.5	33.2	205.5
1938	35.3	13.9	7.9	10.1	33.8	42.9	12.6	7.9	15.4	6.5	21.0	26.1	233.4
1939	16.0	45.4	47.9	10.1	12.6	39.0	16.3	34.9	0.8	4.4	13.8	12.0	253.2
1940	14.0	16.0	30.0	23.4	18.2	7.6	16.6	14.0	4.0	7.0	9.0	1.0	160.8
Mean	17.9	21.2	18.6	28.4	27.0	26.3	19.0	18.9	7.9	6.3	19.4	24.8	235.7

\* See NOTES, p. 53.

† Normal values used for missing months.

‡ The pressure readings for 1938 appear to be too low. Edron.

§ Mean of 12 monthly means.

## SARMIENTO, ARGENTINA

Lat. 45°35' S. Long. 69°4' W. H<sub>b</sub> = 270.21 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	33.5	32.0	35.5	34.5	37.7	35.2	33.9	35.6	39.6	33.2	34.0	31.3	34.7
1932	31.4	33.2	33.6	28.6	36.0	31.9	33.5	37.7	33.1	33.5	31.4	31.2	32.9
1933	31.5	31.2	32.5	33.2	34.7	32.5	35.6	32.8	35.8	33.3	32.2	30.7	33.0
1934	31.0	33.8	31.4	36.6	31.5	32.9	31.2	34.9	38.2	35.9	35.9	32.9	33.8
1935	31.5	31.4	28.9	34.5	31.4	29.5	34.6	36.2	36.6	38.2	31.0	29.8	32.8
1936	31.1	33.4	31.2	32.0	31.2	32.2	31.6	36.7	33.2	35.5	36.0	28.1	32.7
1937	33.7	28.0	28.9	...	...	...	...	...	37.1	37.6	31.9	33.6	...
1938	31.3	33.5	32.3	35.6	31.2	32.5	32.0	35.4	34.7	32.6	32.6	32.1	33.0
1939	31.2	31.8	33.4	35.6	32.7	33.0	35.4	33.7	37.0	33.0	33.6	35.9	33.9
1940	31.1	32.5	32.3	30.4	30.8	32.0	30.5	36.1	35.8	37.2	33.0	30.6	32.7
Mean	31.7	32.1	32.0	33.4	33.0	32.4	33.1	35.5	36.1	35.0	33.2	31.6	†33.3

TEMPERATURE IN DEGREES C. h<sub>r</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.1	17.9	14.5	10.5	5.4	2.6	3.0	6.2	7.7	11.4	14.1	16.2	10.6
1932	17.5	17.3	14.9	11.6	7.8	1.3	3.9	4.3	8.6	11.9	13.9	16.0	10.8
1933	16.4	15.2	13.2	11.6	7.7	4.1	3.3	6.0	8.3	10.6	13.5	15.0	10.4
1934	17.3	14.7	13.7	10.5	6.8	...	6.0	6.7	8.1	12.4	14.5	16.6	†10.9
1935	17.8	15.9	...	11.2	8.5	5.7	3.4	6.0	6.4	10.0	13.3	14.4	†10.5
1936	16.4	18.2	14.9	10.5	5.0	3.2	5.7	4.9	8.0	10.4	16.4	13.8	10.6
1937	19.2	15.8	12.7	11.6	5.3	5.2	3.8	3.7	9.4	11.8	12.8	17.5	10.7
1938	14.6	17.2	13.5	10.8	8.2	5.5	5.1	5.3	7.9	11.3	13.4	16.3	10.8
1939	16.5	15.9	13.4	9.6	3.9	4.8	3.6	4.2	8.0	10.6	13.3	18.2	10.2
1940	17.0	17.9	14.0	9.9	6.5	4.9	5.4	5.3	9.0	11.9	15.0	14.8	10.9
Mean	17.1	16.6	13.9	10.8	6.5	4.1	4.3	5.3	8.1	11.2	14.0	15.9	†10.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	14.8	3.0	4.0	1.6	0.0	21.9	4.0	3.4	6.0	8.0	3.5	24.2	94.4
1932	12.3	12.0	1.1	30.5	5.2	14.1	31.6	10.0	6.7	6.4	15.1	0.0	145.0
1933	18.4	18.6	0.8	25.4	0.0	9.4	0.8	33.3	1.2	0.0	3.5	21.6	133.0
1934	0.8	11.4	5.2	1.1	13.1	26.5	5.9	7.0	1.4	0.0	12.8	20.3	105.5
1935	3.3	13.9	0.0	5.0	32.0	4.5	10.6	9.5	5.1	29.9	14.8	9.9	138.5
1936	1.6	0.0	0.4	28.8	92.0	5.2	6.8	18.8	5.7	1.0	0.6	9.0	169.9
1937	2.6	0.0	12.9	2.3	4.0	5.8	15.1	34.9	3.8	5.4	19.3	2.1	110.7
1938	15.4	7.6	0.3	19.6	25.2	10.6	9.7	3.9	16.9	0.0	1.1	0.0	110.3
1939	2.4	16.4	13.9	19.5	39.0	45.8	15.6	88.4	3.6	30.9	31.1	4.6	311.2
1940	1.0	10.3	8.1	15.7	10.9	24.2	30.6	1.1	2.6	0.9	6.6	18.1	130.1
Mean	7.3	9.3	4.7	15.0	22.1	17.0	13.1	21.0	5.3	8.2	10.8	11.0	144.9

\* See NOTES, p. 53.

† Mean of 12 monthly means.

‡ Normal value used for missing month.

## TRELEW (PUERTO MADRYN),\* ARGENTINA

Lat. 43°15' S. Long. 65°22' W. H<sub>b</sub> = 13.24 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 60th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	55.1	55.0	58.9	58.3	62.1	59.9	58.9	60.5	64.2	57.4	56.5	56.1	58.7
1932	54.6	56.3	57.3	53.6	60.2	56.4	57.9	62.8	58.6	58.6	55.2	55.1	57.2
1933	55.1	54.7	57.0	58.2	59.8	57.0	60.8	58.1	61.0	57.2	55.8	55.9	57.5
1934	54.7	57.0	55.5	60.8	56.1	56.3	56.8	60.2	62.9	60.0	59.2	56.2	58.0
1935	55.0	55.2	53.9	57.8	56.2	54.5	58.0	59.7	59.4	61.8	54.4	53.0	56.6
1936	54.3	58.0	56.0	57.4	55.1	57.6	57.2	60.8	57.9	59.4	58.7	52.8	57.1
1937	57.0	52.7	54.3	58.2	58.5	56.2	57.5	59.7	61.4	60.7	56.2	58.2	57.6
1938	55.9	58.6	58.1	61.0	57.8	59.5	59.1	62.2	61.3	58.5	58.9	57.0	59.0
1939	56.2	56.9	59.0	60.8	58.5	59.7	61.6	59.6	63.6	59.5	58.6	61.5	59.6
1940	57.1	58.2	58.6	55.0	55.7	57.7	56.6	61.1	60.0	61.8	56.3	53.6	57.6
Mean	55.5	56.3	56.9	58.1	58.0	57.5	58.4	60.5	61.0	59.5	57.0	55.9	57.9

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.5	21.4	17.8	13.6	8.2	7.2	6.5	8.2	10.0	14.8	14.6	18.3	13.4
1932	21.1	20.6	18.2	15.6	10.0	7.0	8.6	7.2	11.1	13.5	17.4	19.8	14.2
1933	18.9	19.6	16.6	15.1	11.2	7.2	6.6	10.0	11.3	13.3	16.2	17.3	13.6
1934	22.3	18.0	17.0	13.1	9.7	5.4	7.1	9.4	9.8	13.3	16.0	18.5	13.3
1935	21.0	19.6	20.0	13.7	11.8	7.7	5.8	8.7	9.0	11.4	17.9	19.0	13.8
1936	20.1	20.1	17.6	14.0	8.1	6.5	7.3	7.2	11.1	13.0	18.3	19.3	13.6
1937	20.4	20.2	16.9	14.8	8.6	7.5	5.7	6.9	11.1	13.2	16.6	19.2	13.4
1938	18.4	20.3	16.6	12.7	11.0	7.1	7.2	7.8	10.4	15.0	16.4	19.6	13.5
1939	20.5	19.8	17.1	12.1	8.0	7.3	7.0	8.8	10.2	14.2	15.4	17.5	13.2
1940	20.6	20.7	16.6	13.8	9.0	7.8	7.8	6.9	11.6	12.8	17.3	18.2	13.6
Mean	20.4	20.0	17.4	13.8	9.6	7.1	7.0	8.2	10.6	13.4	16.6	18.7	13.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.0	19.9	15.8	2.1	13.2	7.6	13.4	27.1	1.5	6.3	13.1	13.7	133.7
1932	0.0	3.0	5.8	3.1	23.0	4.4	32.7	22.9	0.0	53.1	6.6	3.3	157.9
1933	13.8	14.1	4.0	0.0	45.5	7.6	3.3	3.0	0.0	12.5	9.6	10.2	123.6
1934	3.2	12.9	10.7	9.0	15.0	21.3	0.0	16.2	13.8	54.9	40.0	10.0	207.0
1935	6.7	21.9	11.7	1.9	18.8	1.1	14.6	6.6	18.6	16.3	0.0	8.6	127.3
1936	0.0	3.9	20.4	22.2	18.0	5.5	1.0	0.7	1.2	9.3	0.0	6.4	88.6
1937	4.1	11.0	9.2	3.2	15.2	13.1	24.7	23.1	2.2	24.4	9.8	0.3	140.3
1938	13.8	1.6	10.0	18.4	6.8	6.4	22.3	7.4	10.4	3.5	0.4	0.0	101.0
1939	0.6	11.9	0.0	30.6	8.5	10.5	6.0	46.6	14.6	11.7	7.7	32.2	180.9
1940	0.0	47.8	7.3	3.1	52.6	18.3	7.9	13.1	3.1	3.7	1.0	8.1	166.0
Mean	4.2	15.8	9.5	9.4	21.7	9.6	12.6	16.7	6.5	19.6	8.8	9.3	143.6

\* See NOTES, p. 53.

## TUCUMAN, ARGENTINA

Lat. 26°51' S. Long. 65°11' W. H = 427.02 m.

TOTAL PRECIPITATION IN MILLIMETERS. hr = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	243.0	179.0	146.5	22.0	18.0	19.6	0.0	3.6	21.9	129.0	65.6	226.7	1074.9
1932	136.5	132.2	97.0	119.3	64.4	6.8	6.4	17.1	1.0	56.9	279.6	153.3	1070.5
1933	202.8	88.5	413.7	109.1	14.8	0.3	3.3	0.0	7.1	36.6	131.0	247.4	1254.6
1934	87.7	94.4	107.5	53.5	26.3	19.9	2.8	5.1	34.1	3.4	77.1	251.2	763.0
1935	71.7	151.4	94.3	44.8	8.5	44.5	0.0	6.6	2.2	10.6	78.4	218.8	731.8
1936	138.9	129.6	62.1	37.4	30.9	34.1	0.7	0.0	0.4	9.2	95.3	146.4	685.0
1937	108.2	54.2	27.9	55.8	34.3	8.0	1.6	6.1	5.6	40.1	14.0	128.5	484.3
1938	197.1	184.1	211.9	34.6	25.4	35.1	13.2	30.9	0.0	28.0	70.7	39.7	870.7
1939	345.8	86.1	309.8	49.2	7.7	17.8	0.0	0.0	52.6	86.3	58.3	222.2	1235.8
1940	184.4	105.5	100.4	76.8	24.2	22.7	6.7	17.7	8.1	87.8	277.1	136.7	1048.1
Mean	171.6	120.5	157.1	60.2	25.4	20.9	3.5	8.7	13.3	48.8	114.7	177.1	921.9



## LA PAZ,\* BOLIVIA

Lat. 16°30' S. Long. 68°8' W. H<sub>b</sub> = 3,658 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h+14^h+21^h)$ , 60th meridian W.  
490 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	3.1	3.2	3.9	3.9	3.7	4.5	3.7	4.6	3.5	3.8	2.5	3.2	3.6
1932	3.2	3.1	3.5	3.6	4.5	3.8	4.3	3.8	4.2	3.4	2.6	2.8	3.6
1933	2.9	3.9	3.7	4.1	4.3	4.1	4.1	4.6	3.8	3.2	2.5	2.5	3.6
1934	2.7	3.2	3.1	4.0	4.2	3.9	4.1	4.5	3.7	3.8	2.9	2.9	3.6
1935	3.1	3.5	3.7	3.9	4.4	3.9	3.7	3.7	3.5	3.1	2.7	2.8	3.5
1936	2.7	3.5	3.8	3.1	3.9	3.9	3.9	3.5	3.8	4.0	3.1	2.5	3.5
1937	3.1	3.3	3.1	3.9	3.9	4.3	4.2	3.9	4.0	3.1	3.1	2.8	3.6
1938	2.9	4.0	3.4	3.8	3.8	3.9	4.2	3.7	4.2	3.4	3.1	2.4	3.6
1939	3.2	3.3	3.3	4.1	4.2	4.2	4.1	4.2	4.0	3.1	3.0	3.8	3.7
1940	3.6	3.9	3.5	4.7	4.5	4.6	4.4	4.2	3.8	3.8	2.8	3.6	4.0
Mean	2.9	3.6	3.5	3.9	4.1	4.1	4.1	4.5	3.8	3.5	2.8	2.9	3.6

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(7^h+14^h+21^h)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	11.0	10.8	10.9	10.7	9.2	8.0	8.3	8.6	9.1	11.1	12.9	10.8	10.1
1932	10.2	10.6	9.5	9.8	7.1	6.5	7.2	8.4	9.4	10.9	11.5	11.0	9.3
1933	10.6	10.0	9.9	9.9	8.4	7.5	6.7	8.0	9.6	9.5	11.2	11.5	9.4
1934	9.5	8.7	9.9	9.1	8.8	8.1	6.8	7.2	8.1	10.9	11.2	11.1	9.1
1935	10.0	10.1	9.9	9.9	8.2	7.6	7.3	7.4	9.2	11.4	11.7	11.5	9.5
1936	10.5	10.7	11.0	10.9	9.6	7.3	6.7	7.9	9.4	10.9	11.0	11.1	9.7
1937	10.2	10.0	11.1	9.7	9.1	7.6	7.6	9.1	10.1	10.7	12.6	11.0	10.7
1938	10.9	10.3	10.3	9.6	8.8	6.9	7.4	8.3	9.4	10.7	11.2	11.2	9.6
1939	9.8	10.6	10.1	9.9	8.3	7.9	6.3	7.4	9.6	10.9	11.7	10.9	9.4
1940	10.3	12.3	11.3	10.4	9.3	7.8	7.4	7.9	9.6	10.8	12.5	11.0	10.0
Mean	10.3	10.4	10.4	9.8	8.7	7.5	7.2	8.0	9.3	10.8	11.7	11.1	9.7

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	243.7	76.8	100.2	43.3	0.0	3.5	0.0	1.7	42.7	20.0	21.4	83.3	636.4
1932	156.3	112.0	127.3	45.0	59.2	0.0	12.5	9.6	17.5	64.6	70.4	134.8	809.4
1933	148.8	144.5	68.8	15.5	13.3	0.0	5.4	3.3	13.4	32.5	7.5	83.5	536.5
1934	170.4	176.1	47.8	29.7	5.2	1.4	7.5	16.0	42.5	13.0	72.3	61.7	643.6
1935	141.0	48.5	61.1	2.6	0.6	5.4	6.8	0.4	88.7	18.5	43.7	72.7	490.0
1936	65.3	74.5	12.4	4.9	17.7	0.0	8.6	9.9	21.5	49.4	102.5	99.9	466.6
1937	161.5	75.5	32.4	17.1	10.0	0.3	4.8	4.9	11.9	29.2	9.6	102.6	459.8
1938	118.1	129.2	66.0	25.7	1.2	20.3	2.0	1.3	27.3	14.7	33.8	46.9	486.5
1939	106.7	58.8	70.1	34.6	14.5	0.0	11.8	64.2	10.7	22.6	50.4	112.1	556.5
1940	72.8	16.3	20.8	5.0	5.5	2.4	0.6	3.7	5.6	23.0	7.7	170.5	333.9
Mean	134.5	91.2	60.7	22.3	12.7	3.3	6.0	11.5	23.2	23.7	41.9	96.8	541.9

\* See Smithsonian Misc. Coll., vol. 90, pp. 539-540 for previous data.

## ALTO DA SERRA,\* BRAZIL

Lat. 23°46' S. Long. 46°57' W. H = 801.37 m.  
TOTAL PRECIPITATION IN MILLIMETERS †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	389	302	795	112	302	198	193	137	455	457	378	325	4043
1932	386	254	422	218	335	145	30	353	152	361	213	488	3357
1933	297	221	305	241	160	353	203	69	378	338	259	366	3190
1934	406	572	409	373	170	221	318	249	323	175	312	917	4445
1935	635	439	221	282	193	213	157	274	541	439	249	244	3887
1938	490	226	455	140	46	84	0	155	340	287	203	318	2744
1937	627	251	226	472	457	102	165	269	81	366	439	330	3786
1938	401	610	447	376	221	284	206	373	274	417	396	470	4475
1939	383	185	206	340	135	102	170	71	188	84	437	315	2617
1940	399	442	376	170	246	66	28	175	190	406	414	414	3328
Mean	441	350	386	272	226	177	147	212	292	333	330	419	3587

\* See ADDITIONAL DATA, p. 615.

† Compared with original records and corrected by J. de Saunpaio Ferraz, Rio de Janeiro.

## BRUSQUE, BRAZIL

Lat. 27°6' S. Long. 48°56' W. H = 2360 m.  
TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	156.3	97.1	135.1	29.5	248.6	142.0	126.0	138.3	367.1	146.6	154.9	186.9	1928.4
1932	316.5	390.5	220.3	270.1	250.2	80.5	47.0	219.3	275.3	206.8	164.0	156.5	2597.0
1933	204.7	293.1	94.9	297.0	207.1	74.9	94.4	122.7	236.1	261.2	91.1	72.9	2050.1
1934	340.5	274.0	129.4	240.9	71.8	79.6	178.7	104.7	158.1	168.5	67.3	193.7	2007.2
1935	155.0	106.2	181.1	180.4	8.2	118.9	94.6	213.2	214.0	363.7	103.5	214.9	1953.7
1936	145.6	130.9	122.1	147.6	96.7	204.6	109.9	268.7	190.6	187.3	149.7	95.4	1849.1
1937	203.6	172.8	355.1	256.5	176.4	76.7	53.0	185.7	87.0	232.8	246.2	149.9	2195.7
1938	322.2	109.2	143.4	197.9	128.0	312.1	67.2	86.4	126.5	315.4	92.7	95.7	1996.7
1939	150.8	261.2	227.0	76.6	206.0	136.6	107.3	44.4	237.5	194.7	475.3	164.9	2281.8
1940	422.2	304.0	178.6	157.6	115.1	78.3	176.0	231.9	42.0	286.3	203.4	231.6	2427.0
Mean	241.7	213.9	178.7	185.4	150.8	130.4	105.4	161.5	193.4	236.3	174.8	156.2	2128.7

## CAETITÉ, BRAZIL

Lat. 14°3' S. Long. 42°37' W. H<sub>b</sub> = 878 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of (see NOTES on Brazil)  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.0	14.4	15.4	15.6	17.0	18.6	19.1	19.9	17.1	15.6	14.6	15.0	16.4
1932	15.6	15.2	15.2	15.1	17.0	17.1	19.1	17.8	17.2	15.6	15.2	15.0	16.3
1933	14.4	15.5	14.7	16.4	17.8	18.2	18.8	18.8	17.1	15.5	14.6	14.3	16.3
1934	15.4	15.0	14.8	15.4	16.6	18.0	19.0	18.6	16.4	16.7	15.5	15.2	16.4
1935	15.4	16.2	15.2	15.9	18.0	18.3	18.6	19.0	17.4	15.5	15.5	15.2	16.7
1936	16.0	15.1	16.4	15.9	17.6	19.9	20.4	19.0	18.2	16.8	14.8	15.0	17.1
1937	14.7	15.9	15.9	16.6	17.5	19.4	19.8	18.0	17.5	15.1	14.7	14.4	16.6
1938	14.2	14.1	14.6	14.6	15.7	17.0	15.6	15.5	14.9	14.2	14.1	13.9	14.9
1939	14.7	14.3	14.1	14.9	14.2	15.8	15.7	17.5	16.7	15.9	14.2	14.8	15.2
1940	15.2	14.5	14.9	16.4	17.0	19.0	20.5	18.3	17.8	16.2	14.9	15.6	16.7
Mean	15.0	15.0	15.1	15.7	16.8	18.1	18.7	18.2	17.0	15.7	14.8	14.8	16.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.70 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.9	22.8	23.3	22.3	21.1	19.9	18.7	18.9	21.5	22.6	22.4	23.6	21.8
1932	21.7	23.3	22.9	23.7	22.0	21.5	19.5	20.2	21.8	23.4	21.7	23.5	22.1
1933	22.1	23.2	21.8	20.4	18.9	18.9	18.8	20.0	22.6	23.6	21.0	22.0	21.1
1934	21.8	23.0	23.2	23.5	21.1	19.7	18.5	20.2	22.3	22.4	22.4	23.5	21.8
1935	22.2	22.1	22.3	22.0	19.2	19.4	19.7	20.0	22.2	25.0	23.2	22.4	21.6
1936	21.8	22.0	21.8	21.7	19.6	18.3	18.6	20.4	21.8	23.0	22.9	21.8	21.1
1937	22.3	21.9	22.7	21.6	20.3	19.3	18.7	20.7	21.9	23.3	22.9	21.7	21.4
1938	22.3	22.7	22.3	22.3	21.7	18.9	18.5	19.8	21.0	23.1	21.9	21.9	21.4
1939	22.3	21.4	23.7	23.2	22.1	21.0	18.9	19.2	21.6	21.5	24.0	23.2	21.8
1940	22.0	22.7	21.4	21.6	20.7	18.8	18.5	20.1	20.4	22.1	21.1	22.0	20.9
Mean	22.2	22.5	22.5	22.2	20.7	19.6	18.8	20.0	21.7	23.0	22.4	22.6	21.5

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	78.2	125.1	45.7	55.0	25.7	0.0	1.7	41.4	3.7	113.5	43.9	115.0	648.9
1932	135.0	0.0	56.5	1.7	20.8	21.5	15.5	0.4	12.4	57.3	167.5	17.1	505.7
1933	188.5	20.7	301.0	170.4	2.8	4.0	26.2	2.3	8.0	88.2	321.0	228.1	1361.2
1934	27.2	12.7	18.7	21.1	36.1	3.9	11.7	0.8	3.4	5.2	124.1	97.2	362.1
1935	177.0	99.6	110.9	34.6	28.9	6.2	11.7	15.4	6.2	3.4	223.1	191.6	908.6
1936	122.7	308.3	53.9	74.8	46.1	30.2	0.0	13.9	0.0	39.4	226.0	155.1	1070.4
1937	112.1	147.8	20.8	58.6	17.4	5.6	6.8	0.0	2.0	77.4	105.9	112.4	666.8
1938	3.5	79.1	75.6	55.6	6.4	0.0	2.5	0.0	0.0	16.5	125.4	142.5	507.1
1939	75.8	26.0	0.0	0.0	1.1	1.2	10.0	2.1	40.8	2.2	99.7	162.1	421.0
1940	106.1	197.2	101.2	2.9	4.4	17.0	9.2	3.6	41.8	27.4	195.7	54.6	761.1
Mean	102.6	101.7	78.4	47.5	19.0	9.0	9.5	8.0	11.8	43.0	163.2	127.6	721.3

## CORUMBÁ, BRAZIL

Lat. 19°0' S. Long. 57°39' W. H<sub>b</sub> = 145 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of (see NOTES on Brazil)  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	95.1	93.9	96.7	97.9	101.5	103.2	101.0	100.7	99.5	96.4	94.4	94.7	97.9
1932	94.8	95.1	95.9	96.0	100.7	99.1	100.4	99.9	95.8	96.3	93.9	93.8	96.8
1933	93.1	95.4	96.2	98.8	100.0	102.2	102.7	99.9	97.9	95.8	95.0	93.1	97.5
1934	94.8	96.4	96.2	99.1	100.0	99.0	101.9	100.3	98.3	98.4	95.0	94.6	97.8
1935	94.6	95.1	95.2	98.3	100.0	99.2	100.2	99.6	96.6	95.9	94.8	93.2	96.9
1936	95.1	93.8	95.9	96.3	97.0	100.2	101.1	100.3	97.0	95.2	94.8	93.1	96.7
1937	93.8	94.4	94.7	98.2	99.5	99.2	99.8	96.6	97.0	96.7	93.1	92.6	96.3
1938	93.5	94.7	94.8	96.6	97.2	99.3	98.2	97.4	96.5	95.4	92.6	91.7	95.7
1939	92.3	93.8	94.1	96.8	95.8	97.7	100.6	97.5	96.0	93.4	92.7	93.8	95.4
1940	93.0	92.8	93.8	96.1	96.4	98.7	98.1	98.7	96.7	95.4	93.2	93.5	95.5
Mean	94.0	94.5	95.4	97.4	98.8	99.8	100.4	99.1	97.1	95.9	94.0	93.4	96.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.70 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.2	26.8	25.9	24.6	19.1	18.4	20.3	23.1	22.6	26.0	25.8	26.9	23.9
1932	26.3	26.4	25.6	25.3	21.3	21.7	22.6	22.0	25.8	25.8	26.5	25.8	24.6
1933	26.1	26.0	26.5	25.0	23.5	19.6	18.9	23.6	25.0	27.3	26.2	28.3	24.7
1934	26.4	26.3	25.9	23.9	23.2	23.8	21.7	24.3	24.4	25.8	27.2	26.7	25.0
1935	26.8	27.3	27.1	23.5	23.0	23.4	21.4	22.6	24.2	26.0	26.4	28.4	25.0
1936	27.6	27.2	28.0	26.2	25.3	23.5	22.2	22.0	27.2	29.6	27.8	27.6	26.2
1937	27.4	27.6	26.5	24.8	23.2	24.1	23.1	26.9	26.3	24.3	28.1	27.6	25.8
1938	26.4	27.5	26.4	24.3	24.5	22.8	23.1	23.2	24.9	24.8	27.5	26.3	25.1
1939	27.6	26.2	26.9	24.7	25.6	23.3	20.4	24.6	25.7	26.6	26.4	26.2	25.4
1940	26.5	26.6	25.8	24.9	24.3	22.8	23.9	22.4	23.9	25.4	25.6	27.7	25.0
Mean	26.8	26.8	26.5	24.7	23.3	22.3	21.8	23.5	25.0	26.2	26.8	27.2	25.1

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	180.5	159.0	110.7	196.1	189.4	22.4	0.0	49.0	30.2	130.4	82.2	290.0	1439.9
1932	156.6	260.5	198.7	48.7	81.3	27.3	17.4	1.8	29.2	131.1	200.4	175.3	1328.3
1933	132.6	183.6	31.7	17.9	5.5	2.8	4.1	9.2	54.5	25.5	109.8	332.3	909.5
1934	45.6	94.0	104.0	24.0	26.0	27.0	0.0	3.5	102.0	55.0	48.5	95.0	624.6
1935	325.8	50.7	62.0	112.7	0.0	69.5	150.0	111.5	73.1	86.0	137.5	166.8	1345.6
1936	134.1	38.6	54.7	103.7	85.3	40.3	32.4	6.3	28.8	80.0	64.0	122.8	791.0
1937	157.0	95.2	85.9	39.8	1.7	36.9	0.0	3.4	51.4	127.7	102.9	103.8	805.7
1938	214.7	78.9	69.9	22.8	105.2	12.1	12.2	0.0	36.7	98.8	173.4	176.8	1001.5
1939	98.4	161.2	110.3	40.3	59.8	25.3	11.2	0.0	40.9	177.4	62.1	186.7	973.6
1940	143.3	293.4	133.3	101.6	71.2	2.5	35.7	49.1	61.1	60.0	95.0	154.0	1200.2
Mean	158.9	141.5	96.1	70.8	62.5	26.6	26.3	23.4	50.8	97.2	107.6	180.4	1042.0

## CUIABÁ, BRAZIL

Lat. 15°35' S. Long. 56°6' W.  $H_b = 165$  m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of (see NOTES on Brazil)  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	90.6	89.0	91.4	92.2	94.7	96.7	95.2	95.0	93.0	91.4	89.4	90.7	92.4
1932	90.3	90.7	91.0	90.8	94.7	93.6	95.0	93.8	91.8	91.2	89.6	89.5	91.8
1933	88.6	90.7	90.7	92.7	94.2	96.2	96.6	94.3	92.3	90.8	89.2	88.6	92.1
1934	90.2	91.5	91.2	93.1	93.9	93.9	95.8	94.3	92.6	92.8	89.9	89.8	92.4
1935	89.9	90.6	90.4	92.4	94.4	94.3	94.7	93.9	91.4	91.0	89.9	89.6	91.9
1936	90.8	89.2	91.2	91.1	92.0	94.7	95.5	94.3	91.8	90.4	89.5	89.0	91.6
1937	89.1	90.2	89.9	92.3	94.0	94.8	95.4	92.7	92.2	91.8	89.5	88.4	91.7
1938	89.9	90.5	90.2	91.7	92.5	94.4	94.3	93.2	92.4	91.8	89.2	88.2	91.5
1939	89.8	90.9	90.7	92.9	92.3	94.1	96.0	93.8	92.5	90.2	89.7	90.9	92.0
1940	90.3	90.1	89.6	92.6	92.7	95.1	94.9	94.3	92.4	91.5	88.8	90.3	91.9
Mean	90.0	90.3	90.6	92.2	93.5	94.8	95.3	94.0	92.2	91.3	89.5	89.5	91.9

TEMPERATURE IN DEGREES C.  $h_t = 1.70$  m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.0	26.4	25.6	25.6	22.2	20.9	21.4	24.2	25.8	26.0	25.9	25.6	24.7
1932	25.6	25.8	25.2	26.2	23.2	23.4	23.5	23.5	26.4	26.0	26.5	25.9	25.1
1933	25.7	25.8	26.2	24.7	24.5	20.6	20.5	24.2	26.6	27.1	26.7	26.1	24.9
1934	25.8	25.2	25.2	24.8	23.7	23.7	22.6	24.8	25.0	25.4	26.4	26.0	24.9
1935	25.8	25.4	25.8	24.0	23.3	23.3	22.9	24.9	26.6	26.4	26.2	26.8	25.1
1936	25.8	25.6	26.3	25.8	25.1	24.0	22.7	24.2	27.9	28.6	26.4	26.2	25.7
1937	26.1	26.8	25.8	24.5	23.1	23.5	22.4	25.3	26.4	26.0	26.8	26.4	25.3
1938	26.0	26.7	25.4	24.4	24.6	23.4	23.6	24.0	25.9	24.9	26.6	25.5	25.1
1939	26.2	25.5	25.9	25.1	25.3	22.7	20.8	23.3	25.4	27.4	26.4	26.0	25.0
1940	26.0	26.0	26.0	25.4	25.1	23.0	24.5	24.4	26.0	27.0	25.6	26.3	25.4
Mean	26.0	25.9	25.7	25.0	24.0	22.8	22.5	24.3	26.2	26.5	26.4	26.1	25.1

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	185.2	215.8	227.3	111.8	51.7	15.7	0.3	16.6	7.5	220.8	156.1	185.6	1394.4
1932	235.9	135.3	329.1	23.4	22.3	34.2	4.9	58.8	5.6	116.4	110.2	315.1	1391.2
1933	256.3	231.3	144.1	125.0	2.0	0.5	0.0	11.4	8.8	84.8	81.6	285.3	1231.1
1934	162.8	222.9	216.8	55.9	17.2	10.5	0.0	41.4	123.9	42.0	171.6	194.7	1259.7
1935	297.2	199.3	401.5	163.1	102.6	1.5	0.1	4.8	29.6	147.0	144.6	200.2	1691.5
1936	193.4	159.3	115.5	62.2	10.0	0.2	0.0	0.4	47.5	99.2	171.1	131.8	990.6
1937	163.2	215.9	145.8	185.0	70.6	57.1	0.0	9.0	0.8	131.9	130.6	136.5	1246.4
1938	159.7	119.3	286.6	66.0	6.3	T	0.0	0.0	119.9	161.8	189.7	270.1	1379.4
1939	250.4	252.3	159.7	131.8	122.6	64.3	24.6	0.0	43.1	107.8	156.5	303.0	1616.1
1940	235.2	213.2	287.0	100.8	84.7	0.0	0.1	0.7	13.6	205.8	92.2	174.8	1408.1
Mean	213.9	196.5	231.3	102.5	49.0	20.4	3.0	14.3	40.0	131.8	140.4	219.7	1360.8

### CURITIBA, BRAZIL

Lat. 25°25' S. Long. 49°17' W. H<sub>b</sub> = 907.86 m.\*

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

Means of (see NOTES on Brazil)  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.0	12.7	14.4	14.6	16.0	16.6	17.5	19.1	16.3	14.4	12.3	11.6	14.8
1932	12.6	11.9	13.8	13.0	16.6	15.2	18.0	16.2	14.7	13.8	12.0	...	†14.1
1933	11.4	12.4	13.8	17.1	17.0	17.1	17.5	17.5	15.9	14.3	12.2	11.2	14.8
1934	12.8	13.2	14.3	14.8	15.6	16.6	19.0	17.5	15.1	15.8	12.0	11.9	14.9
1935	12.2	12.6	12.6	14.6	17.0	16.3	16.0	17.0	14.3	13.1	12.7	10.6	14.1
1936	13.5	11.2	14.8	13.0	15.4	18.0	17.6	15.4	15.6	14.6	12.0	10.8	14.3
1937	12.0	12.6	12.1	15.3	16.1	17.0	17.3	15.3	16.0	13.6	12.4	12.2	14.3
1938	12.0	13.2	13.8	14.4	15.5	17.4	17.7	16.7	15.8	14.1	13.0	10.5	14.5
1939	11.8	13.8	13.6	16.0	15.3	15.7	18.5	17.0	15.3	14.8	11.4	12.6	14.9
1940	11.8	12.6	13.0	...	15.8	17.9	18.2	16.7	16.9	14.5	12.4	12.0	†14.7
Mean	12.2	12.6	13.6	14.8	16.3	16.8	17.7	16.8	15.6	14.3	12.2	11.5	†14.5

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.70 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	21.2	19.4	19.2	16.8	13.4	11.6	12.8	12.7	13.2	15.6	16.8	20.0	16.1
1932	19.4	20.8	19.8	18.2	14.2	12.2	13.8	12.2	15.2	17.5	18.6	...	†16.5
1933	19.6	20.6	18.4	15.7	14.4	11.1	10.8	13.4	14.6	16.0	16.6	18.2	15.8
1934	19.8	19.6	20.0	16.9	14.8	14.2	12.0	13.6	14.5	15.6	18.1	18.5	16.5
1935	19.7	20.5	20.2	15.5	12.8	14.4	13.6	18.0	14.0	16.0	17.6	20.3	16.5
1936	20.5	19.1	18.9	17.1	17.4	15.5	13.4	12.5	14.1	16.8	17.6	19.4	16.9
1937	17.7	19.9	19.4	15.8	12.8	13.4	13.8	15.4	14.8	15.4	16.4	17.5	16.0
1938	20.5	19.5	20.5	16.5	13.9	13.5	12.2	12.8	14.7	15.6	17.3	18.7	16.3
1939	19.8	19.7	19.6	16.5	15.3	13.0	11.3	14.9	14.5	16.8	17.2	18.2	16.4
1940	20.1	19.3	19.7	...	16.7	14.7	15.0	14.1	14.9	15.6	17.3	21.9	†17.2
Mean	19.8	19.8	19.6	16.6	14.6	13.4	12.9	13.5	14.4	16.1	17.4	19.2	16.4

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	202.0	244.9	65.5	133.3	107.7	162.2	110.2	58.6	144.4	120.6	126.1	157.4	1632.9
1932	157.5	205.0	127.4	160.7	46.7	112.8	18.7	112.4	90.7	102.4	208.5	172.9	1515.7
1933	53.1	229.7	26.3	72.7	24.9	37.3	29.7	17.2	71.1	117.3	58.3	59.9	797.5
1934	225.9	203.7	56.2	73.1	21.5	76.9	39.9	33.9	65.4	152.1	95.7	258.1	1302.4
1935	88.0	82.7	218.4	48.0	16.9	65.4	165.1	104.2	300.1	316.4	68.7	135.1	1609.0
1936	218.8	51.5	123.7	50.3	73.2	38.9	31.0	238.3	135.4	98.7	141.7	115.2	1366.7
1937	187.2	78.7	167.6	95.7	88.6	35.2	40.1	88.7	112.2	214.0	222.1	65.2	1395.3
1938	240.0	126.5	55.0	143.8	195.4	127.4	89.3	90.9	101.4	179.5	87.8	204.6	1641.6
1939	222.2	196.5	95.7	78.4	152.5	72.0	37.4	59.1	123.4	55.1	223.1	134.4	1449.8
1940	203.0	104.1	91.8	66.3	75.9	37.9	38.7	124.6	60.6	87.2	76.6	164.2	1130.9
Mean	179.8	152.3	102.8	92.2	80.3	76.6	60.0	92.8	125.5	144.3	130.9	146.7	1384.2

PRESSURE AT SEA LEVEL

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.8	12.0	13.9	15.1	17.8	19.4	19.9	21.6	18.4	15.4	12.5	10.5	15.6
1932	11.8	10.7	13.0	12.9	17.9	17.5	20.1	18.8	15.9	14.1	11.5	...	†14.9
1933	10.6	11.1	13.5	18.2	18.3	18.9	20.6	19.3	17.3	15.0	12.4	10.8	15.5
1934	12.0	12.4	13.5	15.3	16.9	18.4	21.8	19.6	16.4	16.9	11.7	11.4	15.5
1935	11.3	11.4	11.5	15.6	19.3	17.8	17.8	19.3	15.7	13.8	12.6	10.2	14.7
1936	12.5	10.4	14.5	13.3	15.8	19.4	19.7	17.7	17.2	15.4	11.8	10.0	14.8
1937	11.3	11.7	11.3	16.1	18.3	19.1	19.4	16.5	17.4	14.6	12.9	12.1	15.1
1938	10.8	12.4	12.8	15.1	16.5	19.4	20.4	19.0	17.2	15.0	13.2	9.4	15.1
1939	10.8	12.9	12.6	16.8	16.5	17.8	21.2	18.8	16.7	15.3	11.5	12.3	15.3
1940	10.6	11.9	12.2	...	16.5	19.6	20.0	18.5	18.4	15.5	12.6	10.2	†15.1
Mean	11.3	11.7	12.9	15.4	17.4	18.7	20.1	18.9	17.1	15.1	12.3	10.8	15.2

\* Beginning October 9, 1936, H<sub>b</sub> was changed to 949.17 m. 5.0 mb. has been added to reduce the pressure to former height of 907.86 m.

† Normal value used for missing month.

‡ Mean of 12 monthly means.

FERNANDO DE NORONHA, BRAZIL

Lat. 3°50' S. Long. 32°25' W. H = 106 m.

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	35.4	340.3	303.0	318.6	110.0	49.9	273.0	...	3.9	2.0	7.5	3.2	*1446.8
1932	35.9	77.1	79.9	29.4	51.8	86.8	92.6	24.0	13.4	2.4	9.5	6.5	509.3
1933	42.3	107.1	77.8	391.8	417.5	310.5	443.7	62.7	52.2	14.8	5.4	5.5	1931.3
1934	11.7	130.9	276.0	229.6	610.6	198.4	371.7	125.5	90.4	13.3	9.9	17.0	2085.0
1935	116.1	231.1	351.4	505.8	369.0	129.3	214.7	51.2	17.7	4.2	11.5	10.1	2012.1
1936	10.4	35.0	64.7	43.1	203.2	121.8	87.2	25.0	16.7	11.9	1.5	127.0	747.5
1937	3.4	10.9	65.3	198.3	281.9	297.6	132.7	41.8	10.1	6.1	32.9	11.9	1092.9
1938	54.8	84.1	211.4	393.0	289.7	329.2	179.5	...	19.2	22.0	13.5	7.2	*1603.6
1939	3.1	158.6	190.5	198.9	475.5	82.8	69.1	67.0	10.5	11.0	12.2	31.1	1310.3
1940	16.1	21.2	82.4	313.8	297.3	347.6	184.2	49.4	5.7	1.3	1.0	16.1	1336.1
Mean	32.9	119.6	170.2	262.2	310.7	195.4	204.8	55.8	24.0	8.9	10.5	23.6	†1418.6

\* For 11 months.

† Sum of 12 monthly means.

IGUAPE, BRAZIL

Lat. 24°42' S. Long. 47°32' W. H = 5 m.

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.9	24.1	24.4	22.6	19.3	17.0	17.1	17.1	17.8	20.4	21.6	21.6	21.0
1932	24.4	26.1	26.0	23.7	19.9	17.9	19.5	17.7	19.6	21.9	22.8	22.8	22.0
1933	24.7	...	24.3	22.3	19.9	17.1	16.5	18.3	19.4	20.5	20.9	20.9	*21.0
1934	25.8	25.4	24.8	22.8	21.0	20.6	18.6	19.6	19.3	20.7	22.8	22.8	22.0
1935	25.5	25.2	25.9	20.6	18.8	19.3	18.5	17.1	18.7	20.7	22.6	22.6	21.5
1936	25.4	23.9	23.9	22.1	22.4	21.0	19.0	17.6	18.2	20.3	...	...	*21.4
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	25.7	26.0	25.2	22.1	20.9	18.4	17.2	19.4	19.3	20.6	21.8	23.1	21.6
1940	25.3	24.8	24.9	23.9	21.7	20.5	19.5	18.6	18.8	20.2	21.8	25.9	22.1
Mean	25.3	25.0	24.9	22.5	20.5	19.0	18.2	18.2	18.9	20.7	22.0	24.1	†21.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	170.0	207.5	106.5	63.9	172.0	74.0	103.5	61.5	172.0	160.0	190.0	219.5	1700.4
1932	305.5	303.5	85.5	89.5	156.0	149.5	3.0	273.0	105.0	60.0	328.0	185.0	2043.5
1933	136.0	212.0	231.0	91.0	50.0	91.0	51.0	3.0	144.0	79.5	152.0	97.0	1337.5
1934	148.0	322.0	112.0	222.0	44.0	82.0	141.0	48.0	248.0	53.0	173.0	378.0	1971.0
1935	100.0	175.0	260.0	130.0	106.0	63.0	91.0	139.0	271.0	161.0	4.0	142.0	1642.0
1936	235.0	134.5	87.0	45.0	57.0	42.0	72.0	165.0	254.0	139.0	...	69.5	*1300.0
1937	316.7	105.3	39.5	166.2	156.6	18.5	69.1	93.0	19.0	133.5	82.0	75.0	1294.4
1938	159.0	179.1	227.7	169.5	138.5	159.5	52.5	336.5	129.5	193.6	95.7	117.1	1958.2
1939	106.7	347.8	199.7	197.9	112.9	81.0	42.6	41.8	148.4	26.8	217.1	250.0	1772.7
1940	156.6	55.3	133.6	57.1	19.9	45.7	47.2	67.9	56.1	170.0	62.0	115.0	986.4
Mean	183.4	204.2	148.3	123.2	101.3	80.6	67.3	122.9	154.7	119.6	144.9	164.8	1600.6

\* Normal values used for missing months.

† Mean of 12 monthly means.

## JUIZ DE FORA, BRAZIL

Lat. 21°46' S. Long. 43°21' W. H = 678 m.

TOTAL PRECIPITATION IN MILLIMETERS. hr = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	295.5	380.8	116.5	89.2	28.5	10.1	1.2	4.8	47.2	128.8	134.2	208.7	<b>1445.5</b>
1932	258.8	195.2	71.3	33.0	41.1	84.7	0.0	69.9	55.2	110.1	198.7	368.6	<b>1486.6</b>
1933	262.9	46.9	79.6	39.2	21.4	6.6	50.5	24.0	81.7	55.5	128.9	295.0	<b>1092.2</b>
1934	308.3	107.4	87.1	90.6	6.6	12.3	1.1	3.0	83.2	70.8	145.6	458.8	<b>1377.3</b>
1935	314.7	370.2	127.5	114.1	17.2	17.1	17.9	0.0	31.7	182.0	166.4	200.3	<b>1559.1</b>
1936	145.6	233.4	226.0	85.2	2.2	16.0	0.0	33.0	77.0	86.5	128.3	220.0	<b>1253.2</b>
1937	422.3	108.9	113.4	67.7	63.3	13.4	5.6	2.1	37.3	159.2	319.6	459.8	<b>1772.6</b>
1938	145.4	323.8	174.5	96.5	68.5	9.9	0.0	56.8	54.1	158.8	149.4	525.3	<b>1763.0</b>
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	269.2	220.8	124.5	76.9	31.1	21.3	9.9	24.2	58.4	119.0	171.4	342.1	1468.8



## MANAUS, BRAZIL

Lat. 3°8' S. Long. 60°1' W. H<sub>b</sub> = 4440 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES on Brazil)

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	5.4	4.6	6.3	6.0	6.7	8.0	7.1	7.8	6.2	5.2	3.5	5.1	6.0
1932	5.4	6.0	5.6	4.8	6.8	6.7	7.6	6.2	5.9	4.7	3.8	4.0	5.6
1933	3.9	5.4	5.5	5.9	6.7	7.8	8.2	7.2	6.0	5.1	4.0	4.8	5.9
1934	5.5	7.1	6.3	7.2	7.2	7.5	8.0	8.0	6.3	6.7	4.6	5.5	6.7
1935	5.4	6.7	6.3	6.3	7.4	7.2	7.2	6.8	5.8	4.7	4.6	5.0	6.1
1936	5.9	5.8	5.9	6.0	5.5	7.5	8.3	7.1	6.3	5.6	4.3	4.4	6.1
1937	4.7	6.2	5.2	6.7	7.1	8.0	8.6	7.2	7.0	6.2	5.0	4.6	6.4
1938	6.0	6.8	6.0	6.5	7.2	8.4	8.4	7.1	7.2	6.2	4.8	4.5	6.6
1939	6.5	6.8	6.0	7.1	6.9	7.6	8.5	7.2	6.9	5.1	4.6	6.0	6.6
1940	6.7	6.0	5.5	7.0	6.6	8.3	9.1	8.0	6.4	6.2	4.6	5.4	6.7
Mean	5.5	6.1	5.9	6.4	6.8	7.7	8.1	7.3	6.4	5.6	4.4	4.9	6.3

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.70 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.1	26.5	26.1	26.1	26.4	26.6	26.8	27.5	27.2	28.0	27.0	26.2	26.7
1932	25.4	25.5	25.7	26.3	26.3	26.2	26.6	...	27.6	28.4	28.6	27.0	†26.8
1933	26.4	26.0	25.6	25.6	26.6	26.1	26.4	27.4	28.2	26.8	26.4	26.8	26.5
1934	25.1	24.9	25.4	25.3	25.8	26.4	27.2	27.1	27.8	26.2	26.9	26.2	26.2
1935	26.4	25.7	25.4	25.7	25.8	26.5	27.2	28.0	28.1	28.8	27.0	27.1	26.8
1936	25.4	26.6	26.4	25.8	27.3	27.2	27.3	28.0	28.4	27.6	28.2	27.1	27.1
1937	25.9	26.0	25.8	25.7	26.2	26.7	27.0	28.4	27.8	27.6	28.3	27.5	26.9
1938	25.5	25.5	25.6	25.7	26.0	26.2	26.6	26.9	27.5	27.2	26.7	26.4	26.3
1939	25.5	25.5	25.6	25.8	25.6	26.7	26.1	27.1	27.2	27.7	27.7	27.1	26.4
1940	25.8	26.4	26.5	25.7	26.1	26.5	27.0	26.8	27.2	26.9	27.1	26.8	26.6
Mean	25.8	25.9	25.8	25.7	26.2	26.5	26.8	27.5	27.7	27.5	27.4	26.8	26.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	189.0	252.1	287.9	218.0	200.1	87.7	16.8	66.5	91.3	105.3	157.7	108.1	1730.5
1932	321.6	253.4	284.4	138.8	100.2	74.3	30.6	25.2	78.6	69.0	47.5	225.9	1649.2
1933	234.0	239.6	398.7	436.3	171.1	137.7	92.6	43.5	64.6	112.9	193.7	319.2	2443.9
1934	325.7	255.4	331.6	455.1	283.0	134.7	68.3	45.1	54.4	174.9	109.6	308.6	2546.4
1935	199.2	348.8	578.1	385.0	331.6	139.9	39.0	43.7	55.6	94.0	255.9	202.0	2672.8
1936	365.3	205.0	146.0	266.4	92.1	57.4	37.3	22.7	46.2	103.7	196.8	119.8	1658.7
1937	149.6	214.2	249.2	192.7	500.5	97.2	78.6	34.1	86.0	225.9	50.1	191.1	2069.2
1938	356.0	267.3	306.7	306.1	185.9	59.9	47.8	99.6	49.4	81.1	275.0	301.3	2336.1
1939	402.7	309.2	495.1	195.9	199.1	75.0	89.6	34.7	28.0	29.5	250.0	222.6	2331.4
1940	229.7	167.2	108.8	266.5	147.9	81.2	20.0	51.5	89.9	120.1	97.2	179.0	1559.0
Mean	277.3	251.2	318.6	286.1	221.2	94.5	52.1	46.7	64.4	111.6	163.4	217.8	2104.8

\* See NOTES, p. 54.

† Normal value used for missing month.

## OLINDA, BRAZIL

Lat. 8°1' S. Long. 34°51' W. H<sub>0</sub> = 61.85 m.\*TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	22.0	160.5	114.5	259.8	258.6	371.8	127.4	193.5	86.5	13.3	15.5	31.7	1655.1
1932	138.7	56.0	123.8	68.2	175.7	452.5	230.4	80.8	129.0	22.8	19.7	23.5	1521.1
1933	90.0	213.6	56.5	595.5	202.7	392.3	147.4	80.9	28.7	14.7	10.7	88.0	1921.0
1934	24.2	525.0	246.2	121.7	480.0	241.5	153.4	102.2	37.2	45.4	25.7	123.2	2126.0
1935	36.4	87.3	243.0	382.3	274.7	330.0	209.6	76.1	37.8	28.8	17.0	13.2	1736.2
1936	5.3	43.9	106.4	55.9	411.5	605.4	144.5	118.0	37.2	19.7	7.3	4.9	1560.3
1937	12.7	114.8	27.3	237.2	303.1	257.8	234.5	111.4	36.7	9.8	21.5	15.4	1387.2
1938	48.9	53.6	410.6	329.1	184.9	364.4	141.3	170.6	57.9	48.2	73.3	5.9	1888.7
1939	52.3	125.6	298.7	118.8	140.4	151.2	333.2	153.8	102.5	298.4	59.1	32.3	1866.3
1940	62.5	32.9	231.1	427.0	507.5	282.1	236.1	110.9	86.0	17.5	1.8	62.3	2060.7
Mean	49.3	141.3	186.1	259.6	293.9	344.9	195.8	119.8	64.0	51.9	25.2	40.0	1771.8

\* See NOTES, p. 54.

QUIXERAMOBIM,\* BRAZIL

Lat. 5°12' S. Long. 39°18' W. H = 199.00 m.†

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO

GRAV. AT 45° LAT.

Means of (see NOTES on Brazil)

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	88.6	88.3	89.4	89.1	89.8	91.8	91.0	93.4	92.0	92.2	88.4	88.8	90.2
1932	88.8	89.5	89.4	89.4	91.2	91.9	92.3	88.8	91.2	90.2	89.1	88.8	90.1
1933	88.7	89.1	88.7	89.6	90.8	91.0	91.5	91.6	90.3	88.8	87.4	87.4	89.6
1934	88.3	89.0	88.8	89.8	90.3	91.2	91.9	90.8	89.2	88.8	87.2	87.8	89.4
1935	87.2	88.6	87.6	88.0	89.4	89.9	90.7	90.4	89.4	88.2	87.4	87.5	88.7
1936	87.4	87.6	88.2	87.8	88.4	91.0	92.0	90.2	89.8	88.4	87.2	87.2	88.8
1937	86.2	87.8	86.7	88.3	89.1	91.4	90.8	89.8	89.1	88.3	87.1	86.3	88.2
1938	86.6	87.2	87.3	87.8	89.0	90.4	90.3	89.3	89.8	88.3	86.8	86.2	88.3
1939	87.3	87.6	87.7	88.7	88.6	89.8	90.8	90.2	89.6	88.2	87.6	88.5	88.7
1940	88.2	87.8	87.9	88.7	88.8	91.1	92.1	90.7	89.4	88.8	87.5	87.6	89.1
Mean	87.7	88.2	88.2	88.7	89.5	90.9	91.3	90.5	90.0	89.0	87.6	87.6	89.1

TEMPERATURE IN DEGREES C.  $h_t = 1.70$  m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	28.6	28.2	27.9	27.9	27.8	28.0	28.4	28.2	28.3	28.4	28.8	28.8	28.3
1932	28.4	28.3	27.8	28.4	27.9	27.6	27.5	28.6	27.8	28.2	28.6	28.6	28.1
1933	28.5	27.8	27.2	27.1	26.3	27.0	27.6	28.2	28.6	29.0	28.8	28.8	27.9
1934	28.8	27.2	25.4	26.3	25.3	24.8	25.7	27.4	28.5	29.1	28.9	28.6	27.2
1935	28.9	26.7	26.7	26.1	25.8	25.2	25.8	27.2	27.8	28.4	29.0	29.2	27.2
1936	29.3	27.6	27.5	28.0	26.8	25.2	25.2	27.2	27.8	28.6	28.6	28.9	27.6
1937	29.8	27.9	28.3	27.0	26.2	25.8	26.6	27.8	28.8	29.0	29.4	29.7	28.0
1938	28.9	29.6	26.6	26.2	26.1	26.1	26.8	27.4	28.2	28.6	27.6	28.8	27.6
1939	28.9	27.5	26.5	26.4	26.8	26.2	27.0	27.4	27.8	27.6	28.2	28.8	27.4
1940	28.2	28.1	26.5	26.2	25.8	24.8	25.3	26.8	28.0	28.2	28.4	29.4	27.6
Mean	28.8	27.9	27.0	27.0	26.5	26.1	26.6	27.6	28.2	28.5	28.6	29.0	27.6

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	70.2	80.2	114.4	122.7	46.9	40.7	3.6	12.1	6.8	3.7	0.0	20.2	521.5
1932	70.8	55.3	39.4	102.3	13.0	11.8	6.2	0.0	22.4	0.5	0.1	6.9	328.7
1933	96.7	90.6	180.8	170.4	44.2	8.3	7.3	1.3	0.0	1.9	1.2	13.6	616.3
1934	33.6	270.8	479.6	193.8	217.9	46.8	0.9	0.1	0.3	0.0	7.3	39.6	1290.7
1935	38.2	190.6	165.8	252.9	75.1	77.8	16.8	9.8	0.0	2.2	0.6	6.7	836.5
1936	16.0	159.4	257.5	76.3	287.3	137.1	33.3	0.5	0.0	0.0	1.5	3.0	971.9
1937	2.6	146.8	65.4	131.4	169.6	84.9	39.3	10.8	0.0	1.4	3.7	0.7	656.6
1938	29.3	8.8	355.6	237.9	47.1	63.3	11.1	0.0	0.0	0.0	0.6	9.5	763.2
1939	4.0	129.2	205.2	141.2	74.3	39.9	26.2	5.0	23.5	23.1	27.8	1.1	700.5
1940	65.1	81.8	225.6	303.0	211.1	77.9	21.5	16.0	5.2	2.9	2.2	0.1	1012.4
Mean	42.6	121.4	208.9	173.2	118.6	58.8	16.6	5.6	5.8	3.6	4.5	10.1	769.8

\* See ADDITIONAL DATA, p. 616.

†  $H_b$  is assumed to remain at the old level of 207 m. Editor.

## RIO DE JANEIRO,\* BRAZIL

Lat. 22°54' S. Long. 43°10' W. H<sub>b</sub> = 18.3 m.†

## PRESSURE AT SEA LEVEL

Means of (see NOTES on Brazil)

1,000 mb. †

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.8	12.3	13.7	14.7	17.3	18.9	20.4	22.2	18.0	15.2	12.7	11.6	15.6
1932	12.9	11.1	14.8	13.2	17.9	17.7	20.5	18.4	16.0	14.3	12.4	10.9	15.0
1933	11.1	12.0	13.6	18.0	18.9	19.6	21.0	20.1	17.7	15.7	12.9	11.1	15.9
1934	12.4	12.1	14.1	15.1	16.8	18.8	22.4	19.8	16.6	17.9	12.7	11.6	15.8
1935	11.6	11.9	11.9	15.5	18.9	18.5	18.5	19.7	16.0	14.1	13.9	10.1	15.0
1936	12.5	10.7	14.4	13.3	16.3	20.2	20.5	18.4	18.1	15.2	12.1	10.5	15.2
1937	10.8	11.5	11.6	15.1	17.2	19.3	20.2	16.6	18.1	14.5	13.2	12.0	15.0
1938	10.5	12.1	14.0	14.0	16.9	19.4	20.6	18.6	17.7	15.3	13.5	10.1	15.2
1939	11.2	12.9	12.9	16.3	16.5	17.2	21.6	19.2	18.1	16.3	12.3	13.1	15.6
1940	11.5	12.5	12.5	15.1	16.9	20.2	20.8	18.8	20.1	15.1	13.4	11.3	15.6
Mean	11.5	11.9	13.4	15.0	17.4	19.0	20.7	19.2	17.6	15.4	12.9	11.2	15.4

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.40 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.5	24.5	25.1	24.1	22.0	20.8	20.8	19.9	20.4	21.5	22.1	24.3	22.6
1932	24.6	26.2	25.5	24.8	21.9	20.8	21.7	20.2	22.2	23.0	23.2	25.2	23.3
1933	24.8	25.8	24.5	22.2	21.2	19.5	19.4	20.0	20.6	21.4	21.5	22.7	22.0
1934	25.6	25.6	25.2	24.0	22.3	21.5	19.5	20.1	21.3	20.9	22.8	24.1	22.7
1935	24.6	25.8	25.9	22.7	20.7	21.5	21.9	20.8	21.4	22.3	22.9	25.4	23.0
1936	26.2	25.0	24.8	24.3	24.4	22.6	21.0	20.2	20.5	21.6	23.0	24.2	23.2
1937	24.0	26.0	25.5	23.8	21.2	21.0	21.4	22.2	20.5	21.4	21.9	22.7	22.6
1938	26.9	25.5	25.9	23.6	21.7	20.6	20.0	20.3	21.4	22.1	23.5	23.9	23.0
1939	25.4	26.1	26.1	23.5	22.9	21.4	19.6	21.2	20.3	21.3	23.0	23.8	22.9
1940	25.8	24.6	25.1	24.8	23.0	21.2	21.1	20.7	20.4	21.6	22.2	26.3	23.1
Mean	25.3	25.5	25.4	23.8	22.1	21.1	20.6	20.6	20.9	21.7	22.6	24.3	22.8

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	127.1	149.4	122.4	170.0	39.5	19.1	52.1	29.1	46.1	96.3	129.9	...	...
1932	80.5	52.8	67.3	20.0	98.7	23.3	11.4	112.4	35.8	66.7	132.9	92.5	794.3
1933	80.9	50.8	28.2	45.9	30.7	16.1	39.3	24.1	56.0	46.5	75.3	173.1	666.9
1934	93.6	65.5	66.4	63.1	31.4	29.5	19.4	20.1	31.2	28.8	64.4	101.2	614.6
1935	112.7	96.6	101.9	154.3	42.2	12.3	63.8	29.2	59.5	97.4	40.4	61.7	872.0
1936	130.4	213.3	191.3	28.7	91.7	38.4	4.4	27.7	46.7	49.9	71.4	64.4	953.3
1937	147.1	56.7	32.3	61.3	131.4	34.3	61.6	34.7	19.1	73.0	62.6	172.3	886.7
1938	48.4	314.3	8.7	129.3	56.2	39.7	43.2	79.6	57.5	122.4	140.8	77.4	1117.5
1939	45.4	42.2	110.9	130.2	35.8	47.7	43.8	9.9	37.4	17.3	111.0	77.4	709.0
1940	200.5	108.9	70.1	133.1	70.0	42.7	7.8	37.8	85.7	85.3	167.1	71.7	1080.7
Mean	106.7	115.0	80.0	93.6	62.8	30.3	34.7	40.5	47.5	68.4	99.6	99.1	878.2

\* See ADDITIONAL DATA, p. 616.

† See NOTES, p. 55.

‡ Sum of 12 monthly means.

## SALVADOR, BRAZIL

Lat. 12°57' S. Long. 38°29' W.  $H_b = 8.52$  m.\*PRESSURE AT SEA LEVEL  
Means of (see NOTES on Brazil)  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.6	12.4	13.6	13.4	14.8	17.7	18.1	19.7	16.7	14.9	12.5	13.2	15.0
1932	13.0	12.9	13.2	13.3	15.4	16.0	18.4	16.7	16.5	14.6	13.2	12.6	14.7
1933	12.4	13.7	12.7	14.2	16.5	17.3	18.9	19.1	16.6	14.2	12.1	11.7	15.0
1934	13.3	13.2	12.9	13.5	14.9	16.9	18.9	18.9	16.2	16.8	13.5	13.2	15.2
1935	12.4	13.0	12.0	12.7	15.2	16.5	17.5	18.2	16.5	14.4	14.4	12.5	14.6
1936	13.6	12.1	13.7	12.8	14.8	17.8	19.3	17.7	17.4	15.1	12.7	12.5	15.0
1937	11.7	13.0	11.7	13.6	14.4	17.4	18.7	17.3	16.9	14.6	13.1	12.2	14.6
1938	13.3	13.4	13.1	13.3	14.9	17.8	18.9	18.1	18.2	15.4	13.2	11.2	15.1
1939	12.5	13.5	13.0	14.2	15.0	16.4	18.3	18.5	16.3	14.9	13.2	13.7	15.0
1940	13.0	11.8	12.3	13.9	14.7	17.7	19.4	18.1	17.2	14.7	12.7	13.8	14.9
Mean	12.8	12.9	12.8	13.5	15.1	17.2	18.6	18.2	16.9	15.0	13.1	12.7	14.9

TEMPERATURE IN DEGREES C.  $h_t = 1.70$  m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.2	26.9	27.2	26.3	25.1	24.4	23.6	23.0	23.7	24.6	25.0	25.8	25.2
1932	26.0	26.4	25.8	25.9	25.2	24.4	23.2	23.0	24.0	24.6	25.2	25.6	24.9
1933	26.2	26.1	26.0	25.2	24.0	23.1	22.5	22.6	23.6	24.7	24.6	25.4	24.5
1934	25.6	26.2	26.1	25.6	24.4	23.0	22.0	22.2	23.5	23.9	24.6	25.8	24.6
1935	26.1	26.0	26.4	25.8	24.2	23.9	23.3	23.0	23.4	24.8	25.1	25.6	24.8
1936	25.3	25.6	25.8	25.4	24.6	23.8	22.5	23.0	23.4	24.3	25.0	25.2	24.5
1937	25.9	26.9	26.2	25.6	24.2	23.9	22.9	22.9	23.2	24.6	25.5	25.8	24.8
1938	26.2	26.9	26.3	26.0	24.7	23.4	22.4	23.1	23.9	24.7	25.1	25.9	24.9
1939	25.8	25.7	26.1	25.7	24.7	24.0	22.8	23.2	23.8	24.3	25.3	25.9	24.8
1940	26.1	26.6	25.9	25.9	25.2	23.7	23.3	23.2	23.5	24.8	25.0	26.0	24.9
Mean	25.9	26.3	26.2	25.7	24.6	23.8	22.8	22.9	23.6	24.5	25.0	25.7	24.8

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9.4	23.5	27.2	121.7	95.3	118.7	121.6	87.1	48.4	127.3	115.9	38.0	934.1
1932	137.9	13.6	207.7	32.9	173.6	89.6	386.4	93.6	33.5	44.0	103.1	27.3	1343.2
1933	44.6	55.1	251.3	505.6	216.6	311.3	166.6	131.4	105.2	180.7	154.8	79.9	2203.1
1934	85.9	49.9	96.9	353.0	222.9	246.1	200.4	83.0	110.0	121.1	121.6	89.6	1871.4
1935	113.8	141.6	279.9	452.6	793.7	220.4	202.0	104.6	127.6	12.6	104.3	63.4	2616.5
1936	212.3	227.9	128.9	333.7	214.0	198.2	180.8	100.2	65.0	53.1	153.4	341.7	2209.2
1937	74.5	112.8	248.4	173.8	400.6	193.0	160.2	87.7	141.4	108.0	32.0	26.4	1758.8
1938	70.7	36.7	235.1	205.5	461.8	285.4	299.5	93.8	71.0	64.1	80.9	10.3	1914.8
1939	54.2	41.0	53.2	287.1	123.0	96.4	366.1	150.0	102.7	111.3	93.9	148.9	1627.8
1940	69.7	147.4	271.5	208.5	311.2	99.9	141.6	202.9	106.3	109.4	214.3	30.4	1913.1
Mean	87.3	85.0	180.0	267.4	301.3	185.9	222.5	113.4	91.1	102.3	117.4	85.6	1839.2

\* See NOTES, p. 55.

## SÃO GABRIEL DO RIO NEGRO, BRAZIL

Lat. 0°8' S. Long. 67°5' W. H<sub>0</sub> = 85 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of (see NOTES on Brazil)  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	99.9	98.7	100.7	100.7	101.9	103.5	102.7	105.9	101.6	100.6	98.4	100.0	101.3
1932	100.2	100.4	100.6	100.0	102.4	102.3	103.2	102.4	101.2	100.0	98.8	99.4	100.9
1933	99.2	100.4	100.3	100.8	102.2	103.4	103.6	103.0	101.2	100.3	99.1	99.5	101.1
1934	100.2	101.5	100.4	101.6	101.9	102.4	103.5	103.2	101.4	101.4	99.0	99.8	101.4
1935	99.8	99.5	100.0	101.1	102.6	102.8	102.7	102.6	101.0	100.7	101.2	100.0	101.2
1936	100.4	100.0	100.8	101.0	100.6	102.8	103.5	102.4	101.6	100.8	99.0	99.1	101.0
1937	99.5	100.4	99.2	101.1	101.8	103.0	103.6	102.0	101.5	100.4	99.2	98.7	100.9
1938	...	...	99.9	100.7	101.7	103.0	103.5	102.0	101.6	100.6	99.1	98.9	*101.1
1939	100.8	100.7	99.5	101.8	101.6	102.6	103.5	102.2	102.1	99.6	98.8	100.5	101.1
1940	100.6	100.6	99.4	101.4	101.3	102.8	103.6	103.1	101.1	100.7	99.1	99.7	101.1
Mean	100.1	100.2	100.1	101.0	101.8	102.9	103.3	102.9	101.4	100.5	99.2	99.6	101.1

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.70 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.4	26.5	26.4	26.2	25.4	24.9	24.6	25.0	25.5	26.0	25.8	25.1	25.7
1932	25.2	26.0	25.3	25.2	24.8	24.4	24.6	25.0	25.4	26.0	26.4	25.4	25.3
1933	25.4	25.3	25.3	25.4	25.0	24.1	24.2	25.3	25.8	25.6	25.7	25.1	25.2
1934	25.2	24.6	24.9	25.2	25.1	21.7	24.1	24.8	25.3	25.0	25.6	25.3	25.0
1935	25.8	25.5	26.0	25.3	24.3	24.0	24.3	24.6	25.1	25.1	25.2	25.4	25.1
1936	24.9	25.9	25.2	24.8	25.2	24.7	24.6	24.9	25.6	25.4	26.4	25.8	25.3
1937	25.0	25.5	25.8	25.3	25.0	24.7	24.2	25.2	25.9	26.3	26.9	26.5	25.5
1938	...	...	25.2	24.7	24.6	24.0	23.7	24.4	25.5	25.1	25.1	25.1	*24.9
1939	24.7	25.2	24.7	24.3	24.9	24.5	24.0	24.5	24.7	25.8	25.7	25.5	24.9
1940	25.7	26.2	26.1	25.3	25.3	24.9	24.5	24.3	25.1	25.6	25.8	25.3	25.3
Mean	25.4	25.6	25.5	25.2	25.0	24.5	24.3	24.8	25.4	25.6	25.9	25.4	25.2

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	222.9	292.7	329.7	192.0	345.9	234.5	172.6	164.2	136.0	119.0	213.0	253.9	2676.4
1932	640.0	379.1	384.3	259.9	311.2	302.6	142.2	230.3	188.6	96.5	136.6	483.4	3554.7
1933	173.1	266.6	393.6	149.8	312.9	219.6	247.0	211.8	112.5	137.9	259.1	291.3	2775.2
1934	190.3	258.0	246.2	240.2	247.0	367.8	387.7	250.9	179.6	168.7	269.2	265.7	3071.3
1935	209.7	243.8	120.4	118.6	224.1	247.9	226.2	461.0	258.8	154.7	172.2	380.4	2317.8
1936	235.3	112.9	236.1	260.0	373.1	185.5	173.5	88.0	153.3	259.3	96.0	249.7	2422.7
1937	253.1	89.7	272.8	279.9	317.8	175.0	197.2	153.0	136.8	90.4	73.1	326.3	2365.1
1938	...	...	180.1	330.3	396.8	304.1	253.6	147.0	72.9	250.8	243.5	267.1	...
1939	285.1	95.1	309.6	306.4	319.2	172.7	335.0	124.0	104.7	302.9	258.9	291.7	2908.3
1940	215.7	259.9	137.3	339.0	208.7	117.4	135.4	239.2	167.4	78.0	217.3	228.7	2344.6
Mean	269.5	222.0	261.0	247.6	305.7	232.7	227.3	206.9	151.1	165.9	193.9	303.8	2738.2

\* Normal values used for missing months.

## SÃO PAULO, BRAZIL

Lat. 23°39' S. Long. 46°32' W. H<sub>b</sub> = 796 m.\*PRESSURE AT STATION LEVEL; COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of (see NOTES on Brazil)  
600 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	92.7	93.1	95.0	94.8	96.0	96.6	97.4	98.5	95.9	94.5	92.9	92.9	95.0
1932	93.6	92.9	94.2	93.8	96.4	95.7	97.7	96.0	95.0	94.1	92.8	92.2	94.5
1933	92.3	93.3	93.9	96.4	96.8	97.1	97.5	97.2	95.7	94.5	92.9	91.9	95.0
1934	93.6	93.7	94.6	94.8	95.8	96.6	98.4	97.2	96.2	96.4	94.5	92.5	95.4
1935	93.1	93.3	93.4	94.9	96.8	96.7	96.5	97.1	95.2	94.1	93.9	92.3	94.8
1936	94.0	92.5	95.0	94.1	95.9	98.0	97.7	96.3	96.1	94.8	91.3	92.2	94.8
1937	92.7	93.1	93.1	95.0	95.9	97.0	97.6	95.7	95.9	94.1	93.1	92.8	94.7
1938	93.1	93.7	93.9	94.5	95.6	97.0	97.4	96.5	96.0	94.7	93.8	91.7	94.8
1939	92.7	94.1	93.9	95.5	95.4	95.8	98.0	96.9	95.3	94.9	92.9	93.5	94.9
1940	92.9	93.2	93.5	95.1	95.8	97.5	97.8	96.6	96.4	94.5	93.1	93.0	95.6
Mean	93.1	93.3	94.1	94.9	96.0	96.8	97.6	96.8	95.8	94.7	93.1	92.5	94.8

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	21.9	20.2	20.4	19.3	16.4	14.7	15.4	15.6	15.7	17.6	18.6	21.1	18.1
1932	20.1	22.4	21.4	20.6	16.7	15.2	16.4	15.3	18.4	18.9	20.0	20.6	18.8
1933	20.6	21.8	19.8	17.7	16.5	14.3	14.0	16.0	17.0	17.7	17.8	19.2	17.7
1934	20.9	22.0	21.2	19.5	17.5	16.3	14.5	16.3	17.1	17.3	19.8	20.1	18.5
1935	20.0	20.5	20.3	17.3	14.4	15.9	15.5	14.8	16.0	17.2	18.1	20.7	17.6
1936	21.2	19.6	19.5	18.5	18.8	16.8	14.9	13.8	15.4	17.6	17.9	19.9	17.8
1937	18.9	20.9	20.2	17.8	14.8	15.0	15.2	16.2	15.7	16.6	17.5	18.2	17.3
1938	22.3	20.6	21.1	18.3	15.8	14.6	14.2	14.8	16.3	17.1	18.3	19.5	17.7
1939	20.7	21.2	21.0	18.5	17.4	15.3	12.9	16.2	15.0	17.5	19.0	19.8	17.9
1940	21.2	19.7	20.9	20.0	17.7	15.7	16.3	16.2	16.1	17.2	18.3	22.3	18.5
Mean	20.8	20.9	20.6	18.8	16.6	15.4	14.9	15.5	16.3	17.5	18.5	20.1	18.0

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	259.3	281.2	317.8	70.9	44.5	47.0	7.0	22.4	144.3	101.1	145.8	182.2	1623.5
1932	306.8	143.2	199.7	20.6	132.2	38.1	19.8	39.2	49.4	137.4	237.6	250.1	1574.1
1933	145.4	104.1	119.6	14.3	58.5	68.2	30.4	19.1	70.8	83.0	79.5	153.2	946.1
1934	260.5	156.7	133.8	53.1	16.2	43.1	5.4	40.4	81.0	95.1	138.6	309.1	1333.0
1935	175.1	255.7	154.8	68.0	49.6	73.5	52.3	63.3	219.9	187.7	58.1	151.3	1509.9
1936	150.5	163.7	219.1	23.1	57.0	4.1	32.6	130.1	115.8	102.4	96.0	202.5	1296.9
1937	205.5	113.5	172.2	193.0	114.1	50.3	4.0	75.6	34.2	160.8	206.6	171.0	1500.8
1938	160.6	111.7	118.3	215.7	82.1	37.1	38.8	69.0	133.4	179.0	109.3	170.9	1425.9
1939	198.0	156.2	114.8	67.3	66.6	31.3	38.7	6.1	29.0	22.5	249.9	150.5	1130.9
1940	290.6	264.1	65.8	42.3	29.9	13.0	10.8	17.5	47.8	146.1	66.8	138.2	1132.9
Mean	215.2	175.0	161.6	76.9	65.1	40.6	24.0	48.3	92.6	121.5	138.8	187.9	1347.4

\* The pressure from 1931 to 1934 was corrected to H<sub>b</sub> = 796 m. by the addition of + 1.0 mb. See NOTES, p. 55.

## SENNA MADUREIRA, BRAZIL

Lat. 9°8' S. Long. 68°40' W. H<sub>b</sub> = 135 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES on Brazil)

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	94.3	94.8	94.4	94.4	95.6	96.6	98.0	97.6	95.2	94.3	93.6	94.7	95.3
1933	93.0	93.9	94.3	93.8	...	...	96.8	...	94.7	94.4	...	94.0	...
1934	93.6	94.4	93.9	93.9	95.8	97.2	97.5	95.2	93.6	94.3	94.3	93.5	94.8
1935	94.2	94.2	94.8	95.6	96.7	97.0	98.2	96.7	96.4	...	...	93.8	...
1936	94.7	94.0	95.0	94.8	94.4	96.8	97.9	97.1	95.6	94.8	93.1	93.2	95.1
1937	93.5	94.4	94.0	95.6	96.7	97.4	97.9	96.2	95.9	95.6	93.8	93.1	95.3
1938	93.6	94.7	94.3	94.8	95.3	96.5	96.6	95.7	95.2	95.6	94.0	93.5	95.0
1939	95.0	95.5	95.0	95.8	95.6	96.9	99.0	97.3	96.9	94.7	93.7	95.5	95.9
1940	95.7	94.8	94.9	95.9	95.8	96.9	97.7	97.1	95.8	95.5	94.9	94.0	95.8
Mean	94.2	94.5	94.5	95.0	95.7	96.9	97.7	96.6	95.5	94.9	93.9	93.9	*95.3

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.70 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.3	25.8	25.5	25.4	22.6	21.6	22.7	23.3	25.9	26.1	25.6	25.6	24.5
1932	25.4	25.0	24.8	25.3	24.6	23.8	24.4	24.2	24.8	25.7	26.1	25.8	25.0
1933	26.2	26.1	25.9	25.8	...	...	...	...	26.6	25.8	...	26.1	...
1934	24.6	25.0	24.9	24.3	25.0	24.6	24.4	24.4	25.7	25.6	25.8	25.5	25.2
1935	25.8	26.1	25.5	24.6	24.2	24.4	23.2	23.8	24.4	...	...	25.4	...
1936	24.4	25.6	25.1	24.8	25.2	23.7	23.1	23.2	25.4	26.4	26.3	25.7	24.9
1937	25.8	25.8	25.6	25.2	24.0	24.2	25.7	25.4	26.7	25.3	28.1	25.9	25.6
1938	25.0	25.3	24.4	24.1	24.1	24.1	23.6	23.5	24.9	23.8	25.2	24.7	24.4
1939	24.8	24.1	24.7	24.4	24.9	24.2	22.3	23.3	23.8	25.0	24.7	24.9	24.3
1940	24.6	25.2	25.0	24.0	24.4	24.3	24.3	24.2	25.0	25.1	25.0	25.3	24.8
Mean	25.2	25.4	25.1	24.9	24.3	23.9	23.7	24.1	25.3	25.4	25.8	25.5	*24.9

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	312.3	340.2	144.0	339.8	66.8	34.6	0.0	65.8	95.8	183.7	91.6	398.8	2073.4
1932	218.1	236.8	365.0	157.8	143.3	66.1	42.4	28.1	208.4	273.6	254.4	315.4	2309.4
1933	292.2	394.3	219.4	499.2	...	...	...	...	74.4	123.1	...	267.8	...
1934	406.8	245.5	366.7	232.1	109.7	14.3	2.7	36.7	117.0	124.6	197.1	186.6	2039.8
1935	408.6	120.0	188.0	85.4	7.5	91.3	39.7	25.6	88.0	...	...	194.1	...
1936	417.7	206.9	241.7	255.6	86.0	80.1	66.5	14.0	64.2	174.8	248.7	212.1	2068.3
1937	316.5	195.0	227.8	120.0	21.4	132.0	2.0	36.0	140.5	225.0	118.0	251.0	1785.2
1938	276.4	244.0	272.0	301.0	213.0	70.9	35.0	...	73.9	325.8	188.6	247.1	...
1939	200.6	288.2	280.2	206.4	147.2	69.5	63.4	136.6	634.0	168.7	322.3	282.7	2799.8
1940	229.8	241.7	316.1	204.4	255.3	51.4	13.1	64.8	165.9	256.6	205.7	265.5	2270.3
Mean	307.9	251.3	262.1	240.2	116.7	67.8	29.4	51.0	166.2	206.2	203.3	262.1	†2164.2

\* Mean of 12 monthly means.

† Sum of 12 monthly means.



## TAPERINHA, BRAZIL

Lat. 2°25' S. Long. 54°42' W. H<sub>b</sub> = 20.00 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of (see NOTES on Brazil)  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	8.6	7.9	9.6	9.1	9.5	11.1	9.6	10.7	8.8	8.0	6.2	7.6	8.9
1932	7.6	8.7	8.6	7.4	9.2	9.5	10.4	9.0	8.6	7.4	6.6	6.4	8.3
1933	6.6	8.4	8.3	8.7	10.4	10.2	10.6	9.9	8.7	7.5	6.6	7.0	8.6
1934	...	9.6	8.4	9.4	9.5	9.8	10.2	10.3	8.7	8.6	7.0	8.0	*8.9
1935	8.0	9.0	8.6	8.7	9.6	9.6	9.8	9.5	8.7	7.6	6.8	7.5	8.6
1936	8.0	8.4	8.4	8.2	7.9	9.9	10.7	9.8	9.0	8.4	7.0	7.1	8.6
1937	6.8	8.6	7.5	9.1	9.4	10.3	10.6	9.4	9.0	8.4	7.1	6.7	8.6
1938	...	8.2	7.9	8.2	9.0	10.2	10.4	8.8	9.0	8.0	6.8	6.4	*8.4
1939	8.2	9.2	8.4	9.3	9.0	9.9	10.7	9.7	9.5	...	7.1	8.3	*9.8
1940	9.1	8.4	8.2	9.1	8.6	10.3	11.3	10.0	8.8	8.3	7.0	7.6	8.9
Mean	7.9	8.6	8.4	8.7	9.2	10.1	10.4	9.7	8.9	8.0	6.8	7.3	8.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.45 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.8	26.0	25.6	25.9	25.7	25.6	25.4	26.0	26.4	27.1	26.6	27.0	26.1
1932	25.9	25.3	25.4	25.8	25.8	25.1	25.2	26.3	26.9	27.4	27.4	27.2	26.1
1933	26.7	25.6	25.7	25.5	25.6	25.2	25.2	26.2	26.6	26.3	26.0	26.0	25.9
1934	...	24.6	24.8	25.2	25.3	25.2	25.2	26.4	26.8	26.4	26.7	26.0	*25.7
1935	25.9	25.2	25.5	25.5	25.1	25.2	25.6	26.0	26.8	27.6	27.3	26.9	26.1
1936	25.5	25.8	25.5	25.6	25.9	25.4	25.6	26.0	26.8	27.0	27.2	26.8	26.1
1937	26.5	25.6	25.5	25.5	25.4	25.4	25.3	26.4	26.9	27.3	27.6	26.6	26.2
1938	...	25.7	25.5	25.3	25.2	25.2	25.4	26.2	27.0	27.4	26.6	26.3	*26.0
1939	25.5	24.9	25.2	25.3	25.6	25.4	25.1	25.6	26.3	...	27.3	27.1	*25.8
1940	25.7	26.0	26.1	25.8	25.9	25.6	25.4	26.3	27.0	27.5	27.4	27.2	26.3
Mean	25.9	25.5	25.5	25.5	25.6	25.3	25.3	26.1	26.8	27.1	27.0	26.7	26.0

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	167.5	169.2	482.0	466.6	312.1	86.8	65.7	50.4	126.1	16.6	110.7	2.0	2055.7
1932	133.8	217.6	527.4	179.5	119.9	160.7	76.1	7.9	2.1	4.9	14.3	104.5	1548.7
1933	72.5	246.0	335.0	346.4	303.9	371.8	217.6	34.4	24.4	110.4	140.0	42.9	2245.3
1934	...	342.2	387.1	400.5	390.5	225.3	99.7	54.7	46.2	173.0	60.1	247.9	*2562.5
1935	135.5	438.8	337.5	342.0	370.4	105.8	53.3	40.1	23.6	1.9	66.4	42.9	1958.2
1936	123.9	233.3	250.6	272.7	234.3	153.7	52.7	65.2	16.4	82.3	48.5	33.7	1567.3
1937	160.0	164.1	383.9	245.7	381.7	209.0	60.8	53.4	22.0	19.4	44.2	208.6	1952.8
1938	...	206.9	288.6	526.8	318.9	184.2	107.7	41.6	22.2	9.1	200.2	176.8	*2218.3
1939	125.0	332.5	447.5	358.6	224.3	271.9	225.5	81.3	43.5	...	0.1	57.1	*2215.8
1940	163.9	113.3	169.7	465.5	288.1	212.4	109.3	48.5	10.1	19.1	73.7	76.7	1750.3
Mean	135.3	246.4	360.9	360.4	294.4	198.2	106.8	47.8	33.7	48.5	75.8	99.3	†2007.5

\* Normal value used for missing months.

† Sum of 12 monthly means.

## TURI-ASSÚ,\* BRAZIL

Lat. 1°43' S. Long. 45°24' W. H<sub>b</sub> = 5.60 m.†

## PRESSURE AT SEA LEVEL

Means of (see NOTES on Brazil)

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.8	9.1	10.6	9.9	10.5	12.5	11.5	12.9	11.3	10.6	8.6	10.1	10.6
1932	9.5	10.3	9.7	9.1	11.0	11.4	12.5	11.3	11.4	10.5	9.8	9.3	10.4
1933	8.7	10.2	9.7	10.2	11.1	11.7	12.2	12.3	11.1	9.8	8.6	9.0	10.4
1934	9.5	10.6	9.9	10.9	11.1	11.8	12.3	12.6	11.1	10.6	9.3	9.9	10.8
1935	9.7	10.7	8.6	10.2	11.1	11.5	11.9	11.9	11.4	10.2	9.3	9.7	10.5
1936	9.7	10.2	9.9	9.5	12.5	12.1	13.8	11.8	11.8	10.9	10.1	10.5	11.1
1937	9.7	10.3	9.0	10.6	11.0	12.2	12.6	12.2	12.3	10.6	9.4	8.7	10.7
1938	...	10.0	9.7	9.9	10.6	12.2	12.4	11.2	11.9	10.9	9.1	8.6	†10.6
1939	10.1	10.7	10.2	11.1	11.1	12.1	13.0	12.3	12.2	10.5	10.2	11.2	11.2
1940	11.0	10.6	10.3	11.1	10.6	12.6	13.5	12.7	11.6	11.3	9.9	10.3	11.3
Mean	9.7	10.3	9.8	10.3	11.1	12.0	12.5	12.1	11.6	10.6	9.4	9.7	10.8

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.70 m.

Means of (see NOTES on Brazil)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	27.2	26.5	26.6	26.5	26.6	26.2	25.8	26.5	27.1	27.4	27.6	27.5	26.8
1932	27.0	26.4	26.3	27.4	27.0	26.3	25.8	26.6	27.2	27.2	27.4	27.7	26.9
1933	27.2	26.0	25.8	25.3	25.6	25.6	25.5	25.9	26.8	27.2	27.1	27.0	26.3
1934	26.1	24.8	24.8	25.3	25.2	24.8	25.6	26.6	27.1	27.3	27.4	27.1	26.0
1935	26.6	25.1	25.5	25.4	25.4	25.6	26.0	26.0	26.8	26.9	27.2	27.5	26.1
1936	26.7	25.6	26.9	26.7	26.4	26.0	26.0	26.4	26.6	27.0	27.4	27.6	26.6
1937	27.5	26.4	26.4	25.6	25.4	25.8	25.6	26.4	27.0	27.4	27.7	27.6	26.7
1938	...	27.1	25.5	25.5	25.7	25.7	25.7	26.6	27.2	27.5	27.7	27.8	†26.5
1939	26.9	25.3	25.5	25.8	25.5	26.0	25.9	26.4	26.7	27.0	27.3	27.8	26.3
1940	26.3	26.5	26.0	25.7	25.6	26.2	26.4	26.5	27.1	27.3	27.4	28.0	26.6
Mean	26.8	26.0	25.9	25.9	25.8	25.8	25.8	26.4	26.9	27.2	27.4	27.6	26.5

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	66.0	378.4	641.0	332.1	215.2	227.8	195.0	46.6	14.1	0.7	7.0	7.7	2131.6
1932	150.4	137.7	216.8	67.0	88.2	144.5	116.3	44.7	25.7	2.3	1.7	1.5	996.8
1933	69.8	301.2	345.2	661.1	333.1	145.2	273.6	109.6	6.3	18.4	72.4	73.9	2409.8
1934	207.5	319.2	296.9	355.2	370.3	424.9	145.2	53.6	4.1	15.3	32.2	103.4	2332.3
1935	175.5	329.2	447.0	466.1	305.8	204.3	87.3	72.7	13.3	6.9	0.0	11.1	2119.2
1936	195.7	522.5	148.4	185.1	286.4	130.0	17.8	48.5	12.6	7.7	16.8	4.1	1576.2
1937	53.2	382.8	403.8	519.5	601.8	271.9	189.2	140.2	39.4	15.3	5.9	30.5	2655.5
1938	95.3	122.1	471.9	426.8	320.9	218.9	206.1	98.2	4.3	3.6	7.6	5.9	1981.6
1939	153.9	492.8	553.8	330.2	399.4	221.6	150.4	43.7	24.2	31.1	9.5	0.8	2411.4
1940	181.5	261.3	492.4	673.7	483.3	177.4	151.6	146.9	33.6	7.2	8.8	3.4	2626.1
Mean	134.9	324.7	401.7	401.7	340.4	216.7	153.2	80.5	18.3	10.8	16.2	24.7	2123.9

\* See ADDITIONAL DATA, p. 617.

† 0.7 mb. added to observed values to reduce to sea level.

‡ Normal value used for missing month.

## GEORGETOWN (BOTANIC GARDENS), BRITISH GUIANA

Lat. 6°50' N. Long. 58°12' W. H<sub>b</sub> = 6.6 ft.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{3}(7^h+13^h+18^h)$ 

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.1	10.9	12.9	11.8	11.6	12.4	12.1	13.1	11.5	10.9	9.2	11.4	11.7
1932	11.6	12.8	11.7	10.9	12.1	12.5	12.9	11.5	11.3	10.5	9.7	10.3	11.5
1933	11.1	12.8	12.6	11.9	12.5	12.6	12.8	12.6	11.6	10.3	9.3	10.6	11.7
1934	11.8	13.8	12.8	13.3	12.9	13.2	13.2	13.1	11.7	11.4	9.9	11.9	12.4
1935	11.9	12.6	12.7	12.0	12.2	12.8	12.7	12.2	11.9	10.9	10.4	11.9	12.0
1936	12.8	13.5	12.3	12.2	10.9	13.1	13.6	12.4	11.9	11.3	10.3	11.0	12.1
1937	10.9	13.2	11.8	12.8	12.4	13.6	13.5	12.3	11.5	10.8	10.2	10.2	11.9
1938	11.8	12.6	11.9	12.0	12.3	13.7	13.6	11.7	11.9	11.2	10.3	10.4	11.9
1939	12.9	13.7	12.9	13.4	12.8	13.4	13.7	12.6	12.6	10.6	10.7	12.7	12.7
1940	13.9	13.5	12.6	13.1	12.3	13.1	14.0	12.8	11.7	11.3	10.3	12.0	12.5
Mean	12.1	12.9	12.4	12.3	12.2	13.0	13.2	12.4	11.8	10.9	10.0	11.2	12.0

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4.5 ft.Means of  $\frac{1}{2}(\text{daily Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	80.2	81.2	81.7	82.7	81.3	80.9	80.3	81.2	82.1	82.2	81.7	80.0	81.3
1932	79.9	79.8	80.4	80.5	80.7	80.4	80.3	81.0	82.5	82.7	82.5	81.1	80.9
1933	79.7	79.2	79.8	80.6	80.8	80.3	80.7	80.9	81.9	81.8	80.6	78.6	80.4
1934	77.7	78.4	78.8	80.3	80.5	80.0	80.2	81.3	82.2	81.2	81.2	80.1	80.2
1935	79.9	79.2	80.0	80.5	80.8	79.7	80.3	80.5	81.6	81.7	82.0	80.6	80.6
1936	79.2	78.8	80.2	80.6	80.8	80.1	80.2	81.3	82.1	82.1	81.9	81.3	80.7
1937	79.8	80.1	80.7	80.9	80.7	80.2	79.9	80.9	82.3	82.7	80.5	81.1	80.8
1938	79.8	80.1	79.6	80.3	80.5	79.9	80.0	80.6	82.5	82.3	82.1	80.5	80.7
1939	79.1	78.9	79.3	79.8	80.4	80.4	80.3	81.8	82.1	82.6	82.5	81.7	80.7
1940	80.0	80.9	81.9	83.0	82.1	80.8	81.1	81.7	82.4	82.7	82.0	80.3	81.6
Mean	79.6	79.7	80.2	80.9	80.9	80.3	80.3	81.1	82.1	82.2	81.7	80.5	80.8

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.72	3.09	1.49	1.27	11.49	11.47	12.42	6.44	4.43	5.62	2.05	7.77	69.26
1932	8.50	1.00	6.64	15.06	13.55	13.06	7.35	5.52	1.09	3.75	0.11	14.88	90.51
1933	7.24	4.66	6.10	5.60	14.34	12.56	8.16	14.45	1.82	4.12	10.40	27.10	116.55
1934	28.00	2.39	3.51	2.31	3.31	9.21	9.81	4.19	1.31	5.80	5.57	5.63	81.04
1935	5.94	10.59	3.82	1.15	11.56	14.37	8.12	13.78	5.39	3.31	3.72	4.60	86.35
1936	6.32	2.49	9.20	13.43	15.01	11.92	10.34	1.47	1.66	4.66	4.32	23.27	104.09
1937	11.41	0.95	1.26	5.44	12.43	17.80	15.63	7.22	3.16	3.10	4.10	9.66	92.16
1938	13.34	15.10	13.76	7.95	11.17	13.17	12.74	14.96	1.85	3.48	5.12	6.36	119.00
1939	12.61	3.93	4.66	8.80	7.25	7.53	10.18	3.08	2.43	1.57	1.39	2.28	65.71
1940	4.58	0.67	0.64	1.03	7.80	13.54	10.05	7.44	3.14	2.54	4.77	13.09	69.29
Mean	9.97	4.49	5.11	6.20	10.79	12.46	10.48	7.85	2.63	3.79	4.15	-11.46	89.38

## ARICA, CHILE

Lat. 18°28' S. Long. 70°20' W. H<sub>b</sub> = 29 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ ,\* 75th meridian W.  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	7.3	8.0	8.8	10.2	11.3	11.2	12.0	11.7	11.6	10.5	8.8	...
1933	9.0	8.2	8.4	10.1	12.1	12.7	13.5	13.6	12.7	12.4	12.2	11.6	11.4
1934	9.6	10.4	9.9	11.0	...	...	12.9	13.4	12.3	13.8	11.8	11.0	...
1935	9.3	10.4	9.6	10.3	12.0	12.8	...	...	...	12.1	11.0	9.5	...
1936	8.0	...	...	...	12.0	14.2	13.6	13.1	13.2	11.5	11.3	11.0	...
1937	...	...	8.3	10.0	11.6	12.3	12.2	12.4	13.5	12.5	11.0	9.2	...
1938	8.9	8.5	8.5	10.3	11.3	12.3	13.0	13.2	12.7	12.4	10.2	9.3	10.9
1939	7.6	7.8	8.1	8.6	10.2	11.4	11.5	10.3	11.6	10.5	9.5	9.1	9.7
1940	8.2	7.5	7.7	8.8	9.6	10.7	11.0	11.1	10.3	10.9	9.7	8.2	9.5
Mean	8.7	8.6	8.6	9.7	11.1	12.2	12.4	12.4	12.3	12.0	10.8	9.7	...

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.Means of  $\frac{1}{4}(7^h + 18^h + \text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	21.7	21.5	21.6	19.8	17.2	16.2	15.3	15.6	16.6	18.6	...	...	...
1932	...	22.7	21.7	19.6	18.7	17.5	16.8	16.3	16.6	17.3	18.1	20.1	...
1933	21.2	23.0	21.5	19.4	17.7	16.5	15.3	15.2	16.2	17.2	18.1	20.0	18.5
1934	22.2	21.7	21.4	19.4	...	...	...	...	...	...	...	...	...
1935	...	...	...	19.2	16.6	...	...	...	...	16.8	18.9	20.7	...
1936	21.8	...	...	...	18.1	16.3	15.7	15.5	16.5	17.9	19.2	21.0	...
1937	...	...	20.8	18.6	16.8	15.8	15.2	15.3	15.6	16.6	18.7	21.3	...
1938	21.1	22.5	22.1	17.8	15.7	15.1	14.1	13.8	14.7	16.5	18.6	19.9	17.6
1939	22.9	21.9	20.4	19.4	18.5	17.1	16.2	16.4	17.0	18.2	19.3	20.6	19.0
1940	22.1	21.5	20.9	19.7	18.3	17.3	16.5	16.5	17.3	18.9	19.7	21.6	19.2
Mean	21.8	22.1	21.3	19.2	17.5	16.5	15.6	15.6	16.3	17.5	18.8	20.6	...

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	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
1932	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
1933	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
1934	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
1935	0.0	0.0	0.0	0.0	0.0	0.0	...	...	...	0.0	0.0	0.0	...
1936	0.0	...	...	...	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...
1937	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1938	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
1939	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1940	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5
Mean	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	†0.2

\* See NOTES, p. 56.

† Sum of 12 monthly means.

## BAHÍA FÉLIX, CHILE

Lat. 52°58' S. Long. 74°7' W.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	421.5	442.1	520.6	285.5	...	308.1	246.0	389.6	351.8	373.5	272.7	390.0	*4306.5
1932	633.3	384.8	772.0	404.5	361.8	139.9	370.3	158.6	529.6	454.7	749.6	771.0	5730.1
1933	305.4	524.1	872.8	482.6	253.3	291.2	592.0	333.5	432.5	317.6	380.0	169.1	4954.1
1934	693.8	213.1	368.8	359.6	540.2	320.6	625.2	535.5	305.1	496.3	268.1	380.7	5107.0
1935	374.1	528.3	1058.9	333.5	192.3	337.0	258.2	382.4	327.1	315.9	374.7	399.5	4881.9
1936	504.1	363.9	446.0	338.2	133.8	359.2	381.4	223.0	545.1	357.5	508.7	409.7	4570.6
1937	372.0	371.9	490.7	416.0	263.5	417.5	228.7	92.7	609.7	372.7	320.7	367.8	4413.9
1938	315.7	517.1	379.2	268.4	492.0	366.4	440.7	386.9	347.1	612.8	218.5	584.2	4929.0
1939	384.0	323.0	520.0	369.0	188.0	180.0	336.0	241.0	219.0	368.0	280.0	181.0	3589.0
1940	461.0	276.0	700.0	469.0	321.0	344.0	302.0	511.0	319.0	321.0	474.0	439.0	4937.0
Mean	446.5	394.4	612.9	372.6	305.1	306.4	378.0	325.4	407.6	399.0	384.7	409.2	4741.8

\* Normal value used for missing month.

## IQUIQUE (ISLA SERRANO), CHILE

Lat. 20°12' S. Long. 70°11' W. H = 6 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ , 75th meridian W.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.7	10.3	11.1	12.2	14.6	15.4	15.4	15.4	15.3	13.3	13.6	11.5	13.2
1932	10.7	10.2	11.4	11.6	13.3	14.2	14.2	15.2	14.9	14.7	13.9	12.5	13.1
1933	11.4	11.0	11.3	12.8	14.4	15.3	16.2	15.8	15.6	15.0	14.8	14.1	14.0
1934	11.9	13.1	12.3	13.7	15.0	16.6	15.6	16.2	15.1	16.3	14.5	14.3	14.6
1935	12.1	13.4	11.7	12.9	14.6	15.6	15.1	16.1	14.9	15.3	13.9	12.5	14.0
1936	11.3	12.5	11.6	13.5	13.8	15.8	15.6	15.5	15.3	14.3	13.5	13.3	13.8
1937	11.6	12.3	11.3	13.4	15.9	15.5	15.3	15.3	16.6	15.7	14.2	12.4	14.1
1938	12.3	11.7	12.0	13.7	14.8	15.7	16.2	16.3	15.6	15.3	13.6	12.6	14.2
1939	11.2	11.6	11.7	12.7	13.7	14.5	14.9	13.8	15.4	14.4	13.6	13.2	13.4
1940	12.6	11.5	11.9	12.9	13.5	14.6	14.9	14.5	14.3	14.9	13.9	12.4	13.5
Mean	11.6	11.8	11.6	12.9	14.4	15.3	15.3	15.4	15.3	14.9	13.9	12.9	13.8

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.Means of  $\frac{1}{3}(7^h + 18^h + \text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	15.1	15.1	15.7	16.0	17.7	18.3	...
1935	19.9	19.9	19.1	17.9	16.8	15.9	14.7	14.5	15.3	16.0	18.4	18.8	17.3
1936	19.8	20.0	19.6	18.8	17.2	14.6	14.6	14.5	15.0	16.8	17.8	19.5	17.4
1937	20.4	20.2	18.8	17.0	16.1	14.9	14.9	14.5	14.5	15.6	17.2	19.1	16.9
1938	19.4	19.9	18.9	15.9	14.8	14.5	13.8	13.2	14.2	15.7	17.4	18.8	16.4
1939	20.1	19.5	18.5	16.8	17.3	16.5	15.6	16.1	16.8	17.8	18.6	19.8	17.8
1940	20.1	20.7	19.9	19.0	18.5	17.1	16.3	16.3	16.5	17.4	18.5	19.6	18.3
Mean	19.9	21.5	19.1	17.6	16.8	15.6	15.0	14.9	15.4	16.5	17.9	19.1	*17.4

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	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
1932	0.0	0.0	0.0	0.0	0.0	1.3	1.0	0.8	1.9	0.4	0.0	0.0	5.4
1933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4
1934	2.3	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	3.1
1935	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.9	0.0	0.0	0.0	4.4
1936	0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.7	0.0	0.0	0.0	2.5
1937	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
1938	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
1939	0.0	0.0	0.0	0.0	†0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7
1940	0.0	0.0	0.0	0.0	0.0	5.6	14.4	0.0	0.0	0.0	0.0	0.0	20.0
Mean	0.3	0.0	0.0	0.0	0.0	0.7	1.9	0.8	0.5	0.0	0.0	0.0	4.2

\* Mean of 12 monthly means.

† Amount too small to measure.

## ISLA DE JUAN FERNÁNDEZ, CHILE

Lat. 33°37' S. Long. 78°52' W. H = 6 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ , 75th meridian W.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	16.6	16.5	18.6	16.6	20.9	16.0	17.7	20.6	23.0	21.4	20.1	18.3	18.9
1932	18.7	17.2	18.9	17.2	19.6	12.8	15.2	18.4	22.7	21.4	20.6	19.7	18.5
1933	17.0	17.4	18.2	17.8	17.8	19.9	21.2	19.6	20.5	19.4	21.6	18.2	19.1
1934	18.4	20.0	17.6	19.1	16.0	15.6	21.6	21.4	19.5	23.6	20.8	20.4	19.5
1935	18.9	19.6	18.4	18.5	14.4	18.4	19.8	17.8	21.8	20.5	20.4	18.6	18.9
1936	18.3	18.4	16.9	16.8	16.4	18.5	18.1	20.7	19.8	21.0	20.3	19.1	18.7
1937	18.2	17.7	18.7	19.5	18.6	18.4	20.5	17.1	23.0	22.9	21.1	20.1	19.7
1938	20.1	20.3	18.5	22.1	18.5	19.1	21.0	23.4	22.9	23.6	19.7	20.2	20.8
1939	20.0	23.0	23.2	20.6	15.9	15.5	17.7	15.8	19.2	18.0	20.7	18.8	19.0
1940	18.9	17.1	18.7	18.2	15.5	14.3	15.4	22.4	19.5	19.5	20.5	18.0	18.2
Mean	18.5	18.7	18.8	18.6	17.4	16.8	18.8	19.7	21.2	21.1	20.6	19.1	19.1

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.Means of  $\frac{1}{4}(7^h + 18^h + \text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.6	19.6	19.0	17.2	14.8	14.6	12.4	12.2	12.2	14.4	14.4	18.7	15.7
1932	18.7	19.2	18.4	16.4	14.6	14.8	13.6	11.8	12.1	13.4	14.4	16.1	15.3
1933	18.2	18.8	17.3	16.0	14.4	14.0	11.7	12.6	12.5	13.6	14.9	17.4	15.1
1934	19.3	18.5	18.1	16.2	14.9	13.5	11.1	10.7	12.7	12.3	13.7	15.6	14.7
1935	19.0	19.0	18.4	17.0	16.0	13.5	11.8	12.4	11.8	11.7	15.6	16.3	15.2
1936	17.3	17.9	18.1	17.6	14.9	12.6	13.0	11.7	12.3	12.6	14.7	17.9	15.1
1937	16.9	18.6	16.9	15.8	14.7	13.2	12.6	12.4	11.4	12.8	14.9	16.0	14.7
1938	16.7	17.7	17.7	15.6	14.7	12.5	12.5	11.5	12.4	14.0	16.0	17.9	14.9
1939	19.9	18.9	18.5	16.6	16.2	14.4	13.7	13.2	13.0	13.7	14.7	16.7	15.8
1940	19.3	19.6	18.4	17.5	15.8	13.6	13.0	11.7	12.2	13.8	14.5	15.8	15.4
Mean	18.4	18.8	18.1	16.6	15.1	13.7	12.5	12.0	12.3	13.2	14.8	16.8	15.2

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	43.0	14.0	10.0	38.0	68.2	153.5	340.7	105.9	59.0	84.0	18.0	1.3	935.6
1932	22.2	5.6	28.9	93.7	49.6	210.1	256.6	90.5	42.7	9.0	28.4	28.2	865.5
1933	15.0	54.7	47.0	92.0	96.1	79.0	44.0	104.0	88.0	71.0	17.0	27.0	714.3
1934	15.0	23.0	62.0	123.0	122.0	170.0	24.9	68.0	31.0	15.0	21.0	11.0	685.9
1935	13.0	33.0	42.0	34.0	118.5	116.3	79.0	144.0	159.4	60.0	15.0	45.0	859.2
1936	40.0	23.0	32.0	87.0	226.0	106.0	117.0	89.0	42.0	16.2	13.0	14.0	805.2
1937	1.0	11.0	34.0	31.0	125.0	44.0	54.0	161.0	61.0	34.0	7.0	21.0	534.0
1938	3.3	1.1	39.8	96.3	151.1	125.2	126.6	61.9	25.6	49.0	19.0	18.0	711.9
1939	11.4	46.0	24.0	39.8	119.5	219.0	46.4	91.0	127.1	112.8	25.8	97.6	960.4
1940	9.8	27.3	37.7	132.9	153.8	171.2	182.5	19.6	37.9	68.8	98.8	92.2	1032.5
Mean	17.4	23.9	35.7	74.8	123.0	139.4	127.2	93.5	67.4	52.0	26.3	35.0	81.6

## ISLA GUAFO, CHILE

Lat. 43°34' S. Long. 74°45' W. H = 140 m.

PRESSURE AT SEA LEVEL \*

Means of  $\frac{1}{3}(7^h+13^h+18^h)$ , 75th meridian W.  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.8	10.0	13.4	10.2	14.9	7.8	7.7	11.6	16.7	11.8	13.5	12.5	11.7
1932	11.8	11.7	11.9	5.9	13.5	3.7	6.3	11.5	12.7	12.2	12.9	13.0	10.6
1933	8.8	9.9	11.5	10.2	10.4	8.4	11.4	7.9	13.4	12.3	13.4	9.6	10.6
1934	11.2	13.7	9.8	13.5	6.8	3.2	9.2	12.5	13.1	16.1	15.2	14.0	11.5
1935	12.0	11.9	10.4	13.0	4.5	4.1	11.9	9.6	12.8	13.3	10.8	8.6	10.3
1936	11.4	13.0	10.1	7.7	4.5	7.0	6.2	12.2	10.4	14.4	15.5	8.0	10.1
1937	13.3	7.4	9.6	12.3	9.8	6.8	9.3	9.1	16.6	16.9	10.0	14.5	11.3
1938	11.8	14.6	10.0	14.7	5.9	7.0	8.1	13.6	12.0	13.1	10.0	12.5	11.1
1939	9.3	11.0	11.7	14.5	5.3	5.0	9.9	6.2	13.6	8.6	13.8	13.1	10.2
1940	11.5	9.2	11.2	6.8	6.1	5.7	4.6	15.5	13.0	15.1	11.5	9.9	10.0
Mean	11.1	11.2	11.0	10.9	8.2	5.9	8.5	11.0	13.4	13.4	12.7	11.6	10.7

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.Means of  $\frac{1}{4}(7^h+18^h+Max.+Min.)$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.6	14.1	12.2	10.8	8.5	8.2	6.9	7.1	7.3	8.4	9.6	11.2	9.8
1932	12.5	12.4	12.1	10.7	9.2	8.9	8.0	7.4	7.3	8.3	9.2	10.2	9.7
1933	12.1	12.0	10.5	10.2	8.7	7.7	6.7	7.6	7.0	7.6	9.1	11.1	9.2
1934	12.7	11.9	11.2	10.3	8.5	7.0	6.9	6.9	8.3	7.6	9.5	10.8	9.3
1935	13.6	12.2	11.8	10.6	10.3	8.2	6.8	8.1	7.2	8.9	10.0	10.6	9.9
1936	11.3	12.3	11.5	10.7	8.5	7.5	7.9	7.1	7.2	7.6	9.7	10.2	9.3
1937	11.4	11.5	10.1	9.4	8.2	7.9	7.1	6.9	7.1	8.7	9.1	10.0	9.0
1938	11.1	12.0	10.6	8.5	9.2	7.9	7.2	6.6	7.5	8.4	10.2	11.7	9.2
1939	12.3	12.5	11.5	9.9	8.6	9.1	8.4	9.0	8.1	9.2	9.7	12.6	10.1
1940	13.0	14.1	11.8	10.1	8.6	8.6	8.5	7.0	7.7	9.7	9.4	10.1	9.9
Mean	12.4	12.5	11.3	10.1	8.8	8.1	7.4	7.4	7.5	8.4	9.6	10.8	9.5

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	77.9	65.7	104.9	145.1	93.8	137.4	96.7	141.7	36.8	131.8	67.3	70.6	1169.7
1932	78.7	72.0	141.7	197.5	115.6	124.4	169.4	93.9	107.1	104.0	65.7	91.5	1361.5
1933	97.1	165.7	81.0	36.6	138.6	159.7	102.7	100.8	47.4	34.2	51.6	62.7	1083.1
1934	41.3	46.1	66.5	45.2	84.6	121.4	53.6	53.2	35.8	35.1	31.5	41.7	656.0
1935	41.5	70.6	86.1	61.6	187.0	111.5	72.3	99.3	51.9	79.6	143.9	113.3	1118.6
1936	32.0	59.2	110.8	122.5	219.5	159.8	195.9	154.7	202.1	68.5	62.0	148.4	1535.4
1937	23.9	124.2	116.4	183.8	188.0	199.8	184.2	152.8	41.1	70.0	151.0	61.1	1496.3
1938	49.2	60.5	137.5	97.1	142.8	126.8	156.5	150.5	167.7	84.8	95.3	55.1	1323.8
1939	87.1	92.2	64.0	87.8	221.3	224.5	186.2	270.8	78.6	115.1	38.3	70.1	1536.0
1940	137.9	111.1	111.4	133.8	162.0	175.7	146.7	95.0	116.4	82.1	59.4	47.4	1378.9
Mean	66.7	86.7	102.0	111.1	155.3	154.1	136.4	131.3	89.1	80.5	76.6	76.2	1266.0

\* See NOTES, p. 56.



ISLOTES DE LOS EVANGELISTAS, CHILE

Lat. 52°24' S. Long. 75°36' W. H<sub>b</sub> = 55 m.\*

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ , 75th meridian W.  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	105.7	101.1	105.5	105.4	106.7	105.6	103.0	104.0	113.4	101.9	108.3	103.9	105.4
1932	99.3	103.5	102.3	97.3	107.5	103.0	104.9	109.2	100.5	104.5	100.4	101.9	102.9
1933	104.4	101.1	99.9	99.3	101.6	99.8	102.4	102.0	104.8	103.8	101.4	106.1	102.2
1934	97.9	109.1	101.0	108.7	98.8	102.1	95.7	99.6	112.9	106.2	110.9	106.6	104.1
1935	102.7	101.7	92.6	105.9	99.1	92.9	105.9	103.4	108.7	111.9	97.6	97.9	101.8
1936	99.6	105.8	102.4	102.4	103.3	99.8	97.1	109.1	100.8	106.3	106.4	93.4	102.2
1937	107.4	97.6	98.2	99.3	103.2	97.8	103.7	106.8	104.8	110.9	101.5	105.9	103.0
1938	102.9	102.2	100.7	105.8	97.4	101.5	97.8	104.0	104.2	97.7	102.7	100.1	101.5
1939	99.7	102.5	103.3	106.9	104.1	103.1	104.7	105.9	107.2	99.4	108.3	112.2	104.8
1940	99.4	104.6	100.9	95.6	97.1	102.0	97.0	105.7	105.5	110.3	102.7	100.6	101.8
Mean	101.9	102.9	100.8	102.8	101.8	100.8	101.2	105.2	106.3	105.3	104.0	102.9	103.0

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of  $\frac{1}{4}(7^h + 18^h + \text{Max.} + \text{Min.})$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.6	9.8	8.6	8.0	6.7	5.2	4.2	5.1	4.4	5.6	6.3	7.4	6.8
1932	8.4	8.4	8.1	7.3	7.2	5.6	4.2	5.5	6.4	7.3	7.7	8.4	7.0
1933	10.6	9.8	9.8	8.7	7.9	5.9	6.0	6.1	6.6	7.3	7.9	10.2	8.1
1934	11.0	10.7	9.9	9.5	7.8	5.5	5.3	6.3	7.1	8.1	9.6	9.9	8.4
1935	...	...	...	...	...	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	140.8	238.7	200.8	124.0	172.6	119.4	217.6	171.4	147.1	203.5	118.1	150.8	2004.8
1932	225.8	163.0	375.0	330.3	211.4	99.5	134.6	178.2	255.8	197.5	314.6	267.1	2752.3
1933	217.7	214.8	416.3	317.2	182.8	138.7	246.5	148.8	136.7	215.5	206.0	149.2	2590.2
1934	351.2	151.1	167.0	223.5	333.8	156.8	403.3	236.5	76.8	109.8	103.0	152.7	2465.5
1935	221.7	202.5	403.6	211.8	345.9	246.5	159.1	184.8	194.8	131.0	145.4	143.3	2590.4
1936	187.7	169.5	190.5	349.6	128.7	400.6	256.6	167.2	178.7	185.9	186.6	134.9	2536.5
1937	226.3	152.3	244.2	261.0	129.5	209.8	173.7	70.6	393.0	191.6	208.1	256.3	2516.4
1938	169.2	308.9	272.5	264.9	260.4	187.0	218.3	201.2	215.7	275.5	130.2	324.7	2828.5
1939	268.4	211.6	283.7	239.3	102.8	200.2	102.0	114.8	113.4	229.0	103.7	107.9	2076.8
1940	200.4	106.8	276.7	263.6	243.9	176.6	245.8	369.3	315.4	182.7	227.6	213.1	2821.9
Mean	220.9	191.9	283.0	258.5	211.2	193.5	215.7	184.3	202.7	192.2	174.3	190.0	2518.2

\* A value of + 6.8 mb. was added to observed pressure to reduce to sea level.

## LA SERENA, CHILE

Lat. 29°54' S. Long. 71°15' W.

TOTAL PRECIPITATION IN MILLIMETERS. hr = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.0	0.5	0.0	29.6	0.0	10.5	23.6	10.2	20.7	2.8	9.1	0.0	107.0
1932	0.0	0.0	*0.0	2.5	21.2	63.6	5.3	25.3	0.0	0.3	2.7	1.6	122.5
1933	0.2	0.1	0.0	0.5	18.9	19.9	9.4	0.3	2.3	0.7	0.0	0.0	52.3
1934	0.0	0.0	0.1	0.0	86.5	45.1	1.1	35.1	6.8	4.3	0.6	0.3	179.9
1935	1.1	0.1	0.3	0.0	0.4	22.5	35.8	3.8	0.0	6.6	0.1	0.0	70.7
1936	0.1	0.0	0.0	0.3	8.2	7.0	29.4	7.2	4.1	4.5	0.1	0.0	60.9
1937	0.4	0.0	0.0	0.0	0.0	36.0	25.7	25.8	5.2	0.2	0.0	1.8	95.1
1938	0.0	0.0	*0.0	0.0	95.4	11.4	6.3	0.0	0.0	0.9	0.5	0.0	114.5
1939	*0.0	*0.0	*0.0	0.8	0.2	52.2	6.1	0.0	0.4	42.1	0.2	17.2	119.2
1940	0.0	0.0	0.0	0.2	14.3	68.9	65.9	28.5	0.4	0.5	0.0	0.0	178.7
<b>Mean</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>3.4</b>	<b>24.5</b>	<b>33.7</b>	<b>20.9</b>	<b>13.6</b>	<b>4.0</b>	<b>6.3</b>	<b>1.3</b>	<b>2.1</b>	<b>110.0</b>

\* Amount too small to measure.

## PUNTA ARENAS (MAGALLANES), CHILE

Lat. 53°10' S. Long. 70°54' W. H<sub>b</sub> = 8 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ , 75th meridian W.

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	100.2	96.2	100.6	102.6	103.1	103.1	98.9	100.5	107.1	97.0	102.6	98.3	100.9
1932	96.1	89.9	100.5	95.9	104.5	102.8	103.8	107.8	97.6	100.5	94.4	95.8	100.0
1933	101.4	97.7	96.9	98.6	100.8	99.3	102.7	100.9	103.7	101.1	99.6	102.4	100.4
1934	96.0	105.9	97.7	105.5	97.2	102.9	93.2	98.6	110.3	102.8	107.9	100.8	101.6
1935	99.1	99.0	88.9	103.6	98.0	92.9	102.9	106.0	105.4	110.6	95.0	95.5	99.7
1936	96.9	103.1	98.5	101.7	101.5	99.1	98.5	107.4	98.9	103.5	102.8	92.0	100.3
1937	103.1	95.9	95.1	97.8	101.3	96.0	102.4	107.4	103.3	108.2	99.0	101.7	100.9
1938	97.7	97.7	98.3	103.0	98.8	100.3	97.4	100.8	103.1	95.8	100.3	99.6	99.4
1939	98.6	99.1	100.6	104.5	104.1	104.5	103.4	106.1	104.0	99.5	103.6	109.0	103.1
1940	96.4	104.2	99.0	95.1	95.3	101.9	98.2	104.0	105.4	108.9	100.6	95.9	100.4
Mean	98.6	99.9	97.6	100.8	100.5	100.3	100.1	104.0	103.9	102.8	100.6	99.1	100.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.Means of  $\frac{1}{4}(7^h + 18^h + \text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	12.8	10.8	9.3	7.1	5.2	2.9	1.8	3.8	4.3	6.7	8.7	10.0	7.0
1932	10.9	10.9	8.7	5.9	5.7	2.1	1.2	2.7	4.6	7.5	8.2	9.1	6.5
1933	10.9	10.0	9.3	6.3	4.4	2.7	2.9	2.7	5.4	6.4	7.8	9.6	6.5
1934	11.2	9.5	8.0	7.2	4.2	2.2	2.4	3.9	4.9	8.2	8.4	9.4	6.6
1935	10.7	9.8	8.4	5.9	4.6	2.9	1.3	3.4	3.9	6.3	8.3	9.3	6.3
1936	11.0	11.1	8.9	7.2	2.4	3.4	3.2	3.2	4.7	6.3	10.0	9.8	6.8
1937	10.8	8.8	7.8	7.0	3.4	2.3	1.3	1.6	5.6	7.5	8.7	11.2	6.3
1938	10.4	10.5	8.4	7.8	5.5	2.9	2.5	2.8	4.1	7.1	8.6	11.2	6.8
1939	10.7	10.4	8.7	6.7	2.9	2.2	2.1	1.5	4.6	6.1	7.5	11.0	6.2
1940	10.7	11.8	9.2	5.6	4.0	2.3	2.7	4.1	4.5	6.9	9.4	9.0	6.7
Mean	11.0	10.4	8.7	6.7	4.2	2.6	2.1	3.0	4.7	6.9	8.6	10.0	6.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	13.8	22.3	30.3	17.1	10.5	42.2	19.2	12.1	14.4	26.5	12.8	39.9	261.1
1932	28.0	7.0	79.1	90.6	36.2	70.2	72.2	27.4	50.0	5.9	33.2	37.7	557.5
1933	40.8	80.9	9.5	70.0	27.0	92.1	26.7	38.2	14.0	72.6	15.0	13.5	500.3
1934	59.1	8.3	10.4	32.5	79.2	56.4	45.5	35.0	18.7	16.3	18.2	27.9	407.3
1935	73.2	53.1	43.5	36.5	32.3	28.4	39.1	35.3	10.2	43.0	28.5	66.9	540.0
1936	16.5	18.8	35.5	40.9	16.4	13.3	34.5	10.4	7.5	19.7	6.5	10.8	230.8
1937	4.8	6.9	10.6	26.7	6.3	17.1	25.3	50.3	18.3	9.0	5.0	9.0	189.3
1938	4.0	7.0	15.0	31.0	37.0	51.0	15.0	13.0	19.0	47.0	40.0	10.0	379.0
1939	124.0	45.4	83.3	21.4	46.0	42.0	21.4	49.9	36.2	29.0	8.6	21.2	523.4
1940	26.4	43.3	20.0	35.6	53.7	37.0	73.4	31.8	72.4	17.9	53.8	34.7	500.0
Mean	39.1	29.3	33.7	40.2	39.5	45.0	37.2	30.3	26.1	28.7	22.2	38.2	409.4

\* See NOTES, p. 56.

## PUNTA GALERA, CHILE

Lat. 40°1' S. Long. 73°44' W.  $H_0 = 40$  m.\*

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ , 75th meridian W.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.7	14.3	18.7	15.5	20.2	15.1	14.6	17.4	20.9	18.9	17.9	15.1	16.9
1932	16.7	15.5	16.6	14.1	18.9	10.7	13.4	16.9	19.8	18.5	18.4	17.7	16.4
1933	14.8	15.9	16.7	16.5	16.7	16.7	18.7	16.4	19.6	18.0	19.0	16.1	17.1
1934	16.5	18.1	16.7	18.0	14.0	11.4	18.8	19.8	17.7	21.0	18.9	17.9	17.4
1935	16.6	17.3	16.9	18.1	13.0	13.7	18.2	16.8	18.7	18.3	17.8	16.0	16.8
1936	15.9	16.9	15.3	15.0	12.5	14.6	15.2	18.3	18.6	19.5	18.4	15.8	16.3
1937	16.2	15.0	16.6	18.1	16.1	15.3	16.6	15.2	20.8	21.0	17.9	17.8	17.2
1938	17.6	18.5	15.9	19.1	14.0	15.3	16.8	20.7	19.9	20.5	17.0	18.0	17.8
1939	15.8	15.6	16.4	20.1	12.1	13.1	17.2	14.1	18.6	16.0	18.9	16.6	16.1
1940	16.9	14.1	17.1	15.1	12.8	13.2	13.1	21.1	18.3	18.3	17.5	15.9	16.1
Mean	16.2	16.1	16.7	17.0	15.0	13.9	16.3	17.7	19.3	19.0	18.2	16.7	16.8

TEMPERATURE IN DEGREES C.  $h_t = 1.50$  m.Means of  $\frac{1}{4}(7^h + 18^h + \text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	15.4	14.9	13.8	11.4	9.3	9.6	8.4	8.5	8.8	10.2	11.5	13.1	11.3
1932	13.6	13.6	12.9	11.6	10.5	10.9	9.9	8.6	9.4	10.5	10.9	12.0	11.2
1933	13.8	13.9	12.1	11.2	10.3	9.4	7.7	9.1	9.2	10.0	11.2	13.8	11.0
1934	14.4	12.8	12.9	11.0	10.1	9.2	7.9	8.6	10.4	10.0	11.8	12.6	11.0
1935	14.3	14.2	13.9	12.2	12.9	10.9	9.4	9.9	...	...	...	12.6	...
1936	12.4	12.3	12.7	12.4	10.3	9.1	9.4	8.4	8.9	9.6	11.0	12.8	10.8
1937	12.9	13.1	11.7	10.5	10.7	9.9	9.8	9.2	9.7	10.4	10.9	11.4	10.9
1938	12.8	13.4	12.8	10.4	10.0	8.4	8.3	7.5	8.3	9.4	11.5	12.9	10.5
1939	13.6	12.6	12.4	9.8	10.5	10.2	10.1	10.5	10.0	10.8	11.3	12.8	11.2
1940	13.8	13.3	12.7	11.6	10.5	10.4	10.1	8.4	9.5	11.2	11.1	12.1	11.2
Mean	13.7	13.4	12.8	11.2	10.5	9.8	9.0	8.9	9.4	10.2	11.2	12.6	11.0

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	72.4	38.0	9.7	150.0	145.0	220.3	285.6	240.2	88.4	133.7	71.0	30.3	1484.6
1932	57.7	49.8	149.3	278.6	111.2	272.9	339.0	282.6	213.6	118.2	77.8	37.8	1938.5
1933	119.6	58.3	157.2	191.1	184.8	266.0	151.7	269.9	92.7	107.4	102.7	131.8	1833.2
1934	82.1	70.8	168.5	55.5	178.4	396.0	318.0	179.2	134.5	100.3	19.0	59.7	1762.0
1935	66.0	98.8	87.5	69.2	360.6	395.1	123.5	217.9	126.5	146.5	135.5	119.8	1946.9
1936	48.7	27.0	97.8	255.0	431.3	245.8	328.6	230.3	160.6	35.6	26.2	249.5	2136.4
1937	0.6	102.7	155.5	43.1	191.2	251.3	432.4	305.5	57.0	135.4	186.4	74.0	1935.1
1938	49.0	10.8	125.1	131.7	255.4	313.7	395.4	268.6	306.2	185.4	87.1	21.5	2149.9
1939	152.0	84.7	72.2	79.8	453.4	412.6	164.0	247.3	92.6	237.2	29.2	44.9	2089.9
1940	79.3	109.7	25.2	41.8	151.6	151.4	224.6	154.8	128.6	92.2	118.9	90.1	1371.2
Mean	72.7	65.1	104.8	129.6	246.6	292.5	276.3	239.6	140.1	129.2	85.4	85.9	1867.8

\* A value of + 5.0 mb. was added to observed pressures to reduce to sea level.

## PUNTA TORTUGA, CHILE

Lat. 29°55' S. Long. 71°22' W. H<sub>b</sub> = 25 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ , 75th meridian W.  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.6	10.4	11.3	11.9	14.5	14.6	15.2	15.5	15.4	13.3	13.1	11.1	13.0
1932	11.6	10.9	12.1	11.9	13.8	13.6	13.9	14.9	14.8	14.4	13.0	12.4	13.1
1933	11.2	11.0	11.4	12.9	14.3	14.8	16.4	16.0	15.1	14.5	14.0	12.9	13.7
1934	11.6	13.3	11.9	13.4	14.1	14.9	15.3	15.4	14.6	15.8	13.6	13.2	13.9
1935	11.7	13.5	11.7	12.5	13.5	15.5	14.9	15.6	15.2	14.8	13.4	11.7	13.7
1936	10.8	12.4	11.5	12.6	13.6	15.7	14.9	15.4	14.7	14.4	13.2	12.2	13.5
1937	10.3	11.5	10.5	12.8	14.0	14.2	14.4	14.7	16.5	14.6	13.3	12.2	13.3
1938	12.1	11.2	11.6	13.2	13.2	14.7	15.3	15.4	14.3	14.2	12.4	11.4	13.3
1939	10.4	10.6	11.2	12.5	13.1	13.6	13.9	12.7	14.3	13.1	12.3	12.0	12.5
1940	11.4	10.4	10.8	12.0	12.5	13.3	13.7	14.2	13.3	13.6	12.6	11.1	12.4
Mean	11.2	11.5	11.4	12.6	13.7	14.5	14.8	15.0	14.8	14.3	13.1	12.0	13.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.Means of  $\frac{1}{4}(7^h + 18^h + \text{Max.} + \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	18.6	19.1	17.4	15.8	13.2	13.0	11.8	11.9	12.3	14.2	14.8	16.6	14.9
1932	17.2	17.8	16.8	15.4	13.7	13.6	13.6	12.8	12.5	13.6	14.8	15.8	14.8
1933	18.0	17.5	16.0	14.3	13.6	12.3	11.1	12.2	12.5	13.9	14.8	16.8	14.4
1934	17.6	17.1	15.7	13.6	13.8	13.3	11.2	12.0	12.4	13.2	14.6	15.7	14.2
1935	16.9	17.8	16.6	14.8	13.9	12.8	11.6	12.0	12.4	13.6	15.2	16.5	14.5
1936	17.1	17.8	17.0	16.0	13.8	12.2	12.3	12.0	13.2	13.5	15.1	16.8	14.7
1937	17.3	17.9	16.0	14.1	13.4	12.7	12.1	12.5	12.9	14.0	14.8	16.0	14.5
1938	17.0	17.7	16.8	14.4	13.3	12.1	12.0	11.2	12.1	13.2	14.2	16.0	14.2
1939	17.5	17.8	16.7	14.3	13.6	12.9	11.9	13.3	13.6	14.4	15.1	16.7	14.8
1940	17.5	17.3	15.6	13.5	13.5	13.4	13.1	12.4	12.3	14.1	15.3	16.9	14.6
Mean	17.5	17.8	16.5	14.6	13.6	12.8	12.1	12.2	12.6	13.8	14.9	16.4	14.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.0	*0.0	0.0	28.8	0.0	10.2	19.1	19.3	19.8	1.4	5.5	0.0	104.1
1932	0.0	0.0	0.0	3.2	21.5	65.2	4.4	19.8	0.0	0.6	0.5	1.5	116.7
1933	*0.0	0.0	0.0	*0.0	14.0	14.0	6.4	*0.0	0.0	0.0	0.0	0.0	34.4
1934	0.0	0.0	0.0	0.0	66.8	42.7	1.8	8.0	3.6	2.4	0.0	0.0	125.3
1935	0.0	0.0	0.0	0.0	0.9	40.9	30.7	4.9	0.0	2.6	0.0	0.0	80.0
1936	0.0	0.0	0.0	0.0	13.5	10.8	47.3	14.0	0.8	3.2	0.0	0.0	89.6
1937	0.6	0.0	0.0	0.0	0.0	28.5	17.6	28.4	2.0	0.0	0.0	0.0	77.1
1938	0.0	0.0	0.0	0.0	61.2	13.5	7.5	0.0	0.0	0.8	0.0	0.0	83.0
1939	0.0	0.0	*0.0	1.1	1.1	34.2	8.8	0.0	2.2	38.1	0.0	19.9	105.4
1940	0.0	0.0	0.0	0.0	9.1	53.5	68.7	25.0	0.6	0.0	0.0	0.0	156.9
Mean	0.1	0.0	0.0	3.3	18.8	31.3	21.2	11.9	2.9	4.9	0.6	2.1	97.1

\* Amount too small to measure.

## SANTIAGO, CHILE

Lat. 33°27' S. Long. 70°42' W. H<sub>n</sub> = 520 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(7^h + 13^h + 18^h)$ ,\* 75th meridian W.  
900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	52.6	52.3	53.5	54.4	57.7	57.2	57.9	57.8	57.7	56.1	55.2	53.1	55.5
1932	52.9	52.6	53.9	54.2	56.2	55.5	56.1	57.0	57.7	56.5	54.5	53.6	55.1
1933	52.8	53.1	53.5	54.7	56.4	57.3	58.5	58.1	56.8	55.9	55.3	54.7	55.6
1934	53.0	54.3	53.8	54.7	55.7	57.2	58.3	57.8	56.7	57.9	55.1	54.3	55.7
1935	53.0	54.7	53.5	54.8	55.6	57.0	57.0	57.5	57.5	56.5	54.5	53.3	55.5
1936	51.8	53.7	53.4	55.1	55.5	57.4	57.0	57.4	57.3	56.2	54.4	54.2	55.3
1937	52.1	54.1	53.2	55.0	57.0	57.0	57.5	57.0	58.7	56.8	55.8	53.1	55.6
1938	53.9	53.7	54.6	56.1	55.8	57.6	58.3	58.7	57.7	56.7	54.7	53.4	55.9
1939	52.8	53.1	53.0	54.9	55.8	56.0	56.4	55.6	56.8	55.5	54.5	53.6	54.8
1940	53.6	53.0	53.7	55.0	55.5	56.0	56.1	57.3	56.1	55.8	54.8	53.4	55.0
Mean	52.9	53.5	53.6	54.9	56.1	56.9	57.3	57.4	57.3	56.4	54.9	53.7	55.4

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.Means of  $\frac{1}{4}(7^h + 18^h + \text{Max.} + \text{Min.})$ \*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	20.6	20.5	18.5	13.8	9.4	9.0	7.0	8.8	10.7	15.7	15.7	21.2	14.2
1932	21.2	20.4	17.4	14.0	10.8	9.2	9.5	8.5	10.9	14.0	16.5	18.7	14.3
1933	20.2	19.9	17.2	14.0	10.7	8.2	6.0	9.8	10.9	14.0	17.3	18.8	13.9
1934	20.9	19.0	16.8	13.3	10.9	8.3	7.6	9.8	11.3	12.7	16.3	18.5	13.8
1935	21.1	19.3	18.3	14.0	12.1	7.3	6.1	9.9	10.0	11.8	18.0	19.2	13.9
1936	20.7	19.2	16.8	14.9	10.5	7.9	8.0	8.3	11.7	14.3	17.0	19.4	14.1
1937	20.6	19.6	17.5	14.0	11.7	8.3	7.7	9.7	10.8	14.3	16.0	20.0	14.2
1938	19.1	19.6	16.5	12.1	9.7	7.9	7.6	7.7	11.8	14.2	17.4	20.4	13.7
1939	21.2	19.4	17.7	14.0	10.5	9.3	8.6	11.1	12.7	14.0	16.7	19.3	14.5
1940	20.8	19.6	17.1	14.7	11.8	9.3	9.5	9.4	11.7	15.2	16.2	19.3	14.6
Mean	20.6	19.7	17.4	13.9	10.8	8.5	7.8	9.3	11.3	14.0	16.7	19.5	14.1

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	10.7	0.4	0.0	6.6	20.6	47.2	100.8	63.4	44.2	0.0	27.3	0.0	321.2
1932	0.0	0.6	0.1	7.0	43.3	66.2	90.9	105.6	20.2	1.4	0.0	15.7	351.0
1933	41.1	16.0	0.2	0.1	64.7	81.9	30.6	54.7	21.4	5.4	0.0	0.0	316.1
1934	0.0	0.0	1.1	0.0	267.8	146.0	29.8	8.7	13.8	44.0	7.9	0.1	519.2
1935	0.0	0.0	0.0	3.2	22.2	86.4	37.1	29.0	29.5	45.1	0.0	0.0	252.5
1936	0.0	0.0	0.0	16.8	133.6	64.7	76.2	61.8	11.2	0.0	1.5	11.5	377.3
1937	0.0	†0.0	†0.0	0.1	42.1	69.0	94.9	70.6	49.2	16.5	3.8	0.0	346.2
1938	0.0	9.9	29.4	8.8	45.8	59.0	29.7	1.4	0.5	11.9	5.6	0.0	202.0
1939	3.3	0.0	†0.0	0.0	70.5	89.0	15.4	39.0	17.6	40.8	2.4	44.6	322.6
1940	0.0	13.7	0.0	18.2	17.9	84.4	148.0	21.2	22.7	4.1	9.5	0.0	339.7
Mean	5.5	4.1	3.1	6.1	72.8	79.4	65.3	45.5	23.0	16.9	5.8	7.2	334.8

\* See NOTES, p. 56.

† Amount too small to measure.

## VALDIVIA, CHILE

Lat. 39°48' S. Long. 73°14' W.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.50$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	69.3	21.9	52.8	193.5	181.6	336.9	396.4	351.0	125.6	181.6	74.7	34.2	2019.5
1932	69.3	94.5	102.9	527.0	123.1	585.8	551.9	412.8	266.4	194.9	87.6	59.6	3075.8
1933	206.9	77.1	209.6	190.7	212.2	444.9	208.5	364.4	108.0	171.9	146.4	140.7	2481.3
1934	74.9	72.6	203.8	71.0	298.2	552.8	255.8	164.6	210.1	132.0	20.2	47.8	2103.8
1935	36.6	76.5	119.8	104.0	452.1	262.8	75.2	247.0	202.3	144.6	178.7	183.8	2083.4
1936	164.2	33.4	78.9	233.9	580.3	411.5	485.9	289.1	221.6	110.1	31.1	291.9	2931.9
1937	4.0	148.7	197.0	67.8	326.1	475.0	443.2	406.2	116.0	45.4	200.7	25.3	2455.4
1938	42.0	6.7	86.1	97.8	293.4	557.3	392.9	211.4	249.8	157.8	113.5	33.1	2241.8
1939	92.9	117.8	26.4	88.1	539.0	462.0	229.3	307.6	210.4	208.7	30.4	32.7	2345.3
1940	47.5	162.4	55.8	328.1	588.0	470.2	541.9	124.4	155.6	120.3	133.6	167.9	2895.7
Mean	80.8	81.2	113.3	190.2	359.4	455.6	358.1	237.8	186.6	146.7	101.2	101.2	2462.1

## BOGOTÁ, COLOMBIA

Lat. 4°36' N. Long. 74°5' W. H = 2,665 m.

TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	25.7	76.7	18.5	63.4	72.3	71.8	93.1	22.3	69.7	51.6	175.1	86.7	326.9
1932	110.7	57.6	39.5	84.4	120.9	46.8	53.0	17.1	92.1	186.4	216.6	78.2	1103.3
1933	20.0	25.2	100.9	196.2	123.3	89.2	28.4	48.7	59.0	133.2	232.1	177.7	1233.9
1934	42.7	66.3	118.1	37.0	125.7	49.3	56.0	33.4	43.2	141.7	154.2	51.0	918.6
1935	95.4	110.3	132.4	127.8	77.0	85.5	74.9	73.0	74.3	123.1	317.7	13.9	1305.3
1936	56.5	34.9	98.6	56.5	119.8	73.6	43.3	70.9	37.1	145.7	84.1	154.9	975.9
1937	93.5	54.7	61.7	49.5	100.7	37.3	62.7	30.3	83.1	129.2	151.8	44.6	899.1
1938	95.3	23.0	169.4	175.2	136.9	36.3	60.2	43.4	37.4	245.4	148.6	99.3	1270.4
1939	22.7	1.6	93.8	47.6	84.4	42.8	54.4	41.7	28.5	162.5	82.2	63.5	726.4
1940*	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	62.5	50.0	92.5	93.1	106.8	59.2	58.4	42.3	58.3	146.5	173.6	85.5	†1028.7

\* No observations after 1939; the location of the station was changed.

† Sum of 12 monthly means.

## QUITO, ECUADOR

Lat. 0°13' S. Long. 78°30' W. H<sub>b</sub> = 2,819 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours, 75th meridian W.  
540 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	7.7	7.6	8.4	8.2	8.6	8.7	8.2	8.2	8.1	8.0	7.6	7.4	8.1
1932	7.8	7.7	7.8	7.8	8.2	7.4	7.6	7.8	7.9	7.7	7.5	7.3	7.7
1933	7.1	7.5	7.2	7.2	7.7	7.6	7.4	7.8	7.3	6.9	6.8	6.9	7.3
1934	6.5	7.4	6.7	7.2	7.4	7.4	7.2	7.5	7.0	7.5	6.8	6.7	7.1
1935	7.5	7.8	7.6	7.9	8.1	8.0	7.9	7.9	7.6	7.8	7.6	7.4	7.8
1936	5.9	6.9	6.7	7.1	6.9	7.1	6.9	6.7	7.0	6.8	6.4	6.4	6.7
1937	5.9	6.9	6.3	7.0	7.3	7.2	7.0	6.9	7.4	7.2	6.7	6.3	6.8
1938	6.6	6.9	6.9	7.3	7.1	7.2	7.2	6.9	7.0	7.1	6.5	6.4	6.9
1939	6.4	6.4	6.4	6.8	7.0	7.0	6.8	6.3	7.0	6.5	6.2	6.9	6.6
1940	6.7	6.6	6.5	7.0	7.0	7.1	6.9	6.8	6.6	7.1	6.4	7.0	6.8
Mean	6.8	7.2	7.0	7.3	7.5	7.5	7.3	7.3	7.3	7.3	6.8	6.9	7.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.80 m.

Means of 24 values

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.8	13.8	13.8	13.9	13.3	13.3	12.4	13.8	13.6	13.4	12.7	13.0	13.4
1932	12.8	13.4	12.3	13.1	12.9	12.7	12.9	12.7	13.0	12.7	12.1	12.8	12.8
1933	12.7	12.7	12.9	12.6	13.1	12.3	12.8	12.5	12.9	11.8	12.2	11.8	12.5
1934	12.1	11.6	11.9	12.8	12.7	12.5	12.6	12.9	13.4	12.1	12.6	13.0	12.5
1935	13.3	12.4	13.3	13.3	13.0	12.5	13.2	12.8	13.6	12.7	12.6	13.5	13.0
1936	13.8	13.6	13.4	12.9	13.5	12.9	13.4	13.7	13.3	13.3	13.7	13.4	13.4
1937	13.6	13.0	13.7	13.6	13.0	12.7	13.2	13.7	12.9	13.6	13.0	13.9	13.3
1938	13.4	13.9	12.6	12.5	12.7	12.8	12.3	12.4	13.1	12.8	13.0	12.6	12.8
1939	13.2	12.9	13.1	13.2	13.0	12.7	13.1	13.8	13.0	12.8	13.5	13.4	13.1
1940	13.0	13.6	13.7	14.0	13.6	13.7	13.7	14.2	13.8	13.2	13.0	14.2	13.6
Mean	13.2	13.1	13.1	13.2	13.1	12.8	13.0	13.2	13.3	12.8	12.8	13.2	13.1

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	74	102	176	206	131	72	28	2	54	134	62	139	1180
1932	109	116	204	224	200	36	42	73	92	99	151	119	1465
1933	295	89	153	180	78	67	10	45	108	149	87	113	1374
1934	14	174	278	176	152	93	62	35	69	231	151	76	1511
1935	138	152	165	142	121	57	38	22	119	165	137	57	1313
1936	52	131	101	152	136	92	19	18	55	99	48	66	969
1937	55	169	161	100	106	47	5	32	165	47	124	164	1175
1938	184	175	106	249	228	40	9	57	41	117	36	161	1403
1939	72	72	176	119	133	69	25	5	144	191	73	74	1153
1940	122	63	122	120	121	45	6	0	111	158	111	79	1058
Mean	111	124	164	167	141	62	24	29	96	139	98	105	1260



## ASUNCIÓN, PARAGUAY\*

Lat. 25°16' S. Long. 57°38' W. H<sub>s</sub> = 64 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of  $\frac{1}{3}(S^h + 14^h + 20^h)$ , local meridian  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	49.6	50.2	51.7	54.9	55.0	56.7	57.8	56.4	54.4	52.2	52.4	50.2	53.5
1934	51.0	52.4	51.8	56.1	55.0	54.5	57.6	56.8	54.8	55.1	51.8	50.6	54.0
1935	50.9	51.5	51.9	55.5	55.9	54.5	56.2	56.3	54.0	53.0	52.1	49.3	53.4
1936	51.3	51.8	52.8	53.1	52.4	55.9	57.0	56.1	54.3	52.8	52.2	49.6	53.3
1937	50.7	50.6	51.2	55.3	56.7	56.2	56.8	58.2	55.2	55.0	50.8	50.9	54.0
1938	49.9	51.9	51.9	54.6	54.7	56.1	55.9	56.1	55.1	54.0	52.0	50.6	53.6
1939	49.8	51.8	52.8	55.9	53.8	55.0	58.7	55.0	54.8	52.3	51.5	52.4	53.7
1940	51.2	52.0	52.7	53.7	54.5	55.8	55.6	57.3	55.3	55.0	52.0	50.7	53.8
Mean	50.6	51.5	52.1	54.9	54.8	55.6	57.0	56.5	54.7	53.7	51.9	50.5	53.7

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{3}(S^h + 14^h + 20^h)$ , local meridian

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	31.2	28.9	28.2	26.0	22.6	18.7	15.9	22.0	23.2	26.9	26.7	29.2	25.0
1934	29.4	27.4	28.3	21.1	21.3	21.6	18.8	20.2	22.9	23.4	27.7	28.6	24.2
1935	30.0	29.2	29.2	23.4	22.4	21.2	17.9	19.9	20.0	22.7	25.8	28.6	24.2
1936	30.1	27.9	28.4	22.7	23.2	19.5	17.7	17.1	22.6	25.3	26.6	28.9	24.5
1937	29.7	28.0	26.3	21.3	19.4	20.3	19.7	22.4	21.7	23.8	27.2	29.2	24.1
1938	28.9	27.4	27.2	21.6	21.1	19.5	19.1	19.4	22.6	24.2	27.0	29.2	23.9
1939	30.8	28.5	25.6	22.3	22.4	20.8	17.6	21.7	22.1	25.6	25.1	27.2	24.1
1940	27.7	27.9	26.3	24.1	22.6	20.7	21.3	19.1	22.2	23.0	25.6	29.9	24.2
Mean	29.7	28.1	27.4	22.8	21.9	20.3	18.5	20.2	22.2	24.4	26.5	28.9	24.2

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	221.9	126.9	136.6	162.4	137.1	22.5	8.0	2.5	20.5	215.7	67.8	142.3	1264.2
1932	172.1	160.1	182.9	226.1	135.2	63.8	58.5	46.3	155.1	213.4	89.0	121.1	1623.6
1933	144.0	118.7	16.9	76.4	54.8	0.0	0.7	11.6	49.7	150.3	120.5	197.0	940.6
1934	48.6	74.0	138.0	116.4	63.9	42.1	16.2	39.7	42.3	23.9	80.4	87.7	773.2
1935	62.8	130.2	50.9	52.6	22.2	100.2	62.2	81.9	121.5	131.9	245.4	229.5	1291.3
1936	23.1	135.2	48.8	241.8	57.9	263.8	116.8	71.6	76.2	90.7	42.0	170.3	1338.2
1937	25.7	131.7	229.0	144.4	70.8	11.6	16.5	8.3	37.3	29.6	41.1	122.9	869.4
1938	137.9	157.6	142.5	51.4	89.1	75.6	6.1	0.0	38.5	98.0	82.8	28.1	907.6
1939	54.0	89.0	297.0	128.7	156.1	113.0	47.6	83.8	159.5	242.4	213.0	262.5	1846.6
1940	103.7	157.8	181.9	187.8	320.0	81.3	172.6	79.2	30.4	156.0	157.5	127.3	1755.5
Mean	99.4	128.1	142.5	138.8	110.7	77.4	50.5	42.5	73.6	135.2	114.0	148.9	1261.6

\* See NOTES, p. 57.

## VILLA RICA, PARAGUAY

Lat. 25°45' S. Long. 56°26' W. H = 132 m.

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	86.5	225.6	198.4	89.1	30.0	4.0	47.4	169.1	127.8	82.0	...
1932	117.0	133.7	187.8	273.4	147.2	87.3	...	...	185.5	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	54.4	...	52.0	18.0	...	57.2	114.3	123.2	72.5	202.0	...
1935	66.0	128.5	46.0	30.0	145.5	153.0	133.0	117.0	267.7	250.0	...	145.2	...
1936	6.0	47.2	71.0	207.5	...	229.0	205.0	49.8	17.7	63.0	25.2	313.6	...
1937	137.5	104.1	109.5	183.7	160.0	25.0	68.0	49.5	109.0	9.3	174.0	124.0	1253.6
1938	258.0	279.7	153.6	400.0	208.2	169.5	42.5	0.7	48.9	121.0	70.0	42.0	1794.1
1939	118.6	130.8	376.0	158.2	245.7	162.0	69.5	39.6	171.2	122.7	271.5	235.0	2100.8
1940	120.4	138.6	147.3	249.4	274.1	114.6	219.1	105.0	21.8	171.1	212.6	101.6	1875.6
Mean	117.6	137.5	136.9	215.9	178.9	116.4	109.6	52.9	109.3	128.7	136.2	155.7	*1595.6

\* Sum of 12 monthly means.

## LAMBAYEQUE, PERU

Lat. 6°42' S. Long. 79°54' W. H = 16 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 12 daily observations

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.5	56.1	56.2	56.2	57.7	58.7	58.8	59.0	59.4	58.5	58.5	57.3	57.7
1932	57.1	55.7	55.7	55.1	57.2	57.7	57.7	58.4	58.0	58.7	58.4	57.8	57.3
1933	57.3	57.5	57.1	57.8	59.3	59.7	59.8	60.0	58.8	58.7	58.7	58.4	58.6
1934	57.7	58.7	57.2	57.0	57.8	58.3	58.6	59.1	58.7	59.6	59.0	58.7	58.4
1935	58.4	59.3	58.8	58.1	59.4	60.2	60.0	61.0	60.5	60.3	60.4	59.5	59.6
1936	59.0	62.0	61.4	62.0	62.5	63.5	63.1	62.1	62.0	62.0	61.1	61.2	61.8
1937	59.7	60.8	59.7	59.0	57.8	58.4	58.1	58.7	59.5	59.3	58.6	58.0	58.9
1938	58.0	58.1	58.0	58.1	59.0	59.7	59.6	59.7	60.0	60.0	59.0	58.4	58.9
1939	58.2	58.2	58.0	57.8	58.7	59.6	60.0	59.1	60.3	58.2	57.7	57.7	58.6
1940	57.7	57.0	56.5	57.3	57.6	59.1	59.3	58.7	58.3	59.0	58.2	57.4	58.0
Mean	57.9	58.3	57.8	57.8	58.7	59.4	59.5	59.5	59.5	59.4	58.9	58.4	58.7

## TEMPERATURE IN DEGREES C.

Means of 12 daily observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	25.3	25.9	26.8	25.8	21.6	21.2	20.3	19.8	19.9	21.1	21.2	24.1	22.7
1932	26.1	26.9	27.1	26.7	24.5	22.2	19.8	20.5	20.7	21.1	21.6	23.2	23.4
1933	24.3	25.4	25.8	23.3	21.2	19.8	19.5	19.5	19.5	21.5	20.8	22.2	21.7
1934	24.2	25.6	26.2	24.1	22.5	21.7	20.8	20.1	20.4	19.4	19.7	21.1	22.2
1935	23.7	25.6	26.9	25.5	22.7	21.3	20.3	19.4	19.9	20.4	22.1	24.2	22.6
1936	25.9	26.3	26.9	26.3	23.9	20.8	20.4	20.4	21.2	21.8	22.3	22.9	23.3
1937	25.9	28.2	27.9	23.9	20.1	19.4	18.4	17.7	17.1	17.4	18.4	20.6	21.3
1938	22.8	25.1	23.9	21.1	18.5	17.6	16.9	16.9	17.1	17.3	19.1	20.3	19.7
1939	24.3	25.7	25.8	25.3	23.3	22.3	20.8	20.6	20.8	19.8	20.2	22.5	22.6
1940	24.4	24.6	24.5	24.3	22.2	19.7	18.7	17.9	18.1	20.1	21.5	23.5	21.6
Mean	24.7	25.9	26.2	24.6	22.0	20.6	19.6	19.3	19.5	19.8	20.7	22.5	22.1

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.50	15.44	25.32	0.00	0.82	0.00	0.00	0.00	0.25	0.15	0.65	43.13
1932	0.10	9.07	17.29	0.56	0.28	0.00	0.00	1.39	0.00	0.00	0.50	3.27	32.46
1933	1.86	2.06	0.22	3.78	0.12	0.06	0.00	0.00	0.91	0.12	0.00	0.00	9.13
1934	5.52	0.00	12.23	0.27	0.00	0.00	0.00	0.00	0.00	0.73	0.00	1.01	19.76
1935	0.00	0.00	12.56	2.51	0.00	6.95	0.00	0.00	0.00	0.20	0.00	10.50	32.72
1936	5.10	0.70	43.20	0.30	14.20	0.00	0.00	0.00	0.10	0.40	2.00	...	...
1937	0.00	5.20	1.90	0.30	...	0.00	0.00	...	0.20	1.60	0.20	1.20	...
1938	0.30	2.70	11.10	7.70	0.60	...	...	...	...	...	...	...	...
1939	0.00	11.30	0.40	...	1.00	1.50	...	...	0.90	...	...	3.30	...
1940	...	1.37	0.40	9.00	0.60	0.30	...	...	0.00	0.00	1.20	0.00	...
Mean	1.43	3.29	11.47	1.53	1.87	1.97	0.00	0.23	0.24	0.41	0.51	2.49	*24.54

\* Sum of 12 monthly means.

## LIMA, PERU

Lat. 12°4' S. Long. 77°2' W. H = 128 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 12 daily observations  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	47.0	46.5	47.2	47.3	49.0	49.9	49.7	49.7	49.8	49.1	48.9	47.7	48.5
1932	47.4	46.7	47.4	47.2	48.7	49.3	48.9	49.7	49.4	49.7	49.9	47.9	48.5
1933	47.1	46.6	46.2	47.6	49.4	50.4	50.1	51.1	50.3	49.8	49.7	48.7	48.9
1934	46.9	47.3	46.1	47.4	48.8	49.7	49.6	49.9	48.2	49.9	48.8	48.2	48.4
1935	47.4	48.6	47.1	47.7	49.1	49.4	49.1	50.0	49.0	49.3	48.5	46.8	48.5
1936	45.9	47.4	46.8	47.7	48.2	50.0	49.5	49.2	49.3	48.8	48.3	48.2	48.3
1937	46.6	47.5	46.4	47.9	49.4	49.9	49.7	49.7	50.4	49.9	48.9	47.9	48.7
1938	47.5	47.1	47.0	47.7	48.7	49.6	50.1	49.8	49.7	49.8	49.7	48.1	48.7
1939	47.6	47.4	47.1	47.7	48.9	49.7	49.7	48.9	49.7	49.2	48.8	48.5	48.6
1940	48.2	47.5	46.8	48.2	48.8	49.6	49.8	49.7	49.4	50.0	48.9	47.9	48.7
Mean	47.2	47.3	46.8	47.6	48.9	49.7	49.6	49.8	49.5	49.5	49.1	48.0	48.6

## TEMPERATURE IN DEGREES C.

Means of 12 daily observations

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	23.4	23.2	23.2	21.7	17.6	15.5	15.5	15.0	15.2	17.0	17.8	20.3	18.8
1932	22.2	23.3	22.7	21.2	20.1	17.9	16.2	15.5	17.5	16.8	18.4	20.2	19.2
1933	21.5	22.1	21.5	19.8	17.4	16.0	15.2	15.4	15.8	17.0	17.8	19.3	18.2
1934	21.7	22.5	21.8	19.7	17.4	16.3	15.3	15.7	15.4	15.9	17.3	18.5	18.1
1935	20.8	22.6	22.8	20.2	17.7	15.9	15.3	15.1	15.7	15.7	17.7	19.6	18.3
1936	21.4	21.3	22.3	19.5	16.9	15.9	14.6	14.4	15.4	16.8	18.3	18.9	18.0
1937	21.1	22.2	21.8	19.2	16.4	14.9	14.8	14.8	15.2	15.9	17.7	19.6	17.8
1938	20.9	22.6	22.3	20.3	17.3	15.5	14.3	14.1	14.6	16.2	17.9	20.1	18.0
1939	22.5	23.6	23.1	21.6	19.5	17.8	17.1	17.2	17.5	18.0	19.2	21.3	19.9
1940	23.0	22.9	22.2	21.4	18.6	16.6	16.5	16.1	16.4	17.9	18.7	20.6	19.2
Mean	21.8	22.6	22.4	20.5	17.9	16.2	15.5	15.3	15.7	16.7	18.1	19.8	18.5

## TOTAL PRECIPITATION IN MILLIMETERS

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.08	0.03	0.22	0.03	1.55	6.64	13.96	10.27	7.70	2.35	1.77	1.05	45.65
1932	2.50	2.75	0.11	0.32	8.97	2.65	8.18	10.31	10.43	3.17	1.03	0.20	50.52
1933	0.50	...	0.43	0.00	0.67	2.32	4.50	11.48	7.05	1.68	0.22	0.21	...
1934	0.73	1.30	0.64	0.13	1.19	8.07	7.24	9.47	8.75	1.88	0.61	0.37	40.68
1935	3.71	0.15	0.45	0.17	0.54	6.52	8.93	5.43	8.96	1.81	2.55	0.15	39.37
1936	1.36	0.21	0.20	1.70	4.65	4.49	7.52	8.17	6.41	4.25	4.04	2.06	45.06
1937	0.30	0.21	0.54	0.74	3.34	5.14	9.62	8.16	10.38	0.80	0.55	2.06	41.81
1938	2.43	0.45	0.95	0.33	2.18	5.07	8.97	10.85	6.08	2.78	4.40	2.49	46.93
1939	0.46	0.12	0.58	0.29	3.68	6.08	3.87	4.13	1.34	2.45	0.75	0.11	23.86
1940	0.08	0.46	0.00	0.12	7.10	6.79	3.31	6.57	5.90	4.61	0.40	2.44	37.78
Mean	1.21	0.63	0.41	0.41	3.39	5.38	7.61	8.48	7.30	2.58	1.63	1.11	40.14

PARAMARIBO,\* SURINAM

Lat. 5°49' N. Long. 55°9' W. H<sub>0</sub> = 3.7 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.†

Means of  $\frac{1}{3}(S^h + 14^h + 18^h)$ , Surinam time

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	58.9	58.1	59.3	58.7	58.8	59.9	59.2	60.1	58.8	58.5	57.3	57.7	58.8
1932	58.5	59.3	58.5	58.1	59.1	59.3	59.9	59.0	58.8	58.0	57.5	57.7	58.6
1933	58.1	59.2	59.1	58.7	59.2	59.4	59.4	59.4	58.7	57.9	57.3	57.8	58.7
1934	58.7	60.0	59.2	59.7	59.4	59.4	59.7	59.6	58.8	58.6	57.6	58.6	59.1
1935	58.7	59.4	59.3	59.0	59.2	59.4	59.4	59.0	58.8	57.9	57.6	57.8	58.8
1936	58.1	59.6	58.7	58.6	58.1	59.4	60.1	59.1	58.9	58.4	57.6	58.0	58.8
1937	58.2	59.4	58.6	59.2	58.9	59.7	59.8	59.0	58.7	58.1	57.4	57.4	58.7
1938	58.2	58.9	58.5	58.5	58.6	59.8	59.8	58.3	59.0	58.0	57.1	57.3	58.5
1939	59.2	59.6	59.2	58.6	59.2	59.5	59.1	59.1	59.0	57.8	58.1	57.2	59.0
1940	59.8	59.6	58.9	59.2	59.0	59.8	60.5	59.7	58.9	58.6	56.9	58.6	59.1
Mean	58.6	59.3	58.9	58.8	58.9	59.6	59.7	59.2	58.8	58.2	57.4	58.0	58.8

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of  $\frac{1}{3}(S^h + 14^h + 18^h)$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.9	27.3	28.1	27.8	27.4	27.3	27.1	28.1	28.7	28.8	28.2	26.8	27.7
1932	26.5	27.0	27.2	26.6	27.2	26.9	27.1	27.6	29.0	29.2	29.3	27.6	27.6
1933	26.6	26.9	27.2	27.8	26.8	26.9	27.1	27.8	28.4	28.5	27.1	26.2	27.3
1934	26.1	26.3	26.6	27.1	27.3	26.7	27.1	28.0	28.5	27.7	27.9	26.7	27.2
1935	26.9	26.2	27.4	27.7	27.4	26.9	27.2	27.8	28.3	28.6	28.5	27.1	27.5
1936	26.1	26.7	27.1	26.9	27.3	27.1	27.2	28.3	28.9	28.7	28.3	26.9	27.4
1937	26.5	27.2	27.5	26.6	26.8	26.7	27.3	28.5	29.2	29.4	28.7	27.6	27.7
1938	26.4	26.8	26.6	26.7	26.6	27.0	27.3	28.1	28.6	29.3	28.9	27.3	27.5
1939	26.3	26.3	26.6	26.9	26.9	26.7	27.2	28.0	28.5	28.8	28.4	26.8	27.3
1940	27.0	27.8	28.1	28.1	27.5	27.1	27.3	27.8	28.5	28.8	28.4	27.1	27.8
Mean	26.5	26.8	27.2	27.3	27.1	26.9	27.2	28.0	28.7	28.8	28.4	27.0	27.5

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.60 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	158.4	206.0	26.6	250.2	202.1	289.2	446.7	214.9	94.0	54.9	29.3	176.4	2148.7
1932	258.6	109.2	285.6	548.2	276.4	275.6	210.7	171.5	82.1	22.0	2.3	116.5	2358.7
1933	177.1	68.8	200.6	77.2	266.2	329.4	178.5	263.9	72.7	230.8	309.2	356.1	2530.5
1934	175.8	96.2	186.7	145.6	103.8	222.7	128.4	193.2	94.6	135.1	86.7	160.4	1729.2
1935	107.0	290.9	68.6	66.7	143.4	189.1	177.5	258.9	82.4	100.2	66.1	157.0	1707.8
1936	223.1	28.6	299.8	558.6	301.5	173.4	252.8	144.8	50.4	54.3	141.4	224.3	2453.0
1937	207.2	13.6	58.2	211.4	437.5	314.1	233.8	102.9	53.0	60.6	78.3	242.0	2012.6
1938	324.0	273.1	485.2	360.4	309.2	286.6	146.5	168.2	102.7	39.1	78.7	141.7	2715.4
1939	293.0	183.0	219.0	226.8	366.7	414.4	350.4	156.7	50.7	98.5	85.9	156.4	2601.5
1940	83.3	4.9	25.5	114.9	283.2	470.1	273.4	236.4	108.7	59.0	110.3	127.4	1897.1
Mean	200.7	127.4	185.6	256.0	269.0	296.5	239.9	191.1	79.1	85.4	98.8	185.8	2215.4

PRESSURE AT SEA LEVEL:‡ COR TO 0° C. (32° F.) AND TO GRAV. AT 45° LAT.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	59.2	58.4	59.6	59.0	59.1	60.2	59.5	60.4	59.1	58.8	57.6	58.0	59.1
1932	58.8	59.6	58.8	58.4	59.4	59.6	60.2	59.3	59.1	58.9	57.8	58.0	58.9
1933	58.4	59.5	59.4	59.0	59.5	59.7	59.7	59.7	59.0	58.2	57.6	58.1	59.0
1934	59.0	60.3	59.5	60.0	59.7	59.7	60.0	59.9	59.1	58.9	57.9	58.9	59.4
1935	59.0	59.7	59.6	59.3	59.5	59.7	59.7	59.3	59.1	58.2	57.9	58.1	59.1
1936	58.4	59.9	59.0	58.9	58.4	59.7	60.4	59.4	59.2	58.7	57.9	58.3	59.1
1937	58.5	59.7	58.9	59.5	59.2	60.0	60.1	59.3	59.0	58.4	57.7	57.7	59.0
1938	58.5	59.2	58.8	58.8	58.9	60.1	60.1	58.6	59.3	58.3	57.4	57.6	58.8
1939	59.5	59.9	59.5	58.9	59.5	58.8	59.4	59.4	59.3	58.1	58.4	59.5	59.3
1940	60.1	59.9	59.2	59.5	59.3	60.1	60.8	56.0	59.2	58.9	57.2	58.9	59.4
Mean	58.9	59.6	59.2	59.1	59.2	59.9	60.0	59.5	59.1	58.5	57.7	58.3	59.1

\* See NOTES, p. 57. † - 1.91 mm. applied to observed pressure to correct to 45° latitude. ‡ + 0.3 mm. added to observed values to reduce to sea level.

## CARACAS, VENEZUELA

Lat. 10°30' N. Long. 66°55' W. H = 1,042 m.

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.5$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.3	0.0	0.0	9.4	113.9	130.7	232.3	74.4	69.4	138.6	149.5	59.7	979.2
1932	50.7	2.8	12.5	24.6	136.0	88.8	146.3	215.0	82.1	161.5	130.1	78.0	1128.4
1933	38.4	15.6	14.8	25.1	122.9	69.8	197.6	169.7	183.7	138.2	145.9	131.8	1253.5
1934	29.2	2.7	4.0	0.0	66.9	17.3	35.7	45.7	68.6	177.3	24.9	24.8	497.1
1935	4.1	10.7	4.2	38.1	133.4	32.0	67.4	125.0	40.8	51.0	99.1	37.5	643.3
1936	0.5	4.6	9.2	12.9	106.7	108.9	125.6	53.4	66.1	226.1	90.8	28.9	833.7
1937	63.7	6.8	0.0	38.9	81.7	100.9	50.2	90.5	82.7	50.6	95.6	22.2	683.8
1938	45.5	41.8	36.8	69.5	154.8	46.3	77.6	196.5	164.4	134.8	151.3	108.5	1227.8
1939	5.0	2.6	2.5	4.6	18.2	58.1	26.3	135.2	39.9	76.9	103.4	30.0	502.7
1940	0.6	3.0	5.3	6.5	22.2	75.3	75.8	75.9	48.0	131.0	64.2	20.9	528.7
Mean	23.9	9.0	8.9	23.0	95.7	72.8	103.5	118.1	84.6	128.6	105.5	54.2	827.8

# SOUTH ATLANTIC

## CAPE PEMBROKE, FALKLAND ISLANDS

Lat. 51°41' S. Long. 57°42' W. H<sub>b</sub> = 21.3 m.

PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of (see NOTES)

900 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	102.6	99.8	102.7	107.5	107.4	105.8	102.1	106.9	107.9	102.6	101.8	100.7	104.0
1932	95.3	100.6	101.7	97.9	102.3	100.6	103.3	112.2	101.7	103.8	96.6	96.6	101.1
1933	100.2	100.1	100.7	102.0	105.1	99.2	106.3	103.4	107.8	102.2	97.7	99.5	102.0
1934	99.4	103.4	99.3	106.6	98.9	104.0	96.3	102.9	111.6	105.8	107.3	97.4	102.7
1935	97.1	98.2	90.0	98.9	98.9	96.6	100.7	106.0	102.7	113.4	95.9	95.6	99.5
1936	97.2	104.8	98.1	105.2	99.5	102.0	103.5	108.2	101.0	104.5	104.1	95.6	102.0
1937	102.3	96.6	96.4	100.1	102.4	96.5	101.4	106.2	106.5	103.8	100.5	100.1	101.5
1938	105.8	97.7	99.1	103.0	100.9	98.1	98.2	99.4	104.9	98.5	99.1	98.7	100.3
1939	96.9	99.3	100.0	103.2	100.4	103.0	103.2	104.2	91.1	106.3	98.6	106.6	101.1
1940	96.9	106.7	103.4	97.4	96.3	104.8	100.9	103.5	109.4	108.9	102.4	101.3	102.7
Mean	99.3	100.7	99.1	102.2	101.2	101.0	101.6	105.3	104.5	105.5	100.4	99.2	101.7

### TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	48.2	47.5	47.8	43.0	40.6	39.3	36.6	38.7	36.3	40.8	41.4	45.5	42.1
1932	47.7	48.3	46.0	46.5	40.1	36.4	29.6	37.7	39.6	42.9	45.6	47.8	42.4
1933	47.5	49.2	48.2	44.7	41.6	37.2	38.3	37.9	40.4	41.8	42.8	43.3	42.8
1934	51.4	44.8	45.8	43.9	40.9	37.0	37.3	38.9	39.3	44.8	44.8	45.4	42.8
1935	46.3	47.1	48.2	41.1	40.3	39.1	34.6	37.2	36.6	39.9	44.3	45.5	41.7
1936	48.7	50.2	46.8	44.7	36.1	38.9	38.7	37.4	40.4	42.3	45.9	49.3	43.3
1937	49.5	48.2	46.8	45.1	40.9	37.1	35.3	34.6	41.6	41.2	44.7	46.6	42.6
1938	47.5	47.1	46.1	43.9	41.0	38.2	36.8	36.7	38.7	42.9	44.4	46.4	42.5
1939	48.4	48.8	47.0	44.4	39.1	36.3	38.0	36.2	40.1	42.9	45.2	48.4	42.9
1940	50.2	51.2	50.8	46.2	44.2	41.0	41.4	41.7	43.2	45.6	47.9	49.4	46.1
Mean	48.5	48.2	47.4	44.4	40.5	38.0	36.7	37.7	39.6	42.5	44.7	46.8	42.9

### STANLEY, FALKLAND ISLANDS

Lat. 51°41' S. Long. 57°51' W.

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.61	2.58	3.04	2.21	1.99	2.92	1.74	1.39	2.47	1.44	2.27	2.15	26.81
1932	4.94	2.03	3.20	3.49	3.35	2.87	2.18	1.65	3.41	1.09	1.65	2.40	32.26
1933	2.03	3.03	1.80	1.50	1.02	2.00	1.38	.87	.89	2.76	3.59	3.26	24.13
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	2.47	4.41	1.42	5.92	3.21	2.76	2.48	2.65	2.58	0.06	2.08	3.25	33.29
1936	3.10	2.41	3.21	3.02	2.89	1.49	3.70	2.03	2.74	2.47	0.89	2.65	30.60
1937	...	...	...	...	...	...	...	...	...	...	...	...	...
1938	...	...	...	...	...	...	...	...	...	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

## ST. HELENA

Lat. 15°57' S. Long. 5°40' W. H = 2,000 ft.\*

## PRESSURE AT SEA LEVEL

Means of 6½<sup>h</sup>, † local meridian

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	13.6	11.9	13.8	14.2	14.9	17.6	17.2	18.7	16.4	16.9	14.3	14.6	15.3
1932	13.5	13.4	12.8	13.1	15.3	17.1	18.5	16.7	17.4	15.6	14.3	13.2	15.1
1933	11.9	11.4	11.2	12.4	14.3	16.1	17.2	17.2	15.2	13.6	12.9	11.5	13.7
1934	11.1	11.1	11.1	11.8	13.2	14.5	15.2	16.4	15.1	15.1	13.0	12.7	13.4
1935	11.2	11.1	10.9	12.1	13.6	15.9	16.8	16.1	15.6	13.9	13.1	13.1	16.7
1936	12.0	12.7	12.7	12.6	14.3	17.0	17.8	16.5	15.7	...	13.2	12.1	‡14.3
1937	11.0	11.9	10.5	11.4	13.1	15.8	16.9	16.0	15.5	14.9	13.4	11.9	13.5
1938	14.9	15.3	14.7	15.5	16.7	19.3	19.8	19.5	20.0	18.6	17.2	15.5	17.3
1939	15.4	15.1	14.4	16.4	17.0	14.4	17.4	16.6	15.6	14.0	13.8	13.7	15.3
1940	12.5	...	11.7	12.2	13.6	15.2	17.1	16.5	16.7	14.5	13.4	13.2	‡14.1
Mean	12.7	12.7	12.4	13.2	14.6	16.3	17.4	17.0	16.3	15.2	13.9	13.2	14.3

## TEMPERATURE IN DEGREES F.

Means of ½(daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	63.3	65.2	65.7	64.3	63.4	50.6	57.5	56.6	56.5	56.5	57.7	61.1	59.9
1932	63.0	64.1	64.7	64.3	62.5	59.5	56.7	56.7	54.9	55.5	57.5	60.9	60.0
1933	63.9	65.9	66.5	64.7	63.1	59.5	57.7	57.3	56.7	57.9	57.3	60.5	60.9
1934	64.3	65.4	65.5	64.9	63.3	61.5	59.8	57.9	58.5	58.2	60.2	62.0	61.8
1935	65.2	66.7	66.3	65.1	62.5	59.5	57.1	57.2	56.3	58.9	58.3	60.5	61.1
1936	63.7	63.9	64.3	64.0	60.9	58.5	57.4	57.1	57.5	...	58.0	61.9	‡60.3
1937	64.5	66.9	67.1	65.9	64.4	61.0	58.1	57.5	56.7	57.5	59.5	60.6	61.6
1938	62.5	65.1	65.7	64.3	62.3	60.9	59.7	58.4	56.1	55.9	58.1	59.7	60.8
1939	63.1	64.9	65.8	64.7	62.8	62.2	58.9	63.0	59.4	54.0	59.8	61.9	61.7
1940	65.4	...	61.8	65.6	62.2	60.6	59.2	63.6	57.3	59.9	60.2	62.2	‡61.1
Mean	63.9	65.3	65.8	64.8	62.8	59.4	58.2	58.5	57.0	57.1	58.7	61.1	61.0

## TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	2.44	1.46	3.09	4.37	1.19	2.51	4.80	3.82	2.51	1.38	1.84	0.58	29.99
1932	1.65	1.78	6.69	0.68	6.37	3.80	5.42	1.08	3.59	0.84	0.67	1.29	33.86
1933	1.94	1.93	2.31	1.40	0.82	2.66	4.78	1.64	1.11	0.96	2.08	0.77	22.40
1934	3.29	4.71	5.08	7.50	2.20	2.40	4.12	3.89	2.31	1.95	1.11	2.24	40.81
1935	1.76	5.74	2.51	4.60	3.41	5.14	3.47	1.44	2.33	0.62	0.72	0.80	32.54
1936	2.93	1.54	3.34	2.23	3.04	2.87	3.44	1.03	0.85	4.21	0.77	1.65	27.90
1937	0.57	2.00	6.06	7.09	4.36	1.76	4.95	2.01	1.99	1.87	0.76	2.09	35.51
1938	4.17	2.90	3.24	2.22	1.65	2.06	2.59	4.15	4.14	3.06	0.84	3.30	34.32
1939	2.19	5.03	5.89	4.60	1.68	1.38	6.72	2.77	1.10	1.30	2.39	4.55	39.60
1940	1.50	2.00	5.60	6.00	2.90	5.40	5.50	3.20	3.60	1.60	1.60	2.20	41.10
Mean	2.24	2.91	4.38	4.07	2.76	3.00	4.58	2.50	2.35	1.78	1.28	1.95	33.80

\* See NOTES, p. 58.

† Corrected to mean of day.

‡ Normal value used for missing month.



## GRYTVIKEN, SOUTH GEORGIA

Lat. 54°14' S. Long. 36°3' W. H<sub>b</sub> = 3 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 36th meridian W.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.3	47.2	46.3	48.7	53.5	49.2	50.2	52.1	45.9	50.6	41.4	46.2	48.0
1932	42.2	43.6	45.9	49.0	44.7	47.4	45.1	52.7	49.7	48.4	42.1	42.5	46.1
1933	46.3	44.7	50.0	45.3	48.2	46.6	52.1	47.5	50.2	46.9	40.9	41.6	46.7
1934	48.3	43.3	47.7	45.9	44.2	49.4	48.6	46.7	48.0	49.0	48.7	40.7	46.7
1935	41.9	47.3	44.0	43.2	47.3	50.4	43.7	47.2	43.8	52.1	41.4	45.5	45.6
1936	45.8	48.0	44.3	49.2	43.2	47.0	52.7	53.6	49.7	49.9	47.2	45.4	48.0
1937	44.2	44.0	49.3	44.9	50.8	45.9	47.7	49.9	51.1	48.8	45.8	44.2	47.2
1938	43.1	41.4	48.3	48.3	48.2	46.1	45.9	42.3	48.2	48.7	45.1	47.1	46.1
1939	44.4	47.5	45.6	48.0	42.7	44.9	46.2	46.3	48.6	52.5	39.3	44.5	45.9
1940	44.4	54.0	50.4	46.3	44.1	48.9	49.8	46.8	51.1	48.0	49.2	43.5	48.0
Mean	44.6	46.1	47.2	46.9	46.7	47.6	48.2	48.5	48.6	49.5	44.1	44.1	46.8

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	2.6	3.5	4.1	2.3	-0.2	0.2	0.6	0.1	-0.1	1.8	2.3	3.1	1.7
1932	5.0	3.8	4.6	0.3	-0.3	-4.7	-2.7	-0.9	1.2	2.1	4.2	4.7	1.4
1933	3.6	5.0	5.1	3.0	1.3	-0.9	-0.3	-1.2	0.8	0.7	-2.7	2.6	1.9
1934	5.0	4.1	3.8	2.9	-0.5	-3.8	-1.2	0.2	-0.2	3.8	3.3	3.5	1.7
1935	3.0	4.8	4.9	1.1	-0.7	-1.8	-2.9	-2.7	-3.9	1.6	2.2	3.1	0.7
1936	3.6	5.5	4.6	4.6	-0.9	-1.6	-1.5	-2.4	-0.7	2.5	4.5	5.4	2.0
1937	4.8	3.6	5.7	2.6	1.5	-1.0	-1.6	-3.4	2.0	1.1	3.5	3.5	1.9
1938	4.8	5.0	4.6	3.4	0.6	-1.1	-1.5	-2.9	-1.2	3.0	2.8	3.0	1.7
1939	3.8	5.9	3.4	2.9	-1.5	-1.9	-2.3	-6.0	-0.9	1.7	1.7	3.5	0.9
1940	3.8	5.5	5.7	3.6	2.8	-0.7	0.0	-1.5	0.6	0.4	3.2	4.5	2.3
Mean	4.0	4.7	4.7	2.7	0.2	-1.7	-1.3	-2.1	-0.2	1.9	3.0	3.7	1.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>t</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	61.9	145.3	147.6	111.8	155.7	150.2	351.7	94.7	97.6	109.8	104.7	120.6	1651.6
1935	169.8	155.5	180.7	217.5	125.5	193.7	222.4	213.1	160.2	72.6	149.8	139.0	1999.8
1936	...	...	...	...	...	...	...	...	...	...	...	...	...
1937	94.5	167.4	264.4	70.0	40.5	145.5	146.0	65.0	46.7	35.5	36.8	121.3	1233.6
1938	59.6	146.4	84.9	94.5	124.9	116.1	124.3	228.0	89.3	104.0	39.9	88.7	1300.6
1939	108.0	153.4	243.9	126.6	137.5	34.5	131.8	97.4	148.1	47.3	123.0	26.7	1378.2
1940	71.6	68.8	63.2	228.2	312.4	133.1	205.5	129.9	70.2	40.0	98.5	161.9	1583.3
Mean	94.2	139.4	164.1	141.4	148.6	128.8	196.9	138.0	102.0	68.2	92.1	109.7	†1523.4

\* See NOTES, p. 59.

† Sum of 12 monthly means.

## LAURIE ISLAND, SOUTH ORKNEYS

Lat. 60°43' S. Long. 44°47' W. H<sub>b</sub> = 5 m.PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.Means of 24 hours, 45th meridian W.  
700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	45.4	46.6	41.2	46.3	47.4	45.7	42.3	45.1	45.6	42.7	41.3	45.7	44.6
1932	43.2	37.9	40.4	49.8	42.8	50.7	44.2	47.4	41.5	43.1	35.6	39.0	43.0
1933	48.0	42.7	45.8	43.7	42.3	46.5	47.1	43.0	43.6	44.3	35.7	42.0	43.7
1934	45.6	44.2	44.0	41.7	42.4	50.7	38.9	42.6	46.8	39.0	42.2	36.8	42.9
1935	43.3	43.3	35.0	42.1	43.4	50.4	45.2	45.2	43.9	47.6	39.3	44.7	43.6
1936	47.2	42.3	39.7	43.1	40.4	46.0	47.8	50.8	43.7	42.9	41.1	42.0	43.9
1937	46.1	45.1	44.8	42.2	47.3	44.1	43.9	49.8	38.9	43.4	40.6	45.2	44.3
1938	39.8	39.7	45.7	43.7	50.5	45.7	42.3	40.2	43.4	39.5	40.7	46.8	43.2
1939	48.3	39.1	45.0	43.7	45.8	46.5	42.4	49.8	40.2	44.3	37.8	44.8	44.0
1940	43.5	52.2	42.2	40.5	39.1	44.3	46.5	43.7	43.4	45.3	44.9	39.5	43.8
Mean	45.0	43.3	42.4	43.7	44.1	47.1	44.1	45.8	43.1	43.2	39.9	42.6	43.7

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.50 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	1.3	-0.5	-1.8	-4.4	-4.0	-9.0	-6.4	-6.5	-10.7	-4.6	-3.3	-1.5	-4.3
1932	0.3	-0.2	-0.9	-2.5	-5.9	-19.6	-16.3	-7.3	-3.5	-2.5	-1.1	-1.4	-5.1
1933	-0.1	-0.4	-0.3	-3.7	-6.3	-11.8	-7.7	-12.4	-5.3	-7.0	-4.0	-2.2	-5.1
1934	0.2	-1.0	-1.4	-2.7	-9.4	-13.7	-8.7	-8.4	-5.8	-2.7	-1.1	0.1	-4.6
1935	0.3	0.5	1.0	-3.2	-3.6	-6.5	-17.0	-14.9	-12.8	-3.9	-3.4	-0.8	-5.4
1936	0.0	1.2	0.4	-0.7	-7.9	-12.9	-7.6	-8.4	-4.9	-2.5	-0.8	1.1	-3.6
1937	1.3	0.7	0.9	-1.5	-2.1	-6.2	-8.8	-11.8	-3.0	-2.8	-1.1	-0.6	-2.9
1938	0.2	-0.4	-0.7	-1.5	-9.0	-9.5	-10.8	-12.0	-8.6	-2.2	-3.0	-1.4	-4.9
1939	0.4	0.9	-0.5	-2.4	-5.7	-16.3	-13.1	-19.5	-7.6	-1.3	-2.3	-1.1	-5.3
1940	0.2	1.0	0.4	-2.5	-6.2	-8.1	-9.7	-9.4	-4.8	-5.0	-1.1	-1.0	-3.8
Mean	0.4	0.2	-0.3	-2.5	-8.0	-11.4	-10.6	-11.1	-6.7	-3.5	-2.1	-0.9	-4.6

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9.9	24.9	54.1	21.8	33.0	31.8	57.2	54.7	36.8	48.1	18.8	35.4	426.5
1932	42.9	65.2	59.7	22.8	37.2	20.5	22.7	38.9	45.5	34.1	54.6	51.4	495.5
1933	23.8	61.5	77.7	66.4	56.7	33.2	29.3	39.4	32.8	23.0	48.5	10.5	502.8
1934	43.5	74.2	45.9	46.2	33.0	19.0	60.8	34.4	21.4	37.9	32.5	53.7	502.5
1935	42.5	79.3	84.6	27.1	33.2	26.2	18.4	19.2	36.9	16.8	12.5	28.1	424.8
1936	13.1	30.5	75.4	78.0	49.6	43.0	22.8	38.0	34.2	60.4	81.7	40.4	567.1
1937	51.6	34.2	64.3	57.3	40.5	29.7	11.7	8.1	26.7	17.1	22.5	19.6	333.3
1938	55.1	31.4	57.5	34.0	16.3	19.9	31.2	15.8	16.5	45.6	36.2	9.5	369.0
1939	45.3	63.0	43.2	58.6	31.0	14.7	26.9	13.9	20.5	16.9	13.3	30.3	377.6
1940	52.1	26.6	29.2	30.6	46.6	17.6	14.1	16.3	26.5	15.9	18.6	15.2	399.3
Mean	38.0	49.1	59.2	44.3	37.7	25.6	29.5	27.9	29.8	31.6	33.9	29.4	435.8

# SOUTH PACIFIC

## SUVA, FIJI ISLANDS

Lat. 18°S' S. Long. 178°26' E. H<sub>b</sub> = 12 ft.

PRESSURE AT SEA LEVEL

Means of (see NOTES)

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	9.7	5.2	10.4	11.4	13.6	15.0	15.0	13.6	14.5	13.5	11.3	10.5	12.0
1932	6.6	7.8	9.6	10.2	12.9	13.5	12.3	15.2	13.7	13.7	11.5	8.0	11.3
1933	7.2	7.0	8.1	10.7	13.3	14.3	15.3	16.4	15.5	13.8	11.1	10.0	11.9
1934	9.0	9.6	8.2	12.3	12.9	14.2	14.0	15.6	14.4	14.5	11.9	8.5	12.1
1935	6.8	8.8	8.2	10.6	13.1	13.7	12.3	15.0	13.2	13.2	10.3	9.8	11.2
1936	7.9	7.7	9.1	9.7	11.3	15.4	15.2	13.6	15.3	13.2	9.7	10.5	11.5
1937	7.1	7.2	8.4	10.5	13.3	13.0	14.7	13.6	16.1	13.8	12.0	9.7	11.6
1938	8.1	6.6	10.0	11.4	12.8	13.3	13.8	14.9	12.4	14.2	9.2	8.5	11.4
1939	5.9	7.9	7.8	10.8	15.0	14.9	13.6	11.8	15.0	13.5	11.9	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Mean</b>	<b>6.5</b>	<b>7.5</b>	<b>8.9</b>	<b>10.8</b>	<b>13.1</b>	<b>14.1</b>	<b>14.0</b>	<b>14.4</b>	<b>14.5</b>	<b>13.7</b>	<b>11.0</b>	<b>9.4</b>	<b>*11.6</b>

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft. 6 in.

Means of  $\frac{1}{2}(\text{Max.} + \text{Min.})$

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	81.0	80.3	78.7	79.7	77.0	74.7	75.5	74.4	74.7	74.9	78.2	78.9	77.3
1932	79.9	80.9	80.4	78.5	78.9	75.5	74.7	73.5	76.7	78.0	78.3	80.1	77.9
1933	81.5	82.3	80.8	78.9	76.9	75.5	73.1	73.9	76.1	76.3	79.0	80.3	77.9
1934	82.1	80.4	80.6	79.1	76.0	75.3	73.6	74.8	74.3	76.1	78.5	79.9	77.6
1935	79.5	81.3	81.7	79.2	76.4	76.1	75.2	74.1	75.3	76.8	77.7	79.1	77.7
1936	81.1	82.0	81.7	81.0	76.9	74.5	74.5	73.9	73.9	76.0	78.5	79.1	77.8
1937	82.7	82.3	80.9	80.5	77.7	76.9	74.1	74.1	73.9	76.9	78.5	79.4	78.2
1938	81.3	81.9	80.2	79.5	77.7	75.9	75.5	76.1	79.2	77.1	78.5	78.7	78.2
1939	79.9	81.1	79.0	77.9	76.0	61.4	74.2	72.9	74.5	74.3	76.3	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Mean</b>	<b>81.0</b>	<b>81.4</b>	<b>80.4</b>	<b>79.4</b>	<b>77.1</b>	<b>74.0</b>	<b>74.5</b>	<b>74.2</b>	<b>75.4</b>	<b>76.3</b>	<b>78.2</b>	<b>79.4</b>	<b>*77.6</b>

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	10.42	21.52	20.02	8.33	7.88	3.34	8.70	6.16	7.34	8.98	10.41	9.50	122.60
1932	11.66	15.24	11.03	11.51	8.87	2.43	15.04	9.23	3.39	8.35	10.95	13.99	121.69
1933	4.84	12.51	28.09	33.09	10.50	7.79	1.88	2.94	1.53	14.52	14.76	18.95	151.40
1934	9.18	19.95	22.65	10.77	20.92	3.20	9.74	5.23	9.68	11.48	5.33	6.20	134.33
1935	22.37	6.52	11.34	12.78	8.94	4.67	8.55	16.59	14.05	16.34	26.55	14.92	163.62
1936	9.38	9.14	11.56	7.60	25.63	3.42	3.37	3.03	7.03	27.31	10.40	12.06	129.93
1937	8.78	8.30	17.53	12.13	16.49	2.23	4.76	11.46	6.95	6.63	5.87	5.51	106.64
1938	12.53	8.45	8.54	4.96	11.58	4.84	14.32	7.05	2.10	19.61	20.77	30.52	145.27
1939	30.71	5.71	23.06	16.98	0.46	2.07	6.53	6.55	6.25	8.63	10.82	...	...
1940	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>Mean</b>	<b>13.32</b>	<b>11.93</b>	<b>17.09</b>	<b>13.13</b>	<b>12.36</b>	<b>3.78</b>	<b>8.01</b>	<b>7.58</b>	<b>6.48</b>	<b>13.54</b>	<b>12.87</b>	<b>13.96</b>	<b>†134.05</b>

\* Means of 12 monthly means.

† Sum of 12 monthly means.

## AUCKLAND, NEW ZEALAND

Lat. 36°51' S. Long. 174°46' E. H<sub>b</sub> = 134 ft.\*

PRESSURE AT SEA LEVEL

Means of 9<sup>h</sup>, 172°30' meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.3	17.1	23.3	19.4	23.6	18.9	13.2	16.0	11.2	17.8	19.8	14.8	17.4
1932	11.9	10.9	20.6	18.8	16.9	11.2	15.2	21.7	20.8	17.9	18.4	14.5	16.6
1933	12.8	10.6	17.4	15.7	13.5	17.7	20.9	19.2	18.4	18.7	17.2	17.0	16.6
1934	14.7	16.3	21.1	22.5	19.4	15.4	15.4	20.3	15.9	20.8	19.2	18.0	18.2
1935	13.7	16.7	15.9	15.8	16.2	8.5	13.9	15.0	17.0	15.2	10.7	21.6	15.0
1936	12.7	13.8	14.2	18.3	22.2	20.9	14.6	16.5	13.9	16.3	8.6	17.1	15.8
1937	9.0	15.7	18.3	13.3	14.6	15.2	17.8	21.0	14.8	21.1	17.3	15.0	16.1
1938	16.3	15.3	20.6	17.1	21.4	13.2	9.9	18.4	18.6	19.6	16.4	9.9	16.4
1939	11.0	17.1	21.6	21.5	21.8	12.7	3.0	5.0	15.0	16.9	17.1	13.8	14.7
1940	12.2	11.6	19.2	17.3	9.7	21.0	9.9	19.5	18.8	17.9	10.6	20.7	15.7
Mean	12.9	14.5	19.2	18.0	17.9	15.5	13.4	17.3	16.4	18.2	15.5	16.2	16.3

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	66.5	63.0	62.6	60.9	55.0	52.8	53.1	52.8	53.1	56.4	63.1	63.7	58.6
1932	65.0	66.7	65.3	61.8	55.8	51.8	49.2	50.3	54.7	59.4	60.7	64.2	58.7
1933	68.0	68.9	66.3	61.8	57.6	50.6	51.8	51.9	54.8	57.2	60.5	64.6	59.5
1934	64.4	65.8	63.8	62.0	55.7	53.0	50.3	52.6	55.3	57.9	63.5	68.8	59.4
1935	70.8	70.4	66.8	63.4	55.4	54.4	51.3	52.2	52.6	58.0	58.2	65.9	60.0
1936	67.2	66.6	63.4	62.4	54.0	52.0	50.4	53.2	53.6	59.3	60.5	62.8	58.8
1937	64.8	64.3	64.8	60.0	56.9	51.4	49.8	52.2	54.3	56.9	61.2	67.4	58.7
1938	70.2	71.0	69.3	68.4	58.8	53.0	51.2	52.6	55.0	58.0	63.2	63.0	61.1
1939	63.1	64.4	66.2	61.5	57.4	55.3	49.4	52.2	54.7	56.2	60.2	63.8	58.7
1940	67.2	65.2	63.0	57.8	54.4	52.4	50.2	53.0	55.1	57.4	59.0	66.2	58.4
Mean	66.8	66.6	65.2	62.0	56.1	52.7	50.7	52.3	54.3	57.7	61.0	65.0	59.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	7.38	1.61	0.83	8.99	2.85	5.10	7.10	3.30	4.90	2.15	1.68	3.30	49.19
1932	1.14	7.51	3.68	4.05	3.35	4.07	4.64	2.28	2.39	3.33	1.07	2.97	40.48
1933	1.48	7.75	0.76	2.39	6.42	2.67	5.03	4.02	4.43	2.91	2.48	2.15	42.49
1934	1.57	8.17	1.67	3.33	5.60	6.48	5.97	2.95	2.08	2.17	1.17	2.38	43.54
1935	2.24	9.62	4.38	5.07	4.24	7.03	10.55	4.71	2.76	4.12	3.43	3.36	61.51
1936	6.89	9.29	2.48	2.72	1.26	2.75	5.23	8.28	3.69	3.15	3.19	3.61	52.54
1937	3.98	1.05	3.53	2.71	7.04	7.25	4.23	1.53	4.18	2.07	3.18	2.11	42.86
1938	3.75	11.44	0.30	7.38	4.63	5.41	12.00	5.26	2.27	1.66	5.10	4.36	63.56
1939	6.02	0.67	0.25	4.03	1.31	7.07	8.44	6.07	4.73	3.08	4.23	3.40	49.30
1940	8.16	3.48	1.18	3.08	4.89	2.93	2.60	2.34	2.86	3.35	2.93	1.37	39.17
Mean	4.26	6.06	1.91	4.37	4.16	5.03	6.58	4.07	3.43	2.80	3.85	2.90	48.47

\* See NOTES, p. 59.

## CHRISTCHURCH, NEW ZEALAND

Lat. 43°32' S. Long. 172°37' E. H<sub>0</sub> = 25 ft.

PRESSURE AT SEA LEVEL

Means of 9<sup>h</sup>, 172°30' meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	4.5	12.5	19.6	17.2	20.2	15.6	7.7	10.3	8.8	9.5	12.3	10.8	12.4
1932	5.2	11.5	21.9	17.3	16.3	6.0	15.9	20.6	22.4	14.3	11.6	11.6	14.6
1933	9.0	3.8	13.8	8.0	10.4	17.3	21.3	16.3	16.3	12.8	15.3	12.6	13.1
1934	9.5	15.9	18.0	18.2	16.7	14.3	12.8	16.5	13.1	15.0	16.6	17.0	15.3
1935	7.3	17.9	15.6	14.7	13.2	4.8	16.6	8.9	20.3	9.2	8.3	19.0	13.0
1936	11.6	14.6	12.0	15.3	20.7	18.3	12.7	9.2	6.8	9.3	4.8	14.8	12.5
1937	4.3	11.2	14.7	10.8	10.9	16.3	15.9	21.0	12.5	20.0	12.1	12.5	13.5
1938	14.3	14.5	18.0	18.5	18.8	11.4	14.2	16.3	16.1	12.2	13.6	2.5	14.2
1939	2.5	12.7	21.0	21.1	19.2	7.9	1.9	1.2	10.8	15.1	12.0	10.0	11.3
1940	6.0	0.0	14.6	16.3	6.8	16.4	20.2	18.9	15.7	11.9	7.1	14.8	12.4
Mean	7.4	11.5	16.9	15.7	15.3	12.8	13.9	13.9	14.3	12.9	11.4	12.6	13.2

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	60.6	58.2	56.8	52.1	48.0	41.2	41.0	43.6	44.8	54.3	57.6	60.4	51.6
1932	60.8	59.8	57.3	53.5	46.0	42.3	39.9	41.7	47.8	52.6	57.7	58.0	51.4
1933	62.0	62.9	60.1	53.7	46.6	40.8	42.3	44.4	49.0	53.8	54.6	60.2	52.5
1934	59.4	60.2	56.8	54.6	46.6	43.2	40.5	44.6	49.6	52.2	58.8	61.2	52.6
1935	65.6	63.5	60.2	54.8	47.2	41.8	41.4	44.9	45.2	53.4	52.0	63.6	52.8
1936	61.8	58.8	54.2	54.8	45.6	43.6	41.5	46.6	48.6	55.2	56.3	56.2	51.9
1937	59.6	56.8	57.3	51.6	47.8	41.0	41.1	46.2	49.0	51.4	56.4	60.1	51.5
1938	62.2	65.2	61.2	57.2	48.0	43.3	39.2	44.4	48.6	53.7	56.5	58.2	53.1
1939	59.2	60.4	59.0	54.0	49.2	44.9	39.4	42.6	47.7	51.2	56.8	61.7	52.2
1940	63.4	60.0	56.4	50.2	45.6	42.4	42.6	45.5	48.8	53.8	54.7	61.8	52.1
Mean	61.5	60.6	57.9	53.6	47.1	42.4	40.9	44.4	47.9	53.2	56.1	60.4	52.2

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.99	2.02	1.00	0.91	0.70	3.56	2.07	1.50	2.16	1.72	0.65	0.53	17.81
1932	0.86	2.95	0.48	1.52	1.29	1.15	1.65	2.07	1.04	4.96	1.03	2.09	21.09
1933	2.15	0.14	0.45	0.75	3.28	1.99	1.55	0.91	1.41	1.64	1.62	2.96	18.85
1934	3.44	1.53	1.78	1.13	7.34	1.34	1.25	3.11	2.93	0.96	1.56	0.04	26.41
1935	0.77	1.04	1.22	1.40	4.01	3.22	1.06	1.22	1.83	2.90	2.88	0.52	22.07
1936	1.25	6.93	6.07	2.87	1.36	0.82	4.00	2.29	2.13	0.98	4.80	2.64	36.14
1937	2.08	2.19	1.98	1.50	2.94	2.12	1.91	1.75	1.83	0.28	0.88	5.08	24.54
1938	2.92	1.21	1.35	4.95	0.67	7.06	4.45	0.94	2.35	2.01	2.26	3.32	33.49
1939	0.70	0.52	0.72	0.88	0.76	2.46	8.70	4.91	0.64	0.86	1.70	2.12	24.97
1940	4.45	0.94	0.60	2.41	7.15	0.83	1.93	1.44	4.56	1.09	1.49	0.51	27.40
Mean	1.96	1.95	1.56	1.83	2.95	2.46	2.86	2.01	2.09	1.74	1.89	1.98	25.28

## DUNEDIN,\* NEW ZEALAND

Lat. 45°52' S. Long. 170°32' E. H<sub>b</sub> = 246 ft.†

PRESSURE AT SEA LEVEL

Means of 9<sup>h</sup>, 172°30' meridian E.

900 mb.+

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	102.9	112.4	119.5	117.6	119.2	115.3	105.9	109.9	108.9	108.3	112.0	110.5	111.9
1932	105.0	111.5	122.2	118.6	116.5	107.3	116.1	120.0	121.2	113.9	111.0	112.9	114.7
1933	108.9	103.4	112.8	106.7	119.1	117.6	121.4	116.0	116.3	112.0	115.5	112.9	112.8
1934	108.9	116.3	117.8	117.7	117.0	113.9	112.3	116.1	112.9	114.2	116.9	117.1	115.1
1935	106.7	118.7	115.6	114.0	112.9	104.5	116.8	108.6	120.5	109.0	108.4	119.4	112.9
1936	112.0	114.6	111.7	115.0	120.4	117.6	112.7	107.8	105.8	108.2	104.1	114.7	112.0
1937	102.7	110.7	113.8	109.9	109.6	115.7	114.9	120.5	111.7	119.2	111.4	113.0	112.8
1938	113.7	114.1	117.3	118.6	117.4	111.1	114.5	115.2	115.4	110.6	113.0	101.6	113.5
1939	101.0	111.9	120.8	120.2	117.8	105.8	101.4	100.5	109.6	114.6	110.8	109.7	110.3
1940	105.2	98.3	113.4	116.3	106.8	115.3	120.3	118.4	115.6	110.7	106.9	114.1	111.8
Mean	106.7	111.2	116.5	115.5	114.8	112.4	113.6	113.3	113.8	112.1	111.0	112.6	112.8

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.6	56.3	54.7	51.3	48.1	42.0	42.3	43.2	46.0	53.2	55.6	56.4	50.5
1932	56.0	56.0	54.8	52.8	46.7	43.9	42.3	42.6	46.5	51.8	55.2	55.8	50.4
1933	60.0	58.4	58.0	50.8	45.8	42.6	42.6	45.4	48.9	52.0	53.0	57.8	51.3
1934	55.1	59.0	55.0	54.2	46.6	43.5	42.4	46.0	49.6	51.7	57.0	62.4	51.9
1935	61.8	61.1	58.4	54.9	46.8	43.6	42.6	46.2	45.8	52.6	51.5	61.2	52.2
1936	59.2	57.8	52.4	53.7	47.2	45.0	42.2	47.7	47.9	53.6	53.7	54.6	51.2
1937	56.8	53.7	55.5	50.5	48.0	41.9	43.3	46.4	47.4	50.8	55.0	57.6	50.6
1938	60.8	64.0	58.6	55.6	51.6	44.4	40.1	36.6	39.2	53.8	54.0	54.6	52.8
1939	55.6	58.4	56.9	53.8	48.4	46.6	39.1	42.6	49.4	51.2	56.2	60.4	51.6
1940	60.4	56.4	56.1	50.1	46.8	44.9	44.4	46.6	48.6	52.0	53.7	59.6	51.6
Mean	58.2	58.1	56.0	52.8	47.6	43.8	42.1	45.3	47.9	52.3	54.5	58.0	51.4

TOTAL PRECIPITATION IN INCHES.† h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5.71	4.92	1.30	1.95	1.48	1.69	1.91	4.63	2.88	1.45	2.31	2.63	32.86
1932	3.92	4.30	3.04	4.63	2.21	2.85	2.77	1.77	1.18	1.97	1.53	2.06	32.23
1933	2.86	1.95	1.01	4.12	3.86	3.44	2.21	2.45	2.19	3.92	4.98	1.86	34.85
1934	5.08	2.74	2.50	2.17	7.19	1.94	2.96	4.59	6.02	1.83	1.43	1.73	40.18
1935	3.04	2.40	5.73	1.56	4.01	5.89	1.30	1.86	1.38	2.74	3.78	1.54	35.23
1936	1.56	8.53	6.12	1.68	2.09	1.21	6.74	3.52	2.90	2.86	5.07	5.78	48.06
1937	3.31	7.15	2.92	5.61	4.33	3.25	1.59	1.90	2.19	0.80	1.14	4.15	38.34
1938	2.86	1.01	1.45	4.23	2.75	6.58	2.38	0.90	2.89	2.80	3.68	10.89	42.42
1939	2.24	1.61	1.54	1.38	0.96	3.76	10.23	3.73	1.90	2.37	1.62	1.34	32.63
1940	5.74	4.83	3.15	2.19	7.79	1.54	1.60	1.04	1.31	0.69	3.86	1.83	35.57
Mean	3.63	3.94	2.88	2.95	3.67	3.22	3.37	2.64	2.48	2.14	2.94	3.33	27.24

\* See ADDITIONAL DATA, p. 618.

† See NOTES, p. 60.

## HOKITIKA, NEW ZEALAND

Lat. 42°43' S. Long. 170°58' E. H<sub>b</sub> = 30 ft.

PRESSURE AT SEA LEVEL

Means of 9<sup>h</sup>, 172°30' meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.2	15.6	21.9	18.3	22.9	16.8	9.8	12.2	10.1	14.8	17.2	13.7	15.3
1932	9.1	11.7	21.8	17.9	17.4	7.5	15.8	21.6	21.5	15.5	16.1	12.7	15.7
1933	11.1	6.7	17.5	12.0	11.7	17.2	21.0	17.4	17.9	17.2	16.6	14.1	15.0
1934	12.3	17.0	20.1	20.5	18.3	14.4	14.5	17.6	15.9	17.3	18.7	18.4	17.1
1935	10.7	17.5	16.0	15.4	13.8	5.5	15.7	11.9	19.1	12.1	8.7	21.1	14.0
1936	12.1	14.5	13.6	16.3	22.1	20.0	12.7	11.9	10.2	12.9	6.2	15.9	14.0
1937	6.9	13.2	16.6	12.2	12.4	15.4	17.1	21.6	13.1	21.4	15.8	13.6	14.9
1938	15.8	14.7	19.2	16.8	20.7	11.6	11.5	17.3	16.8	16.2	14.4	5.1	15.0
1939	7.7	16.4	21.6	22.1	20.8	8.3	1.7	1.4	12.5	16.0	14.6	12.7	13.0
1940	9.1	5.4	18.9	16.9	7.6	18.4	20.8	20.1	17.4	16.1	9.1	18.7	14.9
Mean	10.5	13.3	18.7	16.8	16.8	13.5	14.1	15.3	15.4	16.0	13.7	14.6	14.9

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	56.0	56.8	56.4	54.2	49.5	44.4	43.8	44.6	45.6	51.3	54.1	56.6	51.1
1932	55.8	59.2	58.6	55.5	49.2	45.8	43.5	43.8	50.2	54.4	54.1	57.6	52.3
1933	60.8	60.8	56.8	52.2	48.0	44.0	45.6	46.2	50.2	51.2	54.7	59.3	52.5
1934	57.0	61.2	57.4	55.7	48.8	46.2	44.1	48.0	48.8	52.6	57.4	63.6	53.4
1935	62.8	65.3	61.0	56.1	48.6	45.2	44.6	45.8	46.7	52.5	52.8	61.8	53.6
1936	61.4	60.8	55.0	56.3	47.3	45.7	44.5	47.1	48.1	52.8	54.4	57.0	52.5
1937	57.6	56.2	57.6	53.2	49.7	43.6	43.2	47.4	49.3	51.2	55.7	61.2	52.2
1938	62.5	64.8	61.6	60.7	51.6	46.8	44.2	46.4	49.6	52.0	56.1	55.4	54.3
1939	54.1	56.5	60.0	55.2	50.9	47.7	42.0	45.8	48.4	51.5	55.2	59.6	52.2
1940	60.8	54.7	54.0	51.4	48.2	45.7	44.8	47.8	50.8	51.6	53.8	58.6	51.8
Mean	58.9	59.6	57.8	55.0	49.2	45.5	44.0	46.3	48.8	52.1	54.8	59.1	52.6

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	16.31	6.93	8.66	7.42	7.40	7.12	10.91	10.91	4.50	11.20	5.78	8.34	105.48
1932	19.59	9.68	3.99	11.67	4.37	10.25	1.79	5.13	6.61	13.65	8.24	10.75	105.72
1933	13.84	12.68	6.86	11.11	10.74	4.97	21.73	9.16	5.69	10.29	6.27	11.08	124.42
1934	8.20	3.60	6.16	14.57	6.49	8.10	8.29	11.85	4.55	10.62	2.23	5.22	99.88
1935	16.49	11.16	9.80	8.20	13.87	8.74	3.22	9.53	1.71	8.55	9.54	4.16	104.97
1936	3.79	4.44	9.53	7.15	4.55	8.13	6.73	19.67	11.25	11.40	13.90	9.39	109.93
1937	14.36	13.84	7.74	8.94	10.77	3.97	7.28	5.29	6.16	5.10	9.11	8.18	100.74
1938	11.81	9.06	16.01	13.90	6.81	7.21	5.46	11.38	8.08	11.15	10.81	17.01	123.69
1939	8.90	4.33	4.31	4.51	10.33	13.25	4.01	10.85	10.57	6.25	13.68	7.45	98.44
1940	15.89	19.33	3.74	5.92	10.38	9.29	4.13	5.79	7.66	10.01	7.67	9.82	109.63
Mean	12.92	9.50	7.68	9.34	8.57	8.10	7.36	9.96	6.68	9.82	8.72	9.14	107.79

## WELLINGTON, NEW ZEALAND

Lat. 41°17' S. Long. 174°46' E. H<sub>b</sub> = 394 ft.\*

## PRESSURE AT SEA LEVEL

Means of 9<sup>h</sup>, 172°30' meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	8.2	14.2	21.4	18.3	22.4	16.5	9.5	12.4	9.6	13.2	15.6	13.0	14.5
1932	8.1	11.5	22.4	18.5	16.8	7.1	15.8	21.6	22.8	16.1	14.6	13.4	15.7
1933	11.2	7.0	16.0	10.9	11.3	17.2	22.1	17.8	17.7	15.4	16.5	14.1	14.8
1934	11.2	17.0	19.6	20.6	18.1	15.2	13.9	18.6	14.5	17.8	18.4	18.1	16.9
1935	10.1	18.0	16.5	14.9	14.9	5.6	16.2	10.9	19.4	11.5	8.8	20.8	14.0
1936	12.2	14.0	13.1	17.4	21.6	20.1	12.7	12.8	9.5	12.7	6.9	15.4	14.0
1937	5.8	13.0	16.9	12.6	12.5	16.2	16.8	22.0	13.4	21.2	14.4	13.5	14.9
1938	16.3	15.8	19.6	18.6	19.8	12.2	12.7	18.2	17.0	15.0	14.7	4.6	15.4
1939	5.9	14.8	22.0	22.4	20.7	9.5	1.1	1.8	12.7	16.4	15.0	12.0	12.9
1940	8.5	4.1	17.4	17.1	7.6	18.2	20.9	20.0	16.7	15.0	8.8	17.5	14.3
Mean	9.8	12.9	18.5	17.1	16.6	13.8	14.2	15.6	15.3	15.4	13.4	14.2	14.7

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	59.0	57.0	57.1	54.7	50.6	46.6	46.8	46.2	47.2	53.3	57.1	59.1	52.9
1932	58.3	59.7	58.6	55.8	50.1	47.8	44.4	45.2	48.7	54.0	56.4	58.6	53.1
1933	62.8	62.1	61.6	56.6	50.7	46.2	46.4	47.1	50.4	52.5	55.0	60.0	54.3
1934	60.2	61.6	58.3	56.4	50.2	47.2	45.6	48.0	51.2	53.4	59.2	66.2	54.8
1935	66.6	65.7	61.6	58.9	50.5	47.9	46.0	48.2	47.6	53.1	53.2	62.1	55.1
1936	61.8	61.2	56.0	57.6	49.6	47.8	45.6	49.8	50.1	54.6	56.1	57.4	54.0
1937	59.6	57.9	59.1	55.2	51.6	45.4	45.6	48.6	49.4	51.6	57.2	61.7	53.6
1938	62.9	65.3	63.8	59.9	54.4	48.4	45.0	47.8	50.4	54.4	57.4	56.6	55.5
1939	58.9	60.4	60.2	56.4	51.8	50.8	43.4	48.0	50.3	52.2	56.6	59.9	54.1
1940	63.2	60.6	57.2	52.4	49.2	48.2	46.5	48.9	51.6	51.8	54.7	60.2	53.7
Mean	61.3	61.2	59.4	56.3	50.9	47.6	45.5	47.8	49.7	53.1	56.3	60.2	54.1

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1 ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.84	1.63	0.64	5.59	2.56	5.71	5.39	2.23	3.79	2.80	2.61	2.70	39.49
1932	2.16	6.71	0.35	2.69	7.79	2.18	1.48	6.67	1.05	3.87	1.32	2.60	38.87
1933	2.07	3.75	2.10	4.07	5.84	2.75	6.00	4.43	2.97	2.17	1.58	0.89	38.62
1934	2.03	3.51	2.44	3.50	4.53	4.81	6.10	5.15	2.21	6.85	2.16	0.05	43.34
1935	1.87	3.40	3.79	1.79	3.50	2.80	4.32	3.42	4.80	5.12	2.84	3.09	40.74
1936	3.34	9.90	4.64	3.33	2.87	3.33	8.42	4.68	2.44	3.33	6.09	4.43	56.80
1937	3.18	4.22	2.22	2.30	3.41	3.33	3.93	1.03	3.51	0.94	2.90	3.18	34.15
1938	5.16	6.32	0.95	7.12	0.87	7.50	4.69	7.00	5.94	3.25	1.99	7.41	58.20
1939	0.89	0.68	1.05	2.95	2.28	3.42	6.03	5.91	2.86	2.80	2.37	15.21	46.45
1940	5.35	3.27	1.42	5.58	6.13	1.96	2.53	3.36	4.15	4.20	3.91	2.68	44.54
Mean	2.99	4.34	1.98	3.89	3.98	3.78	4.89	4.39	3.37	3.53	2.78	4.22	44.12

\* See NOTES, p. 60.



## ALOFI, NIUE ISLAND

Lat. 19°2' S. Long. 169°55' W. H<sub>b</sub> = 65 ft.

PRESSURE AT SEA LEVEL

Means of 8<sup>h</sup>, 170th meridian W.\*

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	10.6	8.2	13.0	14.4	15.7	16.4	18.3	16.7	17.2	15.5	13.8	13.2	14.4
1932	8.7	10.0	11.4	11.6	15.7	14.8	14.2	16.2	15.5	16.6	12.9	10.1	13.1
1933	9.4	10.6	11.3	14.0	15.1	15.4	16.2	18.0	16.6	15.8	12.7	11.8	13.9
1934	11.3	11.5	9.9	14.0	14.7	15.8	15.0	17.7	16.1	15.8	13.3	9.4	13.7
1935	8.9	9.8	10.5	12.5	14.4	15.4	13.9	16.3	14.9	14.9	12.1	11.7	12.9
1936	10.2	8.7	12.1	12.1	12.8	16.6	16.0	14.2	16.7	15.8	11.3	10.5	13.1
1937	10.2	9.8	10.7	12.8	15.3	14.9	15.7	15.3	16.7	14.8	12.5	10.8	13.3
1938	8.1	9.6	11.6	11.6	13.4	14.4	15.5	16.2	15.6	15.2	9.9	11.0	12.7
1939	10.2	8.5	10.1	12.3	14.1	15.1	14.4	13.3	15.5	14.0	12.3	11.3	12.6
1940	10.9	11.0	11.2	12.3	13.5	15.3	15.3	14.3	14.8	14.2	11.8	9.3	12.8
Mean	9.8	9.8	11.2	12.3	14.5	15.4	15.4	15.8	16.0	15.3	12.3	10.9	13.3

TEMPERATURE IN DEGREES F. h<sub>t</sub> = 4 ft.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	79.2	79.6	79.1	78.8	75.7	73.6	73.2	74.2	74.7	74.3	75.4	76.8	76.2
1932	79.5	79.8	79.1	77.6	77.4	72.9	74.9	74.0	74.2	75.9	77.2	80.9	77.0
1933	80.2	80.5	80.4	80.1	77.2	75.2	71.0	74.0	74.8	76.8	78.6	78.8	77.3
1934	80.8	80.8	79.7	78.5	75.8	76.0	74.1	72.8	74.8	76.2	77.7	77.4	77.0
1935	79.5	81.3	80.2	77.8	75.8	74.9	76.0	74.2	77.2	78.4	79.0	77.6	77.7
1936	80.0	80.6	81.4	79.0	77.0	71.8	74.0	73.0	74.8	76.2	77.4	78.8	77.0
1937	81.4	81.2	78.9	77.5	74.4	74.0	73.4	74.0	74.0	76.4	77.0	78.9	76.8
1938	80.4	80.2	78.6	78.6	77.2	76.5	76.8	76.3	77.6	77.8	78.0	80.5	78.2
1939	80.0	80.4	79.1	79.0	76.4	74.0	75.6	75.2	73.8	74.6	76.0	76.6	76.7
1940	78.8	81.7	80.6	77.0	77.4	74.0	70.8	72.5	74.6	75.4	77.1	77.6	76.5
Mean	80.0	80.6	79.7	78.4	76.4	74.3	74.0	74.0	75.0	76.2	77.3	78.4	77.0

TOTAL PRECIPITATION IN INCHES. h<sub>r</sub> = 1½ ft.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.68	2.87	8.77	2.28	1.22	1.81	0.58	4.77	3.55	7.30	4.02	3.09	41.94
1932	11.32	16.89	15.18	4.14	1.41	5.22	4.56	4.47	1.44	3.09	6.53	4.54	78.79
1933	7.55	17.04	5.09	2.81	7.41	3.45	11.18	2.80	1.40	5.50	7.38	12.39	84.00
1934	11.26	24.24	29.85	3.11	15.75	1.08	3.35	2.29	3.26	8.24	5.28	6.45	114.16
1935	22.84	2.90	21.17	7.17	4.62	2.01	4.01	6.43	2.25	6.78	12.04	7.55	99.77
1936	5.34	7.91	10.46	9.19	18.47	0.76	12.13	8.20	4.11	2.87	2.19	7.86	89.49
1937	10.61	5.45	8.89	3.80	3.47	1.79	4.44	3.04	2.25	1.44	4.42	4.10	53.70
1938	20.19	12.49	5.22	6.85	4.03	1.96	2.13	0.61	3.15	8.41	7.07	5.31	77.42
1939	13.53	10.84	19.54	13.63	4.81	1.08	3.27	1.18	1.45	6.51	10.62	3.87	90.33
1940	1.66	4.76	9.66	6.09	2.83	7.75	0.59	7.23	1.65	3.13	2.01	4.46	51.82
Mean	10.60	10.54	13.38	5.91	6.40	2.69	4.62	4.10	2.45	5.33	6.16	5.96	78.14

\* See NOTES, p. 60.

## APIA, SAMOA \*

Lat. 13°48' S. Long. 171°46' W. H<sub>b</sub> = 2 m.

## PRESSURE AT SEA LEVEL

Means of 24 hours

750 mm.+

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	4.36	4.13	7.48	7.47	8.40	9.01	9.44	8.55	9.02	8.23	6.79	6.76	7.47
1932	5.41	6.35	6.44	6.07	8.28	8.56	7.79	8.92	8.51	8.29	6.83	5.75	7.27
1933	5.04	6.08	6.71	7.65	8.54	8.75	9.02	10.21	9.38	8.52	7.37	7.07	7.86
1934	6.70	7.57	6.25	7.48	8.11	8.51	8.35	9.20	8.69	8.71	7.01	5.39	7.66
1935	5.34	6.11	6.49	7.16	8.26	8.65	7.97	9.10	8.33	8.16	6.92	5.91	7.37
1936	4.79	5.40	6.97	6.97	7.43	8.85	8.95	7.98	8.99	8.29	6.31	7.15	7.34
1937	5.45	6.33	6.07	7.22	8.69	8.56	8.41	8.41	9.45	8.54	6.86	6.05	7.50
1938	5.24	5.75	7.26	7.35	7.79	8.70	9.14	9.17	9.29	9.38	5.98	6.61	7.64
1939	6.55	6.25	6.65	7.69	7.93	8.72	8.86	7.61	8.95	7.86	6.46	6.62	7.51
1940	6.03	5.93	6.34	7.25	7.57	7.96	9.00	8.11	8.45	8.39	7.01	4.57	7.23
Mean	5.49	5.99	6.67	7.23	8.10	8.63	8.69	8.73	8.91	8.44	6.75	6.19	7.48

TEMPERATURE IN DEGREES C. h<sub>1</sub> = 1.75 m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	26.80	26.75	26.88	26.54	26.25	25.61	25.77	26.02	26.08	25.88	26.10	25.87	26.21
1932	26.55	26.54	26.50	26.24	27.01	25.70	26.24	25.98	25.88	26.48	26.46	26.79	26.36
1933	26.38	26.48	25.96	26.18	26.46	26.05	25.19	25.53	25.54	25.77	25.95	25.48	25.91
1934	26.34	26.33	25.91	25.94	26.10	25.95	25.75	25.64	25.94	26.03	26.33	26.32	26.05
1935	25.99	26.71	26.57	26.37	26.09	25.95	26.19	25.69	26.39	27.07	26.54	26.23	26.32
1936	26.73	26.81	26.47	26.88	26.56	25.79	25.76	25.11	25.70	26.23	25.95	26.41	26.20
1937	26.80	26.81	26.28	26.66	26.12	26.00	26.10	26.01	25.78	26.25	26.50	26.53	26.32
1938	26.80	26.29	26.20	26.14	25.85	26.11	26.54	25.96	26.11	26.12	25.48	26.43	26.17
1939	25.73	26.32	25.91	26.14	26.05	25.48	25.00	26.13	25.59	26.29	26.70	26.28	26.02
1940	27.11	27.22	27.14	27.00	26.89	26.42	25.13	25.83	26.24	26.25	26.47	26.70	26.53
Mean	26.52	26.63	26.38	26.43	26.34	25.91	25.83	25.79	25.93	26.24	26.25	26.30	26.21

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 0.65 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	443.0	506.0	261.0	405.0	355.0	268.0	100.0	51.0	139.0	212.0	148.0	230.0	3118.0
1932	542.0	348.0	360.6	325.3	96.5	33.2	61.5	152.3	159.4	171.9	510.4	387.1	3148.2
1933	584.5	576.9	289.9	432.9	93.8	49.1	151.1	44.4	271.7	246.7	320.9	397.1	3459.0
1934	387.7	293.1	508.8	188.5	154.7	41.8	196.7	28.0	264.4	124.4	357.1	509.2	3054.4
1935	1038.3	107.8	573.0	102.1	123.0	68.9	77.6	221.8	177.7	91.8	392.4	416.5	3390.9
1936	375.4	297.8	277.3	220.9	183.0	104.4	80.2	193.9	119.9	329.4	199.3	289.0	2670.5
1937	386.0	402.5	410.3	238.9	395.9	16.5	51.3	158.9	138.6	235.9	115.6	283.6	2834.0
1938	524.2	339.2	274.2	167.1	223.4	94.7	148.8	133.7	54.1	204.2	847.0	531.9	3542.5
1939	1513.1	473.8	456.0	228.6	59.7	39.9	83.3	54.0	200.0	283.7	151.9	296.1	3840.1
1940	84.2	328.4	369.8	206.7	128.8	184.1	45.5	85.3	97.6	172.9	90.8	198.3	1924.4
Mean	587.8	367.3	378.1	251.6	181.4	90.1	99.6	112.3	162.0	207.3	313.3	353.9	3104.8

\* See NOTES, p. 61.

## PAPEETE,\* TAHITI

Lat. 17°32' S. Long. 149°34' W. H<sub>b</sub> = 92.50 m.

## PRESSURE AT SEA LEVEL

Means of 24 hours

1,000 mb.+

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	11.2	11.1	12.3	12.2	13.0	13.8	13.8	15.5	14.2	13.9	12.6	10.8	12.8
1936	10.8	11.5	11.8	14.2	12.4	13.5	14.1	12.5	14.3	13.7	10.3	10.4	12.3
1937	11.5	11.3	11.2	11.7	13.5	13.8	13.6	14.7	15.0	13.3	10.7	11.2	12.7
1938	11.1	11.1	11.4	11.9	13.1	14.9	15.7	15.2	15.5	15.8	11.0	13.0	13.3
1939	12.7	12.0	12.5	12.6	12.7	13.5	15.1	13.1	14.0	12.0	10.8	10.9	12.7
1940	10.2	10.1	10.8	12.0	12.0	12.7	12.8	13.0	13.3	13.8	11.4	7.5	11.6
Mean	11.2	11.2	11.7	12.4	12.8	13.7	14.2	14.0	14.4	13.8	11.1	10.6	12.6

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 2 m.Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	26.4	26.3	26.9	26.8	26.0	25.4	25.4	25.2	25.1	26.4	26.8	26.2	26.1
1936	26.5	26.9	26.6	26.7	25.9	25.7	24.8	24.7	25.3	25.1	25.7	26.1	25.8
1937	26.5	27.0	26.9	26.9	25.9	25.5	25.8	25.4	25.9	26.8	27.2	27.2	26.4
1938	27.2	27.3	27.0	26.6	26.1	25.4	25.5	25.4	25.8	27.1	26.2	26.8	26.4
1939	27.4	26.6	27.3	26.8	26.3	25.6	25.4	25.5	25.6	25.6	27.0	27.2	26.4
1940	27.9	27.5	28.2	28.5	27.2	26.6	25.1	25.6	25.5	26.3	27.7	27.5	27.0
Mean	27.0	26.9	27.2	27.1	26.2	25.7	25.3	25.3	25.5	26.2	26.8	26.8	26.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.50 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	...	...	...	...	...	...	...	...	...	...	...	...	...
1932	...	...	...	...	...	...	...	...	...	...	...	...	...
1933	...	...	...	...	...	...	...	...	...	...	...	...	...
1934	...	...	...	...	...	...	...	...	...	...	...	...	...
1935	377.7	796.9	134.1	250.5	156.5	47.1	18.5	13.2	35.0	30.1	85.1	599.5	2544.2
1936	132.7	301.2	139.2	141.3	58.1	124.9	117.2	76.5	49.3	113.5	267.8	68.8	1590.5
1937	116.8	95.9	151.0	14.2	118.4	52.8	31.1	34.7	120.2	73.8	177.8	350.6	1337.3
1938	209.0	297.2	286.1	448.7	171.3	78.7	1.0	59.4	9.6	11.3	598.9	117.8	2289.0
1939	61.2	369.5	91.0	126.2	77.4	152.4	5.3	106.8	22.1	89.7	77.1	281.6	1460.3
1940	292.1	356.3	28.1	44.4	102.0	8.1	130.0	35.5	93.2	11.0	107.6	250.7	1459.0
Mean	198.3	369.5	138.3	170.9	114.0	77.3	50.5	54.4	54.9	56.9	219.1	278.2	1780.0

\* See NOTES, p. 63.



PART II

SEA-LEVEL PRESSURE AT 10° INTERSECTIONS  
OVER NORTHERN HEMISPHERE  
1929-1939

READ FROM INTERNATIONAL WEATHER MAPS

BY THE U. S. WEATHER BUREAU AT WASHINGTON, D. C.



# SEA-LEVEL PRESSURES AT 10° INTERSECTIONS OF LINES OF LATITUDE AND LONGITUDE OVER NORTHERN HEMISPHERE

## EXPLANATION OF DATA

(Authority, F. W. Reichelderfer, Chief, United States Weather Bureau.)

1. The mean pressures are in millibars of 950 plus the amounts given in the tables.

2. The hour of observation was 13<sup>h</sup>, Greenwich mean time.

3. The values of pressure were obtained by interpolation between isobars on analyzed daily weather maps. In very high and very low latitudes the isobars were extrapolated into regions of infrequent data by the map analyst. These values (north of 70° and south of 20°) are therefore not so reliable as the values in other regions, although the maps were analyzed as carefully as possible and much attention was given to continuity of the weather.

4. The pressures were obtained from the daily maps published in 1944 as "Historical Weather Maps, Daily Synoptic Series, Northern Hemisphere Sea Level," prepared through a cooperative project of the Army Air Forces and the Weather Bureau.

5. On each daily map the pressures were read twice for accuracy, punched on cards, and monthly totals and averages obtained by the use of punched-card machines. Although errors are not entirely eliminated by this procedure, discrepancies greater than 1 millibar are extremely rare in the daily values, and it is believed the monthly mean pressures are dependable to an accuracy of 0.5 millibar, except in the regions where available data were consistently scarce.

6. Although the daily maps were for the standard hour of 13<sup>h</sup>, G.M.T., not all the basic data were synoptic with that hour. In such cases the analyst took account of the difference adjustment.

In cases where no more than 2 months were missing, the yearly means were obtained by using normal values for the missing months.—EDITOR.





## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 90° N. (North Pole)\*

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.7	67.6	67.5	71.5	75.5	74.8	69.2	69.5	67.0	60.4	70.7	64.3	69.8
1930	59.8	61.9	73.5	76.3	68.4	67.7	71.7	...	65.7	67.3	65.5	70.7	67.6
1931	73.8	64.2	76.5	...	70.5	69.9	62.5	62.5	63.8	61.0	65.0	60.8	67.0
1932	64.8	61.1	75.6	77.6	78.3	70.3	64.9	...	60.4	62.5	63.7	63.6	67.1
1933	57.8	79.1	79.0	71.8	73.4	64.7	...	...	68.6	65.5	69.5	64.4	68.5
1934	57.0	54.9	70.5	72.3	...	67.1	63.8	67.2	75.9	67.5	69.0	72.1	67.0
1935	67.6	58.2	77.4	83.5	72.1	68.6	61.7	...	69.1	67.4	...	...	68.5
1936	78.0	83.4	71.3	72.1	66.1	62.5	65.1	62.2	63.1	67.4	62.2	58.0	67.6
1937	57.9	63.5	81.0	68.1	68.6	58.2	62.1	56.7	56.2	61.3	66.8	74.0	64.5
1938	62.1	64.5	62.5	68.1	...	...	...	57.1	...	...	73.4	...	...
1939	...	...	...	73.0	69.7	...	...	...	...	...	...	...	...
Mean	65.9	65.8	73.5	73.4	71.4	67.1	65.1	62.5	65.5	64.5	67.3	66.0	67.3

\* Pressure read from extrapolated isobars.

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 180°

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	82.9	75.9	70.1	69.5	72.8	74.3	71.7	66.8	69.9	60.1	75.2	67.5	71.4
1930	66.0	67.0	77.0	74.7	69.6	67.1	65.0	64.3	67.6	68.3	73.2	72.9	69.4
1931	80.1	78.0	80.8	...	70.9	68.3	60.1	64.0	65.2	63.3	65.5	65.5	69.1
1932	70.3	67.2	79.3	76.5	79.0	72.8	65.8	61.4	61.8	64.3	69.8	67.5	69.8
1933	61.7	84.9	80.4	74.0	71.1	66.6	...	...	72.2	64.7	76.1	69.5	70.7
1934	67.3	62.9	74.9	74.4	62.1	64.0	62.1	68.7	75.9	64.3	72.0	72.5	68.4
1935	70.7	64.9	77.2	82.4	74.4	67.1	62.1	...	67.9	62.6	...	...	...
1936	81.1	86.6	70.5	73.6	74.0	62.9	61.2	61.3	68.4	73.9	70.8	62.1	70.5
1937	59.4	62.8	81.0	68.6	69.6	60.4	64.8	57.5	56.4	63.6	65.8	75.6	65.5
1938	64.8	69.6	63.9	66.7	...	...	...	...	...	...	72.8	...	...
1939	...	...	...	69.3	68.9	...	...	...	...	...	...	...	...
Mean	70.4	71.5	75.5	73.0	71.2	67.1	64.1	63.4	67.1	65.0	71.2	69.1	69.1

Lat. 80° N. Long 170° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	83.1	75.4	70.8	70.0	73.6	74.7	71.9	67.1	70.3	60.0	75.4	67.5	71.7
1930	66.5	66.9	76.5	75.6	70.1	68.6	65.7	...	67.3	69.1	73.7	73.0	69.7
1931	79.5	73.4	82.0	...	71.6	68.8	60.1	64.2	65.8	63.7	65.2	65.5	69.5
1932	71.4	66.7	80.5	77.4	78.6	73.8	66.1	61.7	61.7	64.2	70.6	66.2	69.9
1933	63.0	83.6	80.4	74.6	71.6	66.9	...	...	71.5	65.3	76.0	69.6	70.8
1934	67.7	63.7	74.4	74.8	63.1	64.8	62.1	69.1	75.7	64.7	71.7	72.4	68.7
1935	71.1	65.7	77.5	82.4	74.5	65.8	62.5	63.0	67.9	62.4	...	...	69.4
1936	80.4	85.7	71.0	73.7	68.7	64.0	60.8	61.0	68.3	73.7	70.8	62.3	70.0
1937	59.9	63.8	80.8	69.0	70.1	60.5	64.9	57.7	57.1	64.3	66.4	76.0	65.9
1938	64.8	69.9	64.4	69.5	...	...	...	60.3	...	...	71.9	...	...
1939	...	...	...	69.8	69.3	...	...	...	...	...	...	...	...
Mean	70.7	71.5	75.8	73.7	71.1	67.5	64.3	63.0	67.3	65.3	71.3	69.1	69.2

Lat. 80° N. Long. 160° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	82.9	74.4	71.1	70.2	74.3	75.2	72.3	67.3	70.6	59.7	75.6	67.6	71.8
1930	66.7	66.7	76.0	76.4	70.3	70.0	68.4	...	66.8	69.9	73.8	73.0	69.9
1931	78.9	73.4	82.9	...	72.4	68.6	60.3	64.9	66.0	64.3	64.6	65.7	69.6
1932	72.1	66.1	81.1	78.3	78.5	74.0	66.6	62.0	61.7	63.9	71.0	64.7	70.0
1933	62.1	82.0	80.2	75.0	72.1	67.4	...	...	71.3	65.9	75.5	69.4	70.7
1934	67.7	64.4	72.2	72.7	64.1	65.9	61.9	69.0	75.5	65.5	71.7	72.0	68.7
1935	71.3	66.1	77.6	82.4	77.4	68.1	62.4	...	67.6	62.2	...	...	...
1936	80.2	85.1	71.3	69.9	70.0	64.8	60.5	60.9	67.9	73.4	70.6	62.1	69.7
1937	60.5	64.6	80.5	69.1	71.1	61.0	65.0	57.7	57.8	65.3	66.8	76.6	66.3
1938	65.1	70.2	64.8	69.8	...	...	...	60.2	...	...	71.1	...	...
1939	...	...	...	70.3	69.9	...	...	...	...	...	...	...	...
Mean	70.8	71.3	75.8	73.4	72.0	68.3	64.4	63.1	67.2	65.6	71.2	68.9	69.4

SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 150° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	82.3	73.3	70.7	70.4	74.7	75.7	71.9	67.2	70.9	59.6	75.4	67.7	71.7
1930	66.7	66.5	75.2	76.7	70.4	71.1	67.3	...	66.5	70.3	73.8	73.4	70.1
1931	78.3	73.3	83.5	...	72.9	68.5	60.2	65.3	66.1	64.9	63.7	65.7	69.7
1932	72.5	66.3	81.6	79.0	78.0	74.8	66.8	62.3	61.6	63.8	71.2	63.5	70.1
1933	61.5	80.4	79.8	75.5	72.7	67.6	...	...	70.6	66.4	74.6	69.3	70.5
1934	67.3	64.9	73.0	75.4	65.4	67.2	61.9	66.6	75.1	65.9	71.6	71.6	68.8
1935	70.9	66.5	77.5	82.0	75.1	68.3	62.6	...	67.1	62.1	...	...	...
1936	79.4	84.2	71.8	74.2	70.6	65.7	60.4	60.9	67.8	72.7	70.3	62.7	70.1
1937	60.8	65.5	80.5	69.6	71.4	61.4	65.1	57.4	58.4	66.0	67.5	76.5	66.7
1938	65.5	70.4	65.3	69.7	...	...	...	60.4	...	...	70.7	...	...
1939	...	...	...	70.4	70.3	...	...	...	...	...	...	...	...
Mean	70.5	71.1	75.9	74.3	72.2	68.9	64.5	62.9	67.1	65.7	71.0	68.8	69.5

Lat. 80° N. Long. 140° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	81.5	71.8	70.2	70.6	75.2	76.0	71.2	67.1	71.2	59.6	75.1	67.6	71.4
1930	66.5	66.2	74.6	76.9	70.5	71.8	68.0	...	66.3	70.7	73.7	73.7	70.2
1931	77.5	73.0	83.5	...	73.4	68.3	60.5	65.0	66.5	64.8	63.4	65.7	69.7
1932	72.6	66.3	81.9	79.5	77.6	74.7	66.8	62.0	61.5	63.8	71.1	62.1	70.0
1933	60.4	79.1	79.5	76.0	73.4	67.3	...	...	70.2	67.0	73.6	68.6	70.2
1934	66.6	65.2	72.1	75.8	65.9	68.0	62.3	68.1	74.6	66.4	71.4	71.0	69.0
1935	70.3	66.9	77.6	81.8	75.2	68.5	62.6	63.5	67.0	62.3	...	...	69.7
1936	78.9	83.1	72.2	74.1	71.7	66.4	60.7	61.0	67.8	72.0	69.6	62.8	70.0
1937	61.0	66.4	80.7	70.4	69.5	61.6	65.0	57.8	59.1	66.3	67.8	76.0	66.8
1938	66.3	70.5	65.9	69.8	...	...	...	61.0	...	...	70.1	...	...
1939	...	...	...	70.7	70.8	...	...	...	...	...	...	...	...
Mean	70.2	70.9	75.8	74.6	72.3	69.2	64.6	63.2	67.1	65.9	70.6	68.4	69.4

Lat. 80° N. Long. 130° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.9	70.1	69.8	71.4	75.3	76.1	70.4	67.1	71.3	59.8	74.5	67.5	71.1
1930	65.9	65.7	73.9	76.8	70.5	72.5	69.0	...	...	70.6	73.4	73.7	70.7
1931	76.4	72.3	82.8	...	73.6	68.0	60.6	64.2	66.6	64.4	62.6	65.7	69.3
1932	72.3	64.8	81.9	80.2	77.2	74.7	66.9	61.9	61.6	63.6	70.8	61.5	69.8
1933	59.2	77.8	79.0	76.4	73.9	67.6	...	...	69.7	67.7	72.0	67.8	69.9
1934	65.9	65.5	71.4	73.3	67.3	68.5	60.9	67.5	74.2	67.3	71.2	70.5	68.6
1935	69.9	67.2	77.0	81.6	76.0	68.7	63.2	...	66.6	62.6	...	...	...
1936	78.2	81.9	72.5	74.0	72.6	67.1	61.6	61.1	67.4	71.2	68.7	63.2	70.0
1937	61.3	67.4	81.1	71.7	72.1	62.1	64.8	57.7	59.8	66.5	68.3	74.9	67.3
1938	67.0	70.3	66.5	69.5	...	...	...	60.6	...	...	70.0	...	...
1939	...	...	...	71.0	71.3	...	...	...	...	...	...	...	...
Mean	69.6	70.3	75.6	74.6	73.0	69.5	64.7	62.9	67.2	66.0	70.2	68.1	69.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 120° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.4	68.2	69.0	71.7	75.3	76.2	69.5	67.1	71.2	60.1	73.9	67.2	70.7
1930	64.9	65.0	73.4	76.5	70.7	72.8	69.8	...	...	70.3	73.2	73.6	70.0
1931	74.9	71.8	81.8	...	73.9	68.0	61.0	63.2	66.6	64.5	62.0	65.4	69.0
1932	71.7	63.9	81.5	81.0	76.7	74.6	66.8	61.5	61.8	63.4	69.7	60.6	69.4
1933	57.8	72.7	78.2	76.8	74.0	67.9	...	...	69.5	68.3	70.0	66.5	69.1
1934	65.1	65.3	70.4	76.1	68.6	69.0	63.4	64.7	73.7	67.8	71.0	70.0	68.8
1935	69.3	66.8	76.1	81.1	76.4	68.9	63.7	61.2	66.4	63.1	...	...	69.2
1936	77.5	80.6	72.7	74.0	73.2	67.5	62.3	61.2	67.6	70.2	67.4	63.7	69.8
1937	61.5	68.2	81.0	72.7	72.6	62.6	64.5	57.9	60.3	66.7	68.7	74.1	67.6
1938	68.0	69.9	67.2	69.1	...	...	...	60.5	...	...	69.6	...	...
1939	...	...	...	71.8	71.8	...	...	...	...	...	...	...	...
Mean	68.9	69.2	75.1	75.1	73.3	69.7	65.1	62.2	67.1	66.0	69.5	67.6	69.1

Lat. 80° N. Long. 110° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	76.6	66.4	68.5	72.4	74.9	75.8	68.5	67.0	70.5	60.5	73.0	66.4	70.0
1930	64.0	64.3	72.8	76.4	70.7	72.7	70.3	...	...	69.9	72.3	73.1	69.8
1931	73.3	71.0	80.8	...	74.2	68.0	61.3	62.6	66.4	64.5	60.9	65.0	68.6
1932	70.9	62.7	80.8	80.9	76.3	74.0	66.8	61.3	61.8	62.9	68.3	59.3	68.8
1933	56.5	74.9	76.9	76.8	73.8	68.1	...	...	69.0	68.9	68.0	65.4	68.8
1934	63.9	65.1	69.2	75.9	69.2	69.3	64.1	66.0	73.1	68.6	70.5	69.5	68.7
1935	68.3	65.6	75.3	81.2	76.8	68.8	63.2	60.6	66.6	63.6	...	...	68.8
1936	77.1	79.2	73.1	73.6	73.0	67.5	63.2	61.5	66.9	68.9	65.7	63.9	69.6
1937	61.6	69.1	81.2	73.6	73.0	62.7	64.5	57.7	60.6	66.6	68.8	73.5	67.7
1938	68.8	69.2	67.1	68.8	...	...	...	60.5	...	...	69.2	...	...
1939	67.0	...	...	72.3	71.9	...	...	...	...	...	...	...	...
Mean	68.0	68.8	74.6	75.2	73.4	69.7	65.2	62.2	66.9	66.0	68.5	67.0	68.8

Lat. 80° N. Long. 100° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.9	64.8	67.3	72.8	75.0	75.3	67.7	66.9	69.9	60.8	71.9	65.5	69.4
1930	62.9	63.5	71.9	75.8	70.8	72.3	70.7	...	...	69.5	71.3	71.8	69.1
1931	71.2	70.4	79.6	...	74.3	67.6	61.8	62.5	66.3	60.3	59.8	64.4	67.8
1932	69.7	62.1	79.7	80.5	75.7	73.4	66.6	60.5	62.0	62.4	66.7	58.0	68.1
1933	55.0	73.3	75.6	76.3	72.4	67.6	...	...	68.4	68.6	65.8	64.0	67.8
1934	62.7	64.4	67.9	75.6	69.5	69.2	65.0	65.3	72.2	68.8	69.7	68.8	68.3
1935	67.4	64.2	74.4	80.9	76.6	69.1	62.6	60.2	66.9	63.7	...	...	68.3
1936	76.1	77.8	73.7	73.2	72.4	67.2	64.2	61.5	64.0	67.2	64.2	64.2	68.8
1937	61.1	69.6	80.3	74.3	72.9	63.1	64.0	57.4	60.7	66.5	68.2	72.4	67.5
1938	69.4	68.2	66.7	67.9	70.4	...	...	60.3	...	62.2	68.6	...	...
1939	66.4	...	...	73.2	71.7	...	...	...	...	...	...	...	...
Mean	66.0	67.8	73.7	75.1	72.9	69.4	65.3	61.8	66.3	65.0	67.4	66.1	68.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 90° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.6	63.5	66.2	72.9	73.5	74.7	67.2	67.1	69.0	61.0	70.8	64.1	68.6
1930	61.9	62.5	71.3	75.6	70.5	71.8	70.7	...	...	69.1	70.1	70.3	68.4
1931	69.6	69.5	78.5	...	74.3	67.3	62.4	62.3	66.2	64.5	59.7	63.3	67.7
1932	68.4	61.5	77.9	79.9	75.0	72.6	66.1	59.9	62.0	61.8	64.9	56.5	67.2
1933	53.6	72.0	74.3	75.4	73.2	66.8	...	...	67.7	68.4	63.8	62.8	67.1
1934	61.4	63.1	66.6	75.4	69.3	69.3	65.5	65.0	71.2	68.7	68.6	67.8	67.7
1935	66.8	63.0	73.2	80.5	76.7	68.7	61.7	59.8	65.2	63.4	...	...	67.5
1936	74.6	76.6	73.7	72.8	71.4	66.7	64.7	61.9	61.3	65.5	62.5	63.9	68.0
1937	60.7	69.9	80.0	74.4	72.4	62.9	64.0	56.8	60.3	66.4	67.2	71.3	67.2
1938	69.8	67.2	66.2	67.0	70.8	...	...	60.1	...	61.7	68.1	...	...
1939	66.9	...	...	74.0	71.8	...	...	...	...	...	...	...	...
Mean	66.1	66.9	72.8	74.8	72.6	69.0	65.3	61.6	65.4	65.1	66.2	65.0	67.7

Lat. 80° N. Long. 80° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.8	62.6	65.1	72.5	72.6	74.2	67.0	67.4	67.9	60.9	69.4	62.7	67.9
1930	60.9	61.4	70.3	75.3	70.0	71.3	70.8	...	...	68.6	68.9	68.4	67.7
1931	68.5	68.4	77.7	...	74.1	67.6	63.1	62.1	65.7	64.4	59.2	62.5	67.3
1932	66.8	61.3	76.4	78.5	74.7	71.6	66.0	59.5	62.5	61.2	63.3	55.2	66.4
1933	52.4	70.9	73.0	74.6	72.1	66.4	...	...	66.8	68.2	62.1	61.3	66.2
1934	60.1	61.8	65.5	74.9	68.7	69.2	65.7	64.7	70.0	68.3	67.3	66.4	66.9
1935	66.2	61.3	71.9	80.0	76.0	68.2	61.2	59.7	67.8	63.1	...	...	67.0
1936	73.5	75.7	73.7	72.2	70.4	65.8	65.0	61.8	62.8	64.0	60.7	62.7	67.4
1937	60.2	69.8	79.1	69.1	67.1	62.8	63.7	56.7	60.2	66.2	66.2	70.2	65.9
1938	69.4	66.3	65.8	65.9	71.5	63.0	...	60.1	63.4	61.5	67.6	...	65.3
1939	66.4	...	...	75.0	71.6	...	...	...	...	...	...	...	...
Mean	65.2	66.0	71.9	73.8	71.7	68.0	65.3	61.5	65.2	64.6	65.0	63.7	66.8

Lat. 80° N. Long. 70° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.1	61.8	64.5	72.3	72.1	73.7	67.0	67.8	66.6	60.9	68.1	60.9	67.3
1930	60.1	60.3	69.5	75.1	69.6	70.6	70.6	...	...	68.1	67.4	66.6	67.0
1931	67.5	67.5	76.8	...	73.8	68.2	63.5	61.8	65.2	64.0	58.9	61.4	66.9
1932	65.0	61.0	74.9	77.6	74.6	70.9	66.0	58.7	62.2	60.7	62.2	54.1	65.7
1933	51.9	69.7	72.0	74.0	71.8	65.3	...	...	65.7	67.6	60.6	60.2	65.4
1934	58.9	61.2	64.6	74.2	68.1	68.9	65.9	64.6	68.9	67.6	66.0	65.1	66.2
1935	65.5	60.2	70.9	79.6	75.5	67.4	58.4	60.2	68.4	62.6	...	69.3	66.8
1936	72.7	75.1	73.6	71.6	69.4	64.9	65.2	61.7	65.6	62.3	58.9	61.4	66.9
1937	59.4	69.8	79.0	73.9	70.8	62.2	63.8	56.5	59.9	65.9	65.5	69.1	66.3
1938	68.5	65.5	65.3	62.6	71.8	...	...	60.1	62.9	60.8	67.6	...	...
1939	66.7	...	...	75.5	71.1	...	...	...	...	...	...	...	...
Mean	64.4	65.2	71.1	73.6	71.7	68.0	65.1	61.4	65.0	64.1	63.9	63.1	66.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 60° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.2	61.7	63.8	72.3	71.8	73.5	67.3	68.2	65.3	60.8	66.9	59.5	68.9
1930	59.2	59.3	69.1	75.0	69.3	69.8	70.4	...	...	67.4	65.9	64.8	66.4
1931	67.1	66.1	76.3	...	73.6	68.9	63.7	61.8	64.5	64.1	58.6	60.7	66.6
1932	63.6	61.3	73.8	77.1	74.8	69.9	66.0	58.4	62.1	60.3	61.8	54.5	65.3
1933	51.7	69.3	71.8	73.9	71.6	64.5	...	...	64.7	67.6	60.0	59.7	65.1
1934	58.0	59.8	64.0	73.6	67.4	68.9	64.0	65.0	68.0	67.1	64.6	64.1	65.4
1935	64.6	59.2	67.3	79.3	75.1	67.0	60.5	60.6	68.6	62.3	...	69.2	66.4
1936	72.3	75.4	73.5	71.3	68.6	63.8	65.6	61.5	65.2	61.1	57.9	60.1	66.4
1937	58.9	69.8	78.9	73.0	68.2	61.4	63.7	56.4	59.7	65.6	65.1	68.5	65.8
1938	67.4	64.8	64.8	65.0	72.4	...	...	60.1	63.0	60.9	67.5	64.4	65.3
1939	67.5	...	...	75.7	70.5	...	...	...	...	...	...	...	...
Mean	63.9	64.7	70.3	73.6	71.2	67.5	65.2	61.5	64.6	63.7	63.1	62.6	66.0

Lat. 80° N. Long. 50° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.3	62.1	63.7	72.7	72.4	73.7	67.4	68.5	63.9	60.7	66.0	58.2	66.9
1930	58.9	58.4	69.4	74.9	68.9	69.1	70.3	...	67.7	66.5	64.2	63.0	66.1
1931	67.1	64.8	75.6	...	73.7	69.8	63.9	61.8	64.2	64.2	58.3	59.6	66.4
1932	62.4	62.0	73.8	76.9	75.3	69.6	66.2	58.5	62.1	60.7	62.3	55.5	65.4
1933	51.8	69.8	72.7	74.4	71.9	63.7	...	...	63.6	67.6	59.9	59.9	65.2
1934	57.1	59.2	61.6	73.5	66.8	68.6	64.0	65.3	67.5	66.5	63.9	64.0	64.8
1935	64.2	58.5	70.8	79.3	74.7	64.8	60.7	61.4	69.2	62.1	...	70.6	61.4
1936	72.5	76.6	73.3	71.4	68.1	63.0	66.0	61.4	64.8	60.4	57.4	58.5	66.1
1937	58.4	69.5	79.1	72.1	67.4	60.2	64.0	56.5	60.0	65.6	65.2	68.4	65.1
1938	65.7	64.0	64.1	65.1	72.3	...	...	60.4	62.9	61.2	67.6	65.3	65.1
1939	68.2	...	...	75.8	70.3	...	...	...	...	...	...	...	...
Mean	63.3	64.5	70.4	73.6	71.1	66.9	65.3	61.7	65.0	63.6	62.6	62.3	65.0

Lat. 80° N. Long. 40° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.1	62.8	63.8	73.6	73.3	74.0	66.9	68.6	62.6	60.4	65.0	57.1	66.9
1930	58.3	57.7	69.5	74.9	68.8	67.9	69.8	...	68.2	65.5	62.2	61.3	65.6
1931	67.3	62.8	75.0	...	73.8	70.7	64.2	61.2	64.2	64.3	58.7	58.4	66.4
1932	61.3	62.9	74.3	76.8	75.5	69.4	66.5	58.7	61.8	61.7	62.8	56.6	65.7
1933	51.0	70.2	73.9	74.7	72.6	63.4	...	...	61.0	67.6	60.4	60.8	65.2
1934	56.0	58.4	63.2	73.2	66.3	68.3	66.1	65.7	67.5	66.0	63.2	64.3	64.9
1935	63.8	57.7	72.6	79.5	74.6	66.9	60.9	61.4	69.8	62.0	63.4	71.5	66.9
1936	73.1	77.6	73.2	71.4	68.1	62.5	66.2	61.3	62.3	60.4	57.3	56.5	65.8
1937	58.1	68.9	79.2	70.8	67.8	59.2	64.0	57.0	60.3	65.2	65.3	68.1	65.3
1938	63.7	62.6	63.2	65.4	72.7	...	62.2	60.6	62.5	61.0	67.3	65.6	64.5
1939	68.2	61.4	...	75.1	70.3	66.5	...	...	...	...	...	...	...
Mean	63.2	63.9	70.7	73.5	71.3	68.9	65.2	61.8	64.0	63.4	62.6	62.0	65.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 30° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.3	63.4	64.5	74.1	74.2	73.6	66.1	68.3	61.7	59.8	64.1	56.3	66.8
1930	57.5	57.3	68.6	74.5	68.5	66.7	69.6	69.8	68.5	64.2	60.1	60.0	65.4
1931	67.2	60.7	74.3	...	73.6	71.3	64.3	60.6	64.0	63.5	58.6	56.8	67.0
1932	59.9	63.0	74.8	76.5	75.7	69.2	66.6	58.7	61.1	62.2	61.9	55.7	65.4
1933	49.3	70.2	74.4	73.8	72.8	63.7	...	...	63.5	67.2	60.7	61.5	65.4
1934	53.9	57.2	63.0	72.5	65.8	68.0	66.2	64.0	67.8	65.3	62.7	64.9	64.3
1935	63.1	55.9	72.1	79.3	74.1	67.1	61.8	62.5	69.3	61.8	63.7	71.7	66.8
1936	73.1	78.4	73.4	71.1	68.0	62.0	66.4	61.0	63.9	59.9	57.2	53.7	65.7
1937	57.2	68.4	79.7	69.4	68.0	58.2	64.3	57.6	60.4	64.4	65.1	67.9	65.1
1938	61.2	60.8	61.8	65.5	72.9	64.8	62.7	60.5	61.4	61.0	66.3	66.0	63.7
1939	67.5	59.7	68.3	74.2	69.7	65.3	...	...	...	...	...	...	...
Mean	62.3	63.2	70.4	73.1	71.2	66.4	65.3	62.6	64.2	62.9	62.0	61.5	65.4

Lat. 80° N. Long. 20° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.9	63.8	64.4	74.0	73.8	72.5	64.7	67.3	60.3	58.8	62.9	55.2	66.1
1930	56.6	56.4	67.1	74.1	68.0	65.1	69.0	68.9	68.6	62.8	57.6	58.7	64.4
1931	66.0	58.4	72.7	...	72.9	71.0	64.1	59.7	63.6	62.2	58.6	54.7	64.7
1932	58.2	62.0	74.5	75.6	75.4	68.5	66.6	58.5	60.2	62.6	60.3	53.8	64.7
1933	47.0	69.9	73.7	71.7	72.5	62.8	...	...	63.5	66.2	60.6	62.4	64.8
1934	51.3	55.5	62.5	71.3	65.2	67.5	64.3	66.4	68.2	63.8	61.7	65.2	63.6
1935	62.0	53.2	71.9	78.5	73.4	67.4	61.8	62.2	69.7	61.2	63.7	70.5	66.3
1936	72.2	78.1	70.3	70.3	68.0	61.3	66.2	61.1	62.8	58.9	56.5	50.6	64.7
1937	56.1	66.7	79.2	67.6	62.4	57.4	64.5	58.1	60.2	62.7	64.0	67.3	63.9
1938	58.4	58.4	59.7	65.0	72.6	65.2	62.6	60.0	59.4	60.6	64.4	66.0	62.7
1939	66.3	57.4	68.1	72.5	69.3	64.0	...	...	...	...	...	...	...
Mean	60.9	61.8	69.6	72.1	70.3	65.7	64.9	62.5	63.7	62.0	61.0	60.4	64.6

Lat. 80° N. Long. 10° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.6	64.0	64.1	73.4	72.7	70.7	62.7	65.8	58.7	57.6	61.8	54.0	65.1
1930	55.4	55.1	65.3	73.7	67.4	63.5	68.0	68.6	68.5	60.8	55.3	57.4	63.3
1931	64.6	55.8	70.6	...	71.8	70.2	63.5	59.2	61.8	59.5	58.5	52.5	63.2
1932	56.1	61.1	73.1	74.0	74.5	67.6	66.2	58.1	58.9	61.6	57.9	51.9	63.4
1933	45.6	69.2	72.0	68.8	72.0	62.5	...	...	63.5	64.7	60.2	62.1	63.9
1934	48.1	53.6	61.7	69.8	63.8	66.9	64.3	66.5	68.3	62.1	59.9	64.7	62.5
1935	59.7	49.7	70.8	77.4	72.1	67.5	61.8	61.7	68.9	60.1	62.7	68.3	65.1
1936	70.1	76.7	71.0	69.9	67.5	60.9	65.9	60.9	61.0	57.4	55.4	47.2	63.7
1937	54.9	64.0	77.5	65.8	65.8	56.5	64.7	58.6	59.5	60.7	62.6	66.5	63.1
1938	55.5	55.6	57.0	64.1	70.9	65.2	62.7	59.5	57.9	60.8	62.5	65.8	61.5
1939	64.9	55.2	67.5	70.1	68.8	62.7	...	...	...	...	...	...	...
Mean	59.1	66.0	68.2	70.7	68.4	64.9	64.4	62.1	62.7	60.5	59.7	59.0	63.8

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 0°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.4	64.2	63.3	71.8	72.0	68.9	60.7	64.5	58.3	56.3	60.4	52.9	64.1
1930	53.9	53.5	63.7	73.6	67.1	62.2	67.1	68.6	68.6	59.6	53.2	57.0	62.3
1931	63.4	53.1	68.4	...	70.1	68.9	62.4	58.7	59.9	57.2	58.7	50.2	61.7
1932	53.9	58.8	71.8	71.9	73.6	66.5	65.8	57.4	57.6	60.6	55.9	50.3	62.0
1933	46.4	68.0	70.4	65.7	71.2	62.2	59.8	58.0	63.6	63.4	59.7	61.7	62.5
1934	44.7	51.7	61.1	67.6	62.6	66.2	66.5	66.4	68.4	60.0	57.9	63.4	61.4
1935	57.5	46.7	69.0	75.7	70.3	66.6	61.5	61.6	67.6	59.0	61.5	66.0	63.6
1936	67.6	74.5	69.9	67.5	66.8	60.5	65.4	61.0	58.9	56.0	53.6	44.3	62.2
1937	53.7	60.9	75.5	64.2	64.7	56.0	65.1	59.3	58.6	58.3	60.7	65.9	61.9
1938	52.6	53.2	54.5	62.8	69.1	64.7	62.4	58.8	56.2	60.3	60.3	65.5	60.0
1939	63.3	52.9	65.8	67.5	68.3	61.8	...	...	...	...	...	...	...
Mean	57.5	58.0	66.7	68.8	68.7	64.0	63.7	61.4	61.8	59.1	58.2	57.7	62.1

Lat. 80° N. Long. 10° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.0	64.8	62.0	70.3	71.2	67.2	59.3	63.5	56.6	55.2	59.7	52.6	63.1
1930	52.7	52.4	63.3	73.4	66.5	61.0	66.4	68.6	67.7	58.7	51.6	57.3	61.6
1931	62.5	51.2	66.2	...	68.5	68.0	61.4	58.7	57.8	54.7	59.5	48.3	60.3
1932	52.1	57.7	70.2	70.1	72.2	65.7	65.3	56.8	58.3	59.7	54.3	50.1	61.0
1933	48.5	67.2	69.2	63.0	70.5	62.0	...	56.8	64.0	61.6	59.4	61.4	62.3
1934	42.5	49.0	61.0	65.5	61.2	65.5	66.2	66.1	68.8	58.3	56.0	62.6	60.2
1935	55.4	44.7	67.5	74.7	68.6	65.9	61.0	61.6	66.2	58.8	62.3	64.7	62.6
1936	55.0	72.7	67.8	66.0	66.0	60.2	64.7	61.2	57.2	55.1	52.0	42.4	60.0
1937	53.1	58.0	74.1	62.6	63.5	55.6	65.5	60.0	57.7	56.1	58.7	65.3	60.9
1938	50.2	50.8	51.4	61.8	67.6	63.6	62.4	58.1	54.8	60.5	59.1	66.2	58.9
1939	61.9	51.9	64.6	65.4	68.1	60.2	...	...	...	...	...	...	...
Mean	55.4	56.4	65.2	67.3	67.6	63.2	63.6	61.1	60.9	57.9	57.3	57.1	61.1

Lat. 80° N. Long. 20° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.6	65.4	60.9	69.0	71.0	66.1	58.6	63.4	56.3	54.8	59.6	53.4	62.8
1930	51.7	52.5	63.4	73.2	66.5	59.9	66.2	68.8	67.2	58.1	50.4	57.9	61.3
1931	62.4	50.9	64.9	...	66.7	67.5	60.9	58.8	56.7	52.8	60.1	47.6	59.6
1932	51.1	56.8	68.5	68.6	71.3	65.1	64.3	56.8	55.3	59.3	53.6	51.0	60.1
1933	51.0	67.1	68.6	61.6	70.0	61.5	...	56.4	63.9	60.1	59.6	61.1	62.0
1934	41.4	46.8	61.7	64.2	60.5	64.9	66.0	66.0	69.2	57.2	55.2	62.3	59.6
1935	54.3	43.4	66.1	74.8	66.8	65.2	60.6	62.0	64.9	59.6	61.9	63.9	62.0
1936	64.7	72.0	66.3	64.8	65.1	59.7	64.7	61.3	55.4	55.1	51.0	41.7	60.2
1937	53.5	56.5	73.7	62.4	62.9	55.6	65.8	60.3	56.7	54.6	58.2	65.5	60.5
1938	48.9	50.1	49.7	60.7	66.5	63.4	62.2	57.4	54.1	60.9	58.6	67.6	58.3
1939	61.0	50.9	64.3	64.0	67.5	59.2	...	...	...	...	...	...	...
Mean	55.9	55.7	64.4	66.3	66.8	62.6	63.3	61.1	60.0	57.3	56.8	57.2	60.6



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 30° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.0	66.1	60.2	67.9	70.9	65.6	58.6	63.4	57.0	54.6	60.0	55.5	62.9
1930	50.9	54.2	63.9	73.4	67.0	59.4	66.5	69.1	66.3	58.0	49.9	59.4	61.5
1931	63.4	50.9	63.9	...	65.8	67.2	60.5	59.2	56.7	51.0	61.0	47.8	59.4
1932	50.4	56.2	67.2	67.4	70.5	64.3	63.9	57.0	54.5	59.2	53.3	52.4	59.7
1933	53.5	68.0	68.6	60.8	69.5	60.4	55.7	55.3	64.4	58.8	60.1	60.5	61.3
1934	42.6	44.8	63.4	62.6	60.3	64.2	65.5	65.6	69.8	56.5	55.4	62.3	59.4
1935	53.7	43.5	65.8	75.1	65.1	64.4	60.3	62.1	64.0	61.0	62.6	62.5	61.7
1936	64.8	72.2	65.1	63.3	64.1	59.2	64.3	61.6	53.8	55.5	50.4	43.1	59.8
1937	54.5	55.4	74.0	62.2	61.8	55.6	65.9	60.3	56.0	54.2	58.4	65.9	60.4
1938	49.1	50.1	49.0	60.9	65.8	63.2	61.5	56.4	53.6	61.6	59.0	69.7	59.3
1939	60.6	50.2	64.5	63.2	66.9	58.0	...	...	...	...	...	...	...
Mean	56.2	55.6	64.1	65.7	66.2	62.0	62.3	61.0	59.6	57.0	57.0	57.9	60.4

Lat. 80° N. Long. 40° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.4	66.5	59.6	66.8	71.2	65.5	59.6	63.7	57.9	54.6	60.7	58.0	63.3
1930	50.5	56.5	64.5	73.4	67.6	58.6	67.1	69.4	65.2	57.8	49.7	61.6	61.8
1931	64.5	52.1	63.8	...	64.7	67.3	60.2	60.0	56.5	49.7	62.3	49.0	59.6
1932	49.6	55.4	66.5	66.5	70.0	63.7	63.0	57.4	53.9	59.4	53.6	54.3	59.4
1933	56.3	68.9	68.5	60.8	69.5	59.4	54.9	...	64.7	57.7	61.2	59.6	61.9
1934	42.1	43.8	65.7	61.5	60.3	63.7	64.8	64.9	70.5	56.3	56.3	62.2	59.3
1935	53.7	44.5	65.7	76.1	63.8	63.6	59.9	61.2	63.2	63.0	...	60.7	61.0
1936	66.7	73.4	64.4	62.2	62.9	58.4	63.9	62.0	52.7	56.1	49.9	45.2	59.8
1937	55.5	54.4	74.9	61.8	61.0	55.9	65.9	60.0	55.8	54.1	59.4	66.1	60.4
1938	50.0	50.8	48.8	60.8	65.5	63.6	60.7	55.1	53.0	62.3	59.6	72.9	58.6
1939	61.0	49.8	64.9	62.7	66.2	57.3	...	...	...	...	...	...	...
Mean	56.8	56.0	64.3	65.3	65.7	61.5	62.0	61.5	59.3	57.1	57.0	59.0	60.5

Lat. 80° N. Long. 50° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.9	67.1	59.2	65.8	71.2	65.7	60.4	64.5	59.2	54.6	61.2	60.7	63.8
1930	50.6	58.8	65.4	73.0	68.2	58.4	67.6	69.4	63.8	58.6	50.8	64.2	62.4
1931	66.2	53.4	64.3	...	63.8	67.6	59.8	60.7	57.1	50.1	63.8	50.8	60.2
1932	49.1	54.7	65.7	65.9	69.5	62.7	63.0	57.6	53.5	59.5	54.4	56.3	59.3
1933	59.4	70.4	68.9	61.1	69.1	58.8	54.6	...	65.2	56.4	62.3	58.7	62.2
1934	43.4	42.9	67.8	60.2	60.2	62.8	64.2	64.5	70.8	56.2	57.3	62.1	59.4
1935	53.7	46.1	66.4	77.1	62.9	62.9	59.2	60.9	62.8	64.8	...	61.2	61.3
1936	68.8	74.9	64.7	61.2	62.0	57.4	63.7	62.4	51.8	56.8	50.3	47.7	60.1
1937	56.1	53.4	76.0	61.5	60.2	56.2	65.5	59.4	54.8	54.5	60.0	67.0	60.4
1938	51.1	52.2	49.3	61.1	65.4	...	60.2	54.7	52.9	63.6	60.7	75.0	58.9
1939	61.9	47.3	65.9	62.8	65.7	56.4	...	...	...	...	...	...	...
Mean	57.8	56.5	64.9	65.0	65.3	60.9	61.8	61.6	59.2	57.5	57.9	60.4	60.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 60° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	76.5	67.8	59.1	64.7	71.4	66.2	61.5	64.7	60.4	55.3	61.4	63.1	64.3
1930	51.1	60.7	65.5	71.8	67.8	57.6	66.8	68.8	63.0	60.0	52.0	65.8	62.6
1931	68.2	54.8	65.2	...	62.9	67.9	59.7	61.5	57.6	48.9	64.9	52.6	60.7
1932	49.1	54.1	65.4	65.1	69.4	60.9	62.8	58.1	53.6	59.5	55.2	58.5	59.3
1933	62.1	72.8	69.3	62.1	68.6	58.9	56.4	...	65.7	55.1	63.1	58.2	62.8
1934	44.8	42.5	69.7	59.4	60.0	62.2	63.3	64.5	71.2	56.3	57.9	62.2	59.5
1935	53.6	47.8	67.0	77.4	62.6	62.2	58.7	60.0	62.3	66.0	...	62.4	61.6
1936	70.2	76.5	63.7	61.1	61.0	56.8	63.4	62.8	51.3	57.9	51.4	49.2	60.4
1937	56.3	53.2	76.9	61.0	59.8	56.5	64.9	58.7	54.3	54.7	60.3	67.8	60.4
1938	52.6	53.9	49.9	61.6	65.6	...	...	53.8	52.1	63.9	62.0	...	...
1939	62.1	...	66.9	63.0	65.4	...	...	...	...	...	...	...	...
Mean	58.8	58.4	65.3	64.7	65.0	61.0	61.9	61.4	59.2	57.8	58.7	60.0	61.0

Lat. 80° N. Long. 70° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	77.0	68.8	59.0	63.6	71.1	66.9	62.7	65.0	62.0	56.1	61.6	64.8	64.9
1930	51.9	62.2	65.4	70.6	67.2	57.1	67.5	67.8	62.7	61.7	53.9	67.5	63.0
1931	70.5	56.6	66.9	...	62.5	68.4	59.4	62.0	58.2	49.5	65.5	54.5	61.6
1932	49.4	53.4	65.4	65.0	69.7	61.7	62.9	58.4	53.7	59.3	56.1	60.5	59.6
1933	64.3	74.9	69.4	63.0	68.1	58.3	58.1	...	66.0	53.8	63.7	58.7	63.3
1934	46.7	42.7	71.5	58.9	59.4	61.7	62.3	64.4	71.7	56.5	58.8	62.2	59.7
1935	53.5	49.4	67.9	77.7	62.6	61.9	57.8	59.4	62.3	66.8	...	63.8	61.9
1936	71.7	78.1	63.8	61.2	60.0	56.0	63.2	63.1	51.7	59.2	53.1	51.3	61.0
1937	56.5	53.7	77.4	60.9	59.8	56.9	64.4	57.9	52.5	54.4	60.0	68.2	60.2
1938	53.7	56.0	51.1	62.3	65.0	...	...	53.1	54.2	...	63.8	...	...
1939	...	...	...	63.4	65.2	...	...	...	...	...	...	...	...
Mean	59.5	59.6	65.8	64.7	64.6	61.0	62.0	61.2	59.5	57.5	59.6	61.9	61.4

Lat. 80° N. Long. 80° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	77.6	69.6	59.1	62.9	70.5	67.6	63.5	65.0	63.6	57.0	61.9	66.2	65.4
1930	53.4	63.2	65.6	69.9	66.4	57.0	67.1	66.9	62.2	63.2	56.3	69.1	63.4
1931	72.3	58.6	68.6	...	62.1	68.3	59.0	62.5	59.0	50.7	65.7	56.4	62.4
1932	50.4	54.9	65.8	65.7	70.7	61.9	62.9	58.7	54.5	59.2	57.0	62.2	60.3
1933	65.8	77.2	70.5	64.4	68.2	57.8	...	...	66.5	53.3	64.7	58.9	64.2
1934	49.8	45.4	73.4	59.5	58.6	61.2	61.4	64.6	71.8	57.1	60.0	62.7	60.5
1935	53.8	51.0	68.7	77.8	63.2	61.9	57.5	58.9	62.1	66.8	...	65.1	62.3
1936	73.2	79.6	64.2	61.7	59.3	56.0	62.9	63.0	52.7	60.9	55.8	53.3	61.9
1937	56.6	54.1	77.9	61.3	60.0	57.5	63.7	56.8	50.9	54.6	60.1	68.7	60.2
1938	55.5	58.1	52.4	62.7	...	...	...	53.2	...	...	66.2	...	...
1939	...	...	...	64.3	65.3	...	...	...	...	...	...	...	...
Mean	60.8	61.2	66.6	65.0	64.4	61.0	62.3	61.1	60.4	58.1	60.9	62.5	62.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.2	70.8	60.3	62.4	70.2	68.4	64.3	64.9	64.8	57.5	63.6	67.2	66.1
1930	55.7	63.9	66.2	69.4	66.4	57.5	66.3	66.0	62.6	64.8	58.7	70.7	64.0
1931	74.4	60.4	70.5	...	62.1	68.4	58.8	62.6	59.6	51.8	65.4	58.4	63.2
1932	51.9	56.7	66.6	67.1	71.9	62.6	63.1	59.4	55.7	59.1	58.3	64.0	61.4
1933	66.8	79.9	72.0	65.4	68.3	58.1	...	...	67.2	53.0	65.8	59.9	65.0
1934	51.6	45.5	75.1	60.4	57.8	60.9	60.6	65.1	72.3	57.8	61.6	63.8	61.0
1935	54.7	52.3	70.1	77.9	64.0	62.1	57.2	58.4	62.3	67.2	...	65.5	62.8
1936	74.6	81.0	64.5	62.7	58.9	56.1	62.9	62.9	54.3	62.6	58.0	54.6	62.8
1937	56.4	55.4	78.3	61.4	59.8	57.8	63.4	55.8	50.0	54.8	60.1	69.1	60.2
1938	56.4	60.0	54.1	63.3	...	...	...	54.0	...	...	68.8	...	...
1939	...	...	...	65.1	65.3	...	...	...	...	...	...	...	...
Mean	62.1	62.6	67.8	65.5	64.5	61.3	62.1	61.0	61.0	58.7	62.3	63.7	62.7

Lat. 80° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.8	72.2	60.8	62.3	69.5	69.2	65.2	64.8	66.1	58.5	64.3	67.8	66.6
1930	57.9	64.5	67.2	69.0	65.7	58.1	65.7	65.1	63.2	65.6	61.6	71.5	64.6
1931	76.1	61.7	71.5	...	62.5	68.5	58.5	62.2	60.2	53.2	65.9	59.8	64.6
1932	53.9	58.9	68.5	68.4	72.8	63.6	62.9	59.8	57.4	59.6	59.2	65.6	62.6
1933	67.8	82.1	73.4	66.4	68.5	58.9	...	...	67.6	53.5	67.1	61.3	65.8
1934	54.3	47.4	76.2	61.9	57.2	60.9	60.1	65.3	72.7	58.7	62.8	65.4	61.9
1935	55.9	53.8	71.6	78.1	65.1	62.3	57.3	58.4	62.9	67.3	...	67.0	63.6
1936	76.6	82.6	64.8	54.3	59.2	57.4	62.7	62.5	56.2	64.5	60.5	56.0	63.1
1937	56.0	56.4	78.5	62.2	59.8	58.4	63.0	55.2	50.1	55.3	60.3	69.4	60.4
1938	57.8	62.4	56.0	63.8	...	...	...	55.5	...	...	71.1	...	...
1939	...	...	...	65.1	65.7	...	...	...	...	...	...	...	...
Mean	63.5	64.2	68.9	65.2	64.6	61.9	61.9	61.0	61.8	59.6	63.6	64.9	63.4

Lat. 80° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.6	73.5	62.0	62.7	69.2	70.1	65.7	64.7	67.0	59.0	65.3	68.4	67.3
1930	58.9	65.0	68.1	69.1	65.7	58.9	64.9	64.4	62.8	66.1	64.1	72.4	65.0
1931	77.7	63.0	72.3	...	63.1	68.3	58.4	62.7	58.7	54.6	66.0	61.2	65.7
1932	56.5	61.5	70.2	69.8	73.8	64.6	62.9	60.0	58.8	60.4	60.6	67.1	63.9
1933	68.2	84.1	75.0	67.3	69.1	60.0	...	...	68.6	54.6	68.2	62.7	66.7
1934	56.6	49.6	76.9	63.7	56.9	61.1	59.9	65.5	73.2	59.6	64.1	67.1	62.9
1935	57.8	55.4	72.7	78.4	66.1	62.8	57.6	57.6	63.2	67.3	...	68.6	64.4
1936	78.2	84.1	65.1	65.7	59.8	57.9	62.8	62.2	58.2	66.2	62.9	57.0	65.0
1937	55.7	56.9	79.0	63.0	59.9	58.7	62.8	54.7	50.2	56.1	60.0	69.5	60.5
1938	59.1	64.2	57.8	64.9	...	...	...	57.0	...	...	72.9	...	...
1939	...	...	...	65.5	66.1	...	...	...	...	...	...	...	...
Mean	64.8	65.7	69.9	67.0	65.0	62.5	61.9	61.0	62.3	60.4	64.9	66.0	64.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 120° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.1	74.6	63.2	63.5	69.1	71.0	66.5	64.9	67.7	59.4	67.3	68.5	68.0
1930	61.4	65.4	70.5	69.3	66.1	59.6	64.3	63.8	65.1	66.2	66.3	73.0	65.9
1931	79.3	64.8	73.3	...	64.2	68.1	58.3	62.7	59.4	56.2	66.3	62.5	65.3
1932	59.3	63.9	71.7	71.1	74.8	65.5	63.1	60.0	60.0	61.1	62.0	68.3	65.1
1933	68.0	85.1	76.8	68.0	69.2	61.4	...	...	69.4	56.2	69.4	64.3	67.6
1934	58.8	51.9	77.2	65.7	57.1	61.6	60.0	65.8	74.0	60.4	65.8	68.6	63.9
1935	60.2	57.0	73.6	79.2	67.5	63.3	58.2	58.2	63.9	66.7	...	69.8	65.3
1936	79.6	85.2	65.6	67.6	61.0	57.4	62.7	62.1	60.3	67.7	64.7	58.4	66.0
1937	56.0	57.6	79.5	64.1	61.2	58.9	62.7	54.4	50.8	57.0	60.4	69.4	61.0
1938	60.3	65.8	59.5	65.8	...	...	...	...	...	...	73.8	...	...
1939	...	...	...	66.0	66.1	...	...	...	...	...	...	...	...
Mean	66.3	67.1	71.1	68.0	65.6	63.0	62.0	61.5	63.4	61.2	66.2	67.0	65.2

Lat. 80° N. Long. 130° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.6	75.4	64.7	64.6	69.1	71.4	67.7	65.0	67.9	59.7	69.2	68.4	68.6
1930	62.6	66.1	72.3	69.6	66.7	60.4	63.8	63.3	65.6	66.0	68.1	73.3	66.5
1931	80.6	66.5	74.1	...	65.2	68.3	58.4	62.9	60.3	57.9	66.3	63.7	66.1
1932	61.6	66.0	73.5	72.3	75.8	66.9	63.3	59.8	60.9	62.2	63.5	69.5	66.3
1933	67.5	85.9	78.1	69.0	69.2	62.5	...	...	70.1	57.7	70.8	65.3	68.3
1934	60.8	54.5	75.3	67.7	57.2	62.0	60.3	66.0	74.4	61.5	67.7	70.4	64.8
1935	62.8	58.9	74.4	80.0	68.8	64.2	59.1	58.6	64.9	65.8	...	...	66.0
1936	81.1	86.1	66.7	68.9	61.9	58.2	62.9	61.9	62.4	69.4	66.5	59.4	67.1
1937	56.3	58.3	80.2	64.9	62.4	59.2	62.9	54.6	51.6	57.9	61.3	69.8	61.6
1938	61.6	66.9	60.8	66.5	...	...	...	...	...	...	74.4	...	...
1939	...	...	...	66.1	66.0	...	...	...	...	...	...	...	...
Mean	67.6	68.5	72.0	69.0	66.2	63.7	62.3	61.5	64.2	62.0	67.5	67.5	66.0

Lat. 80° N. Long. 140° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.9	75.8	65.9	65.6	69.2	71.9	68.7	65.2	68.2	60.0	70.8	68.0	69.2
1930	63.7	66.6	73.7	70.3	67.2	61.2	63.5	63.4	66.2	66.0	69.2	73.5	67.0
1931	81.4	69.5	75.0	...	66.4	68.1	58.8	62.8	61.5	59.2	65.3	64.3	66.9
1932	63.6	67.1	74.7	73.2	74.3	68.2	63.8	59.8	61.2	62.8	64.9	69.9	67.0
1933	64.8	86.3	79.0	70.3	69.4	63.8	...	...	70.6	59.2	72.1	66.5	68.9
1934	62.6	56.6	76.5	69.5	58.0	62.1	60.7	66.5	75.0	62.1	69.2	71.4	65.9
1935	65.0	60.2	75.1	80.8	70.1	65.1	59.9	59.4	65.5	64.9	...	...	66.9
1936	82.2	86.8	67.4	70.3	63.4	59.2	63.2	62.0	64.3	70.7	67.8	60.1	68.1
1937	56.7	59.0	80.7	65.9	64.5	59.5	63.2	55.0	52.5	58.9	62.3	70.5	62.4
1938	62.8	67.6	61.7	67.1	...	...	...	...	...	...	74.6	...	...
1939	...	...	...	66.9	66.6	...	...	...	...	...	...	...	...
Mean	68.4	69.6	73.0	70.0	66.9	64.3	62.7	61.8	65.0	62.6	68.5	68.0	66.7

## SEA LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 80° N. Long. 150° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	81.4	76.0	67.2	66.9	69.8	72.5	69.6	65.5	68.6	59.9	72.4	67.8	69.8
1930	64.5	66.9	75.2	71.2	67.9	62.2	63.7	63.6	66.5	66.4	70.4	73.3	67.7
1931	81.7	69.9	76.1	...	67.7	68.0	59.1	63.1	63.2	60.2	65.1	64.9	67.5
1932	65.6	67.7	76.1	74.1	77.5	69.4	63.9	61.1	61.8	63.6	66.3	69.9	68.1
1933	64.0	86.8	79.9	71.5	69.9	64.8	...	...	71.5	60.6	73.8	67.7	69.7
1934	64.3	58.8	76.2	71.2	59.0	62.6	61.0	67.2	75.4	62.6	70.6	72.2	66.8
1935	67.1	61.9	75.8	81.6	71.6	65.8	60.6	60.2	66.1	64.3	...	...	67.8
1936	82.6	86.7	67.9	71.3	64.3	59.8	62.9	61.9	65.9	72.1	69.1	60.7	68.8
1937	57.2	59.8	81.0	66.9	66.3	59.5	63.7	55.6	53.5	60.3	63.6	72.0	63.3
1938	63.6	68.1	62.5	67.8	...	...	...	...	...	...	74.7	...	...
1939	...	...	...	67.4	66.9	...	...	...	...	...	...	...	...
Mean	69.2	70.3	73.8	71.0	68.1	65.0	63.1	62.3	65.8	63.3	69.6	68.6	67.7

Lat. 80° N. Long. 160° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	82.0	76.4	69.0	68.0	70.6	73.1	70.4	66.0	69.1	60.0	73.8	67.8	70.5
1930	65.1	66.9	76.1	72.4	68.5	63.6	64.1	63.8	67.0	66.9	71.4	73.1	68.2
1931	81.4	71.1	77.7	...	69.0	68.1	59.6	63.4	64.0	61.8	65.6	65.0	68.2
1932	67.5	67.9	77.2	74.7	78.3	70.8	64.4	60.3	62.0	64.1	67.5	69.5	68.7
1933	63.2	86.7	80.4	72.3	70.5	65.8	...	...	71.9	62.2	75.0	68.5	70.2
1934	65.7	60.4	75.6	72.5	60.2	62.9	61.5	67.9	75.6	63.3	71.3	72.5	67.5
1935	68.6	63.1	76.4	82.1	72.8	66.2	60.9	61.8	66.9	63.7	...	...	68.5
1936	83.6	86.9	68.6	72.2	65.8	60.6	62.6	61.5	67.2	73.1	70.0	61.2	69.4
1937	57.7	60.8	81.2	67.4	66.8	59.8	64.2	56.4	54.7	61.5	64.5	73.4	64.0
1938	64.2	68.7	63.0	65.9	...	...	...	...	...	...	74.2	...	...
1939	...	...	...	68.0	67.7	...	...	...	...	...	...	...	...
Mean	69.9	70.9	74.5	71.6	69.0	65.7	63.5	62.6	66.5	64.1	70.4	68.9	68.1

Lat. 80° N. Long. 170° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	82.4	76.3	69.3	69.0	71.6	73.7	71.2	66.5	69.6	60.0	74.6	67.6	71.0
1930	65.5	67.0	76.8	73.7	69.2	65.0	64.5	64.2	67.3	67.4	72.4	73.1	68.8
1931	80.9	72.2	79.1	...	70.0	68.1	59.8	63.4	65.1	62.8	65.8	65.4	68.8
1932	69.1	67.8	78.2	75.6	78.7	72.1	65.2	61.1	61.9	64.3	68.8	68.6	69.3
1933	62.4	86.1	80.5	73.2	70.9	66.4	...	...	72.0	63.4	75.8	69.1	70.6
1934	66.7	61.8	75.2	74.1	60.9	63.4	62.0	68.3	75.9	64.1	71.7	72.6	68.1
1935	70.0	64.1	76.8	82.5	73.9	66.7	61.4	...	67.3	63.2	...	...	...
1936	82.1	86.8	69.9	73.1	66.4	61.6	61.9	61.3	68.2	73.8	70.6	61.6	69.8
1937	58.5	61.8	81.3	68.2	68.0	59.9	64.5	57.1	55.6	62.7	65.2	74.6	64.8
1938	64.6	69.0	63.5	68.7	...	...	...	...	...	...	73.4	...	...
1939	...	...	...	68.7	68.3	...	...	...	...	...	...	...	...
Mean	70.2	71.3	75.1	72.7	69.8	66.3	63.8	63.1	67.0	64.6	70.9	69.1	68.8

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 180°

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.0	72.6	67.7	65.6	65.4	65.6	64.9	60.1	64.9	60.8	66.9	63.9	66.0
1930	67.3	69.6	74.4	67.5	65.5	63.9	57.5	61.4	66.2	62.8	69.2	59.2	65.4
1931	67.7	68.1	75.5	...	66.4	64.8	60.8	62.7	66.1	60.0	61.8	57.6	64.9
1932	66.3	70.5	70.9	65.7	70.3	68.9	64.1	63.1	59.4	65.3	70.8	65.6	66.7
1933	65.5	80.1	74.8	67.5	67.5	63.6	...	...	67.2	63.7	71.1	72.8	68.1
1934	74.2	64.1	71.9	66.4	61.6	58.7	64.4	65.7	67.2	58.4	64.5	61.6	64.9
1935	66.3	61.2	67.1	76.5	70.0	64.2	61.0	62.8	64.1	62.2	72.0	69.8	66.4
1936	76.5	81.6	69.4	68.6	66.0	61.2	60.3	61.1	68.3	66.3	70.1	61.7	67.6
1937	63.5	63.0	76.1	65.5	66.1	60.5	60.9	61.0	63.8	64.2	64.7	74.5	65.3
1938	68.2	70.7	59.2	62.2	...	...	60.5	59.3	61.4	59.2	62.0	64.3	63.1
1939	72.5	69.4	75.0	61.3	67.2	65.8	...	...	...	...	...	...	...
Mean	69.3	70.1	71.1	66.7	66.6	63.7	61.6	61.9	64.9	62.3	67.3	65.1	65.9

Lat. 70° N. Long. 170° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.8	71.0	66.7	65.1	66.1	65.4	65.2	60.5	64.2	58.1	65.2	64.1	65.5
1930	70.9	66.8	70.6	68.3	64.9	64.0	59.0	61.1	64.5	64.3	67.4	57.3	64.9
1931	64.9	65.6	76.6	70.1	66.1	64.8	60.5	63.2	64.7	58.2	61.6	56.7	64.4
1932	66.1	69.7	70.9	66.2	68.8	67.6	64.3	63.3	58.1	63.0	69.8	62.3	65.8
1933	63.9	77.1	72.5	65.5	67.2	62.7	59.3	57.1	64.8	63.3	69.7	74.6	66.5
1934	72.0	63.8	71.7	65.6	61.5	60.1	62.9	66.4	65.5	56.1	63.1	60.9	64.1
1935	66.4	60.6	67.6	74.9	69.8	64.2	61.4	63.3	63.3	60.8	70.8	69.3	66.0
1936	72.3	81.9	67.3	68.0	64.2	63.2	60.0	59.9	66.0	63.9	68.8	61.0	66.4
1937	64.5	61.6	74.5	64.6	63.9	60.0	61.4	60.5	61.2	61.8	63.4	74.3	64.3
1938	66.4	72.6	57.6	62.6	61.2	...	60.1	58.8	57.5	55.4	58.1	61.4	61.3
1939	67.6	67.0	72.9	60.4	66.5	66.9	...	...	...	...	...	...	...
Mean	68.1	68.9	69.9	66.5	65.5	63.9	61.4	61.4	63.0	60.5	65.8	64.2	64.9

Lat. 70° N. Long. 160° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.4	71.1	65.9	64.8	67.0	65.2	64.9	61.6	64.5	55.3	65.3	65.6	65.5
1930	74.8	64.4	67.8	68.8	64.2	63.1	61.0	60.9	62.8	65.9	66.1	56.9	64.7
1931	63.5	63.9	77.8	68.1	66.5	64.3	60.1	64.2	63.5	57.3	62.5	58.1	64.2
1932	67.6	69.5	71.7	66.8	67.5	66.1	64.2	64.1	57.0	61.4	69.4	60.8	65.5
1933	63.5	75.2	71.5	65.2	66.2	62.1	59.1	56.1	62.6	63.4	68.6	76.5	65.8
1934	69.5	63.6	71.4	64.8	60.9	61.0	61.4	66.0	65.2	54.8	62.0	62.1	63.6
1935	69.0	60.7	70.1	73.2	68.9	64.2	61.4	63.2	62.3	60.0	70.6	68.8	66.0
1936	69.0	82.7	65.8	67.7	62.0	64.1	59.4	59.9	63.8	62.4	66.1	60.6	65.3
1937	65.0	61.1	72.4	63.3	62.2	58.8	61.1	59.3	59.4	60.0	63.1	74.0	63.3
1938	65.3	73.9	56.8	63.7	60.6	62.0	60.4	59.0	54.7	52.9	57.3	59.8	60.5
1939	63.8	67.8	70.1	60.8	65.2	67.1	...	...	...	...	...	...	...
Mean	67.9	67.6	69.2	66.1	64.7	63.5	61.3	61.4	61.6	59.3	65.1	64.3	64.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 150° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	77.7	71.7	66.2	64.9	67.2	64.9	63.5	61.7	65.6	53.7	66.2	67.1	65.9
1930	78.5	64.3	67.3	68.9	63.7	62.1	61.6	61.0	62.3	66.9	66.1	57.7	65.0
1931	63.5	63.3	79.2	69.6	67.0	63.7	59.8	64.1	62.3	56.9	62.9	60.2	64.4
1932	69.9	69.3	73.5	68.2	66.3	64.2	63.5	63.6	57.2	62.2	70.6	63.7	66.0
1933	63.8	74.9	71.6	65.5	65.2	61.8	59.2	56.7	61.2	64.0	68.6	77.6	65.8
1934	67.9	64.4	71.3	64.6	60.5	61.5	60.8	66.0	65.9	55.0	61.8	64.2	63.7
1935	71.5	61.7	72.2	72.5	68.1	63.9	61.3	62.7	61.9	60.3	70.6	69.1	66.3
1936	69.1	83.2	65.8	67.8	61.1	64.4	58.9	60.5	64.7	63.0	65.8	61.9	65.5
1937	67.0	61.7	72.3	63.1	62.0	58.8	61.0	58.8	59.4	60.3	64.5	73.9	63.6
1938	65.3	75.0	57.4	65.4	61.3	60.8	60.2	60.2	54.2	53.0	58.9	60.4	61.0
1939	63.1	70.9	69.3	61.8	63.6	66.3	...	...	...	...	...	...	...
Mean	68.8	69.1	69.6	66.6	64.2	62.9	61.0	61.5	61.5	59.5	65.6	65.6	64.7

Lat. 70° N. Long. 140° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.9	72.9	66.8	65.3	67.6	65.3	62.5	61.7	66.6	53.6	67.6	68.2	66.5
1930	79.4	65.1	67.4	69.0	64.2	61.7	62.3	61.0	62.6	67.5	66.7	58.7	65.5
1931	64.4	64.4	80.9	70.4	67.6	63.9	59.8	63.5	61.8	56.9	62.4	61.4	64.8
1932	71.2	68.1	75.5	69.9	65.6	63.4	62.2	61.8	57.8	64.4	72.9	65.7	66.5
1933	63.8	75.4	73.2	67.3	65.6	62.3	59.8	57.9	60.5	65.3	69.7	76.4	66.4
1934	67.3	66.2	71.4	65.4	60.8	62.1	60.6	65.8	66.9	56.1	62.5	65.9	64.3
1935	72.2	63.2	73.2	72.3	67.9	62.9	61.1	61.5	62.0	61.6	70.5	69.5	66.5
1936	71.3	82.9	66.7	68.4	62.2	64.4	58.6	60.8	65.5	64.7	67.7	63.0	66.4
1937	67.9	62.8	74.0	64.5	63.4	57.8	61.7	58.9	60.2	62.2	66.3	73.8	64.5
1938	66.1	75.4	59.2	67.7	62.7	61.1	60.9	60.4	54.2	54.9	60.3	62.4	62.1
1939	64.7	72.7	69.6	62.1	63.9	65.7	...	...	...	...	...	...	...
Mean	69.8	69.9	70.7	67.5	64.7	62.8	61.0	61.3	61.8	60.7	66.6	66.5	65.3

Lat. 70° N. Long. 130° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.1	73.0	67.4	66.6	68.9	66.9	62.0	62.3	67.6	54.7	69.4	69.0	66.5
1930	77.5	65.9	67.3	69.3	66.1	62.9	62.5	61.3	63.3	67.6	67.3	60.1	65.9
1931	66.1	64.6	81.3	70.6	68.5	64.1	59.8	62.6	61.7	57.2	61.1	62.1	65.0
1932	70.9	66.1	77.6	72.4	66.3	64.0	62.0	60.5	58.1	66.1	72.9	65.8	66.9
1933	62.7	75.0	75.2	70.2	67.9	63.5	60.3	58.9	61.1	66.9	71.0	74.3	67.3
1934	67.2	68.5	71.5	67.2	62.6	63.1	61.3	65.7	67.6	58.6	64.2	66.4	65.3
1935	70.9	64.8	73.6	73.7	69.0	63.4	61.9	60.1	62.5	62.1	70.2	70.4	66.9
1936	73.8	81.6	68.7	69.4	65.1	65.3	58.8	61.0	66.3	66.5	69.6	64.1	67.5
1937	68.3	65.0	76.9	67.0	65.6	60.9	62.4	59.4	61.6	63.8	68.9	73.4	66.1
1938	66.7	75.2	62.1	69.7	64.6	61.6	60.9	60.5	55.5	57.8	61.6	64.1	63.4
1939	66.9	73.8	71.4	62.7	65.1	66.4	...	...	...	...	...	...	...
Mean	70.1	70.3	72.1	69.0	66.3	63.8	61.2	61.2	62.5	62.1	67.6	67.0	66.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 120° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	76.9	69.9	67.3	68.8	70.7	68.4	61.4	62.7	68.2	56.2	69.8	68.1	67.4
1930	73.3	66.2	67.5	69.9	68.3	64.5	62.8	62.1	64.1	67.3	67.2	62.5	66.3
1931	66.7	64.7	80.3	70.0	69.2	64.1	59.0	61.3	62.5	57.9	59.6	62.5	64.3
1932	70.0	64.2	79.5	74.9	67.8	65.6	62.8	60.2	59.0	66.2	70.5	64.5	67.1
1933	60.7	72.1	75.4	73.2	70.1	64.9	60.7	60.8	61.8	68.9	70.6	72.2	67.6
1934	67.1	70.5	71.8	69.2	65.5	64.8	62.4	65.3	68.2	61.9	66.0	65.8	66.5
1935	69.6	66.1	73.9	74.6	71.2	64.7	61.8	59.4	63.5	63.2	69.4	71.5	67.4
1936	75.5	78.9	70.8	67.4	67.9	66.5	59.5	61.5	66.0	67.0	68.0	65.5	67.9
1937	67.2	67.2	78.8	68.8	67.5	61.3	62.1	59.6	63.3	64.0	71.3	72.7	67.0
1938	66.8	74.9	65.2	70.4	66.8	61.9	60.9	60.7	57.9	59.8	63.0	63.7	64.3
1939	67.9	73.2	72.0	64.4	67.7	67.4	...	...	...	...	...	...	...
Mean	69.2	69.8	73.0	70.1	68.4	64.9	61.3	61.4	63.5	63.2	67.5	66.9	66.6

Lat. 70° N. Long. 110° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.3	65.8	65.5	70.3	71.8	68.1	59.8	62.2	68.0	57.4	68.8	66.2	66.4
1930	68.8	66.0	67.5	69.2	69.5	64.4	63.1	62.8	65.0	66.7	66.5	64.3	66.2
1931	66.1	64.4	79.2	70.3	70.1	64.0	58.6	60.3	63.7	58.8	58.0	62.0	64.6
1932	69.2	63.1	79.3	76.5	68.3	67.0	63.4	60.4	59.8	64.3	67.9	61.3	66.7
1933	58.6	68.6	74.8	74.7	71.7	65.7	60.3	61.3	62.7	68.9	68.0	69.7	67.1
1934	65.7	70.2	70.4	69.9	67.4	65.3	62.7	63.5	67.3	64.5	66.4	65.6	66.7
1935	67.9	64.8	72.6	75.4	73.3	65.9	61.0	54.0	63.9	63.3	67.8	70.8	66.7
1936	74.1	75.9	71.7	69.4	69.2	66.5	60.5	61.2	64.5	65.9	65.6	66.4	67.6
1937	65.6	68.3	78.5	70.3	68.5	62.5	61.2	58.9	62.8	64.5	71.8	71.9	67.1
1938	66.1	73.7	65.2	69.9	67.9	60.7	60.6	59.0	60.0	60.1	62.5	62.7	64.1
1939	66.9	70.2	70.2	65.9	69.3	67.1	...	...	...	...	...	...	...
Mean	67.4	68.3	72.3	71.1	69.7	65.2	61.1	60.5	63.8	63.4	66.3	66.1	66.3

Lat. 70° N. Long. 100° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.2	61.7	63.0	71.4	72.0	67.6	59.0	61.1	66.3	58.3	67.2	63.8	65.0
1930	64.3	64.9	67.3	67.9	69.8	63.4	62.9	63.7	65.9	65.7	65.2	64.6	65.5
1931	63.8	65.1	78.3	70.9	70.8	63.0	59.8	59.8	65.0	60.6	56.5	60.8	64.5
1932	67.7	62.1	75.2	76.3	67.8	63.2	63.3	60.4	59.4	61.7	65.6	56.5	65.4
1933	56.5	65.3	73.4	74.5	72.2	65.6	59.8	61.1	63.6	67.5	63.8	66.3	65.8
1934	62.3	67.2	67.7	69.6	66.8	65.7	62.2	60.5	65.7	64.7	66.6	65.1	65.3
1935	65.6	62.2	70.6	75.4	75.6	66.4	59.5	57.4	63.8	61.4	65.0	67.8	65.9
1936	71.0	72.6	70.9	66.8	68.7	65.2	62.5	59.9	62.4	64.0	63.1	66.2	66.1
1937	62.7	68.3	76.4	70.9	69.0	63.7	59.8	57.2	60.7	64.5	69.8	70.9	66.2
1938	65.4	71.4	63.3	67.8	67.5	60.0	59.9	58.5	59.9	58.5	60.5	62.1	62.9
1939	63.1	66.3	67.9	66.9	69.7	65.7	...	...	...	...	...	...	...
Mean	64.6	66.1	70.4	70.3	70.0	64.9	60.9	60.0	63.3	62.7	64.3	64.4	65.2



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 90° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.4	58.1	60.7	72.2	70.9	67.5	58.6	60.0	64.2	58.4	64.8	61.1	63.4
1930	60.6	64.1	65.7	67.2	69.6	62.6	61.9	64.5	66.6	64.7	63.8	63.5	64.6
1931	60.2	65.5	77.2	69.6	70.9	62.1	60.8	59.6	65.5	61.5	54.8	58.8	63.9
1932	65.2	60.0	70.9	74.2	66.2	67.8	62.8	60.7	59.1	59.8	63.7	52.4	63.6
1933	55.1	62.5	71.0	73.2	70.7	64.4	59.9	58.6	63.6	65.0	59.0	62.0	63.8
1934	58.9	63.8	64.1	67.6	64.8	65.3	61.5	58.1	63.9	63.7	65.0	63.6	63.4
1935	63.9	58.4	68.4	74.8	76.1	66.4	58.1	57.1	63.5	58.7	61.0	64.9	64.3
1936	67.7	69.2	69.7	63.7	67.1	62.8	64.0	58.9	58.8	61.6	59.6	64.7	64.0
1937	59.3	67.8	73.2	71.4	68.6	64.1	58.7	55.4	58.8	64.2	65.7	69.1	64.7
1938	64.3	68.2	61.0	64.8	67.1	58.7	58.9	56.4	59.0	55.9	58.3	61.0	61.1
1939	58.9	62.5	65.1	67.1	68.3	64.5	...	...	...	...	...	...	...
Mean	61.7	63.6	67.9	69.6	69.1	64.2	60.5	58.9	62.3	61.4	61.6	62.1	63.6

Lat. 70° N. Long. 80° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	62.0	55.9	57.7	71.5	68.9	66.6	58.6	59.8	61.8	57.6	62.2	57.5	61.7
1930	58.3	62.2	63.3	67.5	68.6	62.2	60.8	65.1	66.4	63.6	61.6	61.7	63.4
1931	56.8	64.8	75.4	68.0	70.0	61.9	61.4	59.2	64.6	61.7	53.2	56.8	62.3
1932	61.7	57.5	67.1	71.4	64.8	66.0	61.9	60.6	59.0	58.3	61.2	50.5	61.7
1933	53.5	60.7	69.0	71.0	67.6	62.6	60.2	56.4	62.2	62.5	54.0	57.7	61.5
1934	55.6	59.0	60.9	65.5	62.0	64.1	61.5	56.8	62.2	61.7	61.3	60.9	61.0
1935	62.1	54.2	65.8	73.5	74.9	65.0	56.6	57.1	63.4	55.5	56.7	62.6	62.3
1936	65.9	66.3	67.8	61.3	65.4	60.1	64.2	58.0	59.6	59.2	55.4	61.8	62.1
1937	56.2	66.2	70.1	71.0	67.2	62.9	58.3	54.0	57.3	62.2	61.1	67.0	62.3
1938	62.9	65.6	59.0	61.6	67.2	58.0	57.7	54.2	57.1	58.3	56.2	60.4	59.4
1939	55.8	59.4	63.0	67.5	66.3	64.3	...	...	...	...	...	...	...
Mean	59.2	61.1	65.4	68.2	67.5	63.1	60.1	58.1	61.4	59.6	58.3	59.7	61.8

Lat. 70° N. Long. 70° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.2	53.9	54.7	69.0	66.1	65.5	59.1	60.5	59.8	56.2	59.9	53.2	59.8
1930	55.9	58.8	60.3	67.1	67.0	60.9	60.3	65.3	66.1	62.3	59.4	58.9	61.9
1931	53.9	62.2	73.9	65.4	68.4	62.8	61.1	59.3	61.9	61.3	51.7	55.4	61.4
1932	56.9	54.3	63.3	68.3	65.0	63.5	61.2	59.3	59.0	57.3	57.8	48.3	59.5
1933	51.0	59.4	66.5	69.3	63.9	61.7	59.8	54.6	60.7	60.2	48.7	53.2	59.1
1934	51.3	55.1	58.3	64.4	59.3	63.4	61.1	56.7	59.6	59.6	56.6	57.1	58.5
1935	59.2	49.6	62.0	70.9	72.2	63.7	55.2	57.0	62.9	52.6	53.3	61.7	60.0
1936	63.4	63.8	67.0	60.1	62.6	58.3	63.0	57.7	58.9	54.9	50.5	57.9	59.3
1937	52.7	63.8	68.6	69.0	65.3	57.1	57.7	52.7	55.2	58.7	57.0	64.2	60.2
1938	60.4	62.3	56.7	58.5	66.8	58.0	56.3	53.8	55.3	51.0	53.2	58.6	57.6
1939	54.8	56.4	61.1	67.2	64.0	64.3	...	...	...	...	...	...	...
Mean	56.3	58.1	62.9	66.3	65.5	61.8	59.5	57.7	59.9	57.4	54.3	56.9	59.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 60° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.3	52.1	50.8	65.1	63.4	63.5	59.6	61.9	58.3	54.6	57.8	48.3	57.9
1930	52.7	54.5	59.0	65.7	65.3	59.1	60.7	65.5	65.8	60.8	57.2	55.5	60.2
1931	52.4	58.8	71.8	62.7	67.3	64.4	60.4	60.3	59.2	59.8	50.1	53.9	60.1
1932	51.5	51.1	60.8	66.3	65.5	61.3	61.1	57.0	58.8	56.7	54.6	44.9	57.5
1933	46.5	59.4	62.6	67.8	61.2	60.4	59.0	53.6	58.4	59.5	45.2	47.8	56.8
1934	47.0	53.0	55.7	64.5	56.9	63.2	60.3	57.3	57.2	58.3	53.3	52.4	56.6
1935	55.7	45.9	57.5	68.1	68.2	62.2	54.5	56.2	62.1	51.3	51.4	60.9	57.8
1936	61.2	62.8	67.1	60.7	60.4	57.9	61.9	58.2	58.6	50.5	47.2	52.4	58.2
1937	48.3	61.2	68.7	65.8	63.8	58.6	57.7	52.4	54.0	56.5	55.9	61.8	58.7
1938	56.2	58.4	55.2	57.0	65.8	59.2	56.5	55.0	54.2	49.9	52.0	56.2	56.3
1939	55.4	52.7	61.1	66.7	62.5	65.6	...	...	...	...	...	...	...
Mean	53.3	55.5	60.9	64.6	63.7	61.4	59.2	57.7	58.7	55.8	52.5	53.4	58.1

Lat. 70° N. Long. 50° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.8	51.6	50.0	65.0	62.5	64.0	61.3	63.2	57.7	54.0	55.8	45.0	57.6
1930	51.1	52.3	61.4	65.3	64.5	58.3	61.5	65.9	66.3	60.4	54.9	52.3	59.5
1931	53.9	56.0	69.7	60.5	67.2	66.9	61.5	60.8	58.7	58.8	49.1	53.8	59.7
1932	47.5	51.5	61.7	66.9	67.6	61.1	61.5	56.0	59.4	56.9	54.7	45.6	57.5
1933	43.3	62.4	60.5	68.4	60.7	58.9	57.5	54.6	56.4	60.9	46.6	44.6	56.2
1934	44.6	52.9	53.6	65.7	57.2	63.4	60.1	58.7	56.7	58.8	52.8	50.2	56.2
1935	53.4	45.8	56.1	68.1	65.7	61.9	55.4	56.6	62.6	52.0	51.3	62.1	57.6
1936	62.6	64.2	67.8	63.4	60.2	59.1	61.9	58.2	59.4	49.5	47.5	49.3	58.6
1937	45.8	59.4	70.0	62.3	60.4	58.2	59.1	53.6	54.8	57.5	58.2	60.7	58.3
1938	52.7	57.0	55.6	58.5	66.1	60.9	57.8	57.3	55.3	50.4	53.5	54.7	56.7
1939	58.5	52.2	61.8	67.4	62.8	66.2	...	...	...	...	...	...	...
Mean	52.2	55.0	60.7	64.7	63.2	61.7	59.8	58.5	58.7	55.9	52.4	51.8	57.9

Lat. 70° N. Long. 40° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.7	54.0	53.9	69.4	66.4	67.5	63.3	64.5	56.9	54.8	54.6	45.0	59.7
1930	50.8	52.8	65.7	65.9	64.1	58.4	62.9	65.7	67.9	60.4	53.7	50.0	59.9
1931	58.5	56.1	69.9	59.6	70.1	69.8	62.5	61.5	60.9	60.3	48.2	54.6	61.0
1932	45.7	58.2	65.9	70.0	71.1	63.4	62.9	55.9	59.9	59.5	56.9	47.1	59.7
1933	40.7	67.2	63.0	71.6	64.8	58.5	57.6	55.8	55.7	64.2	52.4	47.6	58.3
1934	47.8	54.1	54.3	69.1	59.4	65.8	61.5	61.0	57.8	59.3	55.4	54.1	58.3
1935	53.5	48.8	61.1	73.0	69.4	62.5	57.2	58.3	65.9	53.6	53.9	65.7	60.2
1936	67.6	69.1	68.5	66.2	61.9	59.9	62.6	58.1	61.9	51.7	51.2	49.7	60.7
1937	45.0	59.5	74.1	60.5	64.9	58.1	61.3	55.0	56.6	59.5	61.4	60.7	59.5
1938	50.6	56.6	56.5	60.1	68.4	62.0	59.7	58.9	56.7	51.1	54.8	54.4	57.5
1939	62.8	51.4	62.0	68.7	63.5	65.7	...	...	...	...	...	...	...
Mean	53.5	57.1	63.2	66.7	65.5	62.9	61.2	59.5	60.0	57.4	54.3	52.9	59.5

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 30° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.2	56.8	58.0	72.6	69.2	69.1	63.3	64.7	56.2	55.1	53.5	43.9	61.1
1930	49.7	54.9	66.5	66.2	63.5	58.5	63.3	64.7	69.5	59.3	54.1	48.3	59.9
1931	61.0	55.9	70.7	59.3	71.7	70.4	62.9	62.0	62.7	60.9	47.2	53.8	61.5
1932	45.5	64.1	68.0	71.8	72.9	65.0	63.7	56.5	60.1	60.2	56.3	47.6	61.0
1933	36.6	69.8	63.6	72.7	68.1	59.2	57.5	56.2	56.6	64.8	57.0	54.0	58.8
1934	48.8	54.6	54.9	70.8	61.1	67.0	62.8	61.6	58.3	58.4	56.2	57.8	59.4
1935	54.7	49.0	64.5	74.9	71.7	63.8	58.3	58.9	67.3	54.4	55.3	66.5	61.6
1936	68.9	71.4	68.7	67.7	63.6	60.3	63.1	57.5	62.5	53.7	53.5	48.8	61.6
1937	45.5	59.6	76.1	60.5	62.1	57.8	61.2	55.9	57.2	59.7	62.7	61.2	60.0
1938	49.2	56.5	56.1	60.7	69.3	61.7	60.3	59.8	56.3	49.6	53.7	53.7	57.2
1939	64.0	50.1	62.6	69.1	64.6	64.8	...	...	...	...	...	...	...
Mean	54.1	58.4	64.5	67.8	67.1	63.4	61.6	59.3	60.7	57.6	55.0	53.6	60.3

Lat. 70° N. Long. 20° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.0	59.5	59.6	71.9	68.3	66.5	62.5	62.7	53.4	54.2	50.7	43.4	60.6
1930	47.6	56.4	62.1	65.3	63.1	57.7	62.8	63.4	69.9	56.5	52.5	47.9	58.8
1931	60.1	52.8	71.0	59.2	71.6	69.0	61.9	61.8	62.7	58.6	45.8	54.0	60.7
1932	45.6	67.0	67.1	69.2	72.6	65.3	63.1	57.2	58.7	59.2	54.3	46.8	60.5
1933	35.0	67.6	61.2	71.7	70.4	59.6	58.3	55.7	58.9	62.8	59.4	59.5	60.0
1934	46.6	54.2	55.2	69.8	60.8	66.8	62.5	61.1	56.5	55.1	56.1	57.8	58.5
1935	55.9	45.6	65.7	72.3	72.6	63.8	57.7	57.7	65.8	52.9	54.4	63.6	60.7
1936	66.3	69.4	65.1	67.5	65.6	60.5	63.0	57.2	62.9	52.9	53.1	46.2	60.8
1937	46.1	58.4	74.4	60.2	62.1	57.0	60.9	56.9	56.2	57.8	60.8	62.1	59.4
1938	47.7	56.7	53.6	60.3	68.5	60.4	59.9	59.7	55.2	46.8	49.2	52.8	55.9
1939	62.4	48.3	63.0	67.7	66.5	64.6	...	...	...	...	...	...	...
Mean	53.4	57.8	63.5	66.8	67.5	62.8	61.3	59.3	60.0	55.7	53.6	53.4	59.6

Lat. 70° N. Long. 10° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.5	62.0	58.8	68.5	66.2	63.3	61.3	59.8	51.1	50.7	46.9	41.2	58.6
1930	44.2	57.9	55.1	64.9	63.0	57.7	62.2	62.9	69.0	52.4	48.0	48.6	57.2
1931	56.2	47.0	69.5	60.4	70.3	66.0	60.2	61.1	61.8	54.8	46.5	53.4	58.9
1932	43.5	69.0	63.8	63.8	71.8	64.4	61.8	58.1	55.4	56.2	50.5	46.7	58.8
1933	38.8	62.8	59.0	68.0	71.1	60.6	59.4	55.5	62.0	58.1	60.3	61.0	59.7
1934	42.0	53.1	52.7	67.0	58.6	66.5	62.0	61.1	54.8	50.1	54.7	55.9	56.5
1935	54.8	40.8	66.1	67.7	71.9	63.8	57.1	57.1	63.4	47.2	52.8	58.4	58.4
1936	59.2	64.8	63.1	65.3	68.2	61.3	62.5	56.9	63.2	52.1	51.4	41.9	59.2
1937	48.1	55.4	69.9	59.2	63.0	56.5	61.3	58.7	53.4	55.2	57.8	61.9	58.4
1938	44.0	56.1	49.5	59.7	66.2	57.8	59.0	59.3	55.0	44.7	44.0	51.9	53.9
1939	59.5	45.4	61.0	64.7	67.5	64.1	...	...	...	...	...	...	...
Mean	51.3	55.8	60.8	64.5	67.1	62.0	60.7	59.1	58.9	52.2	51.3	52.1	58.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 0°

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.7	66.4	57.8	64.6	64.9	61.8	60.5	57.8	51.9	49.0	46.8	41.5	57.9
1930	42.1	59.8	51.3	65.2	62.5	59.9	61.2	62.7	68.1	50.2	44.6	51.0	56.6
1931	53.3	44.9	67.5	61.0	68.3	63.1	59.1	60.3	61.2	51.2	51.6	51.4	57.7
1932	43.3	67.4	61.1	59.1	70.3	64.0	61.5	58.8	51.9	54.4	51.8	49.4	57.8
1933	46.9	57.2	58.9	64.0	70.7	62.4	59.9	56.5	64.8	55.7	60.8	61.7	60.0
1934	41.3	51.1	52.3	64.2	58.1	66.1	63.1	61.7	56.8	47.0	54.2	57.1	56.1
1935	53.9	34.6	67.2	62.8	70.1	63.5	57.6	58.6	61.0	44.7	54.4	55.8	57.1
1936	52.3	61.6	61.0	63.0	70.2	62.1	61.0	57.5	63.4	52.4	49.5	39.2	57.8
1937	52.9	52.8	65.1	61.0	64.2	56.9	63.1	61.8	52.8	54.8	57.0	63.3	58.8
1938	40.7	55.1	47.0	59.0	63.9	56.2	59.7	59.4	56.7	45.5	42.8	54.8	53.4
1939	56.6	44.9	59.6	60.9	68.0	61.8	...	...	...	...	...	...	...
Mean	50.5	54.2	58.9	62.3	66.6	61.6	60.7	59.5	58.9	50.5	51.4	52.5	57.3

Lat. 70° N. Long. 10° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.9	71.4	57.2	62.0	65.2	60.9	59.9	57.3	54.5	48.2	50.1	44.6	58.4
1930	42.5	61.1	49.7	66.8	63.7	62.0	60.2	63.0	66.9	49.6	43.8	55.0	57.0
1931	53.1	49.9	63.9	63.2	66.3	59.5	58.4	59.4	59.9	48.5	59.0	49.9	57.6
1932	43.8	65.1	60.8	56.6	68.6	64.3	61.4	60.3	48.8	52.7	53.0	52.3	57.3
1933	54.9	54.2	59.1	60.8	69.3	63.9	59.7	57.7	66.6	55.6	61.2	62.7	60.5
1934	44.0	48.8	53.7	61.7	58.3	65.2	64.5	62.2	61.8	47.2	53.5	60.1	56.8
1935	53.6	35.8	66.4	61.3	67.2	62.1	59.0	61.8	58.3	46.1	63.0	55.6	57.5
1936	50.0	61.2	60.5	61.7	71.6	63.5	59.4	58.7	62.4	51.9	49.5	39.5	57.5
1937	58.8	52.4	62.6	61.6	66.0	58.4	64.4	64.9	53.3	56.7	57.1	65.7	60.4
1938	40.7	54.0	45.6	57.6	61.9	56.2	61.3	60.2	58.7	49.2	44.7	60.6	54.2
1939	54.5	45.8	61.3	57.4	68.5	60.4	...	...	...	...	...	...	...
Mean	51.4	54.5	58.3	61.2	66.1	61.5	60.8	60.6	59.1	50.6	53.5	54.6	57.7

Lat. 70° N. Long. 20° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.6	74.7	54.3	61.2	65.8	59.5	59.6	56.8	56.9	49.9	54.5	49.9	59.3
1930	45.5	60.5	51.4	68.9	63.7	62.9	60.7	63.5	66.2	51.0	44.7	59.9	53.2
1931	54.9	55.4	60.1	65.7	65.2	56.8	58.7	58.4	57.8	46.6	65.3	49.5	57.9
1932	45.0	62.1	61.5	55.5	67.4	64.1	62.2	60.6	46.2	53.0	54.1	53.2	57.1
1933	61.3	54.7	59.1	59.6	68.1	64.9	58.6	58.1	67.7	56.7	61.1	62.4	61.0
1934	45.1	47.0	57.7	60.6	58.5	64.0	65.3	63.5	65.9	50.3	53.6	63.0	57.9
1935	53.9	37.9	64.1	61.6	64.6	61.6	59.4	64.2	57.0	50.4	58.0	58.3	57.6
1936	53.4	62.2	61.2	61.2	71.9	63.9	58.6	59.5	60.7	52.4	51.5	41.5	58.2
1937	64.3	52.8	62.9	67.2	65.9	59.4	64.7	66.5	54.7	58.6	58.2	68.3	62.0
1938	45.7	52.7	44.5	56.2	60.7	56.6	62.6	60.4	59.9	54.9	47.5	67.1	55.7
1939	55.9	48.0	63.1	56.0	68.6	59.6	...	...	...	...	...	...	...
Mean	54.0	55.3	58.2	61.1	65.5	61.1	61.0	61.2	59.3	52.4	54.9	57.3	58.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 30° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.5	75.9	52.2	60.9	66.5	59.1	59.7	57.9	58.8	51.5	58.0	55.1	60.3
1930	47.6	59.4	54.3	70.8	64.1	63.3	61.8	64.3	65.1	53.8	46.9	64.2	59.6
1931	58.5	59.9	57.4	67.7	64.9	55.5	60.0	58.2	56.1	46.8	68.9	49.3	58.6
1932	46.5	59.4	61.2	56.2	66.4	64.3	62.7	60.3	45.7	54.3	54.8	53.3	57.1
1933	66.4	57.8	59.1	59.5	68.0	65.3	58.3	59.1	67.7	58.4	59.8	60.3	61.6
1934	47.6	46.8	61.9	60.3	58.8	62.7	66.6	65.2	68.6	53.5	54.0	63.7	59.1
1935	54.9	40.4	60.3	63.4	62.9	61.5	58.8	64.8	55.8	56.3	66.9	61.7	59.0
1936	57.7	64.4	61.6	62.6	71.0	63.5	60.0	61.0	57.7	52.5	53.0	45.2	59.2
1937	67.6	53.5	64.6	69.0	65.9	60.2	66.2	67.8	55.6	59.7	60.3	71.0	63.5
1938	50.7	50.5	44.1	53.7	61.2	56.7	63.7	60.2	60.5	59.1	50.8	73.1	57.0
1939	57.0	48.6	64.1	55.6	67.9	59.6	...	...	...	...	...	...	...
Mean	56.6	56.1	58.3	61.8	65.2	61.1	61.8	61.9	59.2	54.6	57.3	59.7	59.5

Lat. 70° N. Long. 40° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.3	75.9	50.4	59.1	66.9	58.8	59.8	59.8	60.2	53.2	60.8	61.5	61.2
1930	48.7	60.2	55.0	71.6	65.0	61.9	62.6	65.3	62.8	56.0	50.0	67.1	60.5
1931	61.2	64.2	56.4	69.1	65.5	56.1	61.0	59.2	54.6	47.6	70.6	49.2	59.6
1932	46.2	57.3	60.8	57.3	65.0	63.8	62.4	60.0	48.1	55.4	54.4	54.1	57.1
1933	70.6	63.2	59.6	60.8	68.5	64.9	58.1	59.4	67.2	58.3	58.0	58.8	62.3
1934	48.8	46.5	65.3	59.3	59.0	62.0	67.7	65.6	70.1	56.3	55.5	63.0	59.9
1935	54.8	43.7	57.7	66.2	61.8	60.7	58.5	64.9	55.0	61.4	69.1	64.2	59.8
1936	60.8	66.7	61.2	64.0	69.5	64.1	61.0	63.0	53.7	52.7	54.0	46.6	59.8
1937	69.2	53.8	67.4	69.7	65.7	61.2	66.4	69.3	56.6	59.9	62.4	71.5	64.4
1938	55.4	50.6	44.3	52.4	61.6	57.5	64.4	59.6	60.4	61.7	53.8	77.8	58.3
1939	57.8	48.3	64.1	55.9	67.0	59.6	...	...	...	...	...	...	...
Mean	58.3	57.3	58.4	62.3	65.0	61.0	62.2	62.6	58.9	56.3	58.9	61.4	60.2

Lat. 70° N. Long. 50° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.8	75.2	49.2	58.1	66.7	58.9	59.8	61.4	60.7	53.6	61.7	66.9	61.8
1930	50.0	61.9	56.8	70.8	65.3	59.8	62.2	66.2	60.1	57.8	53.9	68.7	61.1
1931	63.2	68.1	56.8	72.5	64.7	57.2	61.5	60.1	54.1	49.0	70.4	50.5	60.7
1932	45.6	56.5	61.1	59.8	63.7	62.6	61.9	59.9	50.9	56.3	54.7	55.5	57.4
1933	75.1	68.4	60.1	62.1	68.0	63.3	58.7	58.1	66.4	58.2	56.1	57.6	62.7
1934	49.7	45.9	67.5	58.4	59.7	61.3	67.5	64.3	69.9	57.5	57.7	61.0	60.0
1935	54.2	48.5	57.9	68.8	61.2	60.2	58.3	63.8	52.4	65.5	69.9	67.2	60.7
1936	64.2	69.0	60.6	65.4	66.6	64.0	61.9	64.2	51.1	53.4	54.5	49.9	60.4
1937	68.6	54.5	71.0	69.5	64.5	62.1	65.3	69.8	57.5	59.0	63.9	72.2	64.8
1938	61.3	54.5	45.7	52.8	62.4	58.4	65.0	59.1	60.3	63.3	57.9	81.2	20.2
1939	58.8	50.0	65.8	55.6	66.2	59.6	...	...	...	...	...	...	...
Mean	60.0	59.3	59.3	63.1	64.5	60.7	62.2	62.7	58.3	57.4	60.1	63.1	60.9

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 60° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.5	73.7	49.4	56.9	66.3	59.6	59.0	61.8	61.5	54.8	61.8	70.6	62.3
1930	52.3	62.1	58.8	68.7	64.3	57.5	61.0	66.3	57.8	59.1	57.1	69.4	61.2
1931	66.2	71.8	58.1	...	62.9	58.7	61.0	61.0	54.9	50.9	69.5	53.6	61.0
1932	46.7	56.0	60.9	61.0	62.4	61.0	61.0	59.9	53.1	57.4	55.7	56.6	57.7
1933	78.6	73.8	60.2	62.2	67.1	61.2	59.2	56.5	65.1	57.8	55.1	57.7	62.9
1934	50.8	46.3	70.9	58.7	59.9	60.8	66.4	62.7	68.1	57.2	59.0	59.0	60.0
1935	53.5	52.4	59.1	70.8	60.3	59.8	58.9	61.7	54.9	68.5	69.1	69.9	61.6
1936	67.5	71.5	61.3	66.8	63.6	63.4	62.3	65.2	49.7	54.6	55.1	53.8	61.2
1937	68.4	56.2	74.3	67.8	64.0	62.3	63.3	68.3	58.1	57.0	64.5	73.0	64.8
1938	65.8	57.0	48.7	54.7	62.9	58.4	63.5	59.6	61.1	64.5	61.6	...	60.0
1939	62.8	...	...	...	...	...	...	...	...	...	...	...	...
Mean	62.3	62.1	60.2	63.1	63.4	60.3	61.6	62.3	58.4	58.2	60.9	62.6	61.3

Lat. 70° N. Long. 70° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.8	72.5	50.0	56.0	64.6	60.2	58.6	60.7	63.1	55.8	61.6	72.5	62.5
1930	55.3	62.4	59.6	66.1	61.9	56.4	58.8	65.6	56.8	59.6	60.8	70.0	61.1
1931	68.6	74.4	59.0	...	61.9	60.1	60.1	62.2	51.5	53.8	68.4	58.0	61.8
1932	47.6	57.8	61.2	61.4	61.3	59.2	59.9	60.9	55.7	58.0	57.0	57.0	58.1
1933	80.5	78.5	60.0	63.1	66.3	59.0	59.8	54.9	63.7	57.4	56.4	59.1	63.2
1934	53.5	48.8	74.0	57.9	59.6	59.9	64.3	61.8	65.7	56.7	59.7	57.5	59.9
1935	53.3	55.5	61.3	71.7	59.5	59.4	58.8	58.8	56.0	69.0	67.6	72.8	62.0
1936	69.3	73.7	62.6	67.8	61.2	62.3	61.5	65.5	50.0	55.7	57.6	55.6	61.9
1937	69.7	59.4	75.9	66.0	62.7	61.9	61.4	65.9	58.0	55.0	64.5	74.8	64.6
1938	69.2	59.2	51.6	57.2	...	...	...	58.1	...	...	65.5	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	64.2	64.2	61.5	63.0	62.1	59.8	60.4	61.4	57.7	57.9	61.9	64.1	61.5

Lat. 70° N. Long. 80° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	76.2	74.5	52.5	56.0	61.7	60.3	58.4	59.7	65.2	58.0	61.1	73.3	63.1
1930	57.9	63.4	59.7	65.3	59.1	54.9	57.3	63.1	57.8	60.8	64.8	70.0	61.2
1931	71.5	75.0	60.0	...	60.7	60.8	58.6	62.7	58.9	56.0	67.2	63.0	63.1
1932	49.2	63.2	64.0	61.9	61.1	57.7	58.2	61.6	58.0	58.3	58.2	57.1	59.0
1933	80.7	82.1	62.0	65.2	65.7	56.6	59.9	55.2	61.4	57.3	57.7	60.6	63.7
1934	56.7	52.9	75.5	57.3	59.5	58.7	61.2	61.9	63.2	56.8	61.2	57.8	60.2
1935	55.1	57.1	63.2	69.7	59.4	58.7	57.3	55.9	56.3	68.0	64.8	75.7	61.8
1936	71.2	75.6	64.3	68.5	59.5	60.4	59.8	63.6	52.4	57.8	62.0	57.3	62.7
1937	70.2	63.4	75.7	63.3	60.7	61.3	59.7	62.2	57.2	54.2	65.2	76.4	64.1
1938	70.7	61.8	54.4	59.6	...	...	...	59.9	...	...	69.0	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	65.9	66.9	63.1	63.0	60.8	58.8	58.0	60.6	58.9	58.6	63.1	65.7	62.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	77.6	77.2	57.0	57.9	60.4	61.0	58.4	59.5	66.3	60.7	62.2	74.1	64.4
1930	61.7	64.6	60.8	66.6	58.1	54.9	55.7	61.0	60.0	62.3	68.6	70.5	62.4
1931	75.5	75.5	61.2	...	60.4	61.6	58.0	62.5	60.4	58.5	66.9	67.4	64.3
1932	53.5	69.7	67.0	61.9	61.4	56.6	57.1	61.9	60.2	59.0	60.2	58.5	60.6
1933	80.9	84.7	64.5	66.5	65.2	55.9	61.1	...	59.8	57.9	59.0	62.3	64.8
1934	61.1	57.5	76.7	57.7	59.0	57.9	58.4	61.8	62.3	57.1	62.4	59.8	61.0
1935	57.1	58.8	66.1	68.2	59.5	58.8	55.5	54.3	56.1	66.5	64.3	77.5	61.9
1936	73.9	78.4	66.5	68.6	58.5	58.5	57.9	62.3	56.0	59.9	67.1	60.5	64.0
1937	69.5	65.8	75.3	61.2	58.0	59.5	57.8	59.0	56.5	55.4	65.7	76.5	63.4
1938	71.7	65.4	57.8	61.6	...	...	...	...	...	...	72.8	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	68.3	69.8	65.3	63.4	60.1	56.3	57.8	60.3	59.7	59.7	64.9	67.5	62.8

Lat. 70° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.8	80.1	59.3	58.4	60.8	61.4	58.6	59.4	67.7	62.8	63.3	76.4	65.6
1930	65.6	66.4	62.7	67.2	58.9	55.9	55.6	60.1	61.9	63.8	72.2	71.6	63.5
1931	78.5	76.7	63.4	...	60.9	62.3	57.5	62.7	62.3	60.5	66.9	70.8	65.5
1932	57.0	74.9	68.8	62.6	62.2	56.4	56.8	61.6	61.8	60.2	62.5	60.5	62.1
1933	79.6	86.3	68.1	66.9	64.7	56.4	...	...	60.8	59.8	61.0	64.4	65.2
1934	65.6	61.1	77.9	59.1	58.6	57.9	57.0	61.9	63.1	58.7	64.4	62.9	62.4
1935	60.4	60.1	68.4	68.6	60.8	59.0	54.5	53.6	57.5	65.5	65.1	78.4	62.7
1936	76.8	81.6	68.7	67.9	58.2	57.5	57.0	61.7	59.7	61.9	70.4	63.9	65.4
1937	67.8	66.5	75.6	61.1	56.7	57.3	56.8	56.9	56.6	56.0	65.6	75.5	62.7
1938	72.5	69.2	60.7	63.5	...	...	...	...	...	...	75.4	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	70.3	72.3	67.4	63.9	60.2	58.2	54.7	59.7	61.3	61.0	66.7	69.4	63.8

Lat. 70° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.8	81.8	61.5	59.1	62.0	62.2	59.4	59.9	68.7	64.5	65.8	77.4	66.8
1930	68.7	68.4	65.0	66.6	60.6	56.8	56.3	59.6	64.3	64.9	74.8	73.2	64.9
1931	80.6	77.7	65.0	...	62.1	62.7	57.4	61.5	62.7	62.5	67.6	71.9	66.4
1932	60.3	78.1	71.0	64.1	63.4	56.7	57.5	61.3	63.0	61.9	64.9	63.9	63.8
1933	77.8	86.5	71.2	66.4	64.7	57.8	...	...	62.5	61.1	62.0	67.5	66.2
1934	69.1	64.3	78.2	61.6	59.2	58.4	56.9	62.1	64.7	59.4	66.8	66.0	63.9
1935	63.8	62.1	70.2	70.2	62.5	59.3	54.9	54.5	59.3	65.6	...	78.0	64.1
1936	79.7	84.1	71.0	67.9	59.1	58.1	57.5	61.6	63.3	64.1	73.6	66.3	67.2
1937	66.6	66.4	77.5	61.7	57.1	56.8	56.2	55.8	57.4	57.4	66.0	74.8	62.8
1938	72.4	72.3	63.1	64.8	...	...	...	...	...	...	77.0	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	71.9	74.2	69.4	64.7	61.2	58.8	57.0	59.5	62.9	62.4	68.7	71.0	65.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 120° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	81.5	82.2	63.2	59.8	62.8	62.4	60.0	60.6	68.6	65.7	68.4	78.6	67.0
1930	70.7	70.7	68.1	66.4	62.1	56.9	56.7	59.3	65.5	65.1	75.2	73.4	65.8
1931	82.0	78.2	65.7	...	63.6	63.1	57.2	60.7	64.2	63.9	67.8	71.8	67.0
1932	62.6	80.0	72.7	65.4	64.5	57.9	58.6	60.7	63.8	62.5	66.7	68.1	65.3
1933	75.6	85.8	73.0	64.8	64.3	59.7	...	...	63.6	62.4	64.4	70.7	66.8
1934	72.1	66.1	77.6	63.7	60.2	58.7	58.0	62.4	66.0	60.2	69.0	68.9	65.2
1935	66.7	63.5	71.1	71.9	64.3	59.4	56.2	56.0	60.3	65.7	...	76.9	59.3
1936	82.2	85.6	71.9	68.1	61.1	58.4	58.8	61.5	66.0	66.0	75.0	67.5	68.5
1937	66.5	66.2	78.6	62.1	59.6	53.3	56.8	55.6	58.4	59.0	67.0	74.2	63.1
1938	73.0	73.8	64.6	65.4	...	...	...	...	...	...	76.6	...	...
1939	...	...	...	64.4	62.6	...	...	...	...	...	...	...	...
Mean	73.3	75.2	70.7	65.2	62.5	53.0	57.8	59.6	64.0	63.4	70.0	71.1	65.5

Lat. 70° N. Long. 130° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	81.7	81.8	64.1	61.4	62.5	62.1	60.7	61.5	67.8	66.0	70.7	77.5	68.2
1930	71.0	73.4	71.0	66.2	63.2	57.3	56.6	59.9	66.4	65.0	74.3	72.0	66.4
1931	82.0	78.4	66.5	...	65.3	62.9	55.5	60.5	64.5	64.2	67.3	69.6	66.8
1932	63.8	80.3	73.4	65.1	66.2	60.0	59.2	60.3	64.0	62.1	68.1	71.6	66.2
1933	73.3	84.8	73.2	62.6	63.6	61.0	...	...	64.7	64.1	67.5	72.8	67.1
1934	74.7	67.1	75.9	65.1	60.9	58.8	59.3	62.3	67.7	61.3	70.3	70.6	66.2
1935	68.5	63.3	71.4	73.1	66.0	59.9	57.2	57.5	61.1	65.4	72.8	75.3	66.0
1936	83.8	85.4	71.9	67.6	62.2	57.7	60.0	61.3	67.9	67.4	75.8	67.1	69.0
1937	66.2	65.7	78.1	62.2	61.8	55.8	56.9	55.7	59.0	60.4	66.7	73.1	63.5
1938	73.4	73.1	65.5	64.3	...	...	...	...	...	...	75.1	...	...
1939	82.6	...	71.0	63.2	62.3	...	...	...	...	...	...	...	...
Mean	74.6	75.3	71.1	65.1	63.4	59.5	58.2	59.9	64.8	64.0	70.9	72.2	66.6

Lat. 70° N. Long. 140° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.7	80.6	65.3	63.1	62.3	62.7	61.4	62.0	67.1	65.6	71.2	74.8	68.1
1930	69.6	74.6	72.5	66.1	63.9	57.4	56.4	60.7	66.9	63.8	73.0	69.8	66.2
1931	80.7	77.5	67.3	...	66.3	62.7	57.7	60.7	64.9	63.7	65.7	67.4	66.7
1932	64.7	79.1	72.7	65.3	68.2	62.5	60.2	60.3	64.0	63.0	68.9	72.9	66.8
1933	71.0	84.6	73.4	62.6	63.2	61.8	...	...	66.1	64.2	69.6	73.5	67.5
1934	76.1	67.6	73.9	65.2	61.4	57.5	60.7	62.6	68.5	61.6	70.4	69.8	66.3
1935	69.1	62.6	70.6	74.2	67.1	60.8	57.6	58.6	61.7	64.5	73.5	73.4	66.1
1936	84.4	84.2	71.9	67.3	63.3	56.7	61.4	61.5	69.5	68.2	75.7	66.0	69.2
1937	65.0	65.2	76.4	62.5	63.7	57.5	57.3	55.9	59.6	61.5	66.9	71.6	63.6
1938	74.2	71.4	65.3	65.1	...	...	...	...	...	...	73.0	...	...
1939	82.2	...	70.9	62.3	62.3	61.0	...	...	...	...	...	...	...
Mean	74.3	74.7	70.9	65.4	64.2	60.1	59.1	60.3	65.4	64.0	70.8	71.0	66.7



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 70° N. Long. 150° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.4	79.5	66.6	64.4	62.6	63.6	62.1	62.2	66.9	65.2	71.8	71.7	68.0
1930	67.8	74.5	74.0	66.4	64.5	58.4	56.2	61.3	67.4	62.6	71.8	67.6	66.0
1931	78.1	76.0	68.7	...	66.9	63.0	57.5	61.1	65.3	62.9	64.0	65.0	66.2
1932	65.6	77.2	72.8	65.7	70.2	65.0	61.4	61.9	63.3	65.4	69.0	72.6	67.5
1933	69.1	84.8	74.7	65.3	64.1	62.9	...	...	67.7	63.6	71.0	72.7	68.1
1934	76.8	67.9	72.6	65.2	61.7	56.5	63.0	63.0	69.4	61.3	69.2	68.1	66.2
1935	69.0	62.0	69.3	75.4	68.5	61.8	58.2	59.8	60.5	64.0	73.2	71.7	66.1
1936	83.5	82.7	71.3	67.0	64.7	56.0	61.6	61.8	70.7	68.7	75.6	64.2	69.0
1937	63.6	64.5	74.8	63.1	64.7	55.7	58.3	56.7	61.1	62.5	65.9	70.7	63.5
1938	72.9	69.3	64.4	63.9	...	...	...	...	...	...	70.8	75.4	...
1939	82.1	...	72.4	62.3	63.1	61.2	...	...	...	...	...	...	...
Mean	73.4	73.8	71.1	65.9	65.1	60.4	59.8	61.0	65.8	64.0	70.2	70.0	66.7

Lat. 70° N. Long. 160° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	77.8	78.4	68.1	65.6	63.3	64.7	62.4	61.1	66.5	64.2	71.0	68.7	67.7
1930	66.3	73.6	75.0	66.7	65.0	60.0	56.2	61.4	67.5	62.2	71.4	64.8	65.8
1931	74.9	73.8	71.1	...	67.3	63.5	58.6	61.6	66.2	62.8	63.1	62.3	66.0
1932	66.2	74.3	72.5	65.8	71.2	67.2	62.3	62.9	62.3	66.7	69.7	70.6	67.6
1933	67.7	84.6	75.8	67.6	65.6	63.1	...	...	68.9	63.9	71.4	71.4	68.5
1934	76.7	67.3	72.1	65.6	61.5	56.0	64.7	63.5	69.4	60.5	67.4	65.9	65.9
1935	68.0	61.8	67.7	76.4	69.4	62.7	59.2	60.9	63.2	63.7	72.4	70.2	66.3
1936	81.8	81.8	71.0	67.6	65.6	56.0	61.4	61.7	70.9	68.7	75.1	63.1	63.7
1937	61.8	63.4	74.6	63.9	65.8	57.5	58.9	58.4	63.0	63.7	65.6	71.2	64.0
1938	71.6	68.2	62.8	63.0	...	...	...	61.6	...	65.5	68.5	72.4	...
1939	80.1	...	73.0	61.9	64.4	62.5	...	...	...	...	...	...	...
Mean	72.1	72.7	71.2	66.4	65.9	61.3	60.5	61.5	66.4	64.2	69.6	68.1	66.7

Lat. 70° N. Long. 170° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.6	75.6	68.3	65.9	64.3	65.3	63.5	60.2	65.9	62.9	69.0	65.4	66.3
1930	65.9	71.9	75.3	66.9	65.5	62.1	56.5	61.3	67.3	62.1	70.6	62.2	65.6
1931	71.2	71.2	73.2	...	66.9	64.3	60.0	62.1	66.3	61.8	62.3	59.7	65.5
1932	66.4	72.0	71.6	65.8	71.1	68.6	63.1	63.2	60.8	66.2	70.5	63.4	67.3
1933	66.8	82.8	75.7	68.3	66.8	63.7	...	...	68.7	63.9	71.8	71.3	68.5
1934	75.6	69.6	71.8	66.6	61.6	57.2	65.1	64.4	68.8	59.6	65.9	63.5	65.3
1935	66.8	61.4	67.1	77.1	69.9	63.9	59.9	61.9	63.8	63.1	72.4	69.4	66.4
1936	79.6	81.3	70.5	68.1	66.2	58.5	60.7	61.4	69.4	68.5	74.5	62.2	63.4
1937	62.1	63.4	75.6	64.9	66.5	58.9	59.7	60.1	64.4	64.7	65.6	73.2	64.9
1938	69.5	68.9	61.1	62.3	...	...	...	60.0	...	62.7	65.9	67.9	...
1939	77.0	...	74.6	61.8	65.9	63.6	...	...	...	...	...	...	...
Mean	70.6	71.3	71.3	66.8	66.5	62.6	61.1	61.6	66.2	63.6	68.9	66.3	66.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 180°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	50.5	52.4	60.5	61.6	56.7	60.5	60.1	59.2	54.1	57.5	51.1	56.7	56.7
1930	56.0	66.2	64.1	58.7	56.6	60.0	57.9	63.5	65.8	55.9	60.1	46.1	59.2
1931	45.2	53.8	63.0	59.3	63.0	63.8	65.1	60.6	63.9	54.3	53.0	50.7	58.0
1932	56.2	62.6	54.4	54.6	59.7	65.4	61.2	60.3	58.0	56.6	64.6	49.2	58.6
1933	58.6	62.4	61.3	57.8	64.3	60.8	63.1	58.8	62.3	60.1	58.9	69.6	61.5
1934	61.5	47.6	55.5	54.1	62.7	59.9	63.6	61.6	56.9	53.1	54.5	49.5	56.7
1935	52.6	54.1	53.3	67.7	63.5	61.6	57.2	61.3	61.1	65.3	62.1	52.6	59.4
1936	57.3	58.3	58.6	58.5	54.2	61.2	62.9	65.7	60.5	56.4	55.6	50.6	58.3
1937	58.0	60.2	60.2	62.4	59.3	61.3	57.2	60.6	63.8	55.5	57.2	62.5	59.9
1938	60.0	63.9	52.5	49.7	56.8	58.6	63.1	59.4	59.2	53.0	51.5	45.4	56.1
1939	59.0	47.9	67.7	54.1	64.7	65.9	...	...	...	...	...	...	...
Mean	55.9	57.2	59.2	58.0	60.1	61.7	61.1	61.1	60.6	56.8	56.9	53.3	58.5

Lat. 60° N. Long. 170° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	53.2	53.5	60.3	59.4	56.2	59.4	61.0	61.1	51.2	52.5	46.7	58.8	56.1
1930	63.5	61.8	59.4	59.0	54.4	59.9	61.2	63.8	63.2	56.8	57.7	42.4	58.6
1931	38.7	47.4	61.7	59.0	61.4	62.1	64.8	62.8	60.5	49.7	49.8	49.8	55.6
1932	56.2	63.7	53.9	54.2	57.3	62.7	61.8	59.5	55.4	53.8	62.0	47.9	57.4
1933	58.7	62.4	60.5	56.3	63.5	61.9	63.8	58.0	59.1	58.6	57.4	73.9	61.2
1934	58.2	47.9	57.6	50.8	60.5	60.5	63.8	62.4	54.2	50.2	52.1	50.1	55.7
1935	54.0	52.4	57.8	65.2	62.4	61.9	60.2	60.8	59.8	66.0	61.2	52.9	59.7
1936	52.0	60.2	57.2	59.9	48.2	63.1	65.2	63.9	59.7	53.0	50.9	51.2	57.0
1937	66.8	59.8	61.6	61.0	57.4	59.4	58.6	63.3	59.3	50.4	56.5	61.6	59.6
1938	58.0	65.9	50.8	50.5	54.2	57.9	63.7	61.8	54.8	48.0	50.4	43.9	55.0
1939	55.1	49.1	67.3	56.4	64.4	64.6	...	...	...	...	...	...	...
Mean	55.9	56.7	58.9	57.4	58.2	61.2	62.4	61.7	57.7	53.9	54.5	53.3	57.7

Lat. 60° N. Long. 160° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.0	56.2	57.0	59.2	58.1	58.6	61.7	61.1	55.1	46.1	49.5	59.7	56.8
1930	71.0	54.9	59.5	58.7	55.6	61.6	63.6	64.4	59.6	57.9	53.6	41.2	58.5
1931	36.4	44.4	58.6	59.0	59.9	60.1	63.1	63.7	58.8	47.5	51.5	50.9	54.5
1932	56.5	63.4	54.4	54.6	57.1	60.8	61.0	59.5	55.3	53.0	56.9	50.0	56.9
1933	57.0	61.6	58.4	56.2	61.3	62.9	64.1	57.7	56.2	57.5	55.2	72.0	60.0
1934	53.3	49.2	60.3	52.1	59.3	60.5	64.8	64.3	56.8	48.4	50.5	53.2	56.1
1935	59.5	51.6	63.0	62.9	61.5	61.8	62.8	61.7	60.0	64.9	61.2	50.2	60.1
1936	48.2	63.0	58.5	61.0	48.8	64.2	64.5	63.3	59.5	52.7	51.3	52.7	57.3
1937	73.5	58.5	62.3	59.0	57.8	58.4	60.7	63.5	58.7	48.7	55.8	59.0	59.7
1938	55.1	62.9	51.1	52.7	53.4	57.4	64.9	65.4	51.6	44.5	53.2	44.8	54.8
1939	51.5	53.6	62.8	58.2	62.1	64.4	...	...	...	...	...	...	...
Mean	56.5	56.3	58.7	57.6	57.7	61.0	63.1	62.5	57.2	52.1	53.9	53.4	57.5

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 150° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.6	58.9	51.5	59.0	61.4	58.7	61.5	59.8	61.6	42.7	54.6	58.0	57.6
1930	74.5	45.2	57.8	57.3	57.8	61.3	64.8	64.1	58.0	57.9	48.4	41.4	57.4
1931	38.9	42.8	56.7	57.2	58.3	60.0	63.2	63.5	57.8	47.1	55.2	48.1	54.1
1932	54.4	57.7	54.9	54.8	58.0	59.6	60.4	60.9	56.3	52.0	48.2	51.8	55.8
1933	47.9	58.6	55.3	57.3	57.9	61.6	63.5	59.5	54.8	55.9	53.4	64.5	57.5
1934	45.7	50.8	61.5	56.6	58.7	61.7	65.8	66.9	62.7	48.3	47.6	54.3	56.7
1935	56.8	52.8	62.2	61.4	61.8	61.4	65.2	63.1	61.6	62.9	61.6	46.0	59.7
1936	49.8	63.7	58.8	61.9	56.9	63.7	62.1	65.0	61.2	55.5	52.0	50.6	58.4
1937	73.2	51.4	58.1	54.4	58.4	59.3	62.0	61.8	61.3	49.7	54.2	55.8	58.3
1938	52.2	58.0	50.0	55.5	56.8	59.9	66.2	68.2	52.8	46.1	54.6	48.2	55.7
1939	48.2	57.1	56.2	59.1	60.4	65.0	...	...	...	...	...	...	...
Mean	55.0	54.3	56.6	57.7	58.8	61.1	63.5	63.3	58.8	51.8	53.0	51.9	57.2

Lat. 60° N. Long. 140° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.6	65.0	52.1	61.1	65.2	60.7	62.2	60.7	66.7	48.9	61.9	60.3	61.0
1930	77.0	46.5	60.4	58.9	61.1	62.4	65.9	65.7	59.7	58.9	53.4	48.2	59.9
1931	46.5	49.5	60.3	56.8	60.7	61.7	64.7	64.7	58.9	52.7	60.2	50.3	57.3
1932	57.2	56.5	58.9	57.4	60.6	61.7	60.8	62.7	58.8	55.9	50.0	56.6	58.1
1933	48.5	60.0	57.6	61.0	58.3	61.7	64.4	63.3	55.3	58.3	58.2	63.2	59.2
1934	47.8	57.2	64.3	61.9	60.8	63.8	65.3	68.4	65.6	53.4	50.5	59.0	59.8
1935	59.4	58.6	62.5	63.1	64.8	61.6	67.1	64.1	63.9	64.5	63.6	49.3	61.9
1936	57.4	66.4	60.8	62.5	61.9	63.6	61.5	65.8	63.4	59.8	58.2	53.3	61.2
1937	74.1	52.6	58.7	55.0	61.3	61.6	64.9	61.4	64.5	54.6	56.6	59.4	60.4
1938	55.9	60.5	52.0	59.8	61.9	63.2	66.8	68.0	57.7	51.9	58.1	55.1	59.2
1939	51.3	62.0	57.8	61.3	60.9	65.0	...	...	...	...	...	...	...
Mean	58.4	57.7	58.7	59.9	61.6	62.5	64.4	64.5	61.5	55.9	57.1	55.5	59.8

Lat. 60° N. Long. 130° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.0	70.5	58.8	63.9	67.7	62.4	64.4	62.9	68.9	56.8	67.1	66.2	65.2
1930	83.9	55.5	65.1	62.1	63.5	62.7	65.4	65.1	62.7	63.3	61.6	56.5	64.0
1931	56.4	57.5	67.1	61.1	63.7	62.4	64.7	65.7	61.4	57.3	63.8	57.0	61.5
1932	61.1	61.1	67.8	62.6	62.7	63.5	61.3	62.4	62.4	62.7	60.9	66.2	62.9
1933	57.2	68.1	64.6	66.6	61.2	62.9	64.3	63.9	57.8	63.5	63.7	71.6	63.8
1934	59.3	65.2	68.1	65.0	62.1	64.0	63.8	67.9	67.2	59.2	57.4	66.7	63.8
1935	70.2	64.7	65.8	66.8	66.8	62.2	65.6	64.3	65.3	66.5	69.1	60.5	65.7
1936	67.3	76.0	63.6	65.5	63.2	64.0	62.3	65.6	65.9	64.3	65.0	60.9	65.3
1937	74.2	60.2	64.0	57.7	62.4	62.0	65.4	61.5	66.1	59.2	63.3	65.9	63.5
1938	62.3	69.2	55.6	62.2	63.1	63.1	65.3	65.5	59.0	58.9	62.1	63.0	62.4
1939	58.0	68.9	65.4	64.0	62.0	64.6	...	...	...	...	...	...	...
Mean	65.7	65.2	64.2	63.4	63.5	63.1	64.3	64.5	63.7	61.2	63.4	63.5	63.8

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 120° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	76.5	72.2	62.5	65.2	67.9	62.2	61.5	62.3	67.1	59.3	66.9	68.2	66.0
1930	81.3	62.4	64.7	64.5	65.1	61.3	62.9	63.5	63.2	65.3	63.9	59.6	64.3
1931	61.2	60.2	73.0	64.3	64.5	61.4	62.2	64.9	60.8	57.5	62.5	59.8	62.7
1932	64.5	64.0	75.4	65.6	61.8	62.1	60.1	59.6	61.4	65.1	66.4	65.1	64.3
1933	61.6	71.0	69.4	68.0	62.4	62.3	62.5	62.3	57.7	67.2	68.1	76.0	65.7
1934	64.1	69.5	71.4	64.9	61.5	63.1	62.1	65.4	66.6	60.8	62.7	68.9	65.1
1935	73.8	66.0	68.9	68.9	66.2	61.2	62.1	62.2	64.6	66.5	71.8	68.1	66.7
1936	75.5	81.0	65.5	69.1	62.9	62.0	61.4	64.4	65.2	65.7	66.2	65.7	67.1
1937	72.6	64.6	71.9	59.7	61.8	60.9	62.3	59.5	66.0	61.8	70.3	72.7	65.3
1938	67.9	77.7	59.6	65.1	63.1	62.1	63.5	63.3	61.2	61.3	64.6	64.7	64.5
1939	64.3	73.5	68.6	65.3	61.6	65.0	...	...	...	...	...	...	...
Mean	69.4	69.3	68.3	65.5	63.5	62.1	62.1	62.7	63.4	63.1	66.3	66.9	65.2

Lat. 60° N. Long. 110° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.7	70.0	62.6	66.3	67.9	60.6	60.1	61.5	64.8	60.2	64.5	67.6	65.0
1930	75.2	62.9	64.7	65.7	65.6	58.1	61.0	63.2	63.1	64.9	63.8	59.9	64.0
1931	63.5	61.2	74.8	64.8	65.9	61.6	60.9	63.6	60.5	59.1	61.9	61.6	63.3
1932	66.7	63.2	75.4	69.7	62.9	62.3	61.5	60.3	60.7	64.4	66.7	64.0	64.8
1933	63.2	63.5	70.5	69.2	66.0	62.1	61.6	62.5	57.6	67.3	69.8	75.2	66.1
1934	65.8	70.6	71.8	65.8	63.6	62.4	61.1	63.5	65.0	62.7	65.5	68.5	65.5
1935	73.7	66.4	69.1	69.9	68.7	62.3	60.4	60.6	63.6	65.5	70.0	67.8	66.5
1936	75.7	79.8	65.4	69.6	67.8	65.3	61.1	63.9	63.2	65.8	66.3	66.5	67.5
1937	71.3	66.0	75.9	62.1	62.6	60.6	60.2	58.3	64.9	63.5	72.5	73.7	66.0
1938	68.7	77.4	62.3	66.3	64.1	61.9	62.4	61.0	61.9	60.4	64.8	62.5	64.5
1939	65.6	73.1	70.5	65.6	63.7	65.8	...	...	...	...	...	...	...
Mean	69.4	69.0	69.4	66.8	65.3	62.1	61.0	61.8	62.5	63.4	66.6	66.7	65.3

Lat. 60° N. Long. 100° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.4	65.5	63.2	68.0	66.7	59.0	57.3	59.3	62.3	59.9	62.6	65.8	63.1
1930	68.4	64.3	65.7	66.3	64.9	55.8	58.2	60.7	61.0	64.4	61.6	60.5	62.7
1931	63.7	64.2	76.3	63.8	67.2	59.8	57.9	62.3	60.8	61.2	61.8	64.0	63.6
1932	69.2	64.6	73.6	74.0	65.7	63.9	63.4	60.9	59.9	63.5	66.9	62.1	65.6
1933	63.4	65.6	73.1	71.2	69.8	63.2	60.5	61.5	58.9	67.3	68.9	71.8	66.3
1934	66.3	69.8	68.5	66.3	67.3	63.9	61.1	60.6	64.6	63.7	68.0	68.7	65.7
1935	72.6	65.4	69.1	72.4	73.1	63.9	59.7	60.0	61.7	63.6	67.9	69.4	66.6
1936	71.5	74.7	64.2	67.5	68.0	64.3	62.4	62.5	60.4	64.7	65.0	66.7	66.0
1937	68.5	67.1	76.2	67.4	65.1	61.5	59.7	59.0	63.5	64.6	72.2	72.0	66.4
1938	66.8	76.0	62.5	67.4	65.3	62.1	61.6	58.7	62.4	59.7	63.1	60.8	63.9
1939	65.0	68.5	71.0	66.2	67.2	65.4	...	...	...	...	...	...	...
Mean	67.5	67.8	69.4	68.2	67.3	62.1	60.2	60.6	61.6	63.3	65.8	66.2	65.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 90° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.5	61.6	60.9	68.8	64.8	59.9	55.6	57.1	61.1	58.9	59.8	62.9	61.1
1930	62.6	63.6	63.5	64.6	64.9	56.4	56.3	60.0	60.0	62.8	57.7	60.0	61.0
1931	60.6	65.2	75.0	64.1	67.1	58.7	56.9	61.3	61.9	61.3	59.4	64.2	63.0
1932	67.6	64.4	69.1	72.6	66.1	64.0	62.2	60.6	58.6	60.7	63.3	55.4	63.7
1933	61.3	62.2	72.3	69.0	70.0	63.0	59.9	59.1	59.5	64.6	63.8	68.0	64.4
1934	63.3	67.3	64.8	64.4	66.5	63.7	59.0	55.8	63.2	61.4	67.1	66.0	63.5
1935	69.8	62.4	68.1	73.2	75.3	63.6	59.2	59.9	59.9	61.3	64.8	68.2	65.5
1936	66.5	68.6	62.3	62.8	68.4	60.6	63.9	61.2	58.3	61.1	61.0	65.1	63.3
1937	64.4	65.6	73.1	70.6	65.7	61.4	58.4	58.8	61.1	62.6	67.3	69.8	64.9
1938	64.1	73.2	59.6	65.0	66.2	61.6	60.4	58.5	59.7	57.6	59.8	59.0	62.1
1939	62.0	64.0	69.5	67.4	68.4	64.2	...	...	...	...	...	...	...
Mean	64.0	65.3	67.1	67.5	67.6	61.6	59.2	59.2	60.3	61.2	62.4	63.9	63.3

Lat. 60° N. Long. 80° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.0	59.8	58.2	69.3	65.0	60.7	54.4	57.2	60.3	58.5	57.8	60.8	60.2
1930	61.6	62.7	60.0	63.5	65.8	58.0	54.5	61.6	60.3	60.1	55.8	58.3	60.2
1931	58.1	65.6	73.8	63.1	65.2	59.3	58.1	60.7	61.2	61.8	56.1	62.8	62.2
1932	64.1	61.3	65.0	67.7	63.9	62.7	59.2	60.2	57.7	58.7	59.6	53.0	61.1
1933	58.8	61.0	70.2	65.7	67.8	61.6	59.9	56.2	58.2	61.5	59.0	63.6	62.0
1934	60.9	62.6	62.3	62.2	62.9	62.3	57.7	53.1	61.3	58.9	63.8	64.3	61.0
1935	67.9	58.4	66.5	71.8	73.8	62.2	57.7	59.6	60.6	57.0	61.5	67.1	63.7
1936	65.4	63.9	60.9	60.6	66.5	56.5	63.4	59.7	58.4	60.1	58.1	64.0	61.5
1937	62.2	64.6	67.9	71.5	64.7	59.3	57.0	58.1	58.1	56.9	60.1	67.3	62.3
1938	62.5	70.2	58.1	61.2	67.1	59.8	59.6	56.9	56.6	54.9	55.4	59.7	60.2
1939	59.0	61.9	68.1	65.3	64.5	61.8	...	...	...	...	...	...	...
Mean	61.9	62.9	64.6	65.6	66.1	60.4	58.2	58.3	59.3	58.8	58.7	62.1	61.4

Lat. 60° N. Long. 70° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	56.5	59.4	57.5	68.0	64.1	61.6	53.3	57.3	59.2	56.7	55.3	55.4	58.7
1930	59.6	58.6	55.1	62.6	62.9	57.1	51.9	60.0	59.3	57.4	54.6	56.4	58.0
1931	54.7	62.6	72.7	61.4	61.5	59.7	59.0	60.2	59.0	60.8	52.9	58.8	60.3
1932	59.6	56.3	60.1	62.5	61.9	60.3	56.8	58.5	56.3	56.0	57.4	51.9	58.1
1933	55.4	57.5	67.0	65.7	63.4	59.7	58.3	55.0	57.8	60.4	54.3	59.0	59.5
1934	56.5	58.1	61.0	63.0	59.7	61.0	56.5	50.5	59.7	57.6	57.9	59.2	58.4
1935	63.2	53.4	63.8	67.9	69.1	61.6	56.2	59.0	61.0	54.5	57.8	64.1	61.0
1936	62.8	58.8	61.0	59.4	61.8	52.7	60.3	58.6	57.8	54.4	53.1	61.3	58.5
1937	58.5	62.7	61.5	68.9	61.6	56.9	54.4	55.8	55.2	52.5	54.8	62.8	58.8
1938	59.0	65.4	56.2	57.5	63.8	57.6	56.5	54.7	52.4	51.6	51.4	58.5	57.1
1939	55.5	58.4	61.9	62.2	58.2	59.1	...	...	...	...	...	...	...
Mean	58.3	59.2	61.6	63.6	62.5	58.8	56.3	57.0	57.8	56.2	55.0	58.7	58.8

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 60° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	52.6	57.4	53.0	64.1	61.5	61.2	54.9	58.9	57.6	53.6	53.7	50.1	56.6
1930	54.8	53.6	52.7	60.1	60.1	55.6	52.9	60.0	59.0	58.7	54.1	52.3	56.2
1931	50.3	58.5	70.5	59.8	59.9	61.1	58.7	60.5	57.2	59.0	50.4	55.3	58.4
1932	55.0	51.9	54.9	61.5	62.4	59.7	56.3	58.1	57.4	54.8	55.7	48.3	56.3
1933	50.1	55.1	62.0	65.3	57.9	58.9	56.5	54.3	56.1	60.8	49.4	51.8	56.5
1934	50.1	54.2	58.7	66.4	57.9	61.3	56.7	52.5	59.1	57.5	53.5	50.6	56.5
1935	56.7	48.2	58.2	63.6	63.9	61.1	54.8	57.7	58.5	52.4	54.6	58.7	57.4
1936	58.2	55.0	62.2	58.8	58.4	53.7	57.5	58.0	58.6	50.1	48.6	57.2	56.4
1937	51.2	59.2	57.8	63.5	60.4	55.8	53.7	53.4	52.9	51.9	54.4	59.4	56.1
1938	52.5	59.7	53.4	55.4	60.6	56.2	55.8	54.2	50.7	49.1	49.1	54.5	54.3
1939	51.3	52.6	55.9	59.1	54.3	58.2	...	...	...	...	...	...	...
Mean	53.0	55.0	58.1	61.6	59.8	58.4	55.8	56.8	56.7	54.8	52.4	53.8	56.4

Lat. 60° N. Long. 50° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	49.9	50.1	47.2	59.8	58.9	61.6	59.3	61.3	55.9	52.9	51.8	43.3	54.3
1930	47.7	50.9	56.7	59.3	58.6	54.8	57.5	62.4	60.1	59.9	52.8	48.5	55.8
1931	48.8	55.7	65.9	58.7	60.2	65.7	59.0	62.4	57.9	59.4	48.2	54.5	58.0
1932	49.3	50.8	55.0	64.7	66.5	62.3	62.0	58.0	62.5	58.1	54.9	45.8	57.5
1933	43.5	60.6	56.3	65.6	53.1	57.4	56.1	54.1	53.8	62.4	45.9	43.4	54.4
1934	45.3	52.3	53.2	68.7	57.3	61.9	58.9	57.9	59.3	59.2	54.6	43.6	56.0
1935	51.0	43.8	52.9	61.0	61.1	60.0	54.0	58.6	55.8	52.2	52.5	54.8	54.8
1936	56.8	55.0	64.0	59.8	59.0	58.6	57.7	57.5	57.4	49.4	47.0	51.2	56.1
1937	41.0	54.1	58.0	55.4	59.7	57.1	56.1	53.5	54.4	53.7	57.4	57.5	54.8
1938	46.9	53.8	51.1	55.5	59.1	57.5	58.8	56.2	54.6	49.2	48.1	48.8	53.3
1939	50.6	45.9	51.2	56.2	54.6	59.7	...	...	...	...	...	...	...
Mean	48.3	52.1	55.6	60.4	58.9	59.7	57.9	58.2	57.2	55.6	51.3	49.1	55.4

Lat. 60° N. Long. 40° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	53.5	45.3	48.1	60.6	59.7	62.2	62.7	62.1	54.8	52.9	48.5	37.5	54.0
1930	41.4	50.9	59.5	60.5	57.0	54.0	61.0	62.6	61.2	58.1	52.1	46.1	55.4
1931	52.5	55.6	60.8	58.6	61.3	67.1	60.2	64.1	60.9	59.6	43.9	52.9	55.1
1932	43.9	56.9	57.3	67.4	69.3	64.0	65.5	58.6	64.0	59.6	52.1	42.3	58.4
1933	36.0	66.7	52.4	65.8	54.3	57.7	56.9	54.2	53.2	64.5	48.5	43.2	54.5
1934	44.3	55.4	50.8	68.8	58.1	63.0	60.1	60.0	55.9	58.6	58.2	41.8	56.3
1935	52.4	42.4	50.5	63.3	64.8	58.8	55.9	59.8	56.1	52.1	49.3	54.8	55.0
1936	58.7	57.4	62.6	61.5	61.0	61.8	59.0	58.3	58.7	51.2	50.2	47.1	57.3
1937	33.9	49.6	61.8	50.6	59.5	60.3	58.7	54.8	55.9	55.4	60.8	56.2	54.8
1938	42.8	53.0	50.4	59.3	60.5	58.8	59.9	58.3	56.2	48.3	46.0	45.5	53.3
1939	53.7	43.1	52.3	57.0	57.4	61.5	...	...	...	...	...	...	...
Mean	46.6	52.4	55.1	61.2	60.3	60.8	60.0	59.3	57.7	56.0	51.0	46.7	55.6

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 30° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.4	45.5	56.6	65.2	60.1	61.6	63.1	61.1	55.1	53.3	44.5	34.5	55.1
1930	37.0	56.0	58.6	60.9	56.9	53.1	62.2	59.9	62.0	53.2	51.9	45.2	54.7
1931	56.0	56.5	56.6	57.4	60.5	64.5	58.0	64.3	64.2	58.3	38.6	52.3	57.3
1932	42.3	68.6	58.6	66.8	67.4	64.6	63.2	58.7	60.8	56.9	52.4	42.3	58.6
1933	37.7	66.4	47.8	63.0	58.0	59.8	57.5	54.5	56.9	64.8	54.0	52.2	56.1
1934	41.8	61.6	49.6	65.7	58.7	63.7	60.5	57.6	49.1	56.4	60.0	40.8	55.5
1935	58.8	41.2	50.4	63.2	69.2	56.8	55.5	59.5	53.5	50.4	44.5	54.4	54.8
1936	57.8	58.1	58.3	62.9	63.6	63.5	58.3	59.2	60.5	54.0	54.0	47.1	58.1
1937	32.2	47.6	64.0	50.8	57.5	62.3	58.0	55.6	55.4	57.0	62.3	56.9	55.0
1938	41.8	57.4	50.5	64.1	61.7	58.1	59.4	60.1	57.0	44.4	44.3	44.5	53.6
1939	55.6	40.9	55.4	57.6	59.4	64.0	...	...	...	...	...	...	...
Mean	47.4	54.5	55.1	61.6	61.1	61.1	59.6	59.1	57.5	54.9	50.7	47.0	55.8

Lat. 60° N. Long. 20° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.9	48.8	64.3	68.5	59.6	61.4	63.4	59.6	56.7	51.5	40.7	33.8	56.4
1930	34.1	62.8	56.5	61.2	59.3	54.4	60.5	57.1	63.2	48.4	52.7	46.1	54.7
1931	55.8	54.8	58.1	57.7	58.7	63.0	55.1	65.1	68.7	58.7	38.3	55.5	57.5
1932	45.4	79.8	59.5	61.3	65.1	65.9	59.3	60.7	58.1	53.3	55.1	47.1	58.4
1933	45.1	64.7	47.2	62.2	61.4	60.3	58.6	55.7	62.4	62.6	58.6	60.4	58.3
1934	45.3	67.4	50.0	62.2	59.6	65.3	60.5	54.3	46.3	53.7	60.0	40.3	55.4
1935	64.9	42.1	54.6	62.3	72.6	56.0	57.4	58.9	51.5	47.1	42.7	52.7	55.2
1936	53.0	56.8	54.1	64.7	65.9	63.4	57.3	59.9	61.5	56.2	54.1	47.6	57.9
1937	35.6	45.5	63.4	53.1	56.4	62.6	57.6	58.4	54.0	59.3	61.7	58.8	55.5
1938	44.3	63.7	52.2	70.3	62.7	56.8	57.5	61.4	57.5	42.9	40.7	46.2	54.7
1939	55.2	42.8	59.0	57.6	62.5	64.2	...	...	...	...	...	...	...
Mean	49.7	57.2	56.3	61.9	62.2	61.2	58.7	59.1	58.0	53.4	50.5	48.9	56.4

Lat. 60° N. Long. 10° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.4	58.5	70.5	68.3	61.5	61.6	62.5	58.2	58.7	49.5	42.3	37.0	53.5
1930	38.6	68.7	55.6	61.3	61.6	57.8	59.2	56.3	63.8	47.9	52.4	48.7	56.0
1931	55.5	50.8	64.4	58.3	58.7	62.7	53.5	65.3	70.6	60.7	44.5	60.2	58.8
1932	49.5	83.7	60.1	54.8	64.7	67.1	57.4	63.7	56.6	51.1	57.6	54.6	60.1
1933	54.2	62.2	51.8	64.3	64.0	60.7	60.2	57.8	67.3	60.1	62.8	67.0	61.0
1934	49.8	70.3	50.8	60.0	60.1	67.4	61.2	53.6	50.7	51.5	62.3	42.9	56.7
1935	68.0	44.6	62.5	60.1	74.1	57.3	61.4	60.2	51.9	47.8	45.5	50.2	57.0
1936	47.9	55.7	56.8	66.0	68.7	63.2	55.3	61.5	64.0	59.0	55.1	49.1	58.5
1937	43.6	45.1	60.7	57.3	61.2	62.1	60.1	63.7	54.9	60.5	63.8	60.8	57.9
1938	46.2	67.9	56.1	73.4	63.2	57.1	57.8	65.9	59.8	45.1	42.6	50.3	57.1
1939	53.8	49.9	61.6	60.2	67.3	64.2	...	...	...	...	...	...	...
Mean	52.8	59.7	59.2	62.2	64.1	61.9	58.9	60.6	59.8	53.3	52.9	52.1	58.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 0°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.7	69.1	72.2	65.0	62.9	60.2	62.8	58.3	61.4	48.8	46.8	43.5	60.5
1930	45.5	72.9	55.5	62.0	62.7	62.8	58.1	57.9	64.0	51.4	51.8	55.7	58.4
1931	53.4	53.6	67.1	59.5	60.2	62.8	54.3	64.0	69.3	61.5	55.1	62.6	60.3
1932	56.6	79.9	62.3	52.8	63.2	67.1	58.3	66.0	55.3	50.9	59.9	60.7	61.1
1933	63.6	59.6	58.9	64.6	65.5	61.8	62.2	60.4	69.6	59.9	65.1	71.4	63.6
1934	54.4	69.2	51.2	59.6	61.0	67.6	62.5	56.7	59.0	51.3	63.2	50.4	58.3
1935	66.6	44.5	67.8	57.8	72.4	59.8	63.5	62.5	53.4	48.3	52.4	50.9	58.3
1936	45.5	57.5	60.9	63.7	70.7	65.2	55.0	62.9	66.9	59.7	55.9	53.0	59.7
1937	54.3	45.1	57.6	61.2	61.9	62.1	61.6	66.3	56.1	62.8	64.6	62.9	60.0
1938	47.2	69.2	58.8	71.3	63.3	58.1	59.5	63.0	63.2	49.3	46.6	57.6	58.9
1939	52.3	54.0	62.6	60.6	69.5	64.0	...	...	...	...	...	...	...
Mean	55.8	61.3	61.4	61.6	65.1	62.9	59.8	61.8	61.3	54.4	56.1	56.9	59.9

Lat. 60° N. Long. 10° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.8	78.7	69.7	61.5	65.9	59.4	62.2	60.5	63.9	51.5	55.5	52.5	63.1
1930	53.1	73.8	57.0	64.4	63.2	66.0	56.7	59.8	65.8	54.3	50.6	63.9	60.7
1931	54.5	59.6	65.7	61.4	63.5	61.2	56.6	60.2	64.7	60.2	65.7	61.3	61.2
1932	61.4	76.1	64.6	54.6	62.5	64.7	60.4	65.9	55.5	52.4	63.5	66.5	62.3
1933	70.9	60.1	64.1	63.6	65.5	62.2	62.2	61.5	70.1	60.5	65.9	72.8	65.0
1934	59.1	64.1	55.4	62.8	62.8	65.4	61.9	60.1	65.5	53.0	63.3	60.0	61.1
1935	64.7	45.9	70.5	57.4	70.0	61.9	61.4	64.5	54.4	50.8	68.4	58.5	60.3
1936	48.8	61.7	65.5	60.0	70.3	65.3	57.2	63.3	67.5	58.3	58.4	56.1	61.0
1937	66.1	48.3	57.5	64.3	66.5	62.1	61.5	66.6	57.5	65.8	63.8	66.4	62.2
1938	50.2	68.2	58.6	65.9	62.6	58.0	62.3	63.3	65.4	54.7	52.7	66.3	60.7
1939	55.7	57.5	64.5	59.7	69.7	63.0	...	...	...	...	...	...	...
Mean	60.0	63.1	63.0	61.4	65.7	62.7	60.2	62.6	63.0	56.2	60.8	61.9	61.7

Lat. 60° N. Long. 20° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.0	81.9	64.4	59.8	66.5	58.7	60.1	62.4	64.5	53.8	61.5	58.3	63.9
1930	58.9	72.8	57.8	66.9	63.6	65.8	55.7	59.3	66.9	56.5	50.7	69.6	62.0
1931	56.6	65.2	62.4	62.2	65.6	58.6	59.5	58.9	60.4	58.6	73.1	56.9	61.5
1932	63.2	70.1	64.8	56.8	62.6	62.6	60.9	64.4	56.2	54.1	65.5	68.0	62.4
1933	74.9	61.3	65.0	61.7	64.7	62.3	61.7	60.4	68.5	63.4	65.8	70.5	65.0
1934	64.2	59.3	59.8	64.6	63.5	63.0	59.2	62.0	68.7	55.3	62.8	67.8	62.5
1935	64.0	45.6	70.1	59.2	67.4	63.1	57.7	64.1	55.6	53.6	60.6	58.8	60.0
1936	53.2	63.7	66.8	59.6	69.6	64.6	59.3	63.2	66.0	57.0	62.4	58.5	62.0
1937	74.8	52.2	59.0	67.7	66.7	64.0	60.4	66.4	57.9	68.2	62.9	68.4	64.1
1938	53.7	66.0	55.4	60.1	62.3	57.0	64.3	63.8	67.3	58.5	57.1	74.3	61.7
1939	58.5	57.7	65.3	59.1	68.5	63.0	...	...	...	...	...	...	...
Mean	63.4	63.3	62.8	61.6	65.5	62.1	59.9	62.5	63.2	57.9	62.2	65.1	62.5



SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 30° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.8	82.4	60.1	59.6	67.3	58.2	59.7	64.5	64.8	58.0	67.3	64.9	65.1
1930	63.3	71.4	57.3	69.0	63.5	64.9	55.0	59.5	66.2	59.9	52.7	75.2	63.2
1931	61.9	72.7	59.3	63.3	66.4	58.0	62.1	59.2	57.6	58.2	77.5	55.7	62.7
1932	63.3	65.0	65.3	59.9	62.8	61.8	61.2	64.1	57.8	57.3	67.6	67.8	62.8
1933	89.0	63.7	64.8	59.7	63.4	61.1	61.6	58.7	67.0	66.1	66.0	67.3	65.0
1934	67.4	56.2	64.5	65.6	63.4	61.2	59.2	61.8	70.3	58.9	64.0	73.7	63.9
1935	66.0	48.8	67.1	60.7	65.5	63.4	54.9	62.4	55.9	57.4	76.4	65.4	62.0
1936	58.6	64.9	68.3	61.7	70.0	63.6	60.8	64.1	62.6	58.1	66.1	62.0	63.4
1937	79.8	55.2	62.8	70.5	66.3	64.7	58.7	66.5	60.8	69.5	64.8	68.5	65.7
1938	58.5	63.2	52.4	56.9	62.8	57.6	65.8	64.4	68.2	61.7	60.0	80.8	62.7
1939	61.8	57.5	66.3	59.2	66.6	62.5	...	...	...	...	...	...	...
Mean	66.9	63.7	62.6	62.4	65.3	61.5	59.9	62.5	63.1	60.5	66.2	68.1	63.6

Lat. 60° N. Long. 40° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.5	80.9	56.2	58.7	68.6	56.9	57.9	65.4	65.5	62.4	70.9	71.3	65.9
1930	66.1	70.2	56.9	70.7	62.9	62.1	54.9	62.0	64.4	62.7	58.2	77.3	64.0
1931	70.0	80.6	58.6	66.7	66.7	57.3	63.6	59.5	56.2	59.6	79.2	57.2	64.6
1932	60.3	62.8	66.2	62.9	63.5	62.2	60.3	65.6	59.7	61.2	67.6	67.0	63.3
1933	83.2	69.4	64.2	60.1	62.7	60.8	60.8	57.3	67.3	68.0	64.8	65.4	65.3
1934	70.6	52.8	67.2	65.4	63.7	58.7	62.0	63.2	70.8	63.1	67.3	74.7	65.0
1935	66.2	54.1	64.8	62.4	64.6	62.5	53.7	61.1	57.1	62.0	81.1	72.5	63.5
1936	63.1	68.1	69.3	64.7	70.4	62.4	61.4	65.4	59.8	60.1	68.6	64.1	64.8
1937	81.5	59.9	67.7	71.8	64.4	64.0	57.3	67.7	63.3	69.4	69.2	71.0	67.3
1938	65.0	61.2	51.2	55.7	63.5	57.0	67.0	65.6	69.4	64.9	62.5	85.4	64.0
1939	64.7	58.9	67.0	59.1	65.5	61.7	...	...	...	...	...	...	...
Mean	69.7	65.4	62.7	63.5	65.1	60.5	59.9	63.3	63.4	63.3	68.9	70.6	64.7

Lat. 60° N. Long. 50° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.9	76.9	55.5	58.0	68.4	56.9	57.7	65.7	64.0	65.6	72.2	75.8	66.3
1930	67.4	68.0	58.1	71.2	62.5	59.5	55.6	64.8	63.3	64.8	64.0	76.3	64.6
1931	75.2	87.8	60.5	70.6	66.2	58.0	63.4	58.4	68.6	61.1	77.7	59.0	67.2
1932	60.3	62.3	67.5	66.5	63.5	62.5	58.2	67.3	61.3	63.6	67.4	66.7	63.9
1933	85.5	76.6	63.9	62.6	63.5	60.7	59.8	56.0	68.7	70.5	63.9	63.8	66.3
1934	71.9	55.0	70.5	65.6	64.1	57.6	64.6	63.2	69.5	66.5	71.9	72.8	66.1
1935	67.1	60.1	65.6	64.1	65.5	61.0	51.1	61.0	58.7	66.5	82.6	79.5	65.2
1936	68.8	71.8	70.1	68.2	69.0	62.8	61.5	66.9	59.1	62.1	69.9	65.5	66.3
1937	82.4	66.6	72.0	71.8	62.9	63.8	58.2	69.2	65.4	69.4	75.5	76.2	69.5
1938	72.9	61.4	52.4	56.4	64.4	57.0	66.3	65.9	69.2	66.6	64.4	85.6	65.2
1939	66.5	...	...	59.7	65.4	...	...	...	...	...	...	...	...
Mean	72.4	63.7	63.6	65.0	65.0	60.0	59.6	63.8	64.8	65.7	71.0	72.1	66.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 60° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.7	74.5	56.0	59.0	66.2	57.5	57.5	64.2	61.9	66.5	72.7	78.7	66.2
1930	68.1	66.8	60.0	69.1	61.6	57.7	56.0	65.0	62.4	64.7	68.6	73.2	64.4
1931	76.8	91.0	62.6	...	65.9	58.5	63.1	57.3	60.8	62.8	75.9	61.9	66.9
1932	61.1	63.8	68.3	69.2	61.8	60.4	56.1	67.3	62.0	63.8	67.3	66.1	63.9
1933	87.6	81.5	62.6	65.3	64.0	60.5	59.6	53.9	69.2	70.6	63.3	63.3	66.8
1934	71.1	57.4	72.0	65.9	63.8	57.7	64.4	63.3	66.3	67.8	73.5	69.3	66.0
1935	68.1	64.8	67.5	65.7	64.4	60.0	56.9	60.5	59.9	68.8	79.6	84.0	66.7
1936	72.6	74.2	69.6	70.8	66.9	62.8	61.0	66.7	59.2	62.7	68.9	66.3	66.8
1937	81.8	70.9	75.3	70.4	61.7	63.2	57.6	69.5	65.6	68.5	77.8	79.5	70.2
1938	79.3	62.8	55.7	58.4	...	56.3	63.7	64.6	68.2	66.5	65.9	...	64.7
1939	68.7	...	...	...	...	...	...	...	...	...	...	...	...
Mean	74.1	70.8	65.0	66.0	64.0	59.5	59.6	63.2	63.6	66.3	71.4	71.4	66.2

Lat. 60° N. Long. 70° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.9	75.7	59.9	60.8	63.2	59.5	58.3	62.5	61.6	66.2	72.4	78.7	66.6
1930	69.3	66.4	61.7	68.0	60.9	58.9	56.4	64.2	62.9	64.0	72.3	72.0	64.8
1931	77.3	90.8	63.9	...	65.6	59.6	62.5	57.9	63.1	64.2	74.4	65.9	67.7
1932	62.7	68.4	70.6	70.3	60.2	60.4	54.9	67.0	63.6	62.8	66.6	65.5	64.4
1933	89.4	83.4	62.6	67.5	64.6	60.3	59.4	52.1	67.7	69.9	62.6	66.5	67.2
1934	70.1	62.4	76.5	65.2	63.5	58.6	61.9	64.0	63.1	68.7	73.1	66.0	66.1
1935	69.4	68.6	68.8	68.3	64.2	59.8	57.9	59.1	60.4	68.3	76.4	85.8	67.3
1936	74.8	75.4	69.2	72.4	64.5	61.5	60.7	64.5	60.1	63.9	67.0	66.6	66.7
1937	81.1	73.5	76.6	68.8	61.5	62.0	57.0	68.2	64.3	66.5	77.1	80.2	69.7
1938	82.2	64.5	59.3	60.6	...	...	...	63.6	...	...	69.2	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	75.6	72.9	66.9	66.9	63.1	60.1	58.8	62.3	63.0	66.1	71.1	71.9	66.6

Lat. 60° N. Long. 80° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.1	78.2	64.5	63.0	59.4	59.8	58.4	60.3	62.5	66.6	71.7	79.7	66.9
1930	71.9	67.4	63.8	67.2	58.4	59.5	55.0	60.7	64.4	64.3	74.7	72.7	65.0
1931	78.0	88.6	64.8	...	64.7	59.5	61.1	58.9	64.6	66.3	74.1	70.6	68.2
1932	65.3	73.7	72.5	69.8	58.9	58.2	52.7	66.0	64.2	63.3	66.0	65.1	64.6
1933	90.4	84.3	65.1	68.6	63.4	58.7	58.7	53.1	64.6	69.5	62.7	69.4	67.4
1934	71.9	68.4	76.4	64.2	61.8	58.3	57.7	63.0	61.4	69.6	72.0	65.3	65.8
1935	71.3	70.4	69.1	68.7	63.2	59.2	57.5	57.6	59.6	67.7	73.7	86.3	67.0
1936	76.0	76.8	71.0	71.6	61.6	59.2	57.8	61.4	61.5	64.5	66.8	66.3	66.2
1937	80.6	73.9	75.7	66.7	60.3	61.0	56.2	64.7	62.7	65.5	76.0	79.4	68.6
1938	83.1	67.9	63.0	63.0	...	...	...	...	...	...	73.3	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	76.8	75.0	68.6	67.0	61.3	59.3	57.2	60.6	62.8	66.4	71.1	72.8	66.6

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.9	81.6	68.8	65.4	57.9	58.3	57.5	59.8	64.5	69.0	71.3	79.9	67.9
1930	76.1	69.5	65.1	66.9	58.0	60.1	53.6	57.9	66.3	66.3	77.2	74.3	65.9
1931	80.0	87.1	65.5	...	63.8	59.5	59.5	59.9	65.8	68.8	74.2	76.9	69.0
1932	69.3	79.5	73.9	68.5	59.0	56.9	52.2	64.9	65.3	65.3	67.4	66.8	65.8
1933	90.8	85.9	68.9	68.3	62.9	57.3	58.0	55.3	62.0	70.6	63.6	72.0	68.0
1934	75.7	74.1	76.1	63.8	61.8	58.0	56.0	62.1	62.8	69.9	71.7	66.9	66.6
1935	74.3	72.3	70.9	67.9	62.5	59.3	56.3	56.4	60.9	67.0	73.5	87.3	67.4
1936	78.4	79.7	73.8	70.3	59.8	57.5	55.3	59.9	65.0	65.5	70.2	69.2	67.1
1937	81.0	74.2	75.7	65.0	61.8	59.4	55.4	61.4	62.5	64.5	73.4	79.3	68.0
1938	82.9	72.0	66.1	65.3	...	...	...	...	...	...	77.1	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	78.9	77.6	70.5	66.8	60.8	58.5	56.0	59.7	63.9	67.4	72.1	67.3	67.3

Lat. 60° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	81.7	84.4	71.1	65.8	58.5	56.9	57.2	59.9	65.9	70.0	71.0	82.5	69.6
1930	79.3	72.0	69.5	67.3	60.0	61.0	53.3	57.3	67.8	67.6	79.6	75.5	67.5
1931	81.2	85.7	66.4	...	63.3	59.5	58.3	60.0	66.4	70.8	75.1	80.8	69.5
1932	71.6	84.5	75.4	66.9	59.8	55.8	52.4	63.7	66.4	67.5	67.7	68.2	67.0
1933	89.4	86.5	72.0	67.9	62.3	56.3	57.5	57.3	61.3	72.2	65.8	74.2	68.6
1934	80.0	78.1	77.0	64.5	62.0	57.8	55.1	61.9	63.8	69.5	72.4	69.7	67.7
1935	77.5	73.3	71.7	67.6	61.9	59.0	55.3	56.5	63.0	67.4	75.0	86.7	67.9
1936	81.6	82.6	76.7	69.3	60.0	57.0	53.9	60.2	67.5	66.8	73.5	72.5	68.5
1937	82.0	76.5	77.1	64.9	61.9	58.4	54.2	58.5	62.3	65.2	75.3	81.9	68.2
1938	84.5	76.3	69.1	66.3	...	...	...	...	...	...	79.6	...	...
1939	82.1	...	...	...	...	...	...	...	...	...	...	...	...
Mean	81.0	80.0	72.6	66.7	61.1	58.0	55.2	59.5	64.9	68.6	73.5	76.9	68.2

Lat. 60° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	84.6	85.2	72.3	65.1	59.4	55.7	56.8	59.8	66.0	70.6	71.5	85.6	69.4
1930	80.5	74.5	71.1	66.3	59.8	60.7	53.6	57.8	67.6	68.3	80.0	76.3	68.0
1931	81.4	84.4	66.7	...	63.4	59.0	57.0	59.4	66.9	71.6	75.5	81.7	69.5
1932	71.8	83.4	77.0	65.9	59.7	54.4	53.3	62.4	67.0	68.5	67.0	70.5	66.7
1933	86.0	85.4	73.1	65.8	61.5	56.5	56.8	58.4	62.7	73.0	66.8	77.1	68.6
1934	83.2	79.4	76.5	65.2	62.5	57.6	55.3	60.5	64.4	68.2	72.7	72.6	68.2
1935	79.7	73.8	71.3	68.1	61.2	58.5	54.9	56.5	64.4	66.9	78.0	84.6	68.2
1936	84.9	60.5	78.5	68.9	60.7	56.7	54.6	60.2	69.0	69.3	77.6	75.7	68.1
1937	81.9	79.1	79.6	64.8	62.5	57.7	53.3	60.0	62.5	66.0	74.0	82.6	68.7
1938	85.0	79.3	71.3	66.0	...	...	...	...	...	...	79.8	...	...
1939	82.6	81.4	73.4	67.9	62.6	...	...	...	...	...	...	...	...
Mean	82.0	78.8	73.7	66.4	61.3	57.4	55.1	59.4	65.6	69.2	74.3	78.5	68.5

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 120° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	84.0	82.9	71.6	62.9	59.7	54.8	55.2	59.7	65.5	72.5	73.1	86.8	69.1
1930	79.3	77.8	72.2	63.0	60.0	59.3	52.9	58.2	66.5	68.5	76.9	74.3	67.4
1931	79.6	81.8	64.4	...	61.2	57.6	56.0	57.7	64.5	69.9	73.8	78.0	67.4
1932	70.3	82.9	75.5	63.3	58.4	54.6	54.5	61.2	67.2	67.9	67.7	73.0	66.4
1933	81.1	81.5	73.1	63.8	60.4	57.0	55.9	58.0	63.0	71.9	69.1	79.5	67.9
1934	84.5	77.2	71.9	64.1	61.6	57.2	56.5	58.8	63.5	66.0	70.9	74.3	67.2
1935	79.6	72.1	69.8	66.4	60.2	57.9	54.8	55.5	63.8	64.9	78.5	80.6	67.0
1936	85.5	84.6	77.2	66.8	60.8	55.3	55.3	58.9	68.8	68.2	79.1	75.7	69.7
1937	77.1	78.3	79.0	63.4	62.1	58.1	52.3	58.6	62.2	65.2	73.1	78.3	67.3
1938	83.5	77.5	70.7	64.5	...	...	...	...	...	...	77.3	81.0	...
1939	83.0	80.3	72.2	66.6	60.6	...	...	...	...	...	...	...	...
Mean	80.7	79.7	72.5	64.5	60.5	56.9	54.8	58.5	65.0	68.3	74.0	78.2	67.8

Lat. 60° N. Long. 130° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.2	77.5	67.3	59.9	58.5	53.9	53.3	58.1	63.1	68.9	70.2	82.7	66.1
1930	74.4	78.7	70.5	61.4	58.4	55.8	52.5	58.5	64.7	67.5	71.9	71.2	65.5
1931	76.8	77.4	63.0	...	62.0	57.9	56.8	56.8	62.6	67.2	70.1	72.3	65.4
1932	67.9	82.4	71.1	59.8	58.8	56.4	55.9	60.4	66.9	66.2	68.9	72.0	65.4
1933	76.1	78.0	71.2	60.6	57.3	56.9	55.3	57.6	61.1	70.4	69.6	78.3	66.0
1934	83.0	72.7	68.5	62.2	61.3	56.3	58.7	56.6	64.2	64.2	68.4	72.3	65.7
1935	74.9	68.9	67.7	65.6	59.5	57.8	55.0	56.2	63.0	65.1	75.8	74.6	65.3
1936	81.5	81.0	75.6	65.4	61.1	53.8	56.2	57.9	67.3	65.3	76.0	71.4	67.7
1937	72.4	74.8	74.8	61.1	61.0	58.6	53.1	57.5	61.0	63.0	68.7	71.0	64.8
1938	79.6	72.5	68.6	62.2	...	...	...	...	...	66.0	72.7	76.1	...
1939	80.0	75.3	71.5	64.3	60.7	58.3	...	...	...	...	...	...	...
Mean	77.0	76.3	70.0	62.3	59.9	56.6	55.2	57.7	63.7	66.4	71.0	74.2	65.9

Lat. 60° N. Long. 140° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.6	71.8	62.5	59.1	59.2	57.5	56.6	58.3	61.8	65.9	64.5	75.5	63.7
1930	67.6	76.7	71.6	61.2	59.5	56.8	53.0	60.6	64.1	64.3	67.1	66.0	64.0
1931	71.2	70.7	62.2	...	64.1	60.0	58.6	56.9	62.6	63.8	64.9	66.8	63.6
1932	65.7	76.8	67.3	59.2	60.9	59.4	57.9	60.3	66.7	63.5	65.3	66.9	64.2
1933	70.6	73.9	67.7	59.0	57.5	57.8	56.3	58.5	61.6	67.7	66.3	72.4	64.1
1934	77.7	65.6	64.8	60.1	63.5	56.5	61.0	58.5	64.7	61.3	64.3	67.1	63.8
1935	68.3	64.8	65.3	66.2	61.8	58.3	55.0	57.9	61.7	64.9	70.8	67.2	63.5
1936	74.7	74.9	72.4	64.0	61.6	53.5	58.2	58.2	65.9	62.2	69.3	65.1	65.0
1937	66.9	68.7	68.6	58.8	61.7	60.1	55.1	57.0	60.7	60.6	62.4	62.8	62.0
1938	74.8	65.6	65.8	59.8	...	...	...	63.8	66.0	64.1	67.1	68.1	...
1939	75.0	69.9	68.6	61.8	62.1	60.4	...	...	...	...	...	...	...
Mean	71.3	70.8	67.0	60.9	61.2	58.0	56.9	59.0	63.6	63.8	66.2	67.8	63.9

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 60° N. Long. 150° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	62.7	66.0	60.0	60.2	60.4	60.2	58.5	58.6	61.2	64.7	59.7	67.6	61.7
1930	59.5	73.1	71.9	60.8	59.5	57.9	52.7	61.7	64.5	59.4	64.7	61.4	62.3
1931	65.0	64.9	62.7	...	64.4	61.7	60.2	57.8	63.9	61.7	60.3	61.5	62.1
1932	63.3	71.0	64.0	59.9	63.3	63.0	60.0	60.9	65.1	61.0	62.9	61.6	63.0
1933	65.5	68.8	63.9	60.6	59.7	59.3	58.1	59.6	62.9	65.3	63.2	66.6	62.8
1934	72.1	59.7	61.3	58.8	65.5	57.2	62.9	57.4	64.5	59.2	59.8	61.3	61.6
1935	61.0	60.4	61.6	68.4	64.7	59.2	55.4	60.1	61.4	65.6	66.7	59.9	62.0
1936	69.2	68.6	68.8	61.5	62.8	54.2	59.7	59.8	64.8	60.3	64.6	59.4	62.8
1937	58.8	62.1	62.3	57.4	62.3	60.2	56.7	57.0	62.1	59.3	57.9	58.1	59.5
1938	70.3	59.7	62.3	56.9	...	...	...	63.1	63.9	61.6	63.9	61.2	...
1939	70.0	65.9	67.6	58.6	62.4	63.3	...	...	...	...	...	...	...
Mean	65.3	65.5	64.2	60.3	62.5	59.6	58.2	59.6	63.4	61.8	62.4	61.7	62.0

Lat. 60° N. Long. 160° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	55.5	58.6	58.9	61.6	59.3	61.0	58.6	57.6	60.1	63.4	57.4	60.4	59.4
1930	52.7	71.2	71.7	59.1	59.5	58.4	53.3	62.2	66.1	56.1	63.9	56.1	60.9
1931	59.6	60.8	62.8	...	63.4	62.6	62.0	58.7	66.0	59.4	57.2	56.6	60.7
1932	61.6	65.7	60.3	59.4	63.6	65.8	61.1	60.8	62.8	59.8	62.9	57.0	61.7
1933	61.5	64.5	61.2	61.4	61.3	59.4	61.1	60.2	63.4	62.9	61.3	63.5	61.8
1934	67.4	53.5	58.0	58.2	65.6	58.1	63.5	58.1	63.3	58.7	57.5	54.9	59.7
1935	55.3	56.4	57.9	70.7	66.4	59.9	55.6	61.8	61.6	65.0	64.0	54.0	60.7
1936	64.7	62.4	64.9	58.0	62.1	56.7	59.6	61.8	63.2	59.7	61.4	54.5	60.8
1937	52.0	56.6	57.1	57.5	61.3	59.6	56.4	56.5	62.6	59.0	56.0	57.6	57.7
1938	66.5	59.1	58.8	53.2	...	...	62.0	61.5	63.0	60.1	60.4	56.2	60.3
1939	65.8	59.8	67.3	55.1	63.1	64.5	57.8	57.5	60.7	61.5	58.2	55.5	60.6
Mean	60.2	60.8	61.7	59.4	62.6	60.6	59.2	59.7	63.0	60.5	60.0	56.9	60.4

Lat. 60° N. Long. 170° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	51.2	53.9	59.5	62.4	58.2	60.8	59.0	57.3	57.8	61.2	55.1	56.6	57.8
1930	50.9	69.5	70.1	59.0	59.6	60.4	55.5	63.2	66.8	55.3	62.2	51.2	60.3
1931	52.5	57.3	63.4	...	62.7	63.9	64.0	59.3	66.4	57.4	55.3	53.0	59.5
1932	58.6	62.5	57.2	56.8	62.5	66.9	61.3	60.9	60.8	58.2	64.0	52.3	60.2
1933	58.8	62.8	60.9	59.9	62.9	59.4	62.4	59.7	64.6	60.9	60.2	64.9	61.5
1934	64.3	49.1	55.9	57.1	64.7	58.8	63.4	60.9	61.1	56.7	56.0	50.9	58.2
1935	52.8	54.5	55.8	70.4	65.3	60.6	55.5	62.5	62.0	64.7	63.1	51.8	59.9
1936	61.6	58.6	61.2	57.0	59.9	58.7	60.5	64.6	61.8	59.2	59.9	51.4	59.5
1937	52.2	57.6	57.2	60.5	60.3	60.7	56.4	57.4	64.2	59.1	56.8	59.5	58.5
1938	62.9	61.0	55.5	51.0	60.1	60.1	62.4	59.6	61.8	57.5	56.5	50.4	58.2
1939	62.7	52.3	67.0	53.9	64.2	65.1	57.2	57.6	60.8	60.7	57.8	53.3	59.4
Mean	57.1	58.1	60.3	58.8	61.9	61.4	59.8	60.3	62.5	59.2	58.8	54.1	59.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 180°

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	37.3	38.8	60.3	61.2	54.2	59.4	65.7	64.3	54.0	56.4	52.4	55.3	54.9
1930	46.1	56.0	64.4	56.7	55.4	55.6	66.0	67.9	69.0	58.4	57.6	43.4	58.0
1931	36.0	47.7	55.2	62.7	61.5	63.2	68.5	60.6	63.5	60.3	55.0	58.5	57.7
1932	52.7	58.2	46.6	56.3	56.8	66.0	65.3	65.4	63.7	56.5	61.0	43.2	57.6
1933	57.3	55.1	56.0	59.1	63.5	61.0	66.7	63.0	61.3	58.8	59.8	61.2	60.2
1934	46.3	38.0	46.7	56.7	62.9	62.4	67.2	63.4	56.0	60.7	56.4	49.1	55.5
1935	50.1	53.9	56.9	61.8	60.2	60.2	62.5	65.4	61.8	65.8	56.8	42.9	58.2
1936	45.2	42.0	55.5	55.8	54.8	62.3	68.8	67.7	61.1	53.3	52.1	53.2	56.0
1937	59.8	60.6	56.6	64.0	54.6	59.4	62.8	63.9	61.5	55.0	60.8	49.2	59.0
1938	48.8	55.4	55.0	51.0	57.1	58.8	67.4	63.5	61.9	54.4	53.6	39.3	55.5
1939	44.1	43.9	59.9	63.2	66.7	62.0	63.4	63.4	64.0	61.8	57.0	47.7	58.1
Mean	47.6	50.0	55.7	59.0	58.9	60.9	65.8	64.4	61.6	58.3	56.6	49.4	57.4

Lat. 50° N. Long. 170° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	44.6	44.6	62.0	60.3	55.7	59.7	68.6	69.5	51.7	50.4	51.7	57.9	56.4
1930	53.1	54.7	61.8	60.6	55.6	57.8	68.7	71.4	65.9	59.0	55.6	43.3	59.0
1931	32.2	46.7	55.9	62.2	61.4	60.3	68.5	65.6	64.1	59.0	55.5	60.7	57.7
1932	57.1	62.1	48.2	56.5	56.4	64.1	68.8	65.8	62.4	53.9	58.3	44.3	58.2
1933	58.5	59.3	58.8	58.6	65.1	65.2	67.8	62.6	61.4	57.9	58.3	65.1	61.6
1934	47.4	39.7	49.5	57.5	61.4	61.7	70.0	66.0	56.0	58.9	54.9	51.1	56.2
1935	54.3	52.0	62.7	60.5	58.5	60.7	66.9	67.2	60.8	68.7	58.6	40.5	59.3
1936	42.3	47.6	58.5	60.6	50.8	65.0	71.5	65.0	61.9	50.5	50.2	57.2	56.8
1937	68.4	62.6	61.1	63.8	55.3	57.9	63.2	69.1	59.3	48.9	60.2	49.9	60.0
1938	49.8	57.5	54.6	52.4	54.2	57.6	68.1	67.9	58.9	51.1	55.5	43.0	55.9
1939	45.9	47.5	63.5	65.5	64.5	61.3	64.2	61.8	62.8	60.7	54.8	44.2	58.1
Mean	50.3	52.2	57.9	59.9	58.1	61.0	67.9	66.5	60.5	56.3	55.8	50.7	58.1

Lat. 50° N. Long. 160° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	54.7	55.4	62.1	61.4	58.4	59.1	70.5	70.6	56.7	46.3	57.0	59.2	59.3
1930	61.3	51.7	63.6	60.5	58.0	62.9	70.0	72.8	63.8	58.0	54.2	43.9	60.1
1931	32.0	46.5	54.7	59.9	60.5	58.9	66.5	68.7	64.2	58.1	58.9	61.8	57.6
1932	60.6	64.9	51.1	55.3	59.0	61.7	69.7	66.2	63.2	55.6	54.8	48.1	59.2
1933	60.3	59.0	57.6	61.3	65.1	67.6	68.7	62.1	61.1	55.7	57.7	62.7	61.6
1934	47.5	40.9	55.4	59.1	61.2	62.6	72.9	69.5	60.5	55.5	52.8	52.1	57.5
1935	55.7	51.9	66.6	60.2	58.6	61.5	70.0	70.6	61.9	68.7	61.2	62.0	62.4
1936	42.3	54.4	62.1	63.2	54.6	66.0	71.2	66.2	63.9	52.3	51.6	58.1	58.8
1937	78.5	63.3	61.0	61.9	55.5	57.0	64.5	72.4	61.4	45.0	58.2	51.6	60.9
1938	51.7	55.5	55.0	54.3	57.0	59.9	69.3	74.1	58.0	48.9	60.0	48.8	57.7
1939	51.1	55.9	62.8	65.6	61.3	65.2	65.6	63.9	64.2	59.7	51.4	40.4	58.9
Mean	54.2	54.5	59.3	60.2	59.0	62.0	69.0	68.8	61.7	54.9	56.2	53.5	59.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 150° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.6	66.1	60.9	63.0	64.2	59.0	70.4	67.0	65.6	48.6	61.8	58.9	62.5
1930	67.8	48.6	67.0	59.0	62.0	65.8	70.7	70.6	65.4	58.1	56.1	45.1	61.4
1931	38.8	49.3	55.1	56.4	61.6	60.0	67.2	69.1	65.7	58.1	63.8	57.7	58.6
1932	64.7	64.8	52.9	53.6	60.5	62.2	68.7	68.7	64.3	58.7	54.8	53.6	60.6
1933	60.5	61.1	55.6	64.9	63.3	67.8	67.6	64.6	60.6	56.4	58.6	57.9	61.7
1934	47.5	43.1	58.5	60.5	61.0	63.8	74.1	73.2	66.5	52.5	51.3	55.1	58.9
1935	55.4	54.4	67.1	63.4	62.1	61.8	72.0	73.3	64.1	67.0	63.6	41.3	62.1
1936	47.8	61.2	66.4	63.8	60.7	64.2	68.1	67.4	67.3	59.2	56.3	61.7	62.0
1937	82.2	60.1	56.6	60.7	58.8	57.1	66.8	72.7	65.9	48.2	57.1	54.1	61.7
1938	54.0	53.1	55.1	56.2	61.7	63.2	70.5	76.9	58.4	50.1	62.8	52.6	58.6
1939	55.0	64.4	62.5	62.6	60.7	67.5	66.4	66.1	65.6	61.1	49.5	38.1	60.0
Mean	58.0	56.9	59.8	60.4	61.5	62.9	69.3	70.0	64.5	56.2	57.8	52.4	60.8

Lat. 50° N. Long. 140° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.0	73.7	62.2	64.1	68.8	59.8	68.4	64.6	71.5	56.1	68.9	59.8	65.7
1930	68.9	51.4	68.9	58.0	65.3	66.3	71.9	68.8	67.0	59.6	60.4	51.9	63.2
1931	45.9	55.2	57.1	55.5	65.1	61.6	70.1	69.6	65.1	60.9	67.2	53.3	60.6
1932	65.0	64.6	56.2	55.4	69.2	64.5	66.6	70.5	67.7	63.4	55.7	59.5	63.2
1933	59.1	64.0	55.9	68.2	61.7	66.6	67.9	66.9	60.0	60.7	63.9	53.8	62.4
1934	53.6	51.6	62.3	63.2	61.2	67.0	71.3	74.0	69.8	56.7	49.8	58.8	61.6
1935	54.8	58.3	64.5	66.0	67.6	62.5	72.5	72.7	66.3	66.7	65.1	46.7	63.6
1936	54.5	62.9	68.2	63.5	64.2	62.2	65.2	68.3	69.9	66.6	61.6	60.7	64.0
1937	77.7	57.8	54.0	58.9	61.6	61.0	70.2	70.6	68.4	54.3	55.7	55.7	62.2
1938	57.3	52.9	56.1	59.2	67.7	68.2	70.9	73.9	61.6	55.6	65.1	59.1	62.3
1939	57.1	68.2	64.1	63.7	63.5	67.5	66.8	67.6	62.8	64.7	52.6	41.3	61.7
Mean	60.4	60.1	60.9	61.4	65.1	64.3	69.3	69.8	66.4	60.5	60.5	54.6	62.8

Lat. 50° N. Long. 130° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.3	73.7	64.3	62.3	70.5	62.9	68.2	65.2	70.1	64.3	74.5	62.2	67.4
1930	67.5	57.5	69.0	61.4	66.2	65.9	70.6	67.7	66.1	64.0	64.8	62.2	65.2
1931	56.3	61.6	64.2	60.7	67.5	63.3	68.6	69.3	63.5	64.1	66.5	52.2	63.2
1932	64.8	63.4	61.1	60.6	67.0	67.0	66.2	67.9	69.2	66.4	59.1	63.8	64.7
1933	66.1	67.8	59.5	69.6	62.2	66.6	68.7	67.4	59.8	64.2	70.3	53.0	63.8
1934	62.7	62.1	66.9	66.7	63.8	67.8	68.7	70.2	67.7	61.9	55.2	62.6	64.7
1935	55.7	64.0	61.4	65.4	70.0	65.2	70.0	69.3	66.1	67.9	68.0	55.9	64.9
1936	60.2	61.8	67.3	66.1	64.5	62.9	65.3	68.2	69.4	70.5	72.3	61.0	65.8
1937	69.3	56.9	58.2	60.3	66.2	63.8	70.4	64.9	68.5	61.3	57.5	60.5	63.2
1938	63.5	56.0	57.7	64.6	69.9	69.5	69.6	69.1	61.8	60.6	66.9	64.8	64.3
1939	60.5	68.6	65.4	67.0	65.5	67.0	67.5	68.0	62.8	66.0	59.9	53.5	64.3
Mean	62.4	63.0	63.2	64.1	66.7	65.6	68.5	67.9	66.2	64.7	65.0	59.2	64.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 120° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.2	72.8	62.0	62.6	66.0	61.7	64.6	63.6	66.1	67.2	75.5	66.7	66.7
1930	74.8	62.2	66.0	62.4	63.0	63.5	65.5	64.8	63.2	66.6	69.0	71.9	66.1
1931	65.4	66.7	66.9	66.4	64.9	62.4	65.1	66.1	62.8	65.9	67.4	61.8	65.2
1932	66.6	64.1	66.9	62.2	64.7	63.6	64.0	63.2	68.6	67.8	66.3	69.0	65.6
1933	59.0	69.6	65.0	67.6	63.9	64.7	66.0	65.7	60.8	67.0	73.7	61.6	65.4
1934	70.0	71.7	70.3	68.6	65.9	65.3	65.9	68.3	68.0	67.2	63.5	71.4	68.0
1935	67.4	74.8	63.1	67.2	67.8	65.0	65.9	66.2	66.1	69.3	71.6	70.3	67.9
1936	66.3	68.7	66.8	68.1	64.9	64.2	64.4	66.4	68.1	71.9	79.6	65.0	67.9
1937	74.1	64.2	66.0	64.1	67.0	65.3	67.0	66.6	68.3	67.5	66.1	68.2	67.0
1938	71.0	66.4	61.5	67.2	67.6	66.3	66.6	67.1	67.5	67.6	71.3	71.4	67.6
1939	65.8	68.8	67.9	68.3	65.3	65.5	...	...	...	...	...	...	...
Mean	68.3	68.2	65.7	65.9	65.5	64.3	65.5	65.8	66.0	67.8	70.4	67.7	66.8

Lat. 50° N. Long. 110° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.7	71.5	60.5	62.3	65.9	60.4	63.6	64.0	66.4	67.8	71.0	69.5	66.2
1930	75.6	62.0	67.2	62.9	62.0	59.8	63.9	64.9	62.8	67.4	68.8	68.3	65.5
1931	64.8	65.0	69.9	66.6	63.6	60.6	62.9	65.0	62.0	65.8	66.5	63.1	64.7
1932	67.4	63.7	69.6	63.2	63.8	61.4	61.0	62.2	66.1	67.2	67.2	66.2	64.9
1933	58.6	66.8	65.6	65.6	61.6	61.0	63.1	64.6	58.9	66.1	69.5	67.0	64.0
1934	65.8	72.2	70.6	66.3	62.7	62.7	63.5	66.4	66.1	66.7	64.3	69.5	66.4
1935	70.9	71.3	63.0	66.9	65.9	61.8	63.4	63.8	66.4	67.1	70.5	69.8	66.7
1936	68.9	75.5	63.6	67.8	62.9	63.1	61.7	65.6	65.1	68.0	73.6	66.5	66.9
1937	72.2	66.8	71.1	61.3	62.4	64.0	64.5	63.1	67.5	66.6	69.2	69.6	66.5
1938	69.5	74.0	60.6	66.9	64.0	64.1	65.2	64.3	66.6	66.4	67.3	67.1	66.3
1939	63.6	70.3	68.9	67.4	63.0	63.8	...	...	...	...	...	...	...
Mean	68.1	69.0	66.4	65.2	63.4	62.1	63.3	64.4	64.8	66.9	68.8	67.7	65.8

Lat. 50° N. Long. 100° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.5	70.5	61.0	63.2	66.9	61.1	62.4	64.9	66.0	68.1	66.9	69.6	66.1
1930	74.5	62.9	66.1	66.5	63.5	58.7	62.9	65.3	61.9	66.0	66.8	66.9	65.2
1931	65.1	67.9	73.9	66.8	63.4	60.8	60.6	64.7	61.0	63.8	65.2	66.1	64.9
1932	67.4	65.5	69.3	67.4	65.8	60.5	61.9	62.7	65.9	65.7	67.9	65.3	65.4
1933	60.8	65.1	69.3	65.5	62.0	60.8	63.5	64.9	58.3	66.8	67.4	69.8	64.5
1934	67.9	72.5	70.4	65.8	62.8	61.4	63.5	64.8	64.2	65.0	66.6	70.1	66.3
1935	73.0	70.6	62.5	68.5	69.0	60.5	62.1	62.6	65.2	66.5	70.4	71.0	66.8
1936	72.1	73.7	61.2	69.9	64.2	63.0	61.9	65.1	64.0	66.2	70.6	66.7	66.6
1937	72.5	65.9	73.3	64.6	64.1	62.5	63.3	62.0	66.6	66.1	67.7	69.7	66.5
1938	69.3	75.4	60.4	66.6	63.5	63.7	63.3	62.1	67.8	66.1	65.8	65.8	65.8
1939	64.7	71.1	69.6	66.8	61.6	61.7	...	...	...	...	...	...	...
Mean	69.1	69.2	67.0	66.5	64.2	61.3	62.5	63.9	64.1	66.0	67.5	68.1	65.9



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 90° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.6	69.1	61.2	64.5	65.6	63.1	62.1	64.3	65.8	67.1	63.7	67.5	65.1
1930	69.9	63.9	62.2	67.6	63.9	59.8	62.1	65.5	60.4	65.5	63.1	65.8	64.1
1931	65.2	69.0	72.9	66.8	62.5	63.5	60.3	65.7	62.4	63.2	63.2	67.9	65.2
1932	65.2	64.2	64.6	70.4	66.4	62.9	61.4	63.0	66.0	64.2	67.3	64.0	65.0
1933	62.8	64.0	69.8	65.3	64.4	62.4	64.8	65.3	60.5	65.5	65.0	70.7	65.0
1934	66.2	73.2	70.0	61.8	63.7	61.7	64.0	64.5	64.5	65.1	66.7	68.1	65.8
1935	71.9	68.8	64.7	70.9	70.3	59.8	63.2	62.9	64.6	66.2	70.6	71.1	67.1
1936	69.2	68.4	60.2	67.8	66.9	63.9	63.7	65.8	65.2	65.3	67.3	67.6	65.9
1937	70.4	62.5	71.9	67.2	65.8	62.4	63.8	64.1	65.8	64.8	64.0	69.6	66.0
1938	67.6	75.9	61.6	66.3	64.4	63.6	63.5	62.2	67.9	67.0	64.1	64.6	65.7
1939	65.6	66.8	69.5	65.7	64.8	61.9	...	...	...	...	...	...	...
Mean	67.4	67.8	66.2	66.8	65.3	62.3	62.9	64.3	64.3	65.4	65.5	67.7	65.5

Lat. 50° N. Long. 80° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.6	68.6	62.2	65.2	63.4	61.8	62.3	62.2	66.4	65.5	61.1	68.3	64.8
1930	69.4	65.4	58.4	65.7	64.6	60.2	61.0	64.9	60.2	65.7	64.3	64.5	63.7
1931	66.5	68.5	69.5	64.9	63.3	65.3	61.1	66.5	64.4	63.9	63.8	68.4	65.5
1932	65.5	64.0	61.7	68.1	66.2	62.3	59.5	62.2	65.7	63.4	69.3	65.4	64.4
1933	64.1	62.3	68.7	65.1	66.7	63.6	66.3	65.4	61.8	66.0	64.2	70.4	65.4
1934	67.2	71.6	69.5	62.0	64.5	62.0	63.5	64.2	66.1	64.4	67.3	67.3	65.8
1935	71.7	67.3	67.4	70.3	69.2	61.6	64.1	64.4	65.4	66.9	69.7	69.6	67.3
1936	67.9	65.8	60.1	65.5	66.8	62.6	62.9	65.0	66.9	63.6	65.0	69.0	65.1
1937	69.3	63.0	67.6	67.2	66.0	62.7	63.3	65.2	65.5	62.4	62.4	66.5	65.1
1938	66.8	75.8	62.6	65.4	65.2	63.1	63.6	62.7	65.2	67.7	64.6	63.3	65.5
1939	64.5	66.3	69.3	63.6	63.6	63.6	...	...	...	...	...	...	...
Mean	67.0	67.1	65.2	65.7	65.4	62.6	62.8	64.3	64.8	65.0	65.2	67.3	65.2

Lat. 50° N. Long. 70° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.4	68.0	61.0	65.0	64.0	61.1	60.6	59.6	66.2	62.3	60.5	66.7	63.0
1930	69.8	63.6	52.7	62.4	63.2	61.8	58.5	64.3	61.3	67.8	65.4	63.8	62.9
1931	62.3	66.3	67.0	63.2	62.7	64.0	60.3	65.5	63.0	62.7	64.5	64.5	63.8
1932	66.8	64.1	55.1	62.0	63.9	59.4	55.6	62.2	65.1	62.4	71.2	65.4	62.8
1933	62.9	59.4	64.3	65.4	63.3	61.4	64.3	64.0	60.9	66.5	60.8	67.4	63.4
1934	66.1	67.4	68.1	65.1	62.0	61.0	61.2	62.6	68.3	63.2	67.6	63.9	64.7
1935	69.3	63.4	65.2	65.4	63.0	61.9	63.3	63.6	64.8	66.6	70.6	64.0	65.1
1936	63.3	63.2	62.3	62.9	64.2	59.6	59.4	63.9	66.1	62.0	62.7	70.5	63.3
1937	70.3	63.6	59.8	67.5	64.2	62.1	61.6	64.6	64.1	62.2	62.4	67.0	64.1
1938	66.0	73.9	64.2	65.3	63.5	62.6	61.6	61.6	63.3	66.4	66.6	64.5	65.0
1939	62.7	67.3	66.8	62.9	62.3	63.5	...	...	...	...	...	...	...
Mean	65.4	65.5	62.4	64.3	63.3	61.7	60.6	63.2	64.3	64.2	65.2	65.8	63.8

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 60° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	52.0	65.0	56.3	62.0	63.3	61.0	60.4	60.6	65.7	60.9	61.3	62.2	60.9
1930	68.0	61.6	51.6	60.7	62.6	62.6	59.2	64.9	59.7	67.4	65.3	59.9	62.0
1931	55.0	61.1	65.6	61.8	62.1	63.7	61.6	64.0	60.6	62.9	63.3	57.4	61.6
1932	64.1	59.3	48.2	60.7	63.1	60.3	56.5	63.8	66.2	62.2	70.0	63.9	61.5
1933	60.1	55.5	58.4	66.7	59.6	59.6	62.3	63.1	58.3	67.4	57.4	60.3	60.7
1934	63.4	61.7	67.5	67.8	62.2	60.7	61.0	62.4	70.3	61.2	66.9	54.5	63.3
1935	62.9	58.4	57.6	59.7	58.0	65.1	62.6	62.4	61.8	66.6	71.1	53.8	61.7
1936	55.9	57.0	66.7	60.4	63.2	60.9	57.9	62.5	64.1	62.8	60.2	66.6	61.5
1937	68.2	61.5	53.4	65.1	65.7	63.1	61.5	64.6	63.9	63.9	62.5	64.0	63.1
1938	63.6	69.2	63.3	65.9	61.7	62.7	63.8	61.8	63.6	64.8	63.7	61.4	63.8
1939	55.4	64.3	62.4	60.7	61.5	61.0	...	...	...	...	...	...	...
Mean	60.8	61.5	59.1	62.9	61.9	61.9	60.7	63.0	63.4	64.0	64.2	60.4	62.0

Lat. 50° N. Long. 50° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	47.5	59.7	53.1	61.3	63.6	61.0	63.2	64.5	64.4	62.9	58.1	55.7	59.6
1930	63.2	59.2	56.0	59.8	60.3	62.3	63.4	65.2	58.6	65.5	62.5	57.6	61.1
1931	55.0	60.7	59.9	64.2	61.4	64.8	63.5	65.0	59.8	63.2	60.7	53.8	61.0
1932	59.0	55.3	49.9	64.6	63.2	63.2	62.2	66.1	69.5	65.7	67.9	60.6	62.3
1933	56.7	58.1	55.8	64.9	55.1	61.8	63.2	64.0	61.1	69.8	56.1	56.5	60.3
1934	60.7	62.7	65.9	70.7	65.7	60.1	61.5	64.9	70.6	62.5	66.9	46.8	63.3
1935	63.7	55.5	52.6	56.2	57.9	66.7	63.6	64.8	59.7	66.4	68.9	50.1	60.5
1936	52.3	55.5	67.2	62.4	65.0	65.8	61.5	63.9	62.9	65.7	61.4	65.7	62.4
1937	60.8	56.6	53.4	59.9	67.8	66.0	62.8	65.5	67.0	65.9	63.9	63.2	62.7
1938	61.4	60.2	59.6	66.3	61.5	64.2	67.2	63.3	65.2	63.9	59.9	58.4	62.6
1939	52.5	60.4	58.4	57.9	61.7	60.2	...	...	...	...	...	...	...
Mean	57.5	58.5	57.4	62.6	61.9	63.3	63.2	64.7	63.9	65.2	62.6	56.8	61.5

Lat. 50° N. Long. 40° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	47.5	54.2	49.9	60.4	63.6	60.9	66.2	67.4	64.9	65.9	55.1	52.2	59.0
1930	57.7	58.9	57.1	61.9	59.5	63.0	67.4	65.6	59.0	62.3	59.7	58.7	60.9
1931	59.9	62.9	51.2	66.9	57.5	65.7	66.4	64.1	61.2	61.9	55.7	51.8	60.4
1932	53.5	54.0	53.7	69.5	61.0	64.2	68.5	66.7	70.2	67.7	65.5	56.1	62.6
1933	53.9	60.6	51.8	59.8	52.8	66.3	65.2	65.0	63.4	70.3	58.5	55.7	60.3
1934	56.5	68.0	63.8	69.3	67.0	60.2	63.6	66.9	66.1	64.7	64.5	40.0	62.6
1935	65.1	53.4	51.8	56.6	59.6	64.9	65.7	67.0	56.0	66.4	67.7	51.2	60.5
1936	49.4	54.6	65.8	62.7	69.2	70.0	64.3	65.1	59.5	67.5	64.7	63.5	63.0
1937	51.3	53.6	52.7	54.9	67.8	69.0	63.4	65.4	68.9	67.1	61.8	63.1	61.6
1938	58.9	57.3	58.0	65.6	62.4	64.0	69.1	65.8	65.3	62.6	57.3	56.6	61.9
1939	48.4	55.1	59.8	56.9	62.0	63.5	...	...	...	...	...	...	...
Mean	54.7	57.5	56.0	62.2	62.0	64.7	66.0	65.9	63.5	65.6	61.1	54.9	61.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 30° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	55.1	52.6	56.5	62.6	63.0	62.8	67.9	69.1	66.8	67.1	53.0	51.0	60.6
1930	52.4	62.8	58.8	65.0	61.3	62.8	67.5	65.4	60.7	60.5	60.6	61.0	61.6
1931	67.3	69.4	48.8	67.6	58.1	64.4	66.0	53.7	67.0	62.6	51.0	59.3	61.3
1932	54.3	63.0	57.2	73.2	60.7	65.5	71.1	68.3	68.7	67.4	65.4	53.5	64.0
1933	57.8	62.2	51.9	56.2	56.9	69.2	65.9	66.3	66.8	71.2	62.6	59.9	62.2
1934	59.3	76.4	61.7	66.2	68.7	61.6	67.6	66.3	60.4	66.1	67.1	41.0	63.5
1935	74.2	53.7	54.5	53.9	65.0	60.9	68.3	68.1	54.9	67.8	62.5	53.5	61.4
1936	49.7	52.6	60.3	64.3	71.6	70.7	65.1	68.3	58.6	68.3	67.3	64.1	63.4
1937	47.4	53.4	53.2	55.3	64.7	70.9	64.1	66.6	68.3	67.0	62.6	64.5	61.5
1938	59.6	64.3	61.9	68.9	65.0	65.2	68.6	67.9	67.1	61.7	54.5	58.6	63.6
1939	50.3	55.0	64.8	57.5	64.2	69.2	...	...	...	...	...	...	...
Mean	57.0	60.5	57.2	62.8	63.6	65.8	67.2	66.0	63.9	66.0	60.7	56.6	62.3

Lat. 50° N. Long. 20° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.4	56.7	66.3	65.2	63.1	65.2	67.9	68.1	68.7	64.9	51.1	51.1	62.8
1930	50.2	68.4	61.4	64.3	65.8	63.7	65.9	63.9	63.2	60.1	63.5	63.1	62.8
1931	68.4	70.7	50.6	67.7	57.0	64.3	64.2	64.1	72.6	66.4	49.9	70.4	63.9
1932	60.6	74.9	60.5	67.8	60.7	66.8	68.5	68.9	65.9	64.6	65.7	56.7	65.1
1933	62.5	65.9	64.0	60.5	62.2	68.8	67.5	67.6	68.8	68.7	66.2	66.2	64.9
1934	63.4	81.8	59.6	61.1	70.0	65.5	68.8	64.5	58.8	67.3	69.3	41.6	64.3
1935	81.0	56.2	61.9	61.3	69.6	58.3	71.6	68.7	57.6	67.1	56.1	54.4	63.7
1936	48.0	51.0	53.0	66.7	70.3	67.4	64.6	71.1	62.7	69.7	66.7	66.8	63.2
1937	47.0	55.9	52.6	59.2	63.3	71.8	65.9	68.1	66.6	65.4	62.0	64.4	61.9
1938	62.7	72.1	69.0	75.4	65.2	67.5	66.7	68.3	67.1	62.2	54.6	58.5	65.8
1939	62.7	62.1	69.1	61.5	68.7	71.1	...	...	...	...	...	...	...
Mean	60.2	65.1	59.8	64.6	65.1	66.4	67.2	67.3	65.2	65.6	60.5	59.3	63.9

Lat. 50° N. Long. 10° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.5	62.0	73.7	66.9	63.7	67.6	67.6	67.4	70.5	62.9	53.4	54.9	65.3
1930	53.5	69.2	61.2	60.0	67.0	65.6	64.0	63.7	64.7	60.9	61.7	63.0	62.9
1931	66.7	66.6	57.6	65.2	57.7	66.3	62.5	63.2	73.5	70.0	55.4	76.6	65.1
1932	68.0	79.8	62.6	61.2	61.8	67.6	64.9	68.4	64.4	60.6	67.2	61.7	65.7
1933	67.8	65.9	59.0	67.9	64.5	65.1	68.5	69.1	67.1	64.8	64.2	68.8	66.1
1934	68.1	83.0	56.2	58.1	69.7	68.2	67.7	64.1	62.0	67.3	67.9	46.7	64.9
1935	60.5	59.7	69.7	61.5	69.3	59.9	72.4	68.1	61.4	64.2	54.2	55.1	64.7
1936	48.7	52.7	56.1	65.9	67.0	67.1	62.0	71.0	67.0	70.7	64.7	68.9	63.5
1937	52.2	55.4	52.1	60.6	64.8	70.2	67.7	69.3	64.8	64.5	62.9	63.2	62.3
1938	65.0	75.4	74.5	77.5	64.5	68.4	66.0	67.0	66.5	63.4	57.7	59.9	67.2
1939	52.2	66.7	69.7	63.9	69.6	67.8	...	...	...	...	...	...	...
Mean	63.2	66.9	62.9	64.4	65.4	66.7	66.3	67.1	66.2	64.9	60.9	61.9	64.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 0°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.8	67.6	76.0	64.9	65.6	66.8	67.8	66.7	69.5	61.6	59.1	60.0	66.7
1930	59.9	67.2	61.7	57.9	65.4	65.8	62.6	64.5	65.2	63.6	62.3	62.8	63.2
1931	63.8	63.5	63.2	62.5	61.4	67.5	61.8	62.0	71.7	71.3	61.2	77.1	65.6
1932	75.2	79.2	64.2	59.4	62.2	67.1	63.8	68.6	63.8	58.2	68.5	68.9	66.6
1933	70.8	66.1	64.7	69.8	64.9	61.6	68.8	68.5	66.2	63.1	62.7	69.5	66.4
1934	72.5	80.5	56.7	57.6	69.1	67.3	66.5	63.8	66.5	67.0	66.6	54.7	65.7
1935	75.0	59.9	71.2	61.3	66.9	63.9	70.0	66.0	63.9	62.9	56.8	54.3	64.3
1936	51.7	55.6	60.0	63.7	64.2	66.4	62.3	69.9	67.1	70.0	63.4	71.4	63.8
1937	59.7	54.5	54.0	61.1	65.6	68.0	67.0	67.8	63.9	64.1	66.1	61.9	62.8
1938	65.3	75.5	76.2	75.1	64.7	68.4	65.7	65.3	66.4	64.1	62.3	61.6	67.6
1939	54.9	70.1	67.1	64.0	66.8	66.8	...	...	...	...	...	...	...
Mean	65.8	67.2	65.0	63.4	65.2	66.3	65.6	66.3	66.4	64.6	62.9	64.2	65.2

Lat. 50° N. Long. 10° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.6	71.8	75.2	62.7	65.2	65.7	67.2	66.7	69.2	62.4	64.2	65.0	67.5
1930	66.5	68.8	62.6	57.3	63.4	65.6	60.8	65.9	65.1	63.6	64.2	67.2	64.3
1931	62.7	63.0	64.6	62.0	61.9	67.0	62.1	62.4	68.8	69.8	67.6	75.1	65.6
1932	78.3	76.1	65.4	59.1	61.5	65.7	62.6	69.1	64.8	59.0	70.6	74.7	67.2
1933	73.2	66.6	67.9	67.9	63.6	60.2	68.1	67.1	67.0	64.4	61.9	70.4	66.5
1934	74.1	76.5	58.1	60.1	67.1	65.1	64.4	63.4	68.2	66.6	67.8	61.5	66.1
1935	71.2	59.9	70.8	59.6	65.2	66.0	67.2	65.3	65.4	63.3	69.3	57.7	65.1
1936	58.4	59.2	63.3	60.4	62.7	64.9	63.4	68.4	67.0	67.6	66.0	71.1	64.4
1937	67.4	57.6	55.4	60.0	66.5	65.8	64.8	65.7	64.1	66.2	66.6	63.7	63.7
1938	63.9	74.7	74.8	69.9	63.8	67.3	65.9	63.4	67.1	65.8	66.1	65.3	67.3
1939	59.8	71.6	63.7	63.2	62.7	65.1	...	...	...	...	...	...	...
Mean	68.2	67.8	65.6	62.0	64.0	65.3	64.7	65.7	66.3	64.8	66.4	67.2	65.7

Lat. 50° N. Long. 20° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.9	74.2	73.5	62.5	64.5	64.6	65.8	66.6	69.3	63.3	67.5	68.7	68.0
1930	69.0	71.6	62.6	58.4	62.8	65.7	59.1	64.7	65.8	63.1	63.3	69.7	64.7
1931	63.1	65.5	64.2	63.0	63.0	65.8	62.5	61.5	64.7	68.5	73.0	71.2	65.5
1932	79.0	72.4	67.8	59.3	60.5	63.8	61.6	67.6	65.1	60.5	72.9	78.0	67.4
1933	76.1	64.8	69.2	65.7	61.3	68.0	66.0	65.2	66.8	66.3	64.9	71.2	66.3
1934	75.4	71.8	69.7	62.9	66.2	63.5	60.4	62.5	68.9	66.7	68.2	66.5	66.1
1935	69.7	68.4	71.1	60.4	65.3	66.5	60.9	64.7	65.5	62.2	63.0	60.7	64.0
1936	60.7	60.6	65.0	60.0	62.7	63.5	63.4	66.2	67.4	64.6	68.6	74.5	64.8
1937	78.2	58.0	57.6	61.6	67.1	65.2	62.9	62.9	64.8	69.6	66.2	64.5	64.5
1938	63.9	74.0	69.9	64.7	64.2	66.2	65.0	61.8	68.5	65.9	69.2	70.0	66.9
1939	61.8	70.1	61.4	63.4	60.4	63.7	...	...	...	...	...	...	...
Mean	69.7	67.4	65.6	62.0	63.5	64.2	62.8	64.4	66.7	65.1	67.7	69.5	65.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 30° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.6	76.0	69.8	64.2	65.2	62.7	63.1	65.3	68.3	66.1	72.4	71.9	68.4
1930	73.0	73.2	61.7	62.1	62.9	64.1	57.3	63.0	66.5	66.0	64.7	75.1	65.8
1931	67.4	73.1	62.1	64.5	64.7	63.9	61.5	60.5	68.2	68.1	77.4	67.8	66.2
1932	77.4	68.4	69.8	60.0	62.1	61.6	60.2	66.4	66.7	63.8	74.2	78.1	67.4
1933	79.5	65.9	70.0	62.2	59.9	56.9	63.3	61.8	66.7	68.5	68.9	70.0	66.1
1934	77.4	67.6	65.1	66.7	66.5	61.9	58.1	62.3	69.9	68.7	70.4	73.9	67.4
1935	70.9	57.8	71.3	61.5	64.6	65.8	61.0	63.8	65.3	64.8	78.1	67.2	66.0
1936	68.9	63.6	69.7	62.0	66.2	61.4	62.5	63.3	66.2	65.1	71.0	74.0	65.7
1937	76.5	61.3	63.1	65.5	67.3	65.3	60.2	60.5	66.1	71.8	72.4	64.5	66.2
1938	64.1	70.9	64.9	62.2	64.6	64.8	62.9	63.1	68.8	66.9	70.0	75.5	66.6
1939	65.3	68.8	61.6	64.6	61.5	63.3	...	...	...	...	...	...	...
Mean	71.9	67.9	66.3	63.2	64.1	62.9	61.0	63.0	66.8	67.0	72.0	71.3	66.5

Lat. 50° N. Long. 40° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.8	76.9	66.2	64.5	66.7	59.5	60.8	65.2	66.2	69.9	76.5	74.4	68.6
1930	75.5	74.0	62.8	65.7	63.0	61.6	56.3	62.1	67.7	69.5	68.2	77.6	67.0
1931	72.1	81.4	63.4	65.9	64.5	61.7	59.5	59.4	63.4	68.0	79.4	66.7	67.1
1932	74.0	65.8	71.5	61.2	63.6	61.0	57.5	65.4	67.1	68.8	75.4	78.7	67.5
1933	79.1	70.3	70.2	60.4	61.4	57.2	61.1	60.5	67.7	72.2	70.0	68.7	66.6
1934	79.8	65.7	69.7	68.9	66.3	59.2	59.3	61.7	69.5	70.7	73.9	76.2	68.4
1935	72.6	61.7	70.2	62.5	65.4	63.4	59.0	60.2	64.9	67.7	82.4	74.0	67.0
1936	68.0	67.9	74.3	65.3	67.6	59.5	61.3	62.8	64.4	67.2	73.2	74.3	67.2
1937	78.9	66.2	69.3	69.1	65.9	63.7	58.5	60.6	66.1	72.5	72.5	68.1	67.6
1938	66.0	68.6	63.0	62.2	65.7	62.5	63.1	64.7	69.1	68.3	70.7	79.1	66.9
1939	68.5	67.9	63.0	64.6	63.6	62.2	...	66.1	...	...	...	67.8	...
Mean	73.7	69.7	67.6	64.6	64.9	61.0	59.6	62.6	66.6	69.5	74.2	73.2	67.3

Lat. 50° N. Long. 50° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.8	76.8	65.9	65.6	63.9	58.8	60.4	66.3	64.1	74.2	78.7	78.3	69.9
1930	77.3	73.9	64.2	69.6	64.5	59.5	55.9	64.1	68.5	71.9	70.1	78.9	68.2
1931	78.7	88.6	67.2	69.4	64.8	60.7	58.9	56.6	65.0	69.3	80.8	67.3	68.9
1932	73.7	66.8	73.1	63.0	64.8	62.7	54.9	66.2	66.9	71.6	77.2	78.1	68.3
1933	79.7	76.6	71.4	61.7	62.9	57.4	58.4	58.7	68.6	76.1	70.2	67.7	67.5
1934	84.2	65.7	72.8	70.5	66.8	57.6	60.3	61.1	69.4	72.3	79.6	77.8	69.9
1935	76.5	66.6	70.2	63.5	67.1	61.3	58.8	60.8	65.8	69.5	85.0	81.8	68.9
1936	73.6	73.0	76.2	67.8	67.3	58.9	59.7	63.7	64.9	68.0	75.9	75.5	68.7
1937	80.9	73.1	74.2	70.9	63.9	61.6	57.6	61.6	66.8	73.3	78.5	74.7	69.3
1938	72.4	68.6	63.1	61.7	67.0	61.0	62.8	64.9	70.8	69.4	72.1	81.8	68.0
1939	73.7	...	...	...	...	...	...	...	...	...	...	...	...
Mean	77.4	73.0	69.8	66.4	65.3	60.0	58.3	62.4	67.1	71.6	76.3	76.2	68.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 60° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	85.0	75.9	67.7	65.0	69.0	58.3	59.1	65.6	62.9	76.6	80.2	82.8	70.7
1930	78.9	73.1	66.3	70.6	63.6	58.0	55.3	63.5	69.2	71.6	72.9	77.6	68.4
1931	81.6	92.4	69.9	...	64.9	59.8	58.0	54.7	65.8	71.5	79.3	71.7	69.8
1932	75.9	67.8	74.6	66.4	66.2	62.7	52.9	67.1	66.3	72.5	77.0	76.5	68.8
1933	82.9	80.1	70.8	64.9	63.7	57.4	55.8	57.6	70.2	78.0	70.6	68.6	68.4
1934	86.1	69.2	76.1	72.6	66.9	58.0	61.0	60.6	69.0	76.1	83.4	79.6	71.6
1935	79.4	69.5	72.3	66.8	67.8	59.5	57.9	60.2	67.1	71.9	86.4	86.9	70.5
1936	78.6	76.7	77.9	70.5	66.3	58.9	58.4	63.9	66.2	68.6	78.9	75.7	70.1
1937	81.4	78.0	77.3	71.1	63.5	59.6	56.0	62.8	67.6	74.1	82.5	80.9	71.2
1938	79.5	70.4	65.6	62.5	...	...	...	64.0	70.6	68.7	73.9	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	80.9	75.3	71.8	67.8	65.8	59.1	57.2	62.0	67.5	73.0	78.5	77.8	69.7

Lat. 50° N. Long. 70° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	87.3	77.4	71.6	66.0	67.5	57.7	58.6	63.8	63.8	76.7	81.0	86.3	71.5
1930	82.2	75.0	70.9	71.5	63.4	59.0	55.2	61.7	69.7	71.9	76.2	78.0	69.6
1931	82.8	93.0	71.8	...	65.0	59.5	57.2	54.5	66.3	73.1	78.1	75.6	70.5
1932	77.7	72.4	76.2	68.8	64.3	61.8	51.7	66.2	66.2	73.0	76.4	77.4	69.3
1933	86.1	80.7	71.1	67.5	63.9	57.5	54.6	56.3	71.0	78.2	72.0	71.5	69.2
1934	85.5	73.7	78.9	73.0	65.9	57.7	59.1	60.6	68.6	76.8	84.9	80.1	72.1
1935	81.6	73.4	72.8	70.5	67.5	58.2	56.2	58.8	66.8	73.9	85.3	89.1	71.2
1936	81.0	78.2	75.0	71.8	65.0	58.2	57.1	62.8	66.1	69.1	80.0	78.6	70.2
1937	84.0	80.0	78.6	71.1	63.6	59.6	54.5	62.9	67.5	74.4	83.5	84.2	72.0
1938	83.3	71.6	67.9	64.0	...	...	...	...	...	...	75.1	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	83.2	77.5	73.5	69.4	65.1	58.8	56.0	60.8	67.3	74.1	79.3	80.1	70.4

Lat. 50° N. Long. 80° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	87.7	80.5	76.7	69.1	66.0	58.7	57.5	62.8	65.4	77.3	81.4	87.4	72.5
1930	85.5	77.9	74.7	72.6	63.0	59.6	55.9	60.6	70.5	74.1	80.2	80.3	71.2
1931	84.7	94.0	74.8	...	66.1	60.2	56.8	55.7	66.4	74.2	78.6	79.8	71.8
1932	80.8	78.6	78.9	70.6	63.5	60.5	51.2	64.7	66.3	73.8	77.6	81.5	70.7
1933	89.1	82.1	74.7	69.8	64.6	58.1	55.1	56.8	70.0	77.6	73.9	75.6	70.6
1934	85.7	77.6	79.9	72.9	65.6	58.0	57.2	60.9	68.3	77.6	85.5	80.8	72.5
1935	83.4	77.0	73.7	71.5	66.3	58.3	55.3	58.5	65.9	73.5	84.1	91.5	71.6
1936	83.6	79.8	79.3	72.3	64.2	57.0	55.4	60.9	66.3	70.3	79.4	81.2	70.8
1937	86.4	80.1	79.8	71.2	64.6	59.1	54.5	62.5	67.1	75.1	83.6	85.4	72.5
1938	84.5	78.1	69.8	65.7	...	...	...	...	...	...	77.1	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	85.1	80.1	76.2	70.6	64.9	58.8	55.4	60.4	67.4	74.8	80.1	82.6	71.4

SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	86.8	82.9	79.1	71.8	63.5	59.7	57.3	62.5	66.8	76.2	81.1	86.1	72.8
1930	88.2	77.8	75.3	71.2	63.2	59.6	55.1	58.6	70.9	74.5	82.4	82.8	71.6
1931	85.5	92.9	75.3	...	66.5	59.4	55.7	56.6	67.0	74.6	79.1	83.1	72.2
1932	83.3	83.0	77.8	70.5	63.2	58.8	50.4	62.7	65.7	73.6	77.6	84.4	70.9
1933	90.8	84.1	76.3	70.2	64.5	58.0	55.4	58.0	68.3	76.7	73.9	77.3	71.1
1934	86.6	82.0	78.9	71.4	64.7	58.0	55.2	60.6	67.7	78.2	82.5	80.3	72.2
1935	84.8	79.8	74.2	71.0	65.2	58.3	54.9	58.7	65.6	72.2	82.5	93.8	71.8
1936	85.6	80.5	78.7	70.0	63.1	55.8	54.4	59.6	67.4	71.2	77.4	81.1	70.4
1937	85.7	79.5	78.3	69.2	64.5	56.0	54.8	61.0	66.8	73.6	81.3	85.3	71.4
1938	85.7	75.0	70.2	67.2	...	...	...	...	...	...	79.6	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	86.3	81.8	76.4	70.3	64.3	58.2	54.8	59.8	67.4	74.5	79.7	83.8	71.4

Lat. 50° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	86.6	84.4	78.6	71.1	60.8	57.4	56.6	60.5	66.3	74.1	78.9	86.9	71.9
1930	89.5	77.2	75.9	68.5	61.9	59.2	54.1	57.2	70.0	73.6	83.0	82.1	71.0
1931	83.9	89.8	74.5	...	64.8	58.0	54.9	56.5	66.8	74.4	79.7	84.8	71.4
1932	83.9	86.3	78.3	69.0	62.6	56.8	50.4	61.4	65.7	73.1	76.5	85.0	70.8
1933	91.3	85.1	77.0	68.2	63.2	57.7	55.7	58.5	66.0	76.0	74.2	78.5	71.0
1934	88.0	85.6	77.7	68.7	63.9	57.6	54.1	60.7	67.7	77.6	79.6	79.8	71.8
1935	85.7	80.6	73.8	69.2	63.4	58.0	55.2	58.3	65.7	70.0	81.5	92.8	71.2
1936	87.0	81.6	78.8	68.1	61.4	54.4	53.8	58.8	68.3	71.2	75.0	81.4	70.0
1937	85.5	78.9	76.2	67.1	63.4	57.9	53.7	60.1	65.9	71.5	77.7	84.7	70.2
1938	87.6	77.1	71.4	67.3	...	...	...	...	...	...	81.3	...	...
1939	78.9	...	...	...	62.9	...	...	...	...	...	...	...	...
Mean	86.2	82.7	76.2	68.6	62.8	57.4	54.3	59.1	66.9	73.5	78.7	84.0	70.9

Lat. 50° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	87.2	82.1	75.3	66.4	56.9	52.5	53.4	57.2	64.1	71.7	74.8	86.4	69.0
1930	88.6	76.8	74.6	64.4	57.9	56.9	52.5	55.1	66.5	72.4	79.6	80.6	68.8
1931	81.1	86.0	70.8	...	61.0	54.9	53.5	56.1	64.5	72.3	79.2	84.2	69.2
1932	81.5	87.0	75.5	65.5	59.4	54.8	51.0	59.3	66.3	71.5	72.9	84.4	69.1
1933	89.4	83.1	75.9	64.5	60.8	56.9	55.4	58.4	64.4	74.9	75.5	80.4	70.0
1934	88.6	84.5	73.5	66.7	62.2	56.0	54.5	60.1	65.7	74.2	76.2	79.8	70.2
1935	85.6	78.6	71.5	66.3	60.8	57.8	54.5	57.8	64.6	67.0	81.7	87.6	69.5
1936	87.2	82.6	78.4	66.4	58.2	52.7	53.4	57.6	66.1	69.4	75.3	80.6	69.0
1937	85.3	80.5	75.9	66.0	62.4	58.0	51.8	59.6	64.1	69.5	74.3	80.6	69.0
1938	87.3	78.0	72.2	65.9	...	...	...	...	...	...	79.3	81.4	...
1939	80.9	79.5	...	66.6	59.3	53.6	...	...	...	...	...	...	...
Mean	85.5	81.7	74.4	65.9	59.9	55.4	53.3	57.9	65.1	71.4	76.9	82.6	69.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 120° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	82.2	75.6	70.4	62.0	56.7	49.9	50.8	55.3	62.6	67.7	70.7	81.6	65.5
1930	82.4	77.3	72.4	61.8	55.1	54.8	52.1	55.5	68.6	70.2	73.8	77.2	66.3
1931	78.4	81.2	65.9	...	57.2	51.9	53.8	54.7	60.8	69.8	76.5	80.0	66.1
1932	76.7	83.4	69.7	60.4	55.9	54.3	51.4	57.9	66.3	67.5	69.2	80.4	66.1
1933	84.4	78.5	72.5	62.2	57.9	55.7	54.4	57.5	62.2	71.6	74.0	78.4	67.4
1934	85.0	77.7	68.0	63.8	59.6	54.2	55.5	57.8	63.0	69.5	70.1	76.9	66.8
1935	79.0	78.1	68.9	62.4	57.7	56.2	54.1	56.3	62.8	63.1	80.2	79.7	66.1
1936	82.2	80.6	75.5	63.6	56.1	51.5	51.8	55.3	61.1	63.9	71.4	75.4	65.7
1937	80.7	77.6	74.2	63.2	59.4	57.4	50.9	59.1	61.7	66.5	72.4	74.5	66.5
1938	83.1	76.0	70.7	62.5	...	...	...	...	...	66.0	74.3	80.0	...
1939	82.1	79.4	69.0	65.1	57.4	52.4	...	...	...	...	...	...	...
Mean	81.5	78.2	70.7	62.7	57.4	53.8	52.8	56.6	62.7	67.6	73.3	78.4	66.3

Lat. 50° N. Long. 130° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	74.6	72.3	66.5	58.6	57.6	53.8	51.7	55.2	61.2	66.2	69.0	77.5	63.6
1930	75.0	76.6	71.3	60.7	55.3	55.1	53.5	57.5	62.8	67.1	67.2	72.2	64.5
1931	74.1	75.4	68.3	60.4	57.9	55.4	56.9	55.2	59.3	66.5	71.6	73.2	64.1
1932	70.9	77.1	64.5	57.1	55.3	56.6	53.6	57.8	66.6	63.2	65.8	74.2	63.6
1933	77.4	72.9	68.8	60.0	56.4	55.6	55.5	57.6	61.0	67.8	70.0	71.9	64.5
1934	76.7	69.2	63.0	60.9	59.1	53.9	56.9	57.4	61.5	65.9	63.7	72.8	68.4
1935	73.2	68.1	64.6	61.4	55.6	55.1	54.7	57.0	61.6	62.5	75.2	71.8	63.4
1936	73.0	74.0	70.5	60.5	57.5	53.0	52.9	55.5	61.1	60.1	67.4	69.1	62.9
1937	73.2	72.2	68.7	60.4	56.6	58.0	51.5	58.7	60.6	63.6	68.2	66.2	63.2
1938	75.4	69.1	68.4	59.2	...	...	58.9	60.9	63.1	66.6	70.3	74.3	64.8
1939	77.9	78.7	65.5	62.3	57.7	53.1	...	...	...	...	...	...	...
Mean	74.7	72.8	66.8	60.1	56.9	54.9	54.6	57.3	61.9	65.0	68.3	72.3	63.8

Lat. 50° N. Long. 140° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.0	66.1	61.9	59.0	61.3	57.5	54.4	58.0	60.1	65.3	65.3	71.2	62.1
1930	67.1	72.8	69.5	61.3	58.2	57.8	55.6	60.9	64.6	64.6	62.6	65.3	63.4
1931	68.2	68.5	59.6	59.6	61.0	61.0	60.1	57.6	61.3	63.6	67.2	66.1	62.8
1932	66.6	70.6	60.2	57.6	57.3	61.0	59.5	58.8	67.8	61.6	63.2	66.5	62.6
1933	70.2	65.0	65.2	60.3	59.7	57.9	58.4	59.1	62.4	65.2	63.8	63.3	62.5
1934	66.3	61.4	58.9	58.9	62.3	56.9	60.5	58.7	62.7	64.3	58.5	67.1	61.4
1935	64.7	64.1	62.0	62.6	57.2	57.8	56.7	59.1	62.2	64.3	69.7	63.8	62.0
1936	62.9	66.9	67.2	59.2	61.7	54.9	56.7	56.9	62.1	58.6	62.7	63.2	61.1
1937	66.8	68.2	62.6	59.6	57.0	58.9	55.0	58.8	61.2	62.3	62.2	59.2	61.0
1938	68.1	60.7	65.7	56.4	60.7	...	61.3	64.8	62.2	63.3	65.7	64.2	62.6
1939	69.5	67.1	62.8	61.6	60.0	58.2	...	...	...	...	...	...	...
Mean	66.9	66.5	63.2	59.6	59.7	58.2	57.8	59.3	62.7	63.3	64.1	65.0	62.2



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 50° N. Long. 150° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	52.3	56.4	56.4	58.2	62.9	60.9	57.2	58.0	59.0	64.2	61.2	64.7	59.3
1930	57.7	66.8	69.0	61.1	59.8	59.3	56.9	63.8	66.4	61.1	60.5	58.1	61.7
1931	59.8	60.8	59.5	59.4	62.0	64.9	61.3	59.2	63.8	62.2	62.3	60.1	61.3
1932	62.7	64.0	56.4	59.0	59.9	65.5	62.6	61.3	67.4	61.8	61.7	57.0	61.6
1933	63.4	58.3	60.9	61.9	62.4	60.0	61.6	61.7	62.2	62.7	59.9	55.0	60.8
1934	57.4	62.5	55.3	58.1	63.7	60.2	61.7	59.3	64.1	64.7	55.3	59.4	59.3
1935	53.9	59.2	59.4	63.9	61.3	60.3	58.5	61.4	63.8	66.5	63.6	54.5	60.5
1936	58.4	58.1	63.0	57.2	64.3	57.7	60.4	59.7	63.4	57.3	59.9	58.8	59.4
1937	58.4	62.1	55.5	60.4	57.9	62.3	59.0	58.8	63.1	61.7	57.4	62.7	59.1
1938	62.1	54.0	62.5	54.2	62.0	...	63.1	65.7	59.7	60.8	61.8	54.2	60.1
1939	60.1	58.6	58.0	59.0	62.0	63.8	60.6	60.3	62.5	64.7	59.2	59.8	60.7
Mean	58.3	59.2	59.6	59.3	61.7	61.5	60.3	60.8	63.2	62.5	60.3	57.6	60.4

Lat. 50° N. Long. 160° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	40.4	43.7	53.8	58.6	60.5	61.3	59.8	58.2	59.3	63.3	57.8	57.1	56.2
1930	48.0	60.3	69.2	58.7	58.3	58.5	58.6	63.8	68.0	57.3	60.6	50.9	59.4
1931	49.1	51.6	56.4	59.8	61.4	66.8	62.4	59.1	65.0	62.6	58.0	57.0	59.1
1932	59.1	57.3	52.6	57.9	60.0	66.2	62.1	62.8	65.5	60.1	60.9	48.4	59.4
1933	58.3	53.6	56.0	60.9	62.7	59.0	63.7	63.6	61.3	59.3	59.4	52.8	59.2
1934	52.3	42.8	50.1	58.4	63.4	60.8	60.9	60.3	61.9	64.4	56.7	51.0	56.8
1935	46.3	54.6	54.5	65.3	63.6	60.5	59.7	63.4	64.0	66.6	60.2	48.0	58.9
1936	48.9	48.9	57.4	52.6	62.4	61.1	61.6	63.3	62.4	56.0	57.5	54.9	57.3
1937	52.5	57.0	49.5	61.3	56.7	61.1	62.0	58.7	63.3	60.6	56.1	51.2	57.5
1938	56.7	52.6	58.7	52.6	62.6	60.9	64.3	64.2	60.0	59.4	58.0	45.5	58.0
1939	54.1	50.5	55.1	57.2	63.8	67.7	61.8	61.8	62.9	62.4	58.8	54.1	59.2
Mean	51.4	52.1	55.8	58.5	61.4	62.2	61.5	61.7	63.1	61.1	58.5	51.9	58.3

Lat. 50° N. Long. 170° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	86.5	86.4	57.2	61.3	57.2	60.6	62.3	59.7	57.2	60.3	54.6	58.1	54.7
1930	43.4	56.7	67.4	55.8	56.3	58.4	61.3	65.4	69.8	56.8	59.5	46.0	58.1
1931	41.2	48.4	54.2	62.1	61.7	66.2	65.8	59.0	64.8	61.6	55.3	56.4	58.1
1932	54.4	54.8	49.6	56.8	59.0	67.0	62.4	64.8	65.0	58.6	61.8	43.5	58.1
1933	56.7	53.6	53.0	59.8	61.2	58.6	65.4	63.1	61.9	58.2	59.8	56.9	58.9
1934	48.8	37.5	46.9	57.2	63.5	62.0	63.2	61.8	59.5	62.8	56.0	47.9	55.6
1935	46.4	54.7	53.1	64.1	62.1	59.8	59.8	65.8	62.9	65.2	56.7	43.7	57.9
1936	47.2	43.3	54.2	52.0	59.4	61.6	64.6	67.0	61.4	54.4	55.2	53.0	56.1
1937	54.2	57.4	51.7	62.6	55.6	60.8	63.3	59.7	63.6	59.0	58.4	50.8	58.1
1938	62.4	53.0	57.0	53.3	60.7	60.0	66.3	62.6	61.7	57.1	56.4	40.4	56.7
1939	49.3	43.5	55.7	59.4	66.1	66.2	62.5	63.5	63.7	61.9	57.9	49.5	58.3
Mean	48.2	49.0	54.5	58.6	60.3	61.9	63.4	62.9	62.9	59.6	57.4	49.1	57.8

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long 180°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	48.1	51.6	71.2	66.6	65.4	65.9	71.6	70.4	63.3	64.8	67.5	64.9	64.3
1930	51.8	51.1	68.1	68.7	67.0	65.9	72.5	69.2	67.5	63.6	66.9	57.1	64.1
1931	49.5	59.9	59.3	71.1	67.9	63.9	67.6	69.4	66.7	71.7	65.4	71.2	65.3
1932	60.2	60.3	52.6	68.1	67.2	65.9	71.4	71.3	70.2	67.2	65.1	57.6	64.8
1933	63.0	59.5	63.9	68.2	67.3	66.0	74.1	70.0	66.4	66.6	66.7	55.1	65.6
1934	49.5	46.4	56.4	71.7	64.9	69.4	71.5	69.5	63.2	71.3	65.9	59.9	63.3
1935	58.8	58.7	63.8	65.1	64.2	65.6	66.8	68.4	63.2	66.1	62.9	53.2	63.1
1936	51.4	46.7	67.7	67.5	67.4	65.6	69.7	70.2	65.3	59.5	64.7	64.6	63.4
1937	62.4	70.9	65.5	70.5	64.6	65.8	72.9	70.5	67.9	64.9	64.4	54.9	66.3
1938	56.5	52.8	67.8	64.3	69.9	66.7	72.5	71.8	69.0	63.5	65.7	57.5	64.8
1939	64.3	64.5	62.5	71.9	68.0	63.3	72.6	70.9	66.5	64.5	66.9	54.7	64.2
Mean	55.0	55.7	63.5	68.5	66.7	65.8	71.2	70.1	66.3	65.8	65.6	59.2	64.5

Lat. 40° N. Long. 170° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	52.1	58.4	72.6	67.2	66.3	67.2	75.1	74.5	62.4	63.1	67.5	65.1	66.0
1930	54.2	53.1	66.6	70.8	69.1	68.4	73.8	73.0	65.8	62.9	66.1	57.5	65.1
1931	49.6	60.7	59.5	71.2	67.5	64.3	71.5	72.6	68.7	70.9	68.3	74.9	66.6
1932	63.1	62.5	55.8	69.5	69.0	67.7	76.4	72.0	69.9	64.9	64.0	60.1	66.2
1933	65.9	60.1	66.6	69.3	69.9	71.0	76.5	70.7	69.9	64.6	66.1	55.3	67.2
1934	51.6	48.1	57.0	72.0	66.6	70.8	76.2	71.4	64.4	70.4	66.6	60.8	64.7
1935	57.7	60.2	66.8	67.7	64.6	66.8	75.4	71.8	64.5	68.2	66.8	51.5	65.2
1936	50.0	51.0	69.5	68.9	68.4	68.2	75.5	73.1	67.8	57.4	63.4	69.2	65.2
1937	67.7	72.2	69.3	69.9	67.0	65.5	73.7	75.6	66.9	62.0	65.2	54.1	67.4
1938	58.7	54.7	68.9	66.1	69.7	68.1	74.8	75.3	67.5	63.6	66.6	58.7	66.1
1939	57.9	59.9	65.8	74.2	68.5	65.5	74.5	70.2	51.7	63.1	66.4	52.5	64.2
Mean	57.1	58.3	65.3	69.7	67.9	67.6	74.9	72.7	65.4	64.6	66.1	60.0	65.8

Lat. 40° N. Long. 160° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.6	64.6	72.1	68.5	69.2	67.5	77.5	75.0	63.9	62.1	67.3	63.1	67.5
1930	59.4	55.3	69.0	69.9	70.9	70.8	73.8	74.6	68.4	62.9	66.0	58.8	66.7
1931	52.0	61.8	60.1	67.0	67.2	66.3	72.7	73.9	72.6	70.4	71.5	73.5	66.6
1932	69.6	64.9	57.6	67.8	70.4	69.0	78.5	73.2	69.8	65.8	64.6	62.0	67.8
1933	70.5	62.9	66.0	71.4	72.5	74.6	77.6	71.0	71.8	64.0	64.5	58.5	68.8
1934	56.1	43.1	58.7	70.6	68.9	72.7	79.5	73.8	67.9	67.7	65.2	63.1	66.0
1935	54.9	63.2	69.0	68.7	66.6	67.0	76.3	76.4	64.9	66.7	67.8	51.0	66.0
1936	52.8	54.6	69.8	69.2	70.2	68.7	76.8	74.3	70.8	59.6	62.3	73.2	66.9
1937	77.4	69.6	68.5	71.0	68.1	65.8	75.3	78.9	69.2	69.6	64.8	56.4	68.7
1938	61.5	59.1	67.7	66.2	70.6	69.9	75.7	79.1	66.7	63.3	68.4	62.5	67.6
1939	62.2	67.5	69.4	72.9	66.9	70.8	74.6	72.0	68.3	64.3	64.7	51.5	67.1
Mean	61.5	61.1	66.2	69.4	69.2	69.4	76.2	74.7	67.9	64.2	66.1	61.2	67.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 150° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.7	72.2	73.5	70.3	71.3	67.8	77.1	72.9	69.9	63.7	68.4	62.2	69.7
1930	64.2	58.9	73.0	66.2	73.3	73.8	74.6	75.1	73.1	65.1	66.2	61.6	68.8
1931	55.1	64.7	63.3	63.7	68.1	67.7	74.8	73.9	74.6	71.5	74.0	68.2	68.3
1932	77.2	70.0	59.4	66.5	71.3	70.8	77.5	75.6	69.9	69.3	66.4	66.4	70.0
1933	74.6	67.5	64.1	74.9	74.1	75.0	77.5	72.3	71.8	64.7	64.3	59.3	70.0
1934	61.4	51.5	60.8	66.4	69.3	74.6	79.3	75.1	72.4	65.2	63.4	66.0	67.1
1935	58.8	65.7	71.3	69.5	70.9	66.6	76.8	80.2	66.3	66.5	69.4	52.5	67.9
1936	58.0	59.2	73.1	67.2	71.2	67.0	75.7	75.0	74.3	64.5	64.1	76.7	68.8
1937	84.8	66.3	64.5	71.4	69.6	66.5	77.2	78.9	72.0	59.5	65.5	60.0	69.7
1938	63.9	61.2	66.4	66.7	71.4	71.4	75.7	79.2	68.2	64.3	68.7	65.3	68.5
1939	67.5	74.5	72.2	70.5	68.8	75.7	74.4	73.6	71.4	68.8	64.3	51.1	69.4
Mean	66.6	64.7	67.4	68.5	70.8	70.6	76.4	75.6	71.2	65.7	66.8	62.7	68.9

Lat. 40° N. Long. 140° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.9	76.5	73.8	70.1	73.1	68.0	74.5	71.0	73.6	67.1	73.7	65.0	71.4
1930	68.1	63.1	73.5	62.8	73.8	74.1	75.1	72.9	74.8	63.9	68.3	66.9	70.2
1931	59.2	67.8	67.3	64.8	70.2	68.4	74.1	73.7	73.7	71.2	74.0	65.1	69.1
1932	79.4	72.1	64.6	65.7	73.9	72.5	75.0	75.5	72.7	72.8	67.4	71.6	71.9
1933	74.5	73.4	63.5	76.7	73.2	73.5	75.4	72.8	70.7	68.8	70.4	69.7	71.1
1934	69.1	57.9	64.9	65.6	68.7	75.8	76.5	75.5	73.6	64.8	63.7	71.0	68.9
1935	60.4	66.4	71.9	68.3	73.7	68.6	76.7	77.1	68.4	71.2	71.7	57.4	69.3
1936	63.0	62.7	75.3	65.0	69.7	64.4	73.5	74.6	74.4	72.0	71.0	75.2	70.1
1937	82.5	64.0	61.7	70.8	71.1	66.4	77.7	76.6	72.9	63.5	65.1	64.4	69.7
1938	66.6	61.0	66.5	68.3	73.3	73.9	75.9	75.7	69.4	64.9	72.8	70.9	69.9
1939	71.0	79.7	72.6	70.9	70.2	77.2	72.7	73.0	72.3	73.0	66.1	55.4	71.2
Mean	69.7	67.7	68.7	68.1	71.9	71.2	75.2	74.4	72.4	68.9	69.5	65.7	70.3

Lat. 40° N. Long. 130° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.8	74.6	72.2	69.0	72.6	67.9	71.0	69.6	69.4	69.0	75.2	68.8	71.0
1930	68.5	67.3	69.1	64.2	71.1	70.8	71.9	69.9	69.5	69.3	69.8	71.5	69.4
1931	65.2	67.3	71.1	66.6	69.3	68.1	68.4	70.6	68.9	69.8	72.1	62.6	68.3
1932	75.6	70.1	69.1	67.6	71.7	69.7	71.0	69.7	67.5	72.3	68.6	72.5	70.5
1933	70.1	75.8	65.8	73.1	71.2	71.4	70.7	68.7	67.5	68.8	74.9	64.2	70.2
1934	74.5	62.9	68.6	68.5	68.1	71.4	72.1	71.4	69.5	66.6	65.5	72.5	69.3
1935	63.4	68.5	70.0	66.0	72.1	68.8	72.0	70.0	67.7	71.7	70.9	63.6	68.7
1936	67.2	63.8	73.2	68.2	67.0	65.0	70.0	70.5	69.3	71.1	74.2	71.2	69.2
1937	71.8	65.8	63.2	69.9	70.0	65.8	72.5	71.8	39.7	66.9	66.1	67.8	65.9
1938	69.7	61.0	65.2	69.5	72.2	71.8	71.3	71.4	67.5	66.5	73.0	72.5	69.3
1939	70.8	77.2	71.5	71.7	69.6	72.3	70.7	69.8	68.3	72.1	68.8	62.0	70.4
Mean	70.0	68.5	69.0	68.6	70.4	69.4	71.1	70.3	65.9	69.5	70.3	68.1	69.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 120° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.1	70.5	67.6	65.6	65.5	63.5	63.3	64.1	61.7	67.3	72.9	70.5	66.8
1930	67.5	69.2	66.0	65.1	63.9	62.8	63.8	64.0	62.9	66.3	70.5	74.6	66.4
1931	71.5	67.2	70.2	65.0	64.0	62.6	59.9	63.7	62.9	66.1	68.5	68.2	65.3
1932	72.1	68.6	69.8	65.6	63.9	61.5	62.2	60.9	63.3	67.6	70.5	71.7	66.5
1933	67.6	74.9	68.2	64.9	64.8	63.8	62.7	62.2	61.7	65.5	73.2	69.6	66.6
1934	75.0	69.3	69.2	65.4	63.2	61.4	63.1	63.8	62.8	66.7	68.7	72.2	66.7
1935	68.7	71.2	66.3	63.6	63.9	62.7	62.9	61.6	63.1	67.9	70.8	69.8	66.0
1936	68.5	64.0	66.0	66.6	64.1	62.4	62.1	63.0	62.5	66.5	73.5	69.1	65.7
1937	69.8	68.0	64.3	66.5	63.2	63.0	63.6	64.1	64.0	66.8	67.2	69.8	65.9
1938	71.2	65.4	64.5	65.9	65.1	62.4	65.0	64.1	64.6	66.1	71.9	71.6	66.5
1939	70.2	70.7	68.1	67.6	64.2	63.3	...	...	...	...	...	...	...
Mean	70.1	69.0	67.3	65.6	64.2	62.7	62.9	63.2	63.0	66.9	70.8	70.7	66.4

Lat. 40° N. Long. 110° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.8	67.3	62.7	60.6	63.0	61.3	63.8	65.6	63.2	68.0	74.4	71.8	65.8
1930	69.7	67.8	64.2	63.3	60.3	61.0	64.0	64.8	63.8	66.1	71.8	77.5	66.2
1931	74.5	66.9	68.5	64.2	64.2	60.9	61.5	65.1	62.3	66.1	67.2	71.4	66.1
1932	69.4	67.2	64.7	61.8	62.1	61.1	62.4	61.6	66.0	67.0	72.2	69.8	65.4
1933	67.8	71.5	65.9	62.3	60.2	60.8	62.6	63.2	60.7	67.2	73.3	70.5	65.5
1934	73.5	68.9	68.1	62.9	62.2	60.1	62.0	64.2	63.6	67.9	67.5	72.4	66.1
1935	70.0	70.7	62.6	61.0	61.1	60.6	62.4	62.4	64.2	66.6	70.2	72.4	65.4
1936	68.5	61.4	62.9	64.3	62.9	61.1	62.5	63.5	64.5	67.9	76.5	68.7	65.4
1937	66.5	67.1	64.7	62.2	61.8	62.3	64.1	63.0	64.7	66.9	68.3	70.5	65.1
1938	71.5	67.1	61.2	62.5	61.5	61.2	64.5	63.3	66.0	66.8	71.3	71.3	65.7
1939	69.0	67.5	65.9	63.3	60.9	60.2	...	...	...	...	...	...	...
Mean	69.8	67.7	64.7	62.6	61.8	61.0	63.0	63.7	63.9	67.1	71.3	71.6	65.7

Lat. 40° N. Long. 100° W. .

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.4	70.0	62.0	61.5	65.8	63.2	65.4	66.4	66.4	68.4	73.0	70.7	66.9
1930	74.8	65.8	67.0	65.2	63.5	62.5	64.6	66.0	64.8	67.9	67.8	72.3	66.9
1931	70.1	68.2	69.3	68.4	65.4	61.9	62.6	66.6	63.0	67.6	67.9	67.9	66.6
1932	68.6	66.7	67.7	62.9	65.1	61.5	62.9	63.2	68.0	66.6	71.4	70.7	66.3
1933	63.6	69.4	65.1	61.8	60.5	62.8	63.8	64.9	61.7	68.5	70.2	68.0	65.0
1934	70.0	73.3	70.2	66.5	64.3	60.9	62.1	64.5	65.0	67.5	66.9	71.0	66.9
1935	70.8	71.4	63.0	63.4	65.3	62.6	68.9	63.9	66.3	69.1	70.6	71.2	66.8
1936	68.9	70.0	62.8	67.6	65.3	62.5	63.1	63.0	64.7	68.5	74.2	68.7	66.7
1937	69.7	67.7	69.0	61.7	64.1	63.8	63.8	63.4	66.7	67.5	70.0	71.5	66.6
1938	63.8	71.1	60.9	64.5	61.7	64.2	63.9	63.3	67.1	67.4	67.3	69.2	65.8
1939	64.8	67.0	67.1	64.1	62.0	61.3	...	...	...	...	...	...	...
Mean	69.0	69.1	65.8	64.3	63.9	62.5	63.6	64.6	65.4	67.9	69.9	70.1	66.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 90° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.3	71.4	64.1	62.8	68.4	65.0	67.4	67.9	68.5	68.2	70.7	69.2	67.8
1930	74.0	67.5	63.4	67.1	66.2	64.8	66.3	67.3	65.8	70.0	70.0	70.0	67.7
1931	69.4	69.5	65.9	69.2	63.9	65.4	64.2	67.7	66.7	68.6	69.6	69.6	67.5
1932	69.5	67.7	66.1	66.0	67.3	63.1	64.3	65.8	69.5	65.8	72.2	70.9	67.4
1933	66.4	69.7	67.0	62.8	62.2	65.7	66.2	66.5	63.8	69.8	68.7	70.0	66.6
1934	70.5	73.9	71.3	65.9	67.1	62.8	64.7	66.4	66.2	68.9	67.6	70.7	68.0
1935	72.5	69.7	65.7	65.2	66.7	63.7	66.3	66.0	67.7	71.6	70.4	72.0	68.1
1936	69.3	70.2	62.7	68.1	68.3	63.5	64.2	65.5	66.4	68.5	71.8	71.5	67.5
1937	71.1	67.0	70.1	62.5	65.5	64.4	65.5	67.2	68.3	67.6	70.8	71.7	67.6
1938	67.0	72.2	63.8	66.4	63.0	66.2	64.7	66.7	67.0	69.7	68.4	68.8	67.0
1939	66.1	68.4	68.6	65.4	65.1	63.9	...	...	...	...	...	...	...
Mean	69.6	69.7	68.2	65.6	65.3	64.4	65.4	66.7	67.0	68.8	70.0	70.4	67.5

Lat. 40° N. Long. 80° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.1	70.9	65.3	63.8	68.9	65.9	68.1	67.5	70.1	68.5	69.4	68.5	68.0
1930	73.5	69.5	61.3	68.1	67.8	65.5	65.5	67.4	67.2	70.8	72.3	69.5	68.2
1931	68.1	69.0	64.5	67.5	64.7	66.6	64.5	67.7	68.2	70.0	73.0	71.0	67.9
1932	70.6	67.8	62.6	66.0	68.5	64.2	63.4	66.6	69.6	67.6	73.4	72.6	67.7
1933	68.5	68.5	66.2	64.5	64.7	66.0	67.5	66.6	65.1	71.0	67.9	71.1	67.3
1934	70.9	73.5	70.5	65.3	67.4	63.6	65.5	67.7	68.7	69.7	70.3	69.9	68.6
1935	72.1	68.6	68.3	64.2	67.3	64.7	66.4	67.0	68.6	73.2	70.5	69.2	68.3
1936	67.0	69.3	62.1	67.8	69.3	63.7	64.0	67.1	68.8	69.3	69.9	74.3	67.7
1937	73.0	66.9	66.6	65.4	67.0	64.5	66.1	68.8	69.2	67.8	69.7	71.6	68.1
1938	67.9	73.3	66.5	68.1	65.1	66.9	65.8	67.7	67.7	71.2	71.6	69.6	68.5
1939	67.3	68.8	68.8	62.0	66.3	65.8	...	...	...	...	...	...	...
Mean	69.3	69.6	65.7	65.7	67.0	65.2	65.7	67.4	68.3	69.9	70.8	70.7	68.0

Lat. 40° N. Long. 70° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.5	68.6	63.5	62.4	69.9	64.6	68.0	65.9	69.5	67.9	67.9	67.8	68.9
1930	73.7	68.4	59.2	66.7	65.5	67.1	63.5	66.3	66.4	66.3	71.5	65.0	68.6
1931	63.9	64.9	60.0	66.8	65.5	64.6	64.2	66.7	66.4	67.7	73.3	68.7	66.1
1932	70.4	65.4	57.9	62.9	67.8	63.9	61.5	66.1	67.4	68.1	70.8	70.7	66.1
1933	65.1	64.7	61.8	65.3	65.6	64.1	66.2	66.1	63.1	69.5	65.3	68.4	65.4
1934	69.1	67.7	71.3	66.7	66.9	64.0	65.7	67.6	69.9	65.4	70.3	66.8	67.6
1935	69.5	67.0	68.3	60.6	65.5	65.8	67.4	66.7	67.9	72.3	67.7	62.9	66.8
1936	64.7	67.5	64.1	67.3	68.0	68.8	62.6	67.2	68.8	69.2	67.7	73.7	67.1
1937	74.6	63.6	62.0	65.7	65.5	63.5	65.8	69.4	67.1	68.0	68.4	68.5	66.8
1938	67.7	71.4	66.6	68.0	64.0	67.1	67.4	65.9	67.7	67.7	71.0	67.5	67.7
1939	65.5	69.8	67.6	64.8	65.0	66.1	...	...	...	...	...	...	...
Mean	68.2	67.2	63.8	65.2	66.3	64.9	65.2	66.8	67.4	68.2	69.4	68.0	66.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 60° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.9	66.9	61.9	64.2	71.5	65.9	69.5	67.5	70.8	67.9	65.9	67.5	66.8
1930	72.8	66.4	60.4	65.9	64.6	69.7	66.5	67.6	66.3	62.7	71.0	61.9	66.3
1931	61.5	59.9	56.2	67.2	67.8	63.4	63.2	67.5	65.3	65.0	72.1	63.0	64.8
1932	69.7	61.6	52.5	62.6	68.0	64.8	64.8	67.3	65.5	69.1	71.0	68.6	65.5
1933	61.3	61.6	58.6	67.0	65.8	64.2	67.8	68.3	65.3	69.1	63.7	65.3	64.8
1934	66.0	64.5	71.2	66.6	69.1	65.2	66.8	68.9	71.1	62.3	70.8	62.2	67.1
1935	67.4	66.3	65.3	60.5	64.3	66.5	69.8	65.7	67.6	70.1	67.2	58.2	65.7
1936	62.3	63.6	68.0	67.7	68.3	66.6	64.2	68.4	69.7	70.5	67.0	73.8	67.5
1937	74.3	59.8	58.9	64.9	65.3	66.0	67.1	71.6	67.5	69.4	67.8	65.2	66.5
1938	67.4	67.2	64.0	69.2	64.3	69.9	70.6	67.1	69.1	66.5	70.7	65.0	67.6
1939	62.1	70.2	66.8	65.0	65.5	65.5	...	...	...	...	...	...	...
Mean	66.1	64.4	62.2	65.5	66.8	66.2	67.5	68.0	67.8	67.3	68.7	65.1	66.3

Lat. 40° N. Long. 50° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.0	65.5	61.6	67.0	73.4	67.1	71.4	71.6	72.4	69.3	66.9	67.6	67.7
1930	74.1	66.5	61.2	66.7	65.0	71.8	71.0	70.2	65.7	64.7	68.6	65.6	67.6
1931	64.8	59.0	56.0	67.4	70.2	66.2	73.6	67.6	66.3	64.3	71.4	62.4	65.8
1932	67.1	58.2	54.3	64.8	68.6	65.7	70.4	68.7	68.0	70.0	73.4	66.5	66.3
1933	64.5	62.8	60.8	66.3	65.1	67.8	70.3	70.9	66.6	70.1	64.4	65.9	66.3
1934	68.0	69.2	73.2	67.1	71.4	65.6	70.3	71.9	71.0	64.6	70.8	59.5	68.6
1935	67.5	67.2	62.1	61.8	64.1	70.1	72.2	69.7	68.3	70.9	70.2	58.7	66.9
1936	61.9	62.5	68.3	69.4	70.5	72.1	68.2	71.0	67.8	72.7	70.8	73.8	69.1
1937	72.7	57.6	60.2	64.2	68.7	69.3	69.0	73.1	71.1	71.0	67.8	66.3	67.6
1938	66.3	64.2	62.7	69.9	65.5	71.3	75.3	69.8	72.1	69.7	70.5	67.1	68.7
1939	61.3	68.7	68.4	66.8	68.6	66.2	...	...	...	...	...	...	...
Mean	66.1	63.8	62.6	66.5	68.3	68.5	71.2	70.5	68.9	68.7	69.5	65.3	67.5

Lat. 40° N. Long. 40° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	55.9	65.6	60.6	67.5	74.8	68.7	73.4	74.1	71.9	72.5	68.4	68.9	68.5
1930	74.7	65.2	63.1	68.9	69.3	73.7	73.3	71.8	65.6	68.3	69.2	72.6	69.5
1931	68.5	68.9	52.1	70.9	71.4	69.0	77.9	67.8	69.3	64.0	70.2	63.8	67.8
1932	64.9	57.8	60.2	72.0	67.9	69.8	75.7	72.1	72.4	72.9	72.9	69.1	69.0
1933	67.0	60.9	63.2	63.7	64.8	72.9	74.0	72.6	68.5	68.5	68.8	68.4	67.8
1934	70.5	76.0	75.7	68.0	72.9	67.0	74.0	74.5	71.0	68.5	68.6	58.4	70.5
1935	69.4	69.2	62.5	61.9	65.9	73.2	74.8	73.2	69.1	75.4	73.0	63.0	69.2
1936	59.8	59.8	67.8	70.5	74.3	73.6	73.0	73.6	66.0	73.6	75.0	74.7	70.1
1937	68.0	58.6	62.6	64.1	71.5	69.9	71.0	72.8	73.5	73.2	64.1	68.7	68.2
1938	68.9	62.1	64.6	65.6	69.9	71.3	78.2	73.0	74.6	72.7	69.5	69.1	70.0
1939	60.1	66.4	70.0	67.6	69.6	69.7	...	...	...	...	...	...	...
Mean	66.2	64.6	63.9	67.3	70.2	70.8	74.5	72.6	70.3	71.0	70.0	67.7	69.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 30° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	57.0	66.0	61.8	66.0	75.7	70.1	74.6	74.0	72.3	75.0	70.4	69.5	69.4
1930	71.5	69.6	66.1	70.2	73.3	74.5	71.5	71.6	66.8	70.0	71.6	76.3	71.1
1931	72.2	77.8	51.2	72.7	70.2	70.0	77.5	69.9	71.4	64.5	68.7	70.0	69.7
1932	68.7	60.8	64.1	76.5	68.8	72.0	77.8	74.0	72.2	75.0	70.4	67.4	70.6
1933	69.9	64.0	65.9	64.3	68.8	76.6	76.1	73.1	70.6	67.1	72.5	72.7	70.1
1934	73.6	78.9	76.6	66.7	74.1	69.0	75.3	75.2	71.4	71.5	67.5	60.8	71.7
1935	75.6	73.0	66.9	64.7	69.3	72.9	76.7	74.9	70.0	77.8	72.0	67.4	71.8
1936	58.6	59.6	64.6	69.5	75.0	74.5	75.1	75.4	65.0	74.7	76.2	74.6	70.2
1937	65.9	63.8	63.5	67.2	72.2	71.3	71.7	73.1	73.6	71.1	61.9	71.0	68.9
1938	74.4	65.8	72.1	65.1	73.5	72.9	77.6	76.7	74.8	73.8	69.0	71.2	72.2
1939	61.7	71.5	72.0	66.9	71.3	73.2	...	...	...	...	...	...	...
Mean	68.1	68.3	65.9	68.2	72.0	72.4	75.4	73.8	70.8	72.1	70.0	70.1	70.6

Lat. 40° N. Long. 20° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.5	67.1	65.4	64.5	73.5	70.9	72.5	73.0	71.5	73.3	69.9	71.6	69.9
1930	67.4	72.3	66.5	68.1	73.6	72.6	71.8	70.7	69.3	70.2	72.0	75.2	70.8
1931	75.5	80.1	53.9	69.3	67.6	69.8	73.5	69.9	71.5	66.9	67.6	75.9	70.1
1932	74.6	67.0	64.6	74.2	69.5	71.7	74.5	72.0	69.0	73.7	69.1	65.7	70.5
1933	71.5	69.1	67.4	68.2	69.9	74.4	75.2	72.0	70.3	67.3	70.7	72.1	70.7
1934	75.1	77.4	72.4	63.2	71.5	70.2	72.7	73.0	70.7	70.9	69.2	63.1	70.8
1935	78.8	75.0	70.3	68.3	69.7	71.3	75.4	73.4	71.0	76.5	67.8	68.4	72.2
1936	60.2	59.9	59.9	66.2	71.2	71.7	67.2	74.2	68.8	74.7	74.2	74.3	68.5
1937	64.8	69.3	63.4	68.5	71.1	72.3	71.6	71.6	70.9	66.5	60.5	71.7	68.5
1938	77.1	72.6	74.9	67.2	72.7	74.0	74.7	74.6	72.0	72.9	69.6	69.8	72.7
1939	64.2	75.3	72.9	68.8	70.8	72.7	...	...	...	...	...	...	...
Mean	70.4	71.4	66.5	67.9	71.0	72.0	72.9	72.4	70.5	71.3	69.1	70.8	70.5

Lat. 40° N. Long. 10° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.3	68.0	69.3	64.3	69.7	69.2	70.1	69.4	69.3	70.1	69.4	72.6	69.5
1930	67.6	69.6	67.7	63.0	70.8	68.4	68.5	70.0	69.0	70.4	71.4	71.1	69.0
1931	72.9	74.8	59.4	65.9	67.0	68.5	68.5	67.7	68.0	67.2	67.6	75.4	68.6
1932	77.7	68.6	64.0	69.1	68.0	67.4	68.2	68.1	66.1	65.7	69.5	67.1	68.3
1933	70.0	68.8	67.7	68.9	67.0	68.3	70.3	67.9	66.7	65.2	64.3	68.6	67.8
1934	76.9	75.2	65.8	62.2	67.0	67.7	67.0	68.4	69.2	69.9	66.8	66.8	68.6
1935	75.3	72.5	73.4	68.6	66.0	69.2	69.7	67.5	69.3	70.3	66.7	67.0	69.6
1936	64.6	59.8	60.0	63.8	64.5	69.2	70.7	69.7	69.5	70.0	68.0	74.7	67.0
1937	66.3	70.5	63.1	68.0	68.6	69.8	67.7	66.5	67.2	63.1	62.6	69.1	66.9
1938	75.8	74.0	78.9	65.8	68.3	71.1	70.4	68.6	68.4	69.9	70.6	66.7	70.3
1939	66.4	73.5	70.4	66.9	67.1	67.8	...	...	...	...	...	...	...
Mean	71.4	70.5	66.8	66.0	67.6	68.8	69.1	68.4	68.3	68.2	67.7	69.9	68.6

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 0°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.3	66.0	70.4	63.0	65.5	66.9	66.9	66.5	66.9	66.6	66.5	71.6	67.4
1930	67.0	64.6	65.3	58.6	66.3	64.4	64.2	67.3	67.0	68.3	69.1	66.1	65.7
1931	68.2	67.1	61.2	63.6	64.5	67.1	65.4	64.8	66.7	67.4	66.9	73.1	66.3
1932	77.6	67.9	62.8	65.1	65.6	65.0	64.3	67.3	65.1	65.8	68.6	68.9	67.0
1933	68.8	66.5	68.5	67.3	65.4	63.5	68.0	66.7	64.5	64.8	61.5	63.4	65.7
1934	76.0	72.6	61.4	61.1	66.0	65.0	64.5	64.7	68.0	69.2	64.5	66.7	66.6
1935	70.2	70.7	68.6	66.5	63.0	66.8	66.7	64.8	67.1	66.1	65.0	62.4	66.5
1936	64.5	58.9	61.5	62.7	61.2	66.4	67.1	67.7	66.9	67.6	64.9	73.9	65.3
1937	68.2	67.6	60.7	64.7	66.2	66.3	65.5	64.2	64.7	62.7	65.3	64.8	65.1
1938	71.8	73.5	74.4	66.3	65.5	68.2	67.5	64.2	63.8	67.0	69.2	63.1	67.9
1939	65.1	71.1	66.8	64.8	63.8	65.3	...	...	...	...	...	...	...
Mean	70.0	67.9	65.6	64.0	64.8	65.9	66.0	65.8	66.1	66.6	66.2	67.4	66.4

Lat. 40° N. Long. 10° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.7	60.5	69.1	62.0	63.3	65.9	67.4	63.8	67.1	64.1	63.4	67.3	65.1
1930	66.5	62.9	63.6	57.8	65.1	63.9	62.6	66.8	64.9	65.9	68.1	62.2	64.2
1931	62.3	58.2	61.2	62.7	64.9	66.9	64.4	63.5	65.2	67.0	66.0	67.1	64.1
1932	76.2	66.3	62.2	63.7	65.6	65.2	63.5	67.0	65.6	68.3	66.9	70.6	66.3
1933	63.7	61.5	67.5	65.8	64.0	62.6	67.5	66.4	66.1	65.1	59.9	60.1	64.2
1934	70.5	69.1	57.8	61.9	64.7	64.5	64.1	63.7	67.7	67.3	65.1	63.6	65.0
1935	62.9	62.5	65.8	64.7	63.6	67.2	65.7	64.8	66.6	62.7	67.7	58.5	64.4
1936	63.4	56.7	61.3	60.8	60.4	65.5	65.4	66.7	66.3	64.5	64.4	71.5	63.9
1937	68.7	61.6	59.7	61.7	65.5	65.5	64.3	63.4	64.0	64.9	63.0	61.1	63.6
1938	66.7	69.2	73.4	64.1	63.6	67.4	65.8	62.3	65.6	66.0	68.7	59.8	66.1
1939	62.6	68.2	61.1	62.5	60.7	64.4	...	...	...	...	...	...	...
Mean	66.5	63.3	63.9	62.5	63.8	65.4	65.1	64.9	65.9	65.1	65.3	64.2	64.7

Lat. 40° N. Long. 20° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.5	61.8	70.4	62.2	62.1	64.8	65.5	62.3	67.4	65.1	66.2	66.9	65.2
1930	69.0	66.1	64.4	59.8	63.8	64.1	61.5	64.8	64.8	65.6	68.1	65.3	64.9
1931	63.2	58.7	62.7	62.6	64.6	65.4	62.2	62.6	64.7	68.6	69.7	70.2	64.6
1932	75.9	67.2	64.1	63.0	64.7	64.4	62.1	65.6	65.5	63.6	69.1	74.6	66.7
1933	67.1	68.0	67.5	64.9	62.4	61.2	64.7	63.2	67.1	67.1	64.0	62.7	64.6
1934	70.2	70.1	60.4	63.5	64.5	63.6	61.7	62.5	66.6	66.4	68.1	64.1	65.1
1935	63.3	61.5	65.9	63.5	64.7	65.6	64.1	63.5	65.3	64.7	63.9	60.5	63.9
1936	64.5	57.5	64.8	61.3	60.4	63.1	62.4	64.4	65.5	63.5	66.2	71.0	63.7
1937	68.9	60.7	62.5	60.9	65.7	65.3	61.2	61.6	64.4	66.2	62.9	62.4	63.6
1938	64.2	68.3	70.9	62.9	64.3	66.1	62.5	60.9	66.4	65.8	69.4	61.5	65.3
1939	63.3	68.3	58.6	63.6	61.2	62.3	...	...	...	...	...	...	...
Mean	67.0	63.9	64.7	62.6	63.5	64.2	62.3	63.1	65.8	65.7	66.8	65.9	64.7



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 30° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.0	65.9	71.1	63.7	62.3	63.0	62.0	59.5	66.0	66.4	68.8	68.6	65.7
1930	71.9	70.1	65.7	61.4	63.6	62.4	58.7	60.9	64.0	66.0	69.4	67.4	65.1
1931	64.1	64.2	62.8	63.8	63.6	62.2	58.5	58.9	61.9	69.0	71.4	71.4	64.3
1932	74.6	66.7	64.4	62.4	62.4	61.3	58.7	61.5	63.5	63.4	68.9	75.7	65.3
1933	70.0	63.8	67.4	62.0	61.1	59.2	59.5	59.1	63.5	66.5	66.9	66.0	63.8
1934	71.2	68.6	62.9	62.7	62.7	60.7	56.8	58.5	63.0	66.1	69.6	65.1	64.0
1935	66.1	60.6	65.4	62.7	64.4	62.8	60.1	55.1	62.4	64.7	67.9	63.9	63.0
1936	66.6	59.8	65.3	60.9	59.5	60.1	58.0	60.6	64.7	64.0	67.2	70.6	63.1
1937	69.5	62.8	64.5	62.7	63.3	62.8	56.2	56.5	62.1	65.2	64.4	66.0	63.0
1938	64.3	68.8	67.9	62.2	64.1	62.0	57.4	57.6	61.1	65.5	69.4	64.6	63.9
1939	65.4	68.4	58.8	64.2	61.5	59.7	...	63.3	...	...	...	...	...
Mean	68.6	65.4	65.1	62.6	62.6	61.5	58.6	59.2	63.4	65.7	68.4	67.9	64.1

Lat. 40° N. Long. 40° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.7	64.9	69.3	64.4	61.7	60.2	58.0	56.4	63.9	67.2	69.5	69.6	64.7
1930	72.3	70.9	67.2	62.7	63.5	60.1	56.2	57.7	63.3	67.1	69.6	70.4	65.1
1931	66.1	66.8	63.8	64.7	62.3	60.4	55.5	56.5	61.8	69.1	70.9	72.2	64.2
1932	73.5	66.2	65.5	62.8	62.3	58.8	55.3	55.9	60.6	63.7	67.2	74.4	63.9
1933	70.4	64.8	65.2	61.2	60.5	57.6	57.5	58.4	61.7	67.0	68.3	67.4	63.3
1934	73.4	68.0	64.5	63.1	61.1	59.3	55.4	56.9	61.1	66.8	71.0	68.4	64.1
1935	69.0	63.7	65.7	62.1	64.3	60.7	57.3	56.5	60.5	65.7	69.3	69.0	63.7
1936	70.2	62.9	66.1	61.1	58.6	58.2	56.2	58.7	63.4	65.5	68.2	71.5	63.4
1937	70.3	66.5	67.6	63.6	62.7	61.6	55.3	54.7	60.9	65.4	67.9	69.6	63.8
1938	65.7	67.5	66.8	61.3	63.3	58.2	55.1	55.4	59.9	64.9	69.6	66.4	62.8
1939	68.5	...	60.0	63.5	60.5	57.3	...	63.0	...	...	...	66.9	...
Mean	70.0	66.2	65.5	62.8	61.9	59.3	56.2	57.3	61.7	66.2	69.2	69.6	63.8

Lat. 40° N. Long. 50° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	75.1	68.4	69.1	64.1	62.8	60.0	57.4	59.2	62.7	70.0	73.5	73.0	66.3
1930	75.8	72.8	68.5	65.3	63.8	60.0	55.2	60.0	66.1	69.9	70.5	74.3	68.9
1931	70.5	75.9	66.2	...	63.5	60.3	54.7	57.8	63.3	71.2	75.3	72.1	66.2
1932	75.7	66.7	69.0	61.5	63.1	59.3	55.5	60.1	64.3	68.6	74.4	79.6	66.5
1933	75.0	68.2	68.4	62.4	60.8	56.2	56.7	58.4	63.3	70.2	71.0	70.0	65.1
1934	79.0	69.5	70.1	66.6	64.0	58.7	56.1	58.5	64.8	71.0	75.3	72.8	67.2
1935	73.9	66.2	69.2	62.6	65.8	61.6	58.0	57.9	62.7	68.3	75.4	73.5	66.3
1936	73.4	67.6	71.6	63.8	62.6	56.9	57.3	60.5	63.7	67.3	71.4	72.7	65.7
1937	71.8	68.9	71.5	66.2	64.5	61.7	55.6	55.5	63.6	68.9	71.3	72.1	66.0
1938	70.3	70.5	67.8	62.9	64.1	...	...	55.6	62.5	...	72.9	71.2	...
1939	...	...	...	...	...	...	...	63.3	...	...	...	...	...
Mean	74.1	69.5	69.1	63.9	63.5	59.4	56.3	58.8	63.7	69.5	73.1	73.1	66.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 60° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.2	70.9	68.1	62.5	62.9	57.3	54.9	58.5	61.7	72.5	75.8	76.3	66.6
1930	78.8	73.3	68.1	65.6	62.0	55.7	52.3	59.0	66.6	71.1	71.6	76.8	66.7
1931	73.3	81.0	67.5	...	62.3	58.0	52.9	55.2	62.4	72.6	76.0	72.6	66.7
1932	76.5	66.9	69.8	61.7	62.3	57.6	51.7	60.5	63.5	71.0	76.8	82.3	66.7
1933	78.3	70.2	69.5	61.8	60.2	54.8	53.4	56.5	68.5	71.6	72.5	70.4	65.2
1934	82.5	71.3	70.5	66.8	64.6	56.8	54.5	56.1	66.3	73.3	77.7	74.1	67.9
1935	77.0	68.0	69.8	63.1	64.9	59.2	55.9	56.7	63.9	69.1	77.8	76.5	66.8
1936	75.8	69.1	73.2	64.4	61.3	54.1	55.0	59.1	62.6	67.6	73.1	73.9	65.8
1937	73.2	69.2	72.8	67.4	62.5	57.9	53.1	54.8	64.0	71.3	76.1	76.2	66.7
1938	75.2	73.1	67.9	63.0	...	...	...	54.5	64.2	...	74.1	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	76.9	71.3	69.7	64.0	62.6	56.8	53.7	57.1	63.9	71.1	75.2	75.5	66.5

Lat. 40° N. Long. 70° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.7	72.2	69.2	64.2	62.2	53.4	52.8	55.3	61.3	72.9	75.6	78.0	66.3
1930	80.0	73.5	68.3	65.5	61.0	53.8	50.9	55.8	64.7	70.2	72.5	77.4	66.1
1931	73.0	80.2	68.4	...	60.5	55.5	50.9	52.4	60.3	69.9	74.4	73.8	65.3
1932	78.0	69.7	68.4	61.9	61.5	55.3	49.5	57.5	61.7	70.2	76.4	83.7	66.2
1933	78.8	69.5	69.4	63.1	59.3	52.9	51.4	54.7	62.4	70.2	73.2	71.7	64.7
1934	81.8	73.2	69.7	65.9	63.7	55.4	52.6	53.9	64.9	72.4	77.3	74.8	67.1
1935	78.0	69.8	69.4	63.0	62.1	57.0	52.3	53.6	62.4	68.6	75.9	77.0	65.8
1936	77.3	69.2	73.3	62.9	58.5	52.0	51.7	55.2	59.5	66.8	74.3	75.0	64.6
1937	75.1	70.4	71.1	66.2	61.0	54.6	50.3	51.9	61.5	70.9	77.0	76.8	65.6
1938	75.8	72.0	66.3	62.3	...	...	...	...	...	...	72.6	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	77.7	72.0	69.4	63.9	61.1	54.4	51.4	54.5	62.1	70.2	74.9	76.5	65.7

Lat. 40° N. Long. 80° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.4	72.9	71.8	66.8	62.8	56.2	55.3	58.0	62.2	72.2	75.5	79.0	67.6
1930	81.2	75.8	70.6	65.5	60.4	55.0	52.2	55.9	64.2	69.9	75.4	77.7	67.0
1931	76.4	80.5	68.8	...	61.2	55.2	51.6	51.8	59.8	67.8	73.5	74.8	65.4
1932	79.1	72.6	69.1	63.1	61.5	53.6	49.2	55.8	60.6	69.5	72.9	81.9	65.7
1933	79.3	71.2	69.6	63.3	60.4	52.7	51.9	54.7	62.3	68.2	73.5	72.0	64.9
1934	78.9	74.5	70.2	63.1	60.9	55.6	51.9	55.1	63.0	71.9	76.8	76.5	66.5
1935	77.7	72.8	69.5	64.1	60.9	54.3	51.5	54.4	61.0	68.8	74.9	79.8	65.8
1936	78.1	71.7	73.9	62.3	58.1	52.2	51.4	54.9	60.2	68.6	76.1	77.4	65.4
1937	75.9	72.9	70.0	64.8	60.7	54.4	50.9	53.1	60.9	70.4	77.4	79.0	65.9
1938	75.5	71.5	65.6	62.2	...	...	...	...	...	...	72.7	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	78.1	73.6	69.9	63.9	60.8	54.4	51.8	54.9	61.6	69.7	74.9	77.6	65.9

SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	78.8	75.5	74.7	69.4	63.5	56.3	57.1	60.0	63.7	72.3	76.3	79.2	68.9
1930	83.2	77.8	74.4	66.1	60.2	54.7	53.9	55.6	65.1	70.1	77.8	78.8	68.1
1931	78.9	82.8	70.9	...	62.7	55.1	52.1	53.2	61.5	69.0	75.0	77.3	67.0
1932	81.9	76.7	70.9	65.9	62.9	54.0	49.9	56.3	61.6	70.6	75.1	86.3	67.7
1933	82.2	74.7	70.9	65.6	62.2	54.2	53.1	55.3	63.7	68.9	75.0	73.0	66.6
1934	80.0	78.8	71.4	62.8	60.3	56.9	51.9	57.6	64.5	74.6	78.1	77.5	67.9
1935	79.5	75.3	69.6	64.3	60.5	54.0	52.2	56.0	61.9	68.7	76.1	83.3	66.8
1936	79.7	74.1	74.0	61.1	58.8	52.4	52.7	56.5	63.2	71.2	77.1	81.8	66.9
1937	77.2	74.9	70.6	65.5	62.1	55.3	52.3	54.2	61.8	71.0	77.6	79.8	66.9
1938	78.3	72.8	66.6	63.6	...	...	...	...	...	...	74.4	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	80.0	76.3	71.4	64.9	61.5	54.8	52.8	56.1	63.0	70.7	76.3	79.7	67.3

Lat. 40° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	80.3	77.9	76.4	71.0	62.8	54.3	57.1	58.8	65.3	72.6	76.6	80.1	69.4
1930	86.0	78.9	75.7	65.3	60.1	54.4	54.0	55.3	65.7	71.1	79.4	80.5	68.9
1931	80.5	84.2	72.6	...	63.0	54.7	52.2	53.6	63.5	70.9	77.0	79.1	68.2
1932	83.9	80.0	72.6	66.9	61.7	54.6	50.8	55.5	63.5	72.1	78.4	89.6	69.1
1933	85.2	77.7	73.3	66.5	62.9	55.5	54.3	55.7	64.2	70.9	76.6	75.5	68.2
1934	82.8	82.8	72.7	62.8	61.4	56.7	51.6	59.6	66.0	77.9	78.6	79.0	69.3
1935	82.7	78.2	69.9	64.1	60.6	55.1	53.0	56.5	63.1	68.3	78.0	86.3	68.0
1936	82.9	76.4	74.0	61.5	57.7	53.0	54.4	57.6	66.0	71.9	75.9	83.6	67.9
1937	78.9	75.9	70.5	66.3	62.5	55.5	52.8	54.5	62.6	70.8	77.4	78.5	67.2
1938	80.2	72.7	68.6	65.1	...	...	...	...	...	...	75.9	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	82.3	78.5	72.6	65.5	61.4	54.9	53.4	56.3	64.4	71.8	77.4	81.4	68.3

Lat. 40° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	81.1	79.1	75.9	68.9	60.6	52.6	54.9	56.4	64.8	71.8	75.8	80.3	68.5
1930	86.4	77.5	73.3	64.3	59.1	54.5	52.4	54.9	65.5	71.5	78.8	80.5	68.2
1931	80.0	83.8	71.5	...	60.9	53.5	53.0	54.3	62.7	72.5	76.5	80.6	67.8
1932	81.6	80.7	73.4	64.4	58.9	54.5	51.2	55.0	64.9	71.2	76.3	86.7	68.2
1933	85.6	78.3	74.9	64.6	61.9	55.6	55.2	55.6	64.0	73.0	76.4	77.1	68.5
1934	84.9	81.9	71.8	64.2	60.2	54.5	52.7	59.5	65.2	76.9	77.3	80.3	69.1
1935	82.4	77.8	69.8	64.2	59.6	54.8	53.7	57.0	63.6	67.5	79.8	86.8	68.1
1936	84.1	77.1	77.3	61.3	56.9	53.5	53.5	57.3	64.3	69.7	73.3	81.7	67.5
1937	79.6	76.2	69.1	66.2	60.9	55.9	51.5	56.0	63.5	69.6	75.1	76.5	66.7
1938	82.2	73.7	71.4	62.3	...	...	...	51.7	60.8	...	75.0	76.5	...
1939	76.6	71.6	64.9	64.3	57.4	...	...	...	...	...	...	...	...
Mean	82.2	78.0	72.1	64.5	59.6	54.4	53.1	55.8	63.9	71.5	76.4	80.7	67.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 120° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	79.7	76.2	73.0	65.2	60.4	54.2	55.0	56.0	63.6	70.9	74.8	78.8	67.3
1930	82.2	75.5	71.5	65.0	60.0	55.8	52.6	55.9	65.3	69.9	74.6	77.7	67.2
1931	76.4	80.0	69.8	65.6	60.3	53.5	55.2	56.8	62.8	72.1	74.9	79.7	67.3
1932	77.2	80.6	70.9	62.4	58.3	56.1	52.2	56.5	64.8	68.8	72.4	79.5	66.6
1933	82.3	76.1	73.6	64.5	60.5	55.8	55.8	55.6	63.5	71.5	73.8	74.8	67.3
1934	82.6	75.8	69.2	66.8	60.9	54.1	55.4	59.5	64.1	74.5	74.3	79.0	68.0
1935	77.4	74.6	69.5	65.1	59.3	54.8	55.3	57.4	63.4	66.5	77.8	81.0	66.8
1936	80.5	76.7	77.2	63.1	59.5	55.8	53.1	55.6	61.6	67.3	71.6	76.7	66.6
1937	78.3	75.0	68.1	65.5	59.2	57.4	52.7	59.1	63.9	69.0	73.1	74.5	66.3
1938	81.6	75.2	72.1	62.6	...	...	53.8	54.3	62.7	69.2	74.1	77.1	66.4
1939	78.9	75.8	68.3	65.0	58.7	51.5	...	...	...	...	...	...	...
Mean	79.7	76.5	71.2	64.6	59.7	54.9	54.1	56.7	63.6	70.0	74.1	77.9	66.9

Lat. 40° N. Long. 130° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.9	70.6	68.6	63.5	62.8	57.8	58.2	56.8	64.4	69.1	73.3	75.8	66.2
1930	76.2	74.1	71.6	66.2	62.3	58.6	56.8	58.1	65.7	68.4	69.9	74.2	66.8
1931	72.1	74.1	68.2	63.5	61.4	57.8	58.5	59.6	63.6	70.5	72.7	74.2	66.4
1932	74.4	74.1	66.6	62.2	59.5	60.0	56.8	58.5	65.2	66.4	69.5	74.1	65.6
1933	77.0	72.1	70.4	66.0	62.3	58.2	59.5	57.2	63.4	69.4	71.5	69.7	66.4
1934	73.9	69.2	64.3	66.1	62.0	57.2	58.5	59.9	62.0	71.8	68.6	75.0	65.7
1935	72.0	70.9	66.8	64.9	59.5	56.4	57.9	58.6	62.9	65.4	74.8	74.1	65.4
1936	71.6	69.9	72.1	63.4	62.2	58.6	56.2	56.4	61.7	65.5	70.1	71.7	65.0
1937	74.1	71.9	65.4	65.3	58.7	60.3	55.6	61.0	63.8	67.8	70.4	68.9	65.8
1938	75.6	70.0	69.4	60.7	59.7	58.9	58.1	59.6	62.7	68.5	70.5	73.1	65.6
1939	74.5	74.7	67.3	65.6	61.2	54.9	...	...	...	...	...	...	...
Mean	74.1	72.0	68.2	64.3	61.1	58.1	57.6	58.6	63.5	68.3	71.1	73.1	65.8

Lat. 40° N. Long. 140° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.0	63.8	64.1	63.1	63.9	60.1	60.4	58.7	63.5	67.3	71.2	71.7	64.4
1930	69.5	68.6	69.7	66.0	63.0	59.5	58.9	60.4	65.2	67.0	66.7	69.2	65.3
1931	66.5	68.6	64.8	62.1	62.3	60.3	59.8	61.8	64.5	68.5	70.2	68.3	64.8
1932	70.9	67.1	63.8	62.1	62.3	62.8	58.9	60.5	64.2	65.5	66.6	68.5	64.4
1933	69.6	65.5	65.9	66.4	63.0	60.4	61.5	60.3	62.0	66.4	68.7	62.0	64.3
1934	63.5	61.8	61.2	65.8	62.9	59.4	59.9	60.7	62.5	70.5	65.1	71.8	63.8
1935	64.2	66.5	63.6	65.1	61.2	59.0	60.1	59.3	63.2	64.6	71.0	67.2	63.8
1936	61.2	63.3	67.6	63.3	64.3	60.3	58.1	58.5	62.7	63.7	63.4	68.1	63.3
1937	68.1	67.4	62.7	66.5	58.7	61.9	58.8	62.2	63.6	67.1	66.8	61.7	63.8
1938	67.1	62.1	67.1	60.0	61.6	59.6	60.9	64.2	61.6	66.3	66.1	65.7	63.5
1939	66.9	67.1	63.5	65.8	61.1	58.5	58.7	58.0	61.2	64.7	66.2	70.2	63.5
Mean	66.6	65.6	64.9	64.2	62.2	60.2	59.6	60.4	63.1	66.5	67.9	67.7	64.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 40° N. Long. 150° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	55.8	55.3	61.0	62.9	63.6	61.4	62.5	60.8	63.5	67.0	67.8	66.5	62.3
1930	61.1	61.3	67.3	63.3	62.7	60.2	60.1	61.9	62.9	64.9	65.7	62.5	62.8
1931	59.8	63.4	61.0	61.7	62.5	62.7	59.1	62.8	66.0	67.2	67.6	64.8	63.2
1932	66.4	60.7	59.7	61.2	64.2	63.5	60.4	63.9	65.3	65.3	64.4	63.1	63.2
1933	64.3	61.4	61.8	66.1	64.8	60.9	64.6	63.9	61.4	65.2	66.6	54.6	63.0
1934	55.7	53.4	58.0	64.7	65.0	61.7	60.5	62.1	64.1	69.7	62.5	66.1	62.0
1935	57.4	61.8	58.6	65.6	61.6	61.6	62.8	60.5	65.1	65.1	65.6	61.6	62.3
1936	53.2	56.2	64.0	62.0	64.8	61.8	60.5	61.7	64.5	63.6	67.1	64.7	62.0
1937	61.5	64.1	58.9	67.1	60.5	62.4	61.4	63.7	65.0	66.6	64.2	56.4	62.7
1938	60.7	56.0	65.9	59.7	63.5	61.2	62.4	68.2	62.2	65.1	62.2	60.1	62.3
1939	59.6	61.3	60.0	65.9	60.9	62.3	61.1	63.5	64.4	66.3	63.8	64.5	62.8
Mean	59.6	59.5	61.5	63.7	63.1	61.8	61.4	63.0	64.0	66.0	65.2	62.3	62.6

Lat. 40° N. Long. 160° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	50.0	48.5	61.9	64.4	65.1	62.2	65.1	62.0	62.6	67.5	67.8	64.1	61.8
1930	55.7	54.4	69.0	62.1	64.4	62.5	62.8	63.4	65.2	65.4	66.9	58.6	62.5
1931	54.0	59.7	58.4	63.3	62.8	63.8	59.7	64.3	66.9	68.5	65.9	64.1	62.6
1932	62.8	57.6	57.9	62.8	65.1	63.6	62.5	67.1	67.1	66.5	64.6	57.9	63.0
1933	59.7	59.0	59.5	65.5	66.2	60.9	66.9	67.2	62.0	64.7	66.7	51.7	62.5
1934	50.3	48.3	55.9	67.2	66.3	64.3	62.3	64.6	63.8	70.0	62.0	61.3	61.4
1935	54.4	57.3	60.0	66.8	63.0	63.3	66.1	63.1	66.6	65.4	63.6	57.9	62.3
1936	50.9	48.5	62.2	62.4	65.4	63.2	62.2	65.2	63.9	64.4	66.7	61.9	61.4
1937	59.2	64.5	55.8	68.6	61.5	63.1	68.5	64.8	68.1	66.5	64.4	55.0	63.3
1938	58.1	52.2	65.5	61.0	66.3	62.3	64.9	69.2	65.2	64.5	60.8	57.5	62.3
1939	55.2	56.5	56.8	66.8	64.2	64.3	64.7	67.1	66.2	66.1	67.9	60.6	63.0
Mean	55.5	55.1	60.3	64.6	64.6	63.0	64.2	65.3	65.2	66.3	65.2	59.1	62.4

Lat. 40° N. Long. 170° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	47.4	48.4	67.0	66.0	65.3	62.8	68.0	64.9	64.1	66.2	67.5	64.2	62.7
1930	52.7	51.5	69.3	64.2	65.0	64.7	67.7	65.4	66.5	64.7	68.1	56.3	63.0
1931	50.9	57.5	58.7	67.5	65.0	63.9	62.2	66.8	66.1	70.3	65.8	66.9	63.5
1932	60.6	59.0	55.2	65.6	66.1	63.9	66.5	69.8	69.0	67.1	65.1	55.7	63.6
1933	61.2	58.6	61.3	65.7	66.5	62.2	70.0	68.9	63.7	64.6	67.7	53.0	63.6
1934	48.5	46.3	56.2	70.2	65.5	67.6	65.7	67.5	63.2	70.6	64.4	60.3	62.2
1935	56.1	58.2	62.1	65.6	64.2	65.0	70.0	66.3	65.2	64.1	60.9	55.4	62.8
1936	51.7	47.7	64.8	65.1	66.6	64.6	64.9	68.3	64.4	62.8	65.8	62.9	62.5
1937	59.7	67.2	58.6	69.8	64.3	61.1	71.3	66.2	69.3	66.6	64.0	55.7	64.7
1938	56.6	52.3	66.2	62.7	68.0	64.3	68.8	69.7	68.4	64.6	63.3	55.4	63.4
1939	52.6	53.6	58.0	69.4	67.3	63.0	68.9	69.9	66.4	66.1	66.4	57.3	63.2
Mean	54.4	54.6	61.6	66.5	65.8	64.2	67.6	67.6	66.0	66.2	65.4	58.5	63.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 180°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.0	62.6	72.8	71.9	70.5	70.2	71.5	69.9	67.4	69.0	72.0	70.9	69.1
1930	61.7	62.0	69.3	72.7	72.6	71.0	70.3	67.1	65.3	68.1	71.0	69.6	68.4
1931	64.8	68.0	65.7	73.0	69.9	67.6	67.8	69.9	67.4	72.1	69.3	73.8	69.1
1932	65.4	63.3	65.5	72.5	72.5	68.9	71.5	70.8	69.4	68.3	67.7	67.0	68.6
1933	66.6	64.6	69.7	71.4	68.8	69.6	73.8	70.8	69.6	68.2	68.5	59.7	68.4
1934	61.9	59.8	67.5	75.4	67.5	70.4	71.3	69.5	66.2	71.3	68.4	66.8	68.0
1935	64.5	68.8	68.9	70.2	68.9	68.3	71.6	67.4	65.6	68.2	68.2	64.3	67.9
1936	62.5	59.8	73.0	72.5	73.2	68.0	69.1	67.2	67.6	67.3	71.6	71.2	68.6
1937	65.0	73.1	71.0	69.7	71.2	70.6	72.2	71.2	68.8	69.2	67.3	64.6	69.5
1938	66.6	58.5	73.2	73.6	72.8	71.3	71.3	70.3	70.6	69.9	70.5	70.3	69.9
1939	66.8	66.0	66.8	73.1	67.7	66.5	72.6	69.2	67.0	67.3	71.4	65.5	68.3
Mean	64.3	64.2	69.4	72.4	70.5	69.3	71.2	69.4	67.7	69.0	69.6	67.6	68.7

Lat. 30° N. Long. 170° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.7	66.9	71.3	71.4	71.7	71.5	73.0	71.8	67.1	68.6	69.6	69.2	69.7
1930	61.2	64.4	69.2	75.2	73.5	72.5	71.3	68.5	66.7	67.2	69.6	70.3	69.1
1931	65.4	70.9	66.0	72.5	69.7	69.0	70.7	71.0	70.2	71.4	71.0	75.9	70.3
1932	65.8	63.0	66.2	73.7	72.7	69.9	73.7	70.6	69.7	67.4	68.1	68.1	69.1
1933	68.5	64.4	71.3	72.0	70.7	72.8	74.9	71.8	72.4	68.0	68.4	60.2	69.6
1934	64.5	62.1	67.7	75.1	69.8	72.3	72.7	69.2	66.5	71.7	69.7	66.8	69.0
1935	62.3	70.1	68.4	72.5	70.0	69.1	71.7	69.7	66.7	67.6	68.6	63.2	68.3
1936	63.2	60.3	71.9	71.6	74.0	70.2	72.5	70.1	68.6	65.8	70.1	73.3	69.3
1937	65.2	71.6	72.5	70.6	72.5	71.3	72.8	72.8	69.4	68.3	68.9	64.4	70.0
1938	67.7	58.8	73.2	74.5	73.0	72.6	72.7	71.5	69.4	70.2	70.3	70.8	70.4
1939	69.5	67.6	68.2	74.0	69.7	68.6	72.9	70.1	67.9	66.4	71.9	64.5	69.3
Mean	65.2	65.5	69.6	73.0	71.6	70.9	72.6	70.6	68.6	68.4	69.7	67.9	69.5

Lat. 30° N. Long. 160° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.1	70.0	71.7	71.8	71.8	71.6	73.5	72.0	68.6	68.6	65.0	65.8	69.6
1930	61.4	66.0	70.3	74.4	74.6	73.2	72.1	70.6	69.3	67.2	68.1	70.5	69.8
1931	66.7	72.9	67.7	70.0	69.2	70.7	73.3	72.2	72.5	70.9	71.2	72.6	70.8
1932	70.2	64.3	66.6	74.3	73.6	71.4	74.9	71.5	69.4	68.7	69.2	70.2	70.4
1933	73.0	66.0	71.0	72.6	73.3	71.6	75.3	72.5	73.4	68.6	65.7	63.2	70.8
1934	67.0	63.9	67.2	72.7	71.4	73.8	73.5	70.9	68.8	70.4	69.9	67.6	69.8
1935	60.6	64.2	68.6	73.2	71.6	70.0	72.0	72.9	67.1	65.8	68.5	63.9	68.2
1936	64.9	58.7	71.2	70.4	74.2	70.6	74.1	72.0	70.2	65.5	68.6	75.3	69.6
1937	69.8	68.9	71.1	72.3	73.0	71.7	73.5	73.5	71.2	67.6	70.2	64.7	70.6
1938	69.4	62.4	72.1	73.7	72.2	72.7	73.3	72.5	68.9	69.8	70.2	71.1	70.7
1939	71.6	70.8	70.4	72.6	71.2	72.8	73.2	71.2	68.5	67.4	70.9	63.8	70.4
Mean	67.2	66.2	69.8	72.5	72.4	72.1	73.5	72.0	69.8	68.2	68.9	68.1	70.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 150° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.1	72.5	73.7	72.6	71.6	71.9	73.5	71.3	70.4	69.5	65.3	63.9	70.3
1930	61.8	68.1	71.6	71.8	75.4	73.5	72.5	72.2	71.7	69.5	68.3	71.5	70.7
1931	68.5	74.4	69.9	68.5	69.7	72.2	73.5	73.0	73.6	71.8	70.4	68.3	71.2
1932	75.5	69.0	68.6	74.1	74.9	73.0	74.3	72.8	69.5	71.1	70.8	72.7	72.2
1933	77.0	70.7	70.4	74.0	75.4	74.9	75.0	73.1	73.4	69.5	66.6	65.8	72.2
1934	71.2	65.6	66.5	67.8	71.8	75.3	73.9	72.4	70.4	69.3	70.8	70.4	70.5
1935	63.1	71.9	69.4	72.2	72.5	70.6	73.3	73.5	68.3	66.6	68.8	65.5	69.6
1936	67.9	59.5	72.6	69.1	73.5	70.1	73.9	73.1	72.1	66.6	69.7	75.6	70.3
1937	73.7	67.2	69.9	74.4	72.4	71.6	74.4	73.5	72.3	68.2	70.9	66.7	71.3
1938	71.0	64.9	72.6	74.5	71.1	73.7	73.1	72.8	70.7	70.1	70.5	73.3	71.5
1939	73.6	75.1	72.9	72.7	72.4	75.3	73.5	71.6	70.0	70.9	70.7	64.2	71.9
Mean	70.0	69.0	70.7	72.0	72.8	72.9	73.7	72.7	71.1	69.4	69.3	68.9	71.0

Lat. 30° N. Long. 140° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.7	74.5	75.7	73.4	71.8	71.1	72.9	70.9	71.2	69.8	70.6	67.0	71.6
1930	66.7	70.5	72.2	69.6	75.2	73.6	72.1	72.3	72.4	70.7	70.5	72.8	71.6
1931	70.5	72.7	73.1	68.3	69.4	72.5	70.5	72.6	72.6	73.0	72.1	68.3	71.3
1932	78.3	70.9	71.2	72.1	74.5	73.2	72.8	72.0	71.2	72.6	71.4	75.0	72.9
1933	76.9	76.3	71.6	75.6	76.3	74.4	73.3	71.5	71.9	71.2	72.8	69.3	73.4
1934	75.2	66.5	67.2	68.8	71.3	74.9	73.3	72.9	70.7	69.3	70.8	73.1	71.2
1935	66.6	72.1	71.0	70.0	73.4	71.2	73.8	71.8	69.1	68.6	71.3	68.2	70.6
1936	69.9	64.9	73.1	68.6	71.5	68.7	72.3	72.6	70.9	71.4	70.6	74.3	70.7
1937	75.5	68.7	69.1	74.8	72.9	70.6	73.8	73.1	71.9	69.5	71.5	68.1	71.6
1938	72.6	68.3	72.0	74.2	71.8	74.3	73.2	72.3	71.0	70.4	71.8	74.7	72.2
1939	75.3	79.2	73.6	71.8	72.0	74.5	71.8	70.9	69.5	72.2	71.4	67.6	72.5
Mean	72.6	71.3	71.8	71.6	72.7	72.6	72.7	72.1	71.1	70.8	71.3	70.8	71.8

Lat. 30° N. Long. 130° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.3	73.3	74.3	72.1	71.2	68.8	70.5	69.3	68.6	69.2	71.5	70.4	71.0
1930	69.5	71.5	69.7	69.2	72.0	70.1	70.2	70.7	69.8	68.4	70.5	73.2	70.4
1931	71.5	67.9	72.4	67.4	66.7	70.0	66.5	69.7	68.6	70.6	71.5	69.5	69.4
1932	75.7	70.2	71.8	70.2	71.4	69.6	69.8	68.2	69.5	71.0	70.9	74.1	71.0
1933	73.0	76.7	72.1	72.6	73.9	72.2	69.0	67.6	68.1	70.2	73.0	71.7	71.7
1934	75.6	66.9	69.5	70.1	69.6	71.2	70.6	70.5	67.9	69.1	70.5	72.0	70.3
1935	68.6	72.6	72.1	68.0	71.6	69.5	70.3	67.1	67.5	68.8	70.9	70.2	69.8
1936	69.6	67.3	70.4	69.6	68.8	67.2	68.5	68.9	66.7	69.3	71.1	70.8	69.0
1937	73.4	70.1	68.7	72.7	70.9	68.6	69.6	70.3	68.3	69.0	71.5	68.6	70.1
1938	72.6	68.7	70.7	72.0	70.5	70.8	70.6	70.0	68.0	69.6	71.8	71.5	70.6
1939	73.6	77.4	72.6	71.3	70.5	70.4	70.2	68.8	63.6	70.1	71.3	70.3	70.8
Mean	72.3	71.1	71.3	70.5	70.6	69.9	69.6	69.2	67.9	69.6	71.3	71.1	70.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 120° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.3	69.6	69.1	68.5	65.8	64.3	65.3	63.9	62.7	65.4	67.2	68.1	66.5
1930	67.9	68.5	65.8	66.0	66.2	63.9	64.5	65.6	65.0	63.3	66.8	69.0	66.0
1931	69.3	64.9	67.3	64.0	64.5	64.5	61.1	64.3	63.0	65.2	67.0	68.1	65.3
1932	70.3	67.4	68.2	65.5	65.9	62.9	64.5	62.6	64.2	65.6	68.1	69.2	66.2
1933	68.5	71.1	69.0	66.4	67.8	65.9	63.1	62.7	62.3	65.7	68.2	70.6	66.8
1934	71.2	69.2	68.0	66.6	64.6	65.1	65.0	65.1	63.1	66.3	67.8	67.8	66.7
1935	68.7	69.6	68.5	65.9	65.0	64.4	64.1	61.9	63.4	65.3	68.0	67.9	66.1
1936	67.3	67.9	65.8	67.6	64.8	62.9	62.6	63.6	61.8	64.8	67.3	67.0	65.3
1937	68.8	69.8	66.9	67.0	64.4	64.3	64.1	64.3	63.4	64.9	68.4	67.2	66.1
1938	68.8	68.0	67.9	66.9	64.7	64.0	65.4	64.6	63.6	66.0	68.2	68.0	66.3
1939	68.9	70.8	69.2	67.0	65.8	64.0	65.4	64.5	62.4	65.7	67.8	69.1	66.7
Mean	68.9	68.8	67.8	66.5	65.4	64.2	64.1	63.9	63.2	65.3	67.7	68.4	66.2

Lat. 30° N. Long. 110° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.2	64.4	63.0	61.8	60.6	59.1	60.6	60.5	58.1	62.3	66.2	67.8	62.5
1930	65.9	65.8	63.0	61.8	61.7	58.3	61.4	61.5	60.7	60.7	66.0	68.3	62.9
1931	67.6	64.7	64.5	62.5	60.8	60.4	58.7	62.3	59.5	62.7	64.3	66.7	62.9
1932	67.4	65.5	64.4	61.1	60.8	58.0	59.9	58.7	60.4	62.0	66.3	66.2	62.6
1933	66.3	67.1	63.7	61.8	61.0	60.6	60.2	60.4	58.6	62.5	66.6	68.7	63.1
1934	68.2	67.6	65.3	62.5	60.2	59.1	60.6	61.7	59.8	63.3	65.0	66.7	63.3
1935	66.9	67.0	63.9	61.5	60.0	59.3	60.6	59.7	60.5	62.8	65.4	66.1	62.8
1936	65.6	65.1	62.2	62.8	60.0	59.2	60.7	60.4	59.4	62.8	66.4	66.7	62.6
1937	65.5	66.0	63.2	61.8	59.7	59.9	60.3	61.1	61.5	62.5	65.6	66.5	62.8
1938	66.6	66.7	64.0	62.4	60.2	60.7	62.2	61.3	61.3	63.1	65.9	67.0	63.5
1939	66.6	65.8	64.8	62.3	59.7	59.3	...	...	...	...	...	...	...
Mean	66.5	66.0	63.8	62.0	60.4	59.4	60.5	60.8	60.0	62.5	65.8	67.1	62.9

Lat. 30° N. Long. 100° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.5	67.0	62.9	61.5	63.7	61.5	65.2	65.0	63.5	66.4	70.6	71.6	65.5
1930	71.5	67.3	66.0	64.6	62.7	62.8	65.5	64.9	63.0	65.1	69.9	71.9	66.3
1931	70.7	66.9	67.0	66.5	63.8	63.4	62.5	65.8	63.9	66.1	66.7	68.0	65.9
1932	67.5	65.7	65.8	63.1	63.8	60.3	63.4	61.9	64.4	65.5	71.3	69.4	65.2
1933	67.0	69.1	64.3	61.0	59.5	64.1	62.7	63.0	61.5	65.9	70.3	68.3	64.7
1934	69.9	70.2	68.7	63.8	63.7	60.6	63.5	64.3	63.3	66.3	66.4	70.4	65.9
1935	69.5	70.3	63.2	61.9	61.0	61.5	64.0	62.7	64.0	66.7	68.5	70.1	65.3
1936	67.8	65.7	62.2	66.2	62.8	61.9	63.7	63.8	62.9	67.3	72.7	68.8	65.5
1937	65.6	67.5	66.8	61.6	62.7	62.4	63.7	63.6	64.6	65.7	69.1	69.5	65.2
1938	69.2	70.0	62.6	64.7	61.5	63.9	63.8	64.8	65.6	66.9	69.2	69.6	66.0
1939	67.5	66.0	65.9	63.9	60.5	61.0	...	...	...	...	...	...	...
Mean	68.5	67.8	65.0	63.5	62.3	62.1	63.8	64.0	63.7	66.2	69.5	69.8	65.5



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 90° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.1	68.2	66.5	65.7	67.7	65.0	68.5	66.3	64.9	67.0	69.8	73.3	67.8
1930	72.9	70.4	67.2	68.0	*67.2	66.1	67.8	67.1	65.5	67.8	71.4	71.5	68.6
1931	72.4	68.5	66.8	69.3	66.4	67.2	65.3	68.3	67.2	69.0	71.2	68.8	68.4
1932	70.0	68.0	67.2	66.1	65.7	64.3	66.1	64.8	64.8	66.1	71.2	70.7	67.1
1933	70.0	70.2	67.7	63.5	63.7	66.3	65.3	64.9	64.3	67.1	71.1	71.1	67.1
1934	70.7	71.3	70.2	66.9	64.7	64.0	66.5	67.3	66.8	67.4	69.3	72.0	68.1
1935	71.7	70.7	68.5	64.5	64.9	65.6	66.0	64.7	65.1	69.6	70.3	71.7	67.8
1936	68.2	68.3	64.9	68.6	66.2	63.7	65.8	66.3	66.1	68.1	72.8	70.9	67.5
1937	68.2	68.7	68.4	65.6	66.1	65.3	67.2	66.3	66.4	66.5	69.8	71.9	67.5
1938	70.5	73.6	67.2	67.9	65.1	67.4	66.2	67.8	66.8	68.5	71.0	70.9	68.6
1939	70.4	68.4	70.1	66.8	64.9	65.4	...	...	...	...	...	...	...
Mean	70.5	69.7	67.7	66.6	65.7	65.5	66.5	66.4	65.8	67.7	70.8	71.3	67.9

Lat. 30° N. Long. 80° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.5	68.6	68.9	67.8	70.8	66.4	70.2	66.9	66.1	66.9	69.6	72.2	68.7
1930	72.0	71.1	65.6	68.8	68.8	66.7	68.2	67.2	67.1	67.1	71.7	69.2	68.6
1931	70.9	68.2	65.9	68.6	66.2	67.4	66.4	68.9	67.6	68.7	71.6	71.5	68.5
1932	72.8	68.8	66.2	67.0	67.1	65.8	66.6	66.5	65.5	66.5	68.2	72.5	67.3
1933	69.9	70.8	69.1	65.2	66.9	66.2	67.5	65.8	65.0	66.1	69.4	72.5	67.9
1934	71.8	70.9	69.8	67.8	65.3	66.8	67.6	68.9	67.4	67.3	70.3	70.8	68.7
1935	70.2	70.3	71.5	64.9	67.3	66.8	68.0	66.4	65.1	69.6	68.8	70.2	68.3
1936	69.0	68.9	64.8	69.1	67.0	64.7	67.0	67.6	67.0	67.0	70.2	70.5	67.7
1937	72.3	68.0	67.2	67.3	66.8	66.7	68.4	68.3	66.5	66.8	68.8	71.3	68.2
1938	70.6	73.5	70.1	69.9	66.6	68.7	68.3	68.9	66.5	67.3	70.3	70.3	69.3
1939	71.2	71.7	70.8	68.4	67.6	68.1	...	...	...	...	...	...	...
Mean	71.0	70.1	68.2	67.7	67.3	66.8	67.8	67.5	66.4	67.3	69.9	71.1	68.4

Lat. 30° N. Long. 70° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.0	70.4	71.1	70.1	73.2	69.1	73.1	69.5	68.8	67.2	69.8	72.3	70.6
1930	72.1	70.1	66.2	70.1	69.4	69.7	70.9	68.2	69.6	65.3	69.9	66.7	69.0
1931	69.2	66.4	64.4	69.7	67.3	68.0	68.5	70.5	68.1	67.9	69.8	72.2	68.5
1932	73.7	68.3	64.9	67.1	68.3	68.6	67.3	67.4	66.1	66.9	67.1	72.7	68.2
1933	68.4	70.6	68.7	65.8	68.4	67.0	70.4	66.3	66.4	65.1	68.0	71.0	68.1
1934	71.3	70.1	72.0	68.4	68.6	69.3	70.0	70.5	68.2	66.0	68.0	69.8	69.4
1935	69.8	69.8	72.5	65.3	68.3	68.8	70.7	67.2	67.1	68.4	66.9	67.7	68.5
1936	70.1	68.9	66.9	70.6	67.1	65.6	70.0	68.9	67.1	68.0	69.6	71.5	68.7
1937	75.9	68.1	66.5	68.7	67.4	68.6	71.6	70.7	66.2	67.2	68.2	69.4	69.0
1938	69.7	73.1	71.0	70.7	68.3	71.6	71.6	70.5	67.8	65.1	69.9	68.9	69.9
1939	70.2	73.8	72.0	70.6	69.1	69.4	...	...	...	...	...	...	...
Mean	71.1	70.0	68.7	68.8	68.7	68.7	70.4	69.0	67.5	66.7	68.7	70.3	69.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 60° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.4	71.8	71.1	70.9	75.4	72.7	75.1	72.8	70.5	68.9	68.3	73.9	71.9
1930	75.2	69.0	67.8	71.6	70.5	71.6	73.5	71.0	69.7	66.3	69.4	68.0	70.3
1931	69.5	65.6	64.6	69.8	69.3	69.8	71.5	72.1	68.3	68.3	69.9	71.5	69.2
1932	73.2	67.6	64.3	67.7	70.1	71.0	70.2	68.5	64.2	67.2	69.7	71.1	68.7
1933	69.2	69.4	69.1	67.1	69.5	69.2	72.7	70.4	68.6	66.7	68.9	71.3	69.3
1934	71.5	71.3	73.7	69.6	72.4	71.2	73.0	72.7	70.1	66.2	67.8	70.5	70.8
1935	69.0	72.0	72.2	66.2	69.7	70.5	73.2	70.1	69.8	68.1	65.2	67.4	69.5
1936	71.3	69.4	68.5	72.3	70.1	70.0	72.7	70.8	69.4	70.5	70.0	71.1	70.5
1937	78.0	68.1	66.8	69.4	68.9	71.3	73.1	72.6	66.9	67.8	67.9	68.2	69.9
1938	70.7	71.9	70.6	71.1	70.5	74.4	74.6	72.0	70.0	67.2	71.6	70.2	71.2
1939	71.1	74.9	73.4	73.1	71.4	70.1	...	...	...	67.2	...	...	...
Mean	71.8	70.1	69.3	69.9	70.7	71.1	73.0	71.3	68.8	67.7	68.9	70.3	70.2

Lat. 30° N. Long. 50° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.1	72.8	70.5	70.8	77.1	74.2	76.7	74.7	71.8	69.7	70.1	74.9	72.7
1930	78.7	68.9	69.3	72.5	72.2	74.4	74.9	73.5	69.1	69.0	69.8	72.6	72.1
1931	69.5	65.9	64.6	69.7	72.9	71.6	74.6	72.6	69.3	68.3	71.5	70.3	70.1
1932	72.4	66.6	64.3	69.1	70.9	72.8	73.6	70.3	67.5	68.6	70.2	70.2	69.7
1933	71.5	68.4	70.8	69.6	71.4	72.3	73.7	73.5	69.5	67.2	71.2	71.8	70.9
1934	73.2	73.6	75.2	70.7	74.5	72.0	75.3	74.9	70.9	68.0	68.7	71.5	72.4
1935	67.9	73.3	72.3	67.8	71.9	73.1	75.1	71.9	71.5	70.4	70.2	70.2	71.3
1936	70.9	69.2	67.7	74.4	73.1	73.5	75.3	72.9	72.0	71.8	72.4	71.5	72.1
1937	76.9	68.8	69.6	71.8	71.4	72.9	74.1	73.1	68.2	68.9	67.4	69.0	71.0
1938	70.7	69.4	69.6	70.3	73.2	76.0	76.7	73.6	73.0	70.9	73.0	72.0	72.4
1939	68.3	73.1	74.4	75.0	74.1	72.2	...	...	...	...	...	...	...
Mean	71.7	70.0	69.8	71.1	73.0	73.2	75.0	73.1	70.3	69.3	70.5	71.4	71.5

Lat. 30° N. Long. 40° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.3	73.1	69.8	71.1	78.1	74.8	76.5	75.2	72.0	71.6	72.3	75.7	73.0
1930	79.9	70.9	70.3	73.5	75.1	75.7	75.3	73.8	69.9	70.4	71.4	76.3	73.5
1931	71.1	71.1	64.3	71.7	74.5	72.7	75.8	73.1	70.9	68.9	72.3	70.7	71.4
1932	72.8	65.9	66.4	71.2	70.8	73.5	75.3	72.5	70.2	71.0	70.1	71.8	71.0
1933	72.9	65.4	72.8	69.8	72.8	74.5	74.8	73.8	69.8	65.9	73.5	74.2	71.7
1934	74.6	75.9	77.2	71.3	74.0	72.6	76.2	75.3	70.7	69.7	69.2	71.9	73.2
1935	67.0	75.0	69.2	68.6	72.8	74.5	76.0	72.8	72.8	73.8	74.6	73.0	72.5
1936	69.5	67.8	67.9	74.4	73.2	74.6	76.2	74.4	72.1	71.2	73.9	72.3	72.3
1937	74.2	68.8	72.6	72.8	73.0	72.6	73.8	73.0	71.2	71.4	65.7	67.5	71.4
1938	73.0	67.6	72.2	66.6	75.1	76.1	77.7	74.8	74.0	73.5	73.3	74.3	73.2
1939	71.6	72.9	73.6	73.7	74.0	74.8	...	...	...	...	...	...	...
Mean	72.1	70.4	70.6	71.3	74.0	74.2	75.8	73.9	71.4	70.7	71.6	72.8	72.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 30° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.9	72.6	67.8	69.2	76.5	74.2	74.5	73.1	71.5	73.4	74.1	76.0	72.3
1930	77.1	71.7	69.5	73.3	75.1	75.3	72.1	72.6	71.0	70.7	72.3	76.3	73.1
1931	73.5	75.8	64.5	71.6	73.9	73.0	73.9	73.2	71.1	69.1	72.2	72.2	72.0
1932	74.4	65.0	67.9	73.3	72.2	73.9	74.3	72.4	70.9	73.0	69.8	73.3	71.8
1933	73.2	65.8	73.7	70.0	73.0	74.8	74.6	72.3	70.4	65.8	73.0	75.6	71.9
1934	75.9	74.9	76.9	70.1	72.6	72.3	74.1	73.6	71.0	70.6	68.2	73.0	72.8
1935	69.7	77.4	72.8	70.2	72.6	74.6	74.9	73.1	73.1	74.4	74.0	72.3	73.3
1936	69.2	67.1	68.8	73.0	72.4	74.1	75.1	73.1	71.2	72.0	73.3	70.5	71.7
1937	73.5	70.0	74.1	72.0	72.8	72.7	72.4	71.7	70.8	69.9	65.0	70.0	71.2
1938	75.8	67.1	74.4	65.0	75.3	75.3	75.8	74.5	73.2	73.5	72.6	75.7	73.2
1939	71.5	76.0	72.8	71.0	72.3	74.6	...	...	...	...	...	...	...
Mean	72.6	71.3	71.2	70.8	73.5	74.1	74.2	73.0	71.4	71.2	71.5	73.5	72.4

Long. 30° N. Long. 20° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.5	71.5	66.9	66.9	72.5	72.4	70.5	70.3	69.3	71.4	73.0	74.9	70.7
1930	72.7	71.5	68.3	70.4	72.2	72.1	70.8	70.0	70.5	69.8	72.0	72.6	71.1
1931	74.7	76.0	65.2	69.3	71.5	71.2	70.1	70.6	68.9	69.1	70.6	71.9	70.8
1932	75.7	66.9	67.6	71.4	71.4	71.9	71.1	69.4	68.6	71.7	69.3	72.9	70.7
1933	71.2	68.1	72.9	69.8	70.4	71.7	71.6	69.0	69.3	66.6	70.5	73.4	70.4
1934	76.4	71.3	73.5	69.0	69.6	70.6	70.0	70.5	69.6	69.1	67.3	73.9	70.9
1935	72.4	76.2	71.1	70.2	70.7	72.6	71.4	70.2	71.4	72.2	71.0	71.9	71.8
1936	69.6	66.0	68.3	69.8	70.5	72.1	65.6	69.6	69.9	71.1	71.2	71.4	69.6
1937	72.8	71.3	72.0	69.9	70.8	71.7	69.4	68.0	68.0	66.7	65.7	70.9	69.8
1938	76.4	69.1	72.0	64.3	72.2	72.4	71.7	70.6	70.7	70.9	71.6	72.6	71.2
1939	71.4	75.4	71.0	68.9	69.4	71.2	...	...	...	...	...	...	...
Mean	72.9	71.2	69.9	69.1	71.0	71.8	70.2	69.8	69.6	69.9	70.2	72.6	70.7

Lat. 30° N. Long. 10° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.3	69.8	66.6	64.4	66.5	66.3	63.6	63.8	64.6	66.4	69.2	72.3	67.1
1930	69.5	68.8	66.5	65.8	67.5	65.8	64.0	64.8	66.2	67.0	69.0	68.9	67.0
1931	71.7	71.8	64.9	64.6	66.1	66.1	64.3	64.9	64.7	67.2	67.8	69.9	67.0
1932	75.6	66.8	65.2	66.8	66.8	66.3	64.9	64.8	65.3	67.5	68.4	71.7	67.5
1933	69.1	67.8	69.6	66.1	65.5	65.4	65.7	64.3	65.7	65.2	66.3	70.2	66.7
1934	75.9	69.7	68.1	65.9	64.7	65.7	64.9	65.2	65.4	66.7	66.9	72.0	67.6
1935	70.4	74.0	67.6	67.1	66.3	67.3	65.8	64.7	66.6	67.5	69.3	70.7	68.1
1936	70.8	65.7	67.3	66.5	66.0	68.0	66.2	64.3	66.5	67.7	68.2	71.8	67.4
1937	72.5	70.8	68.7	66.2	66.8	66.6	64.3	63.3	64.4	64.9	67.0	70.4	67.2
1938	75.0	70.6	69.6	63.5	67.1	67.0	66.5	65.0	66.2	66.9	70.3	69.4	68.1
1939	70.9	71.7	67.0	65.3	64.2	66.0	...	...	...	...	...	...	...
Mean	72.1	69.8	67.4	65.7	66.1	66.4	65.0	64.5	65.6	66.7	68.2	70.7	67.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 0°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.0	68.6	66.5	62.0	62.5	62.6	59.3	59.9	61.5	64.7	67.2	70.7	64.9
1930	68.1	65.9	64.1	59.2	62.0	58.4	56.5	60.1	63.0	65.0	67.9	68.4	63.2
1931	68.6	68.1	63.2	60.3	60.1	61.0	59.8	59.8	61.2	64.3	65.5	69.7	63.5
1932	75.1	65.7	62.3	62.3	60.1	59.6	56.1	60.3	61.4	62.9	66.9	70.0	63.6
1933	67.5	64.7	65.1	62.3	60.4	68.3	60.7	60.8	61.1	63.1	62.6	66.4	63.6
1934	73.0	69.5	62.9	60.0	60.6	59.2	57.7	56.9	62.9	63.2	64.4	68.7	63.3
1935	67.6	69.1	64.8	61.5	58.7	61.2	60.2	58.6	61.3	62.9	66.3	67.2	63.3
1936	69.4	63.0	62.5	60.0	57.7	60.9	60.2	60.7	62.8	64.4	65.2	71.9	63.2
1937	73.0	69.4	66.1	64.3	64.2	62.0	62.1	61.2	62.6	65.4	68.6	71.3	65.9
1938	74.4	72.6	72.2	63.5	63.9	63.8	63.6	60.2	62.3	65.8	70.2	68.3	66.7
1939	71.9	69.3	65.9	63.3	62.0	61.7	...	...	...	...	...	...	...
Mean	71.1	67.8	65.1	61.7	61.1	61.7	59.7	59.9	62.0	64.2	66.5	69.3	64.2

Lat. 30° N. Long. 10° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.4	65.5	65.4	62.9	60.8	65.0	62.8	61.1	62.5	65.6	65.8	69.0	64.9
1930	67.8	64.6	65.9	58.9	61.2	60.3	59.2	62.5	62.9	65.5	68.4	66.1	63.6
1931	66.6	64.1	64.3	61.4	62.1	62.4	61.7	60.9	62.8	65.7	66.6	69.5	64.0
1932	74.8	66.5	64.0	62.3	63.3	61.2	60.0	62.4	62.8	58.8	66.7	68.3	64.3
1933	66.8	63.2	64.6	64.4	60.5	57.5	63.4	62.6	63.0	65.8	63.0	65.0	63.3
1934	72.5	69.3	61.7	62.3	63.0	62.6	61.3	61.2	65.0	65.7	65.8	69.5	65.0
1935	66.7	68.3	64.5	62.8	59.8	62.7	62.7	61.5	63.7	63.5	68.3	65.8	64.2
1936	68.3	62.5	62.2	62.1	59.2	61.5	61.5	62.4	65.2	63.1	64.2	70.5	63.6
1937	72.7	67.4	66.2	64.2	64.1	63.1	62.7	62.5	63.6	65.2	67.6	69.9	65.8
1938	72.3	71.8	72.2	64.6	63.7	65.6	65.0	63.0	64.4	66.5	69.4	66.5	67.1
1939	70.6	68.4	65.5	63.0	61.4	62.6	...	...	...	...	...	...	...
Mean	70.1	66.5	65.1	62.6	61.7	62.2	62.0	62.0	63.6	64.5	66.6	68.0	64.6

Lat. 30° N. Long. 20° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.5	62.8	66.3	64.5	61.0	64.2	63.7	61.7	63.4	66.3	64.8	67.3	64.7
1930	68.5	66.2	66.4	61.4	63.5	62.5	60.9	63.1	64.4	66.7	69.7	66.2	65.0
1931	66.5	64.6	65.2	63.7	63.4	63.2	62.3	61.8	64.7	68.7	69.3	70.6	65.3
1932	73.4	67.5	65.5	65.3	65.5	63.7	61.0	62.9	64.0	64.3	68.2	71.2	66.0
1933	67.9	63.4	65.1	65.8	63.1	60.6	64.1	62.8	65.0	69.6	67.2	66.7	65.1
1934	72.0	70.5	63.9	65.0	64.8	64.4	62.9	62.6	65.6	66.3	67.6	67.5	66.1
1935	66.6	67.4	65.1	63.7	62.4	63.2	63.1	62.7	64.8	66.7	65.6	66.7	64.8
1936	67.9	62.4	64.6	63.7	60.4	63.5	62.0	61.8	65.7	65.2	66.4	70.2	64.7
1937	71.4	65.4	66.9	64.1	64.7	63.9	61.0	62.2	63.8	65.0	65.9	68.5	65.2
1938	68.4	69.3	69.9	63.9	63.4	65.5	62.4	62.7	65.5	66.3	69.2	65.3	66.0
1939	69.1	67.5	63.4	62.6	61.6	62.1	...	...	...	...	...	...	...
Mean	69.3	66.1	65.7	64.0	63.1	63.3	62.3	62.4	64.7	66.5	67.4	68.0	65.2

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 30° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.9	64.2	66.9	64.5	60.6	61.4	59.5	58.8	62.5	66.1	66.3	66.7	64.0
1930	68.9	67.4	66.4	62.1	64.1	61.4	57.9	59.7	62.7	65.8	68.8	67.8	64.4
1931	67.1	66.0	65.3	63.6	62.9	61.7	57.5	58.1	62.2	66.5	68.3	71.2	64.2
1932	71.1	67.7	67.2	67.0	64.5	62.5	57.8	58.9	62.0	64.3	66.1	69.7	64.9
1933	67.8	63.5	64.2	63.8	62.7	60.4	60.6	59.9	62.1	67.1	67.3	67.9	63.9
1934	70.5	69.6	65.2	63.5	63.6	61.2	58.5	59.6	62.4	65.6	67.7	66.6	64.5
1935	67.9	66.6	63.3	63.3	61.6	60.5	59.2	59.4	62.1	65.1	67.8	68.7	63.8
1936	68.8	63.9	65.1	63.6	59.4	61.6	57.9	59.3	63.7	65.2	66.5	68.9	63.7
1937	68.9	64.8	65.2	62.6	63.2	60.9	57.4	58.1	61.4	63.5	64.4	67.9	63.2
1938	65.2	66.7	66.5	62.6	62.7	60.7	57.1	57.8	61.6	64.4	66.5	64.9	63.1
1939	67.7	65.8	62.6	62.0	61.2	59.9	...	61.5	...	...	...	...	...
Mean	68.5	66.0	65.3	63.5	62.4	61.1	58.3	59.2	62.3	65.4	67.0	68.0	63.9

Lat. 30° N. Long. 40° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.8	64.7	64.8	62.7	58.5	55.5	52.5	53.6	56.7	63.6	64.9	67.5	61.2
1930	68.1	66.1	64.0	60.8	61.2	55.0	52.6	54.0	59.4	63.8	67.1	67.9	61.7
1931	66.6	65.2	63.3	...	58.7	56.1	51.8	52.4	57.2	62.6	65.7	69.3	60.9
1932	69.0	66.6	64.3	63.4	60.3	56.0	51.2	51.4	57.3	60.9	63.2	67.6	60.9
1933	66.1	63.0	61.0	60.6	60.0	55.2	54.3	54.7	57.1	62.9	67.1	67.9	60.8
1934	68.5	67.2	64.1	60.7	59.7	55.8	52.9	51.9	56.5	63.5	66.7	67.3	61.2
1935	68.9	65.1	62.7	62.3	59.9	56.1	52.9	53.3	57.0	61.7	66.8	69.3	61.3
1936	70.3	64.3	64.2	61.6	58.0	56.9	52.4	54.6	58.1	63.9	65.4	69.1	61.6
1937	67.6	64.2	65.1	60.5	60.3	55.9	52.9	52.1	56.9	61.3	64.5	68.1	60.8
1938	64.6	65.6	64.1	60.3	58.9	55.9	52.5	52.0	56.0	60.6	64.8	65.0	60.0
1939	66.5	63.6	60.5	60.3	58.2	54.6	...	61.8	...	...	...	...	...
Mean	67.7	65.1	63.5	61.3	59.4	55.7	52.6	53.8	57.2	62.5	65.6	67.9	61.0

Lat. 30° N. Long. 50° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.9	66.7	65.9	62.1	56.7	51.3	46.6	50.7	55.2	63.7	67.4	68.6	60.5
1930	69.8	66.5	65.9	61.4	60.1	51.2	47.7	52.9	59.3	64.6	68.4	70.6	61.5
1931	69.2	69.2	64.3	...	56.8	53.9	48.3	48.8	56.9	65.4	69.1	70.5	61.5
1932	73.2	67.6	65.5	61.2	59.4	54.0	49.6	49.8	57.4	61.5	65.8	69.8	61.2
1933	69.7	63.6	62.7	59.6	57.9	51.4	50.2	50.9	55.8	62.9	69.7	68.7	60.3
1934	71.9	67.3	66.4	60.6	59.4	52.6	49.5	51.3	56.3	64.9	68.4	68.6	61.4
1935	70.8	65.6	64.2	61.6	59.3	55.0	49.6	50.0	55.7	62.5	68.6	70.7	61.1
1936	72.0	66.1	66.4	61.0	57.1	53.7	49.6	52.8	56.7	65.6	68.3	71.0	61.7
1937	70.7	66.6	67.4	60.9	59.8	55.0	49.9	49.4	57.8	63.9	68.2	70.8	61.7
1938	68.5	67.9	63.9	60.7	...	...	...	49.0	54.6	...	67.8	69.0	...
1939	...	65.2	...	60.7	56.7	...	...	...	...	...	...	...	...
Mean	70.7	66.6	65.3	61.0	58.3	53.1	49.0	50.6	56.6	63.9	68.2	69.8	61.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 60° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.8	68.5	65.9	60.9	55.7	49.8	46.3	51.1	55.7	64.2	68.6	69.3	60.7
1930	71.3	67.8	65.3	61.4	58.7	50.5	46.8	53.5	59.3	65.4	69.2	71.6	61.7
1931	70.9	71.9	62.2	...	55.5	52.0	47.8	49.4	56.6	66.5	69.9	69.7	61.1
1932	73.3	67.2	66.2	60.4	57.6	50.9	48.3	49.2	56.6	63.2	66.0	70.8	60.8
1933	70.2	64.2	62.5	57.1	56.1	48.2	48.0	51.0	56.1	64.0	69.5	68.0	59.6
1934	73.8	66.8	66.5	61.1	58.7	50.1	47.5	50.5	57.6	66.2	69.0	68.9	61.4
1935	70.6	66.9	65.2	60.7	57.1	53.0	46.5	49.6	55.8	63.4	68.9	71.4	60.8
1936	71.7	66.0	67.7	60.4	53.9	49.8	48.7	51.0	55.1	65.1	69.7	71.5	60.9
1937	71.8	67.1	67.2	61.3	57.5	51.6	46.9	48.5	57.4	65.0	68.6	71.1	61.2
1938	71.3	68.9	62.7	59.5	...	...	47.0	48.5	54.8	58.8	69.2	69.9	59.8
1939	70.3	65.8	63.9	59.9	55.0	...	...	...	...	...	...	...	...
Mean	71.5	67.4	65.0	60.3	56.6	50.7	47.4	50.2	58.5	64.2	68.9	70.2	60.7

Lat. 30° N. Long. 70° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.6	68.4	63.5	59.1	53.2	46.6	46.4	50.2	58.2	62.8	67.8	70.0	59.5
1930	69.8	68.1	62.1	59.1	54.0	48.9	47.4	50.5	56.6	62.8	68.8	70.0	59.9
1931	69.2	69.4	60.4	...	52.9	49.5	47.4	47.2	55.7	62.3	67.8	69.3	59.1
1932	70.7	66.0	64.4	58.6	53.8	47.1	46.3	47.5	54.4	62.2	63.1	66.2	58.4
1933	67.2	62.8	60.2	55.3	55.0	46.3	47.5	50.9	54.9	62.2	67.4	68.2	58.2
1934	69.3	65.0	64.1	57.6	55.2	48.5	47.3	50.0	55.8	63.8	66.6	69.8	59.4
1935	70.0	66.8	64.1	60.2	53.7	48.5	46.6	51.1	54.3	62.3	67.3	69.7	59.6
1936	69.4	64.0	65.6	57.5	50.0	51.0	46.6	49.2	54.5	62.9	67.4	68.6	58.9
1937	68.6	65.3	62.9	59.1	53.6	46.4	45.9	48.6	55.7	63.3	66.2	68.5	58.7
1938	70.2	67.2	60.4	58.8	49.9	47.1	47.0	48.8	53.3	58.8	67.5	68.4	58.1
1939	70.0	66.4	...	58.2	51.9	47.2	...	...	...	...	...	...	...
Mean	69.5	66.3	62.8	58.4	53.0	47.9	46.8	49.4	55.1	62.3	67.0	68.9	59.0

Lat. 30° N. Long. 80° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.3	67.2	63.5	59.3	53.0	48.5	48.2	51.9	57.2	62.6	67.0	68.8	58.8
1930	69.1	68.3	61.2	58.2	54.4	50.8	49.1	51.0	56.4	62.9	68.3	69.5	59.9
1931	68.6	68.0	60.1	56.6	52.8	49.2	49.2	48.8	56.0	62.0	67.8	68.9	59.0
1932	70.4	66.5	64.0	58.4	53.9	47.2	48.2	48.9	54.0	61.7	62.7	65.6	58.5
1933	66.5	62.6	58.9	55.1	56.2	48.1	49.4	52.3	55.0	61.0	67.1	67.7	58.3
1934	67.2	65.5	62.5	56.4	53.6	50.7	49.0	51.9	55.2	63.3	66.2	70.2	59.3
1935	70.0	65.9	63.2	59.3	51.9	47.8	48.2	52.4	54.4	61.9	67.0	69.3	59.3
1936	68.5	65.4	65.1	56.5	51.6	49.5	48.5	50.5	56.2	63.6	67.6	67.6	59.2
1937	68.1	66.0	60.9	58.8	53.7	48.9	48.4	49.8	56.0	63.4	66.4	68.6	59.1
1938	68.8	66.2	59.1	57.4	51.1	48.7	49.1	50.5	54.2	59.8	67.2	68.2	58.4
1939	69.7	66.4	62.7	56.3	51.0	48.1	...	...	...	...	...	...	...
Mean	68.7	66.2	61.9	57.5	53.0	48.9	48.7	50.8	55.5	62.2	66.7	68.4	59.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.3	67.3	65.8	62.0	57.8	50.9	51.6	54.6	59.0	64.4	68.2	69.7	61.7
1930	70.0	69.8	64.5	60.0	57.1	52.8	51.5	52.7	58.6	64.6	69.0	70.0	61.7
1931	69.5	69.2	60.9	58.2	56.8	51.7	51.5	50.7	57.3	62.6	68.1	69.0	60.5
1932	71.8	67.9	64.6	60.3	57.3	50.1	49.7	51.0	55.8	63.0	63.9	68.0	60.3
1933	67.1	63.9	59.1	57.5	57.7	50.8	51.4	54.0	57.0	62.4	67.4	67.8	59.7
1934	68.5	67.5	62.8	57.2	57.1	54.0	50.3	53.8	56.5	64.6	67.1	70.6	60.8
1935	70.2	66.9	63.5	60.4	54.9	50.5	50.3	53.5	55.5	62.5	67.0	69.8	60.4
1936	68.7	66.4	65.2	57.5	55.6	51.6	50.7	52.3	57.8	65.5	68.4	69.2	60.7
1937	68.7	67.5	61.0	59.5	57.1	51.6	50.3	51.3	58.0	64.2	67.7	68.6	60.5
1938	70.1	66.9	59.4	59.1	54.1	51.0	51.1	...	56.3	60.7	67.8	68.4	59.8
1939	69.7	67.2	...	55.4	54.6	50.4	...	...	...	...	...	...	...
Mean	69.4	67.3	62.7	58.8	56.4	51.4	50.8	52.7	57.2	63.5	67.5	69.1	60.6

Lat. 30° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	70.0	69.6	68.1	64.7	59.1	52.7	53.3	54.5	61.2	66.3	69.5	71.1	64.2
1930	74.3	71.6	67.5	61.1	58.5	53.5	52.6	54.1	61.7	66.7	71.3	72.3	63.8
1931	72.0	70.5	66.0	60.8	58.6	53.1	53.1	51.8	60.1	66.2	70.6	70.9	62.8
1932	74.2	70.8	66.7	62.8	58.3	53.6	51.9	53.4	59.4	66.3	69.3	73.2	63.3
1933	71.1	67.5	63.9	60.7	59.9	53.5	53.2	55.3	59.9	65.9	70.0	69.0	62.5
1934	71.7	72.3	65.8	60.9	58.3	56.3	51.6	55.3	58.8	69.1	70.4	72.0	63.5
1935	72.1	69.0	64.5	61.6	57.9	53.3	51.5	54.5	59.0	63.9	69.1	73.2	62.5
1936	73.3	68.7	67.7	58.9	58.5	53.3	52.1	54.5	60.1	67.8	69.9	72.5	62.3
1937	70.0	68.7	63.3	61.4	59.3	54.0	50.7	51.9	59.3	65.5	69.7	69.2	61.9
1938	70.3	65.7	61.9	60.3	56.4	53.6	51.5	...	58.2	62.2	69.7	70.1	61.1
1939	70.0	66.5	61.5	59.6	55.7	...	...	...	...	...	...	...	...
Mean	71.7	69.2	65.2	61.2	58.2	53.7	52.2	53.9	59.8	66.0	70.0	71.4	62.7

Lat. 30° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	72.5	72.6	70.9	65.6	59.5	53.2	52.8	53.3	62.0	69.4	72.2	72.0	64.7
1930	79.1	73.2	70.7	62.2	60.0	55.7	51.3	54.9	65.2	68.6	74.5	75.4	65.9
1931	75.2	73.2	70.5	63.4	59.5	53.8	53.9	52.4	62.7	70.8	71.6	74.7	65.1
1932	77.2	75.2	69.3	63.8	58.2	55.4	53.4	54.8	62.9	69.9	73.4	78.6	66.0
1933	78.3	71.6	69.5	63.5	61.9	54.7	54.4	55.6	61.9	71.0	72.7	72.4	65.6
1934	79.5	76.2	69.6	66.0	59.0	56.8	53.2	56.6	61.6	73.3	74.5	75.4	66.8
1935	76.3	73.5	66.8	64.0	60.7	55.1	51.7	54.7	61.4	66.0	73.1	78.7	65.2
1936	78.5	72.1	74.2	62.2	60.5	54.8	53.4	55.8	61.6	68.4	72.6	76.5	65.9
1937	73.9	72.7	66.1	64.3	60.4	55.8	51.8	53.1	62.1	68.2	72.3	70.6	64.3
1938	74.3	67.5	65.9	60.6	58.3	...	52.1	52.7	61.2	65.3	73.0	73.4	63.3
1939	73.4	69.2	63.9	63.6	58.3	...	...	...	...	...	...	...	...
Mean	76.2	72.5	68.9	63.6	59.7	55.0	52.8	54.4	62.4	69.1	73.0	74.8	65.2

SEA-LEVEL PRESSURE AT 10° INTERSECTIONS  
 Lat. 30° N. Long. 120° E.  
 950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	73.3	72.9	71.6	65.8	61.5	54.6	55.1	54.8	63.3	68.6	74.1	72.5	65.7
1930	77.3	72.2	70.2	64.0	62.0	57.8	51.9	55.7	64.4	67.6	74.0	74.7	66.0
1931	74.1	73.9	69.9	67.1	62.4	56.0	56.7	54.8	61.9	70.1	70.8	75.8	66.1
1932	77.0	76.0	70.8	64.2	60.7	56.8	56.2	51.9	62.7	68.6	70.9	75.8	66.0
1933	77.9	71.4	70.5	64.4	63.2	56.3	56.6	56.6	60.5	69.4	71.8	71.7	65.9
1934	79.2	75.1	69.5	67.4	61.5	59.4	56.3	59.2	61.9	72.1	73.4	75.3	67.5
1935	75.5	73.3	67.5	64.8	61.5	55.9	54.7	55.4	61.4	66.7	72.6	77.3	65.6
1936	76.5	71.5	75.0	63.7	62.1	56.8	55.7	56.6	61.0	67.2	72.3	74.5	66.1
1937	74.3	72.7	66.8	65.3	60.9	57.0	55.0	56.0	63.2	68.7	70.6	71.1	65.1
1938	77.6	71.8	69.1	62.7	60.2	57.2	56.5	55.2	62.7	67.2	73.7	74.6	65.7
1939	74.7	72.9	67.4	65.3	60.3	55.6	...	...	...	...	...	...	...
Mean	76.1	73.1	69.8	65.0	61.5	56.7	55.5	55.6	62.3	68.6	72.4	74.3	65.9

Lat. 30° N. Long. 130° E.  
 950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	71.9	70.6	69.7	66.1	62.0	58.0	60.1	59.6	61.0	64.8	70.8	70.5	65.4
1930	71.5	69.9	68.7	65.2	63.5	60.3	57.3	57.1	64.0	65.2	71.9	71.9	65.5
1931	70.5	69.0	68.3	66.8	63.0	57.5	60.2	58.0	62.6	67.0	69.0	72.0	65.3
1932	74.5	70.9	69.7	65.3	63.2	59.0	59.7	56.5	62.0	67.2	69.1	71.8	65.7
1933	73.7	69.2	67.8	66.1	64.0	59.5	59.2	58.1	61.0	66.4	69.5	67.8	65.2
1934	72.4	70.1	66.5	65.9	63.7	60.4	59.9	61.0	60.9	67.9	69.8	70.8	65.8
1935	70.5	70.4	66.8	64.7	62.8	59.5	58.5	56.7	58.5	65.7	70.2	71.6	64.7
1936	72.1	67.6	72.3	64.4	63.2	59.6	58.9	58.2	60.2	62.5	68.9	70.4	64.9
1937	70.1	68.3	63.7	65.2	60.7	57.5	56.2	60.6	61.4	65.4	67.4	69.0	63.8
1938	73.5	69.4	68.1	64.1	62.2	58.6	59.3	56.1	61.2	64.0	70.0	71.2	64.8
1939	72.6	72.0	66.0	64.8	61.9	58.5	...	...	...	...	...	...	...
Mean	72.1	69.8	68.0	65.3	62.7	58.9	58.9	58.2	61.3	65.6	69.7	70.7	65.1

Lat. 30° N. Long. 140° E.  
 950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.8	67.2	67.0	66.4	62.9	60.1	63.1	61.9	62.7	63.7	67.1	68.4	64.9
1930	67.6	66.1	67.9	65.9	64.3	61.9	59.6	58.0	63.4	63.9	69.1	68.6	64.7
1931	67.4	66.0	67.3	66.6	63.3	59.9	62.1	61.9	63.5	66.2	67.7	69.2	65.1
1932	71.2	66.4	67.1	66.3	65.5	60.6	61.5	61.8	62.4	65.2	66.9	68.1	65.3
1933	69.1	66.4	65.2	66.4	64.4	62.1	62.7	60.3	62.3	65.8	66.7	63.9	64.6
1934	67.3	64.4	65.3	65.9	65.3	62.9	62.0	62.7	63.6	64.9	67.7	68.4	65.0
1935	65.9	68.4	65.6	65.7	63.5	62.3	61.9	59.0	60.6	64.6	69.2	68.2	64.6
1936	67.1	64.9	70.1	65.8	64.4	62.1	62.0	60.7	61.7	62.6	66.3	68.3	64.7
1937	67.6	67.0	62.5	66.8	62.2	59.8	60.4	64.3	63.2	64.2	66.5	66.0	64.2
1938	69.7	65.5	67.0	64.4	64.1	60.3	61.0	59.7	60.3	63.2	66.8	67.9	64.2
1939	68.5	68.4	63.6	65.8	61.6	60.1	...	...	...	...	...	...	...
Mean	68.1	66.4	66.2	66.0	63.8	61.1	61.6	61.0	62.4	64.4	67.4	67.7	64.7



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 30° N. Long. 150° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.0	63.1	67.5	67.8	65.3	62.8	65.1	64.3	66.6	65.8	67.7	66.9	65.6
1930	65.4	62.9	69.9	67.5	66.6	64.7	62.6	58.8	64.0	65.0	67.6	66.7	65.1
1931	66.5	65.1	66.3	67.7	64.6	61.3	62.8	63.8	65.0	67.3	67.6	68.1	65.5
1932	69.9	63.3	66.2	66.5	67.4	62.7	63.5	65.1	64.2	66.4	67.3	66.7	65.8
1933	67.6	64.7	65.3	67.5	65.8	64.1	65.3	62.9	64.6	66.4	66.0	61.0	65.1
1934	63.7	61.3	65.1	67.0	65.9	65.5	64.5	64.0	65.9	66.7	67.6	67.0	65.4
1935	64.5	67.5	65.4	66.7	64.6	64.8	65.6	62.6	64.1	64.9	67.8	66.6	65.4
1936	63.4	61.8	68.8	68.8	66.8	63.9	63.5	62.5	64.5	65.9	67.4	67.3	65.4
1937	65.5	68.3	63.8	69.1	64.8	61.3	64.2	66.5	66.6	65.9	66.8	64.7	65.6
1938	67.5	62.6	68.1	66.5	66.9	63.0	61.2	63.7	63.1	65.1	66.2	66.3	65.1
1939	65.8	65.4	63.2	68.5	63.8	62.3	66.8	62.7	64.4	65.2	65.1	66.8	65.0
Mean	65.8	64.2	66.3	67.6	65.7	63.3	64.1	63.4	64.8	65.9	67.0	66.2	65.4

Lat. 30° N. Long. 160° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.1	61.2	69.6	70.1	68.0	64.9	68.0	65.5	68.8	68.5	70.6	67.3	67.0
1930	64.1	61.1	71.8	68.9	68.7	67.7	65.9	61.3	64.4	67.8	69.5	67.3	66.5
1931	65.8	65.4	65.7	70.1	65.9	63.2	63.8	66.1	66.0	69.4	68.3	68.6	66.5
1932	68.9	62.7	65.6	67.4	69.4	65.7	65.9	67.6	66.6	68.4	67.4	66.5	66.8
1933	66.9	64.6	66.6	68.5	67.5	65.2	68.2	66.9	66.4	67.2	68.0	60.7	66.4
1934	61.1	58.9	65.9	69.5	65.4	68.1	67.0	66.9	67.2	68.5	68.9	67.4	66.2
1935	64.3	67.8	66.8	68.1	66.3	66.3	69.5	66.1	65.9	66.5	67.3	65.7	66.7
1936	62.3	60.2	69.4	70.9	69.2	64.8	64.4	63.8	65.9	68.6	64.9	68.0	66.0
1937	65.2	69.9	64.6	70.5	67.5	64.1	68.3	67.7	69.6	67.3	66.4	63.8	67.1
1938	66.6	61.0	69.6	68.8	68.6	66.1	63.5	66.8	67.9	68.0	67.0	66.6	66.7
1939	64.5	63.9	63.9	70.8	65.5	63.4	64.7	65.4	65.4	65.9	65.8	65.3	65.4
Mean	64.6	63.3	67.2	69.4	67.5	65.4	66.3	65.8	66.7	67.8	67.6	66.1	66.5

Lat. 30° N. Long. 170° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.7	60.6	72.6	71.2	69.5	67.9	69.8	66.4	68.4	69.3	72.5	69.9	68.2
1930	62.3	60.8	71.3	70.6	71.1	69.3	68.9	64.5	64.7	68.9	71.4	68.2	67.7
1931	65.0	66.6	65.7	71.3	67.9	65.9	65.1	68.0	66.1	71.5	68.9	69.8	67.7
1932	67.4	64.3	65.4	70.2	71.5	67.7	68.9	69.5	68.8	69.1	67.1	66.9	68.1
1933	67.1	64.4	67.8	70.1	68.1	66.9	71.2	69.5	67.5	68.2	68.8	60.1	67.5
1934	61.6	59.1	66.7	72.4	66.1	69.5	69.2	69.3	66.4	69.8	68.6	67.8	67.2
1935	65.5	68.0	69.1	68.5	67.6	67.2	71.6	67.3	65.8	68.0	67.4	65.4	67.6
1936	62.4	59.6	71.5	72.5	71.5	66.2	66.0	64.7	66.4	69.1	71.8	69.2	67.6
1937	66.3	71.9	67.1	71.0	69.8	67.7	70.9	69.2	70.3	68.9	66.2	64.6	63.7
1938	66.6	59.6	72.0	70.7	70.9	69.0	68.2	68.2	70.8	68.9	69.1	67.8	63.5
1939	64.5	64.4	65.5	71.5	66.9	64.7	68.8	62.7	65.6	66.9	69.2	65.1	66.3
Mean	64.4	63.6	68.6	70.9	69.2	67.5	69.0	67.2	67.3	69.0	69.2	66.8	67.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 180°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.0	65.3	68.3	68.7	67.7	67.2	66.8	66.1	64.6	65.6	66.4	67.5	66.5
1930	65.0	66.5	66.8	67.6	68.5	67.1	65.0	62.9	63.2	65.5	66.2	68.4	66.1
1931	67.2	68.1	66.9	68.0	66.8	67.2	65.0	65.3	64.3	65.3	65.3	67.2	66.4
1932	63.5	63.7	67.0	68.1	67.5	66.9	66.7	66.0	65.5	65.0	64.9	65.2	65.8
1933	63.9	65.8	66.7	66.3	65.5	66.1	67.8	67.5	67.1	65.2	66.1	63.6	66.0
1934	65.9	65.3	66.7	68.1	66.3	66.5	65.9	65.3	64.0	65.9	65.3	65.7	65.9
1935	64.8	68.6	66.4	66.7	67.0	66.2	65.7	64.8	64.3	64.9	65.2	64.9	65.9
1936	64.3	63.8	68.3	67.5	67.8	65.9	65.1	63.8	64.7	65.6	66.2	65.8	65.7
1937	63.2	67.1	65.8	66.3	68.0	67.3	66.1	65.5	65.7	66.3	65.8	65.9	66.1
1938	65.7	62.2	67.6	68.6	67.2	68.1	66.8	65.1	65.6	67.2	66.7	67.2	66.5
1939	67.6	66.0	65.3	67.0	64.7	65.2	65.6	64.0	63.4	63.6	66.8	65.9	65.4
Mean	65.0	65.7	66.9	67.5	67.0	66.7	66.0	65.1	64.8	65.5	65.9	66.1	66.0

Lat. 20° N. Long. 170° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.5	66.0	66.1	67.9	67.2	67.1	66.9	66.4	64.6	65.4	65.0	66.0	66.1
1930	63.5	66.6	66.5	68.4	68.4	66.9	65.3	61.7	63.8	64.6	64.7	68.3	65.7
1931	67.5	68.9	67.3	67.6	66.5	67.3	65.8	65.9	65.0	65.1	65.5	67.6	66.7
1932	63.8	62.8	66.4	68.0	67.4	66.9	67.2	66.2	65.5	64.8	64.6	65.2	65.7
1933	64.5	64.9	67.1	66.3	66.1	66.9	68.1	67.7	67.4	65.1	65.9	63.5	66.1
1934	66.2	66.1	66.3	68.0	66.7	67.0	66.1	65.2	62.2	66.0	65.8	65.1	65.9
1935	63.9	68.9	65.6	66.9	67.4	66.6	65.4	64.8	64.6	64.6	64.6	64.6	65.7
1936	63.7	63.7	67.6	66.9	67.9	66.4	65.6	64.3	64.5	64.4	64.9	65.8	65.5
1937	61.0	66.1	65.2	66.3	67.8	67.3	65.8	65.8	65.7	65.8	66.8	65.1	65.7
1938	65.7	62.1	67.3	68.2	66.6	67.9	66.6	65.3	65.1	66.7	65.9	66.6	66.2
1939	67.9	65.5	64.7	67.1	66.4	65.7	66.0	64.7	64.2	63.8	67.1	66.5	65.8
Mean	64.7	65.6	66.4	67.4	67.1	66.9	66.3	65.3	64.8	65.1	65.5	65.8	65.9

Lat. 20° N. Long. 160° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.9	65.9	66.2	67.7	67.0	66.5	66.7	65.9	65.4	65.4	63.1	64.1	65.7
1930	62.2	67.4	66.5	68.0	68.8	66.5	65.8	64.9	64.8	64.5	64.5	67.9	66.0
1931	68.3	69.6	67.6	67.0	66.5	67.6	66.5	66.3	65.3	65.2	65.3	65.9	66.8
1932	65.5	63.0	66.3	68.2	67.5	67.3	67.3	66.6	65.3	65.4	65.2	65.9	66.1
1933	66.3	65.2	67.5	66.3	67.7	67.4	68.1	68.0	67.5	65.5	65.7	65.0	66.7
1934	66.6	66.9	66.1	67.1	66.9	67.4	66.6	65.9	64.6	65.8	66.4	65.1	66.3
1935	63.3	68.6	65.5	67.1	67.9	66.6	65.6	65.2	64.4	63.4	64.5	64.5	65.6
1936	63.8	62.6	66.9	66.3	67.7	66.6	65.8	64.7	64.9	64.0	63.8	65.4	65.2
1937	62.0	65.4	64.5	67.0	67.3	67.3	66.1	66.1	66.3	65.2	66.7	64.3	65.7
1938	65.8	63.2	67.3	68.0	65.9	67.5	66.3	65.5	65.0	66.0	65.2	66.1	66.0
1939	67.2	66.4	65.5	67.1	67.3	66.5	66.3	64.6	64.4	64.4	66.1	66.2	66.0
Mean	65.0	65.8	66.3	67.3	67.3	67.0	66.5	65.8	65.3	65.0	65.1	65.5	66.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 150° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.3	66.9	67.6	68.6	67.3	66.9	67.2	65.9	66.5	65.8	63.1	63.3	66.1
1930	62.2	67.9	67.0	67.5	69.2	67.1	66.2	66.1	65.8	65.3	64.9	68.4	66.5
1931	69.5	70.0	69.2	66.5	96.7	67.7	66.0	66.4	65.4	65.8	65.4	64.8	67.0
1932	67.8	64.6	67.0	68.7	68.0	68.0	67.2	66.7	65.6	65.9	66.8	67.3	67.0
1933	67.6	67.2	68.2	67.3	69.0	68.1	68.0	67.9	67.4	66.1	66.5	67.3	67.6
1934	68.0	67.2	65.7	65.5	67.1	67.7	66.9	66.6	63.0	65.5	66.7	66.7	66.4
1935	64.1	68.8	65.8	67.2	68.3	67.0	66.7	65.8	64.9	63.2	65.4	65.8	66.1
1936	64.7	62.7	67.1	66.1	67.3	66.5	65.8	65.3	65.2	65.0	64.4	65.6	65.5
1937	63.9	66.1	65.5	67.7	67.8	67.4	66.8	66.5	66.3	65.5	67.2	64.5	66.3
1938	66.7	65.1	67.6	68.2	66.0	68.2	66.5	65.8	66.2	66.1	64.6	66.5	66.5
1939	67.8	68.9	67.2	67.4	68.1	67.3	66.4	64.7	64.5	65.7	66.1	66.6	66.7
Mean	66.1	66.9	67.1	67.3	67.7	67.4	66.7	66.2	65.5	65.4	65.6	66.1	66.5

Lat. 20° N. Long. 140° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.8	68.9	69.2	69.9	67.8	67.6	67.7	66.1	66.8	66.0	65.3	64.8	67.2
1930	65.3	68.7	67.5	66.9	69.2	67.9	66.4	66.4	66.3	65.2	66.1	68.6	67.0
1931	70.4	69.5	69.6	65.9	66.3	67.4	64.9	65.9	65.1	66.2	66.1	65.7	66.9
1932	69.5	66.7	67.9	68.6	68.3	67.9	66.7	65.9	66.3	66.4	67.4	68.7	67.5
1933	68.2	70.3	68.8	68.3	69.7	68.4	66.9	66.6	66.8	66.4	68.6	69.0	68.2
1934	69.2	67.1	66.4	65.7	67.1	67.9	67.0	67.3	64.9	65.9	66.4	67.5	66.9
1935	65.6	69.9	67.5	67.2	68.6	67.4	67.3	65.6	65.2	64.3	66.7	67.5	66.9
1936	65.5	64.3	67.4	66.0	66.7	66.5	65.5	65.4	64.9	66.3	65.5	65.9	65.8
1937	66.1	67.1	66.1	68.3	68.6	67.4	66.8	66.5	66.3	66.7	68.7	64.9	67.0
1938	68.4	66.5	68.4	68.1	66.6	68.1	67.0	65.6	66.3	66.6	65.3	67.3	67.0
1939	68.6	71.1	67.6	67.5	67.4	66.9	66.0	65.1	64.4	66.0	66.7	68.1	67.1
Mean	67.5	68.2	67.9	67.5	67.8	67.6	66.6	66.0	65.8	66.0	66.6	67.1	67.1

Lat. 20° N. Long. 130° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.9	68.9	69.1	70.1	67.3	67.5	67.2	65.5	65.8	65.8	66.1	66.3	67.2
1930	67.0	69.1	67.0	66.6	67.8	67.2	65.6	65.5	65.5	63.8	66.7	68.1	66.7
1931	69.3	68.1	67.9	64.7	65.3	63.6	63.3	65.2	64.3	65.4	65.9	66.6	65.8
1932	68.8	67.8	68.1	66.7	67.5	66.5	65.5	64.1	65.9	65.9	67.3	68.6	66.9
1933	67.6	70.2	68.5	67.7	69.0	67.4	65.4	64.9	64.8	65.9	68.6	68.7	67.4
1934	69.1	67.1	67.5	67.1	66.5	67.2	65.9	66.5	64.6	66.2	66.5	66.7	66.7
1935	66.7	70.4	68.6	66.6	67.3	66.2	66.4	64.3	64.6	64.6	66.6	67.7	66.7
1936	65.1	65.7	66.8	66.6	65.0	63.0	64.8	64.6	63.8	65.5	65.6	65.6	65.2
1937	67.1	68.9	66.1	67.7	67.3	66.5	65.8	65.5	64.7	66.5	69.6	65.4	66.8
1938	68.6	67.5	68.5	66.9	66.1	66.1	66.3	64.9	64.6	66.4	65.9	67.6	66.6
1939	68.6	71.0	67.4	66.9	66.6	65.1	65.0	64.4	63.5	65.2	66.4	68.9	66.6
Mean	67.7	68.6	67.8	67.1	66.9	66.0	65.6	65.0	64.7	65.6	66.8	67.3	66.6

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 120° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.4	66.8	66.7	67.9	64.6	64.8	65.0	63.0	62.9	64.0	64.0	65.0	65.0
1930	66.5	67.1	66.6	64.9	65.0	64.6	63.5	64.0	63.2	62.2	64.3	66.7	64.9
1931	67.5	65.5	65.4	63.4	64.2	63.7	61.3	63.3	62.5	63.9	64.6	65.7	64.3
1932	66.4	66.6	67.3	63.6	65.6	63.4	63.3	61.4	63.9	64.2	66.0	67.0	64.9
1933	66.1	67.6	66.7	65.3	66.8	65.2	63.1	62.5	61.9	64.2	65.8	67.2	65.2
1934	67.7	66.6	66.0	66.1	64.6	64.9	63.7	64.0	62.1	65.1	65.6	64.9	65.1
1935	66.0	67.8	67.1	65.2	64.4	63.4	64.6	61.8	63.0	64.0	65.4	66.2	64.9
1936	64.1	65.2	64.9	66.7	64.2	60.4	...	...	61.5	63.6	64.0	64.8	63.8
1937	65.8	68.9	65.5	65.3	64.3	64.0	63.3	63.0	62.4	64.3	67.2	65.1	64.9
1938	66.5	67.8	67.2	64.8	64.0	62.7	64.1	62.9	62.0	64.2	64.5	66.6	64.8
1939	66.9	68.5	66.1	65.1	64.5	62.4	64.1	62.9	61.8	63.3	64.7	66.8	64.8
Mean	66.3	67.1	66.3	65.3	64.7	63.6	63.6	62.9	62.5	63.9	65.1	66.0	64.8

Lat. 20° N. Long. 110° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.6	63.8	63.8	63.7	62.2	61.6	62.9	60.9	59.1	62.2	62.5	63.6	62.5
1930	64.6	64.6	63.7	63.2	62.4	61.2	61.2	62.2	61.3	59.1	62.9	63.4	62.5
1931	64.5	63.2	63.3	62.5	62.3	61.8	59.8	61.6	60.5	62.4	63.4	63.7	62.4
1932	64.3	64.3	64.1	61.7	62.7	60.4	62.1	59.9	61.9	62.3	63.4	64.3	62.6
1933	64.4	64.5	63.8	62.7	62.9	62.8	61.3	60.1	59.4	62.0	63.6	65.5	62.8
1934	65.1	65.6	64.5	63.6	62.5	61.8	62.0	62.8	59.8	62.8	63.6	63.4	63.1
1935	64.2	65.2	64.2	62.7	62.0	61.1	62.3	59.6	61.0	62.1	63.8	64.0	62.7
1936	63.2	63.8	62.6	63.6	61.5	57.7	60.6	60.7	59.6	61.6	63.0	63.7	61.8
1937	63.2	64.6	62.9	62.0	61.8	61.8	61.3	61.6	60.0	60.8	63.8	63.3	62.3
1938	64.0	64.7	64.1	62.7	62.2	61.2	62.5	61.5	60.4	62.2	62.7	64.3	62.7
1939	65.0	65.2	63.6	62.8	61.9	61.0	62.1	61.1	59.5	61.6	63.2	63.8	62.6
Mean	64.2	64.5	63.7	62.8	62.2	61.1	61.6	61.1	60.2	61.7	63.3	63.9	62.5

Lat. 20° N. Long. 100° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.1	62.8	62.1	61.4	62.0	60.8	63.2	62.7	60.1	62.3	63.6	65.6	62.6
1930	65.5	64.8	63.0	62.5	61.6	61.3	63.6	63.6	61.9	60.4	65.0	65.4	63.2
1931	65.1	63.8	63.2	63.2	61.6	62.3	60.4	63.8	61.9	63.0	64.1	64.1	63.0
1932	64.6	64.0	62.3	61.7	62.5	60.0	62.6	61.1	61.4	61.9	65.2	64.6	62.7
1933	64.4	64.4	63.0	61.3	59.7	62.8	61.6	60.5	58.7	62.4	65.6	65.9	62.5
1934	65.3	65.9	65.1	62.8	61.6	60.4	63.0	63.6	61.3	63.8	63.4	65.5	63.5
1935	65.3	66.2	63.3	60.9	60.8	60.7	61.2	61.5	61.2	62.9	64.8	64.7	62.8
1936	63.9	63.2	62.1	63.6	60.9	60.2	61.6	61.6	60.9	63.1	65.5	65.2	62.7
1937	63.3	64.3	62.3	61.0	61.5	62.5	62.7	62.6	62.0	62.6	64.4	64.7	62.8
1938	65.2	66.0	63.2	62.6	61.4	62.3	63.0	62.7	62.3	63.9	64.1	64.9	63.5
1939	65.3	64.1	64.0	62.5	61.2	61.3	...	...	...	...	...	...	...
Mean	64.7	64.5	63.1	62.1	61.3	61.3	62.3	62.4	61.2	62.6	64.6	65.1	62.9

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 90° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.1	64.4	63.5	63.4	64.2	62.4	65.2	64.2	60.5	62.6	63.8	67.6	64.0
1930	67.3	66.5	63.8	64.2	63.0	62.6	65.0	64.6	62.7	61.7	66.6	66.8	64.6
1931	67.2	64.8	64.7	64.7	62.5	63.2	62.4	64.7	62.6	63.4	65.4	64.6	64.2
1932	66.1	65.9	64.1	63.5	63.5	62.3	64.0	62.4	62.5	61.5	66.9	66.5	64.1
1933	66.3	66.7	64.6	61.7	60.3	63.7	63.0	61.9	58.7	62.6	67.0	67.6	63.7
1934	66.9	67.6	66.4	63.5	62.7	60.5	64.6	64.8	63.3	63.9	65.0	67.5	64.7
1935	67.5	68.1	65.5	62.1	62.4	62.8	63.8	63.0	62.1	63.9	66.2	66.9	64.5
1936	65.0	64.2	62.7	64.9	61.8	60.7	63.2	62.5	62.1	63.4	66.2	66.6	63.6
1937	64.3	64.6	63.2	63.0	62.9	63.3	64.5	63.9	63.0	63.2	65.5	66.8	64.0
1938	67.4	68.4	64.6	64.1	62.9	64.6	64.9	63.7	63.1	64.1	65.4	67.6	65.1
1939	66.6	64.9	66.0	63.4	62.5	63.3	...	...	...	...	...	...	...
Mean	66.4	66.0	64.5	63.5	62.6	62.7	64.1	63.6	62.1	63.0	65.8	66.9	64.3

Lat. 20° N. Long. 80° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.0	66.3	66.5	65.8	66.2	64.6	66.7	64.7	62.2	62.3	64.1	66.9	65.3
1930	67.6	66.7	64.5	65.1	65.1	64.2	66.1	65.0	63.5	62.6	65.6	66.1	65.2
1931	67.1	65.1	64.9	64.5	63.7	63.9	63.9	65.1	63.1	63.4	63.9	66.5	64.6
1932	67.8	67.1	63.3	64.1	63.9	64.2	65.0	63.4	62.6	62.4	62.9	67.0	64.5
1933	66.8	67.9	66.3	63.7	63.5	63.2	64.6	62.9	61.6	60.4	64.2	67.8	64.4
1934	67.7	68.1	68.1	63.6	65.3	64.0	65.6	65.6	63.6	63.1	64.4	66.6	65.5
1935	67.2	67.9	67.5	64.2	64.9	64.8	65.0	64.2	62.4	62.1	65.1	67.0	65.2
1936	65.8	65.6	64.4	65.8	62.5	62.4	64.6	63.3	63.1	63.5	64.1	65.6	64.2
1937	66.1	66.4	64.2	64.7	63.4	64.5	65.5	64.5	62.8	62.9	63.0	65.7	64.5
1938	67.9	68.4	67.3	66.0	64.5	66.1	66.2	63.7	63.4	62.9	63.4	65.8	65.5
1939	67.5	67.2	67.3	65.9	64.4	65.1	...	...	...	...	...	...	...
Mean	67.1	67.0	65.8	64.9	64.3	64.3	65.3	64.2	62.8	62.6	64.1	66.5	64.9

Lat. 20° N. Long. 70° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.8	68.2	68.3	68.2	68.9	67.4	68.8	66.7	64.5	64.5	65.7	68.4	67.4
1930	69.5	67.8	66.8	67.5	67.4	66.4	67.7	66.8	65.5	64.5	65.4	66.3	66.8
1931	68.0	66.0	66.1	65.7	64.8	66.1	65.9	66.9	65.0	64.7	64.1	68.0	65.9
1932	68.6	67.8	65.9	65.3	64.6	66.1	66.5	64.6	63.3	63.6	63.1	67.0	65.5
1933	67.6	69.1	67.4	65.0	65.5	64.9	66.3	64.8	63.4	62.3	63.6	67.8	65.6
1934	68.3	68.0	68.0	67.1	66.3	66.7	67.1	67.0	64.8	64.2	63.3	67.3	66.5
1935	66.9	68.1	68.9	65.8	69.5	66.4	66.9	64.9	64.7	64.0	65.0	66.8	66.5
1936	67.5	67.4	65.6	67.1	63.8	64.9	66.8	64.8	64.0	64.6	64.8	66.0	65.0
1937	68.7	67.5	65.5	66.3	64.8	66.9	67.1	65.5	63.7	63.5	62.9	65.6	65.7
1938	68.4	68.9	68.7	67.3	66.2	68.0	67.8	66.0	64.8	63.6	64.2	65.7	66.6
1939	69.1	69.1	68.4	67.9	66.3	67.3	...	...	...	...	...	...	...
Mean	68.3	68.0	67.2	66.7	66.2	66.5	67.1	65.8	64.4	64.0	64.2	66.9	66.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 60° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.8	69.3	70.1	70.0	70.6	70.4	70.8	68.1	65.8	65.4	66.0	69.3	68.8
1930	71.1	68.5	68.2	69.8	69.3	68.6	69.5	67.5	66.7	65.7	65.1	67.3	68.1
1931	67.6	66.4	67.2	66.7	66.7	68.7	67.3	68.4	65.7	65.6	65.0	68.7	67.0
1932	68.4	69.1	67.1	66.6	66.6	67.9	68.3	65.9	64.5	64.5	65.0	66.9	66.7
1933	68.3	69.9	68.8	66.7	67.4	67.4	67.9	66.2	64.9	63.8	65.3	67.9	67.0
1934	69.2	69.3	69.2	69.3	68.2	68.6	69.1	68.4	66.0	65.5	63.8	68.6	67.9
1935	66.9	69.8	69.9	67.0	68.3	67.9	68.9	66.1	67.0	65.0	65.1	68.5	67.5
1936	69.1	68.7	66.7	69.1	65.7	67.6	69.3	66.2	65.1	66.1	66.1	66.4	67.2
1937	70.0	68.6	67.7	68.3	66.9	69.0	68.4	67.1	63.7	64.5	64.4	66.2	67.1
1938	69.3	70.0	69.5	68.6	68.1	70.5	69.4	66.9	65.8	65.1	65.7	67.2	68.0
1939	70.5	70.5	69.8	70.9	69.2	69.8	...	...	...	...	...	...	...
Mean	69.1	69.1	68.6	68.5	67.9	68.8	68.9	67.1	65.5	65.1	65.2	67.7	67.6

Lat. 20° N. Long. 50° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	69.3	70.1	70.6	70.1	72.1	71.9	71.8	69.2	67.5	66.8	66.6	69.7	69.6
1930	72.4	69.0	69.8	71.7	70.8	70.5	70.8	68.3	67.8	66.9	65.8	69.1	69.4
1931	68.1	67.3	68.5	67.1	68.8	70.4	67.9	69.7	66.9	66.9	66.1	68.4	68.0
1932	69.1	68.8	67.3	67.6	68.4	69.3	69.5	67.4	65.7	65.5	65.6	66.7	67.6
1933	69.1	68.8	70.0	68.0	68.7	69.0	69.2	67.6	66.5	64.8	66.5	68.8	68.1
1934	69.9	70.5	70.1	69.7	69.5	70.0	70.2	69.1	66.9	64.5	65.4	69.7	68.8
1935	66.3	70.6	69.9	67.5	69.7	69.3	70.2	67.4	68.1	66.4	67.2	70.1	68.6
1936	69.8	68.9	66.7	70.1	67.6	69.5	70.4	66.9	67.3	66.9	67.2	66.5	68.2
1937	70.0	68.6	69.4	69.7	68.8	69.9	69.4	67.7	64.7	65.2	65.1	66.3	67.9
1938	68.7	68.5	70.0	67.9	69.1	71.9	70.7	68.4	67.7	67.6	66.7	68.5	68.8
1939	71.3	70.0	70.2	72.0	70.5	70.7	...	...	...	...	...	...	...
Mean	69.5	69.2	69.3	69.2	69.5	70.2	70.0	68.2	66.9	66.2	66.2	68.4	68.6

Lat. 20° N. Long. 40° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	68.3	70.3	69.5	69.5	71.9	71.6	71.2	68.9	67.9	68.1	68.4	70.1	69.6
1930	72.7	69.5	70.5	72.3	71.6	71.3	70.8	68.4	68.1	67.1	67.9	70.4	70.1
1931	69.2	68.7	69.3	67.9	69.7	71.3	68.6	70.0	67.7	67.6	67.6	68.2	68.8
1932	70.1	69.2	68.7	68.7	69.2	69.7	69.8	68.1	67.2	67.0	66.1	68.2	68.5
1933	69.3	68.0	70.5	68.3	69.4	69.7	69.3	67.9	66.7	64.9	67.2	69.8	68.4
1934	70.4	71.0	70.5	70.1	69.4	70.1	69.9	69.0	67.1	67.3	66.5	69.7	69.3
1935	66.0	70.8	69.4	68.0	70.3	69.7	70.4	67.5	68.1	67.6	68.6	70.5	68.9
1936	69.5	68.4	66.9	69.8	67.5	70.1	70.1	67.4	67.2	67.3	67.3	67.0	68.2
1937	70.0	68.6	70.3	69.7	69.2	69.8	69.0	67.7	66.7	66.5	65.5	66.0	68.3
1938	68.9	67.4	70.7	66.9	69.8	71.7	70.8	68.3	68.2	68.8	67.3	69.5	69.0
1939	70.9	69.8	69.1	70.7	70.1	70.7	...	...	...	...	...	...	...
Mean	69.6	69.2	69.6	69.3	69.8	70.5	70.0	68.3	67.5	67.2	67.2	68.9	68.9

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 30° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.0	69.5	67.4	67.9	70.4	69.3	68.2	66.8	67.1	68.1	68.5	69.5	68.1
1930	71.5	69.1	68.8	70.3	70.4	70.1	69.0	67.8	67.2	66.8	68.0	69.8	69.0
1931	70.2	69.9	69.1	68.0	69.2	70.2	67.0	69.0	67.4	67.5	67.4	68.5	68.6
1932	69.8	68.5	68.2	68.4	69.7	69.7	68.7	67.1	66.8	67.5	66.5	68.9	68.3
1933	68.5	67.1	70.0	67.7	69.0	68.8	67.9	66.4	66.0	65.2	67.2	69.4	67.8
1934	69.9	69.5	70.3	69.3	68.5	69.0	68.2	67.5	66.5	67.3	66.5	69.5	68.5
1935	67.1	70.8	68.4	67.8	69.5	69.1	69.3	66.4	67.1	67.4	68.5	68.7	68.3
1936	68.8	67.7	67.4	69.0	67.0	69.4	68.7	66.3	66.2	67.2	66.9	66.4	67.6
1937	69.7	67.5	69.4	68.3	67.9	68.8	67.4	65.8	66.0	66.5	65.6	65.9	67.4
1938	69.7	66.6	69.7	65.2	68.5	70.6	69.4	66.5	67.4	68.2	67.3	69.4	68.2
1939	70.2	70.8	67.7	68.9	68.4	69.7	...	...	...	...	...	...	...
Mean	69.3	68.8	68.8	68.3	69.0	69.5	68.4	66.9	66.8	67.2	67.2	68.6	68.2

Lat. 20° N. Long. 20° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.4	66.7	65.6	65.7	66.9	66.2	64.5	64.3	64.6	65.9	66.9	68.0	66.0
1930	69.1	67.4	66.4	66.6	67.5	66.7	65.3	64.5	65.5	65.5	66.3	67.1	66.5
1931	69.5	68.5	66.5	65.7	66.5	67.3	64.8	65.7	65.3	66.2	66.1	67.3	66.6
1932	69.1	66.9	66.9	66.1	67.7	67.5	66.0	64.7	65.4	66.1	65.7	68.2	66.7
1933	66.6	65.6	67.3	65.3	66.8	65.8	65.1	63.8	65.1	64.7	65.7	68.3	65.8
1934	68.9	66.9	67.8	67.8	66.5	67.4	65.8	65.5	64.6	65.9	65.9	68.3	66.8
1935	67.8	69.9	66.4	66.3	67.4	67.3	67.1	64.4	65.5	66.1	67.4	67.1	66.9
1936	68.0	66.8	67.2	67.3	66.5	67.4	66.4	64.3	64.7	66.5	66.6	67.6	66.6
1937	69.0	67.1	67.1	66.0	65.4	66.5	64.5	63.5	64.0	65.5	65.3	65.8	65.8
1938	68.4	66.6	66.5	63.8	66.0	67.9	66.7	64.0	65.3	65.9	66.5	68.4	66.3
1939	68.0	69.6	66.0	66.3	65.5	67.1	...	...	...	...	...	...	...
Mean	68.3	67.5	66.7	66.1	66.6	67.0	65.6	64.5	65.0	65.8	66.2	67.6	66.4

Lat. 20° N. Long. 10° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.6	64.6	63.3	62.6	62.2	62.3	60.2	60.4	60.0	62.7	64.9	66.5	63.0
1930	66.3	65.0	63.6	62.8	63.6	59.6	59.3	61.5	63.1	62.8	63.0	64.1	62.9
1931	65.9	66.0	64.3	62.9	61.3	63.6	61.8	62.2	62.7	63.5	63.6	65.1	63.6
1932	68.3	64.8	64.7	62.5	63.0	62.7	60.9	61.8	63.0	62.9	63.1	64.5	63.5
1933	64.6	62.9	62.8	61.0	61.6	60.5	62.8	61.1	62.7	63.4	64.0	66.1	62.8
1934	67.3	65.6	64.6	63.3	61.7	62.8	61.4	60.5	62.8	63.5	63.8	65.1	63.5
1935	66.2	67.9	64.1	62.6	63.2	63.5	63.4	62.3	63.3	64.2	65.8	66.6	64.4
1936	66.7	65.1	65.8	63.5	63.8	63.8	63.4	62.4	63.6	65.1	66.0	68.0	64.9
1937	68.4	66.1	64.8	63.8	63.1	63.6	62.1	61.0	61.9	64.5	66.6	67.3	64.4
1938	68.6	67.1	65.4	61.5	63.5	64.3	63.5	61.1	61.8	63.2	65.7	66.8	64.4
1939	67.0	66.6	64.2	62.8	61.4	62.7	...	...	...	...	...	...	...
Mean	66.9	65.6	64.3	62.7	62.6	62.7	61.9	61.4	62.5	63.6	64.7	66.0	63.7

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 0°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.2	63.7	61.6	61.0	58.8	59.3	56.2	58.4	58.4	62.0	64.4	65.7	61.4
1930	65.2	63.5	61.5	60.2	59.5	54.2	53.8	58.5	60.9	61.0	60.8	62.6	60.1
1931	63.5	64.7	62.2	60.7	58.0	61.0	58.5	59.1	59.8	60.7	62.2	64.8	61.3
1932	68.1	63.7	63.8	60.0	55.4	59.2	58.0	57.0	61.2	58.4	59.9	61.2	60.5
1933	62.8	60.2	60.0	57.7	56.7	55.7	58.7	57.6	59.2	62.2	62.5	64.5	59.8
1934	66.3	66.0	61.8	59.0	59.2	57.9	56.6	55.9	60.6	60.9	61.2	63.7	60.8
1935	64.6	65.8	62.7	61.4	59.1	59.2	59.2	58.8	60.3	61.6	63.9	65.3	61.8
1936	66.2	64.0	63.4	61.4	59.9	59.0	60.0	60.7	62.8	63.1	64.0	67.3	62.7
1937	68.1	64.6	64.2	62.1	61.8	60.6	59.3	58.6	60.7	63.0	67.8	69.8	63.4
1938	70.2	68.7	66.1	60.1	61.6	61.9	60.5	58.9	58.4	62.4	65.5	67.3	63.5
1939	69.0	...	...	...	59.1	...	...	...	...	...	...	...	...
Mean	66.5	64.5	62.7	60.4	59.0	58.8	58.1	58.4	60.2	61.5	63.2	65.2	61.5

Lat. 20° N. Long. 10° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.3	63.6	61.5	61.6	57.7	59.6	57.9	57.8	58.3	62.4	...	65.5	61.4
1930	65.7	63.5	62.3	...	59.8	54.6	53.6	57.4	59.4	60.6	62.1	62.5	60.2
1931	65.3	64.1	61.1	60.1	58.2	59.1	58.0	58.5	59.0	61.4	62.8	65.8	61.1
1932	68.2	65.0	63.8	59.7	59.5	58.9	58.7	55.2	59.6	55.4	58.3	58.7	60.1
1933	60.7	58.5	58.5	56.7	56.9	55.5	57.1	57.3	58.0	64.1	63.5	64.8	59.3
1934	67.8	66.9	62.7	60.3	59.9	59.2	57.4	57.7	60.6	61.4	61.8	65.2	61.7
1935	64.4	65.5	62.6	61.8	...	56.3	58.2	58.1	58.6	59.6	65.2	65.0	61.2
1936	66.4	64.1	62.0	61.9	56.0	56.8	58.9	59.8	63.0	62.3	63.0	67.1	61.8
1937	68.7	62.2	64.2	61.1	61.3	60.6	58.9	59.3	60.8	62.5	68.1	70.4	63.3
1938	70.9	68.6	66.5	60.9	...	62.4	60.3	59.7	60.0	63.8	66.3	66.9	63.8
1939	69.0	...	...	...	...	...	...	...	...	...	...	...	...
Mean	66.8	64.3	62.5	60.5	58.7	58.3	57.9	58.1	59.7	61.4	63.5	65.2	61.4

Lat. 20° N. Long. 20° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.4	63.8	62.4	61.3	57.7	59.9	58.6	58.0	58.5	61.9	64.6	65.7	61.7
1930	67.0	64.6	64.0	59.6	59.0	55.6	54.7	57.3	59.4	61.8	64.2	63.8	60.9
1931	67.7	65.2	60.0	60.9	58.6	58.4	58.0	58.4	59.7	63.1	64.2	67.1	61.8
1932	68.5	66.1	63.6	60.5	61.0	59.8	58.3	55.5	60.0	59.2	58.7	60.9	61.0
1933	64.2	58.6	58.7	58.0	58.9	57.3	58.2	58.1	61.5	65.1	65.0	66.5	60.8
1934	69.5	67.6	63.3	61.3	60.8	59.7	58.3	59.1	61.3	62.4	63.6	67.1	62.8
1935	65.3	66.9	63.3	62.0	...	58.0	58.4	58.5	59.8	61.5	63.1	65.8	61.9
1936	67.4	64.6	62.5	60.5	59.2	58.8	58.6	59.4	62.4	63.0	64.0	67.6	62.3
1937	70.0	62.9	63.2	60.0	61.0	60.1	58.7	59.7	60.4	61.4	66.5	68.5	62.7
1938	69.3	67.3	66.2	61.1	61.0	61.7	59.4	58.7	60.2	63.8	66.6	65.8	63.4
1939	68.0	65.2	...	...	58.9	...	...	...	...	...	...	...	...
Mean	67.7	64.8	62.7	60.5	59.6	58.9	58.1	58.3	60.3	62.3	64.1	65.9	61.9



## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 30° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.6	63.9	63.4	60.6	57.8	58.1	58.2	58.0	58.8	61.5	63.9	66.4	61.4
1930	67.7	65.6	64.2	60.7	59.8	57.3	57.3	57.9	59.6	61.6	65.8	65.1	61.9
1931	66.3	64.8	59.6	60.8	59.2	58.4	56.9	57.5	59.0	62.2	63.8	67.0	61.3
1932	68.2	65.4	63.5	61.3	60.9	58.6	56.6	54.7	59.1	59.8	59.4	63.4	60.9
1933	61.5	59.2	58.5	58.3	59.4	57.2	57.9	58.0	60.4	62.0	63.0	65.3	60.1
1934	67.7	67.2	62.0	60.3	58.9	58.2	57.4	58.3	59.6	61.3	63.4	66.4	61.7
1935	65.6	66.4	61.2	...	...	57.5	58.2	57.6	59.1	61.1	65.3	66.2	61.4
1936	67.4	64.0	62.0	61.3	58.1	58.6	57.8	58.3	60.3	61.2	63.6	66.6	61.6
1937	68.4	62.1	60.0	58.7	59.3	57.6	57.1	57.7	58.7	60.3	63.8	65.8	60.8
1938	65.8	64.4	63.8	59.2	58.3	58.5	57.4	56.1	59.3	62.0	64.9	64.2	61.2
1939	64.8	63.1	60.7	57.7	57.5	58.1	...	...	...	...	...	...	...
Mean	66.4	64.2	61.7	59.9	58.9	58.0	57.5	57.4	59.4	61.3	63.7	65.6	61.3

Lat. 20° N. Long. 40° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.0	62.8	61.9	59.9	57.3	55.4	55.5	56.0	56.1	60.9	62.2	64.6	59.8
1930	65.4	63.3	61.9	59.7	58.6	54.7	54.6	55.2	59.0	61.5	63.4	64.3	60.1
1931	64.0	62.2	61.1	59.4	56.8	56.1	53.9	54.9	56.9	60.3	62.2	65.2	59.4
1932	66.1	64.6	61.0	60.3	58.5	56.1	54.0	53.1	56.3	59.9	61.5	63.1	59.5
1933	62.3	60.6	58.8	57.7	58.7	55.6	55.2	55.8	56.8	59.9	64.2	63.7	59.1
1934	64.1	64.0	61.8	59.3	58.5	55.5	54.2	55.2	56.7	60.9	63.1	63.8	59.3
1935	64.1	63.2	...	59.7	...	55.8	54.6	54.5	56.6	60.2	63.9	63.9	57.9
1936	66.0	62.7	62.0	59.6	57.2	56.4	54.8	55.4	56.8	61.5	62.9	63.9	59.9
1937	64.3	60.0	58.7	58.0	58.2	54.2	53.9	54.5	56.3	59.7	62.1	64.1	58.7
1938	62.7	61.9	60.1	57.0	54.8	54.9	54.6	53.2	55.9	59.5	62.1	62.4	58.3
1939	62.2	59.7	59.5	58.2	57.0	55.4	...	...	...	...	...	...	...
Mean	64.2	62.8	60.7	59.0	57.6	55.5	54.5	54.8	56.7	60.4	62.8	63.9	59.4

Lat. 20° N. Long. 50° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.0	64.9	64.0	60.9	55.7	49.6	48.5	51.4	63.8	61.1	63.7	65.1	58.8
1930	65.7	64.0	63.0	60.0	56.7	48.4	48.5	52.5	57.6	62.5	64.8	66.2	59.2
1931	66.4	65.7	63.2	...	54.5	53.9	49.3	48.6	55.8	60.5	64.3	66.9	59.1
1932	70.1	65.6	62.8	60.3	57.8	54.1	49.5	50.7	55.1	59.9	64.9	68.8	60.0
1933	67.2	63.5	62.0	59.0	56.3	52.8	50.5	52.1	54.6	60.1	66.2	65.4	59.1
1934	66.7	63.5	63.2	59.1	58.2	52.4	50.1	50.6	54.2	61.7	64.6	64.8	59.1
1935	65.6	63.5	62.0	60.2	57.5	53.6	50.0	50.6	54.2	60.1	...	65.4	59.0
1936	67.9	64.0	63.1	60.0	51.8	52.6	50.2	53.0	55.1	63.5	65.1	65.8	59.3
1937	66.8	63.2	63.2	...	58.0	52.1	50.3	50.3	54.7	61.5	64.8	66.7	59.3
1938	65.5	64.4	61.0	59.1	...	...	...	49.7	52.9	...	64.2	66.6	...
1939	66.0	62.2	61.4	60.1	56.2	50.4	...	...	...	...	...	...	...
Mean	66.8	64.0	62.6	59.9	56.3	52.0	49.7	51.0	54.8	61.2	64.7	66.2	59.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 60° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	67.0	65.2	63.4	60.8	56.8	51.5	49.8	53.7	57.2	61.9	64.1	65.3	59.7
1930	66.2	64.6	63.4	60.7	56.9	49.4	49.1	53.5	57.6	62.5	64.7	66.3	59.6
1931	66.4	66.7	62.9	...	55.4	53.6	50.9	49.6	57.4	61.6	64.6	65.6	59.6
1932	68.2	65.8	63.5	61.3	58.0	54.7	48.6	52.2	56.0	60.1	63.4	66.1	59.8
1933	66.3	63.0	62.3	59.7	56.4	52.7	51.5	54.2	56.0	60.5	64.7	63.3	59.2
1934	67.0	63.9	63.1	59.8	58.5	51.9	51.4	52.4	56.4	62.4	64.3	64.0	59.6
1935	65.6	64.6	63.1	61.0	58.0	53.2	50.4	53.6	55.8	61.9	64.7	65.8	59.8
1936	66.7	63.8	63.9	60.8	55.6	52.3	51.0	53.3	55.9	63.5	64.9	65.8	59.8
1937	66.5	63.9	63.2	60.0	61.5	52.0	50.6	52.6	57.0	61.9	64.0	66.0	59.9
1938	66.0	65.0	61.0	60.3	...	...	...	52.0	56.5	60.5	64.5	65.8	59.5
1939	66.6	63.3	62.6	60.7	57.3	50.5	...	...	...	...	...	...	...
Mean	66.7	64.5	62.9	60.5	57.4	52.2	50.5	52.8	56.6	61.7	64.4	65.4	59.6

Lat. 20° N. Long. 70° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.9	64.4	62.2	60.9	57.5	53.4	52.4	55.8	59.0	62.0	63.6	65.0	60.2
1930	65.3	65.7	62.5	60.1	58.1	53.2	53.6	55.6	58.7	61.6	64.8	65.8	60.4
1931	65.1	65.0	60.6	...	57.3	55.0	53.3	52.6	58.4	60.7	64.4	65.0	59.8
1932	67.1	64.6	63.3	61.1	57.3	55.8	51.3	54.1	56.9	60.7	60.3	63.2	59.6
1933	62.9	60.6	59.5	57.3	57.4	53.8	53.5	55.9	57.1	60.7	63.9	64.7	58.9
1934	65.2	63.9	62.4	59.9	59.4	53.4	53.9	55.2	58.3	62.6	64.1	65.0	60.3
1935	66.5	64.4	62.8	60.8	56.2	53.9	52.8	56.4	57.6	61.1	64.9	65.8	60.3
1936	65.5	63.6	63.5	61.1	55.8	53.5	53.7	55.4	57.6	62.5	63.5	64.9	60.1
1937	65.2	63.6	61.9	59.6	54.8	53.6	52.6	55.5	58.7	61.7	63.2	65.1	59.6
1938	65.9	64.9	60.8	60.1	55.1	52.7	53.7	54.9	58.2	60.3	64.3	64.3	59.4
1939	65.9	64.2	62.5	60.4	57.6	54.0	...	...	...	...	...	...	...
Mean	65.5	64.1	62.0	60.1	57.0	53.8	53.1	55.1	58.1	61.4	63.7	64.9	59.9

Lat. 20° N. Long. 80° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.9	65.0	61.9	60.0	54.0	50.8	50.8	53.6	57.3	61.4	65.1	66.2	59.3
1930	66.7	66.3	61.3	58.5	55.0	52.3	52.4	54.2	56.4	62.0	65.6	67.4	59.8
1931	66.9	64.8	57.0	58.1	54.2	52.5	52.3	51.4	56.0	59.7	65.5	67.1	58.8
1932	69.2	64.8	61.7	59.2	54.5	52.4	50.4	51.7	54.9	60.7	59.2	62.4	58.4
1933	62.1	58.5	56.8	53.3	56.5	51.8	52.6	54.5	55.9	60.0	65.0	65.9	57.7
1934	66.0	63.9	61.4	57.6	55.1	52.5	52.1	53.5	55.7	61.7	65.0	67.4	59.3
1935	67.3	64.2	61.7	59.0	53.9	51.9	51.0	54.8	55.2	60.9	65.8	66.5	59.4
1936	65.8	64.0	50.7	57.7	52.6	52.3	52.0	53.2	56.7	61.9	65.3	66.1	58.2
1937	69.7	63.9	61.0	58.8	54.9	50.8	50.6	53.9	58.7	61.3	64.6	66.0	59.4
1938	66.5	64.6	59.7	58.2	52.8	51.6	52.1	53.5	55.9	59.7	65.3	66.5	58.9
1939	67.1	65.1	61.6	58.0	53.7	52.2	...	...	...	...	...	...	...
Mean	66.7	64.1	59.5	58.0	54.3	51.9	51.6	53.4	56.1	60.9	64.6	66.2	58.9

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.5	63.8	62.9	60.1	55.9	51.6	49.7	52.9	57.5	61.1	63.6	65.1	59.1
1930	65.9	65.8	62.2	59.9	56.5	53.7	51.9	54.2	56.8	62.6	64.3	65.9	60.0
1931	65.9	64.7	60.4	59.5	56.5	53.5	53.8	52.2	57.1	60.9	64.4	65.1	59.5
1932	67.9	63.8	62.9	60.2	56.0	52.3	50.7	53.4	55.5	60.5	60.2	63.5	58.9
1933	63.4	60.9	58.4	56.7	57.1	52.7	52.6	55.0	56.5	60.2	63.3	64.5	58.4
1934	64.4	63.5	61.4	58.5	57.0	53.6	52.1	54.2	55.2	61.0	63.4	66.3	59.2
1935	66.4	61.7	62.0	59.6	55.2	53.6	52.2	55.9	55.4	60.1	63.9	65.6	59.3
1936	65.0	64.0	63.0	58.7	55.2	53.2	52.0	53.7	57.4	61.6	64.7	64.5	59.4
1937	64.8	63.9	60.6	59.3	56.7	51.1	51.3	53.2	56.3	60.6	63.0	64.0	58.7
1938	66.0	64.4	59.9	59.2	54.1	53.3	53.9	53.9	56.5	58.7	63.1	64.3	58.9
1939	66.2	64.4	61.3	58.8	54.9	52.6	...	...	...	...	...	...	...
Mean	65.6	63.7	61.4	59.1	55.9	52.8	52.0	53.9	56.4	60.7	63.4	64.9	59.2

Lat. 20° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.3	63.9	62.8	61.2	56.2	54.6	54.5	55.5	58.3	62.0	64.5	64.8	60.3
1930	66.0	65.6	62.7	58.2	57.7	56.1	54.1	55.3	58.5	62.9	65.4	66.1	60.7
1931	66.0	63.5	58.6	58.4	56.1	54.5	55.3	53.7	58.1	62.2	65.4	65.9	59.8
1932	68.7	65.0	64.0	60.1	56.8	54.2	53.6	53.8	57.7	61.9	60.9	63.4	60.0
1933	62.6	59.0	57.8	55.0	58.1	53.7	54.7	56.9	57.6	61.5	64.2	64.9	58.8
1934	66.1	64.2	61.6	59.6	56.7	56.4	54.6	56.1	56.3	62.0	64.0	67.2	60.4
1935	65.9	62.9	62.4	58.0	55.7	54.9	53.3	56.3	57.0	60.5	64.1	65.8	59.7
1936	66.0	63.8	64.1	58.5	57.0	55.3	54.6	54.8	58.7	63.4	65.0	64.9	60.5
1937	64.5	63.9	58.7	59.0	57.7	54.1	53.7	54.2	57.9	62.3	62.1	63.6	59.3
1938	65.7	63.0	59.6	58.3	56.4	55.4	54.4	53.9	55.2	58.9	63.4	63.7	59.0
1939	64.2	59.9	55.1	54.6	51.9	52.4	...	...	...	...	...	...	...
Mean	65.5	63.2	60.7	58.3	56.4	54.7	54.3	55.1	57.5	61.8	63.9	65.0	59.7

Lat. 20° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.4	65.6	65.5	62.3	56.7	54.0	51.8	53.0	57.3	61.5	65.5	65.0	60.4
1930	67.9	66.6	65.3	59.2	57.4	56.0	49.9	53.3	57.2	62.4	65.5	65.9	60.6
1931	65.5	64.7	63.2	59.4	56.0	53.6	54.5	49.6	57.8	61.5	63.6	67.0	59.7
1932	69.8	67.1	65.3	60.6	57.0	53.6	52.1	54.9	56.9	62.0	65.6	68.1	61.1
1933	70.0	63.4	63.3	59.3	59.0	52.2	53.9	55.7	56.5	61.0	64.9	64.8	60.3
1934	69.6	66.7	63.6	62.7	58.0	57.2	54.4	56.1	56.4	62.8	65.1	67.8	61.7
1935	66.6	64.9	63.1	58.5	56.9	54.8	51.1	53.8	55.2	60.8	64.6	67.4	59.8
1936	67.3	63.9	66.3	59.5	57.5	55.0	53.3	53.2	57.1	62.6	65.7	65.7	60.6
1937	65.2	65.7	59.7	60.7	58.7	53.9	50.3	51.9	57.9	61.9	64.7	65.4	59.7
1938	68.2	65.0	61.8	59.1	57.5	55.6	54.3	53.1	56.4	59.8	64.7	65.7	60.1
1939	67.7	66.0	60.4	60.1	55.8	54.4	...	...	...	...	...	...	...
Mean	67.7	65.4	63.4	60.1	57.3	54.6	52.6	53.5	58.9	61.6	65.0	66.3	60.5

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 120° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	66.4	65.8	66.3	63.3	59.5	56.7	54.8	55.9	58.8	61.5	65.5	65.2	61.6
1930	66.0	67.1	65.2	62.3	59.5	58.7	53.5	57.0	59.4	62.2	66.0	65.7	61.9
1931	66.0	65.3	64.8	63.0	59.5	57.6	58.6	53.2	58.0	61.0	62.3	66.7	61.3
1932	69.0	66.7	64.7	63.0	60.2	57.2	56.4	57.3	58.3	62.0	63.3	66.0	62.0
1933	66.9	64.2	64.6	62.3	61.0	57.5	56.5	58.3	57.9	61.2	63.7	64.2	61.5
1934	66.0	67.1	64.2	63.0	59.3	60.2	57.1	58.4	56.7	62.6	63.7	65.2	62.0
1935	67.0	65.4	63.8	61.3	59.4	57.7	55.0	55.5	57.4	61.7	63.4	66.0	61.1
1936	65.8	64.9	66.3	62.1	59.7	57.9	56.3	55.5	57.2	60.2	64.5	64.5	61.2
1937	64.2	65.0	61.3	61.7	59.9	56.0	55.2	55.5	59.7	61.6	63.4	64.2	60.6
1938	67.0	65.3	63.2	60.8	59.7	58.1	57.8	55.8	57.5	60.9	64.1	64.7	61.2
1939	67.1	66.2	63.2	62.1	58.6	58.1	...	...	...	...	...	...	...
Mean	65.6	65.7	64.3	62.3	59.7	57.8	56.1	56.2	58.1	61.5	64.0	65.2	61.4

Lat. 20° N. Long. 130° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	65.4	65.2	65.8	64.6	61.5	60.1	57.7	57.4	57.9	59.7	64.3	65.3	62.1
1930	65.1	67.5	65.3	64.3	62.1	61.3	56.5	56.6	60.0	62.6	66.4	65.8	62.8
1931	66.3	66.1	65.1	64.5	61.1	60.1	61.9	55.5	60.4	61.3	62.3	65.7	62.5
1932	67.5	66.0	66.5	64.3	62.9	60.2	59.5	58.5	59.3	62.6	62.9	64.6	62.9
1933	67.8	64.6	64.4	63.0	62.3	61.1	58.4	59.5	59.9	61.7	62.4	63.7	62.4
1934	65.8	66.5	64.6	62.2	60.1	61.9	59.8	57.8	58.2	60.4	64.0	63.5	62.1
1935	66.2	65.9	64.4	62.3	61.6	60.6	57.2	57.2	56.8	62.6	64.1	64.8	62.0
1936	65.4	65.0	66.2	63.9	61.5	60.3	59.7	57.5	57.3	58.2	61.6	64.5	61.8
1937	64.8	65.4	62.3	62.7	61.7	57.8	55.8	57.7	60.4	60.6	63.9	64.5	61.5
1938	66.7	66.0	64.9	62.4	61.1	59.8	59.5	55.1	57.2	59.6	62.9	64.3	61.6
1939	67.6	66.6	64.0	63.7	60.8	60.9	54.4	52.1	58.7	60.7	62.6	65.4	61.5
Mean	66.2	65.9	64.9	63.4	61.5	60.4	58.2	56.8	58.7	60.9	63.4	64.7	62.1

Lat. 20° N. Long. 140° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.5	64.3	65.9	65.3	64.2	62.3	60.6	60.1	61.8	61.1	62.7	64.2	63.1
1930	64.9	67.0	66.3	65.3	63.9	63.1	58.5	56.7	59.5	63.0	65.1	65.8	63.3
1931	66.7	66.5	65.2	65.6	62.7	61.8	63.3	58.4	61.9	62.5	62.8	64.8	63.5
1932	66.1	64.7	66.5	65.5	64.5	62.8	61.5	61.4	61.2	63.1	63.7	64.4	63.8
1933	66.7	64.7	64.4	64.3	63.2	62.9	61.1	61.1	62.2	62.9	61.2	63.2	63.2
1934	65.0	65.2	64.5	63.8	61.4	63.7	62.4	59.4	61.8	61.1	64.4	63.6	63.0
1935	64.8	65.9	65.4	63.1	63.2	62.6	59.3	58.8	57.3	62.2	64.0	63.8	62.5
1936	65.0	65.0	66.0	65.3	62.8	59.7	62.2	59.7	59.3	60.6	60.0	64.5	62.5
1937	64.8	66.1	62.6	64.0	63.5	60.2	59.6	60.6	62.1	61.9	64.6	64.3	62.9
1938	65.8	65.4	65.6	63.0	63.4	61.8	59.9	57.7	57.6	61.0	63.6	64.7	62.5
1939	66.3	66.3	65.1	64.7	62.7	63.1	57.5	53.8	59.2	61.4	62.3	64.1	62.2
Mean	65.5	65.6	65.2	64.6	63.2	62.2	60.5	58.9	60.4	61.9	63.1	64.3	63.0

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 20° N. Long. 150° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.0	64.0	66.0	66.3	66.3	64.0	62.9	62.7	64.4	63.4	64.2	64.1	64.4
1930	64.8	66.4	67.0	66.3	65.6	64.9	61.1	59.3	60.5	64.7	64.1	66.2	64.2
1931	67.3	67.4	65.5	66.8	64.5	63.4	63.6	61.7	63.1	63.7	63.8	64.5	64.6
1932	65.5	63.8	66.5	65.8	65.7	62.7	61.8	63.3	63.0	64.6	64.5	64.6	64.3
1933	66.3	64.6	64.6	65.0	64.5	63.7	62.9	62.3	64.7	64.4	64.0	63.4	64.2
1934	64.5	63.9	65.3	65.0	63.3	65.3	63.9	61.7	64.0	63.4	65.1	64.7	64.2
1935	64.3	66.4	65.7	63.8	64.6	63.9	62.9	61.2	60.2	62.4	64.2	64.0	63.6
1936	65.0	64.7	66.6	66.8	64.9	61.1	56.9	60.9	61.8	64.1	62.4	65.0	63.4
1937	64.8	66.4	63.5	65.0	65.6	62.8	62.6	63.2	64.5	63.9	64.9	64.5	64.3
1938	65.4	64.2	66.5	65.4	64.6	63.8	60.3	61.0	60.0	63.3	64.8	65.1	63.7
1939	65.2	66.1	65.4	65.7	63.6	64.6	59.6	57.4	60.8	62.2	61.9	63.1	63.0
Mean	65.2	65.3	65.7	65.6	64.8	63.7	61.7	61.3	62.5	63.6	64.0	64.5	64.0

Lat. 20° N. Long. 160° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.0	63.7	68.0	68.1	67.7	65.5	65.5	64.1	65.4	65.5	66.6	66.1	65.9
1930	65.2	66.4	67.5	66.9	67.1	66.3	63.5	60.7	61.7	65.7	66.6	67.2	65.4
1931	67.2	67.8	66.1	67.8	66.0	65.3	63.6	63.5	63.5	64.8	64.8	64.7	65.4
1932	65.5	63.9	66.8	66.2	66.8	66.8	64.9	64.7	64.6	65.6	65.2	65.8	65.6
1933	66.6	65.2	65.4	66.0	65.2	64.4	65.2	64.6	65.9	65.3	65.4	63.7	65.2
1934	65.4	63.8	65.8	66.3	65.2	66.0	65.0	64.2	62.5	64.6	65.9	66.4	65.1
1935	65.0	67.5	66.5	65.2	65.9	65.2	65.2	64.0	62.9	63.9	65.2	65.1	65.1
1936	64.9	64.0	67.3	67.8	66.4	64.4	64.2	62.0	63.7	66.2	65.3	65.6	65.2
1937	65.2	66.8	64.8	66.3	67.0	65.4	64.8	64.5	65.9	66.5	65.2	65.1	65.6
1938	65.5	63.3	66.9	67.1	65.4	65.9	63.3	63.7	64.2	65.9	66.5	65.8	65.3
1939	65.9	65.8	65.4	66.1	63.5	64.4	61.3	60.0	62.2	62.9	62.9	63.6	63.7
Mean	65.5	65.3	66.4	66.7	66.0	65.4	64.2	63.3	63.9	65.2	65.4	65.4	65.2

Lat. 20° N. Long. 170° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.0	63.8	69.1	68.3	68.3	66.6	66.7	65.0	65.3	66.1	67.2	67.5	66.5
1930	65.0	66.2	67.6	67.2	68.2	66.9	64.5	62.4	62.0	66.1	67.3	68.5	66.0
1931	67.0	67.8	66.5	68.3	67.2	66.8	64.2	64.8	63.9	65.5	65.3	65.5	66.1
1932	65.1	64.4	65.6	67.1	67.3	67.5	66.2	65.6	61.3	65.7	65.2	65.6	65.7
1933	65.4	65.7	65.9	66.3	65.5	65.4	67.0	66.5	66.6	65.8	66.0	63.2	65.3
1934	65.7	64.4	66.5	67.2	65.9	66.3	65.8	65.4	64.5	65.3	65.7	66.6	65.8
1935	65.5	68.1	66.9	66.3	66.6	65.6	65.9	65.0	64.0	64.7	65.5	65.5	65.8
1936	64.7	63.5	67.9	67.7	67.4	65.2	62.6	62.8	64.5	66.6	66.8	65.9	65.5
1937	64.8	67.1	65.5	67.0	67.7	66.8	65.8	64.8	66.1	66.8	65.5	65.6	66.1
1938	65.6	62.8	67.3	68.2	66.4	67.7	65.8	65.3	65.7	67.1	67.3	67.1	66.4
1939	66.5	65.7	65.6	66.2	63.6	64.3	63.6	61.9	62.5	63.6	65.7	64.4	64.5
Mean	65.4	65.4	66.8	67.3	66.7	66.3	65.3	64.5	64.2	65.8	66.1	65.9	65.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 180°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.8	61.2	61.8	63.0	62.3	62.6	62.1	61.9	60.7	61.1	60.8	61.6	61.6
1930	60.6	63.0	62.6	62.4	63.8	61.8	59.3	59.4	59.6	60.9	60.7	62.8	61.4
1931	61.3	62.9	...	62.4	62.6	63.5	...	61.1	...	...	...	61.6	...
1932	61.0	61.0	62.5	63.5	63.3	63.2	62.1	...	...	...	60.8	60.0	...
1933	59.1	61.4	61.8	62.3	...	...	...	...	...	...	...	60.3	...
1934	62.0	...	62.0	63.2	62.6	...	61.7	...	...	...	...	61.4	...
1935	60.4	63.4	...	62.7	63.9	...	...	...	...	...	...	...	...
1936	...	...	63.9	62.6	...	63.2	...	...	...	...	60.6	60.6	...
1937	59.0	61.9	60.3	61.2	61.9	63.3	...	60.9	...	62.8	63.0	61.3	61.4
1938	60.6	59.0	61.8	62.3	...	63.6	62.0	...	60.5	...	61.6	...	...
1939	62.5	...	60.5	61.7	60.6	60.4	...	...	...	...	...	...	...
Mean	60.6	61.7	61.9	62.5	62.6	62.7	...	...	...	...	...	61.2	...

Lat. 10° N. Long. 170° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.0	61.4	60.9	62.9	62.0	62.7	62.2	60.8	59.9	60.8	60.1	60.7	61.2
1930	...	62.5	62.5	62.7	63.8	62.0	58.0	59.6	60.0	60.3	59.9	62.6	61.2
1931	61.3	63.4	...	62.0	...	63.4	...	61.2	...	...	...	61.7	...
1932	...	...	62.5	63.2	...	63.1	62.3	...	...	...	60.2	57.9	...
1933	59.2	61.3	62.2	62.4	...	...	...	...	...	...	...	60.7	...
1934	...	...	...	63.0	...	...	...	...	...	...	...	...	...
1935	60.1	63.4	...	62.8	63.9	...	...	...	...	...	...	...	...
1936	...	...	63.2	...	...	63.2	...	...	...	...	60.0	60.2	...
1937	...	61.8	60.0	61.3	...	66.9	...	...	...	...	63.1	60.7	...
1938	60.5	58.8	62.3	62.3	...	...	...	...	60.4	...	61.1	...	...
1939	62.5	61.3	60.0	61.7	61.1	60.5	...	...	...	...	...	...	...
Mean	60.6	61.7	61.7	62.4	62.7	63.1	...	...	...	...	60.7	60.7	...

Lat. 10° N. Long. 160° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.0	61.1	60.4	63.0	62.2	62.5	62.3	60.9	60.7	61.0	59.3	60.0	61.1
1930	...	62.6	62.5	62.6	63.8	61.6	58.3	60.4	60.0	60.5	59.6	62.5	61.3
1931	62.1	63.5	64.1	61.6	62.4	63.3	...	61.3	...	...	...	61.6	...
1932	60.4	...	62.4	63.0	63.6	63.2	62.1	61.9	...	...	60.7	60.5	...
1933	59.7	61.3	62.4	62.5	63.5	...	...	...	...	...	...	61.3	...
1934	...	...	62.6	62.6	...	63.1	...	...	...	...	...	60.8	...
1935	59.9	63.7	...	63.2	64.0	...	...	...	...	...	...	...	...
1936	...	...	...	...	...	63.5	...	...	...	...	60.0	...	...
1937	...	...	...	61.2	65.0	60.0	...	61.1	...	...	63.1	60.3	...
1938	60.5	59.3	62.2	62.3	...	...	...	...	58.0	62.2	60.2	...	...
1939	62.2	61.4	60.6	61.9	61.7	60.8	...	...	...	...	...	...	...
Mean	60.7	61.8	62.2	62.4	63.3	62.3	...	...	...	...	...	61.0	...

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 150° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.9	62.0	61.2	63.2	62.5	62.8	62.4	60.6	61.4	61.0	59.8	60.0	61.4
1930	60.4	63.7	62.8	62.2	63.9	62.0	60.7	61.2	60.8	60.3	60.0	62.7	61.7
1931	62.8	63.6	64.2	...	62.1	62.9	...	61.0	...	...	...	...	...
1932	61.4	...	62.4	62.9	63.8	63.6	62.1	61.5	...	...	61.4	61.3	...
1933	60.3	62.7	62.5	60.7	63.6	...	...	...	...	...	63.4	62.5	...
1934	62.8	...	...	62.3	...	63.4	...	...	...	...	...	61.6	...
1935	60.8	64.1	...	63.0	64.2	63.3	...	...	...	...	...	...	...
1936	...	...	62.8	...	62.0	63.5	...	...	...	...	60.3	...	...
1937	58.8	...	60.3	61.7	...	63.6	...	61.7	...	...	63.3	60.5	...
1938	61.0	60.7	62.5	62.4	...	63.0	61.8	60.2	61.3	61.7	59.9	...	61.6
1939	62.3	62.1	61.2	62.1	61.8	61.0	...	...	...	...	...	...	...
Mean	61.1	62.7	62.2	62.3	63.0	62.9	...	...	...	...	61.2	61.4	...

Lat. 10° N. Long. 140° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.3	63.2	62.8	63.9	62.8	63.6	62.9	60.6	61.5	61.3	60.7	60.5	62.1
1930	61.5	64.4	63.4	61.8	63.9	62.6	61.0	61.4	61.4	59.9	60.7	62.8	62.1
1931	62.9	63.6	64.4	...	61.6	62.7	...	60.6	...	...	...	60.7	...
1932	62.4	...	62.9	63.2	63.9	63.9	61.5	60.7	...	...	62.1	62.1	...
1933	60.8	63.6	63.0	63.5	63.7	63.8	...	...	...	...	64.0	63.0	...
1934	63.4	...	...	62.3	...	63.6	...	...	...	...	62.8	62.2	...
1935	61.4	64.9	...	63.4	64.0	62.4	...	...	...	...	...	61.9	...
1936	61.0	...	...	62.4	61.9	...	...	...	...	...	60.7	...	...
1937	59.8	63.0	61.2	62.3	66.7	63.6	62.8	61.9	...	...	64.2	60.7	62.4
1938	62.1	61.9	62.9	62.6	...	62.6	61.9	60.2	61.7	61.9	60.3	...	61.9
1939	62.9	63.6	61.9	62.1	61.7	61.0	...	...	...	...	...	...	...
Mean	63.6	63.5	62.8	62.8	63.4	63.0	...	...	...	...	61.9	61.7	...

Lat. 10° N. Long. 130° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.8	63.6	62.9	64.1	62.4	63.4	63.0	60.1	61.1	61.1	61.3	61.2	62.2
1930	62.2	64.7	63.1	61.7	63.4	62.6	60.6	61.4	61.0	59.4	60.9	62.5	62.0
1931	62.6	62.8	64.1	...	60.9	61.7	...	60.9	...	...	...	61.4	...
1932	62.2	...	63.2	62.8	63.8	...	60.9	59.8	...	...	62.5	62.5	...
1933	61.0	64.2	63.0	63.6	63.6	...	...	...	...	...	64.1	63.3	...
1934	63.5	...	...	62.5	...	63.6	...	...	...	...	62.8	...	...
1935	62.1	65.0	63.8	63.2	64.0	62.2	...	...	...	...	...	...	...
1936	...	...	63.4	62.8	61.7	...	...	...	...	...	60.8	...	...
1937	60.7	63.9	62.0	62.1	65.0	63.2	62.1	61.6	...	...	65.3	61.3	62.6
1938	62.5	63.1	63.4	62.5	...	61.1	61.8	60.1	61.3	61.6	60.6	62.8	62.0
1939	63.1	64.1	62.0	61.9	61.2	60.2	...	...	...	...	...	...	...
Mean	62.2	63.9	63.1	62.7	62.9	62.3	...	...	...	...	62.3	62.1	...





## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 90° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	...	...	61.3	61.5	60.8	59.8	60.1	60.3	60.2	59.5	59.6	61.0	60.6
1930	62.1	...	...	61.5	61.3	60.0	59.7	61.2	59.9	60.4	60.7	61.0	60.9
1931	61.9	60.2	...	...	60.4	59.8	...	61.0	60.8	61.2	...	59.6	...
1932	62.2	...	60.9	60.6	60.6	...	60.7	59.5	60.9	60.3	60.8	60.8	60.8
1933	61.1	62.8	61.0	61.3	59.8	61.3	...	...	59.8	60.5	62.6	62.9	61.2
1934	62.2	...	...	61.9	...	60.5	61.5	62.2	61.0	62.3	61.5	61.4	...
1935	61.7	...	...	61.4	...	61.4	...	...	60.7	60.6	...	...	...
1936	61.4	...	...	...	59.7	59.7	...	60.7	...	60.8	61.1	62.4	...
1937	...	61.1	60.3	61.2	...	63.6	60.4	60.5	...	...	61.1	60.6	...
1938	60.5	62.2	62.0	61.9	...	60.9	...	60.5	60.5	60.7	60.6	61.7	61.0
1939	61.6	61.9	61.2	61.5	60.6	60.4	...	...	...	...	...	...	...
Mean	61.6	61.6	61.1	61.4	60.5	60.7	60.5	60.7	60.5	60.7	61.0	61.3	61.0

Lat. 10° N. Long. 80° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	62.1	62.3	62.7	62.5	61.8	61.1	61.5	61.2	60.2	60.0	59.2	61.5	61.3
1930	62.7	...	...	62.0	61.9	60.5	61.0	61.9	60.0	60.4	60.9	61.6	61.5
1931	62.7	61.2	62.0	...	60.7	60.2	59.7	61.3	61.0	60.0	...	60.7	61.0
1932	62.7	...	61.8	61.0	60.3	...	61.1	60.4	60.8	60.4	60.0	60.7	61.1
1933	61.8	63.3	62.3	61.9	61.2	60.5	61.2	61.6	60.0	59.8	61.1	62.8	61.5
1934	62.5	63.6	63.4	62.5	61.8	61.6	62.5	58.7	61.3	62.4	61.4	61.5	61.9
1935	62.4	63.9	63.2	61.8	61.9	62.2	...	...	60.7	60.2	...	61.5	...
1936	62.3	62.2	...	62.6	60.2	60.9	...	60.4	...	60.8	61.2	62.5	...
1937	...	62.7	61.0	61.6	...	59.3	...	61.0	...	61.0	60.8	60.1	...
1938	62.1	63.4	63.5	62.3	...	61.9	62.5	60.5	60.5	60.9	60.3	61.3	61.7
1939	62.3	63.5	63.0	62.1	60.9	61.0	...	...	...	...	...	...	...
Mean	62.4	62.9	62.5	62.0	61.2	60.9	61.4	60.8	60.6	60.6	60.6	61.4	61.4

Lat. 10° N. Long. 70° W.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.2	63.2	64.0	63.6	63.1	63.3	63.4	62.5	...	61.4	60.3	62.4	62.3
1930	63.3	63.4	63.2	63.1	63.6	62.8	62.7	63.2	62.0	62.1	61.1	61.8	62.7
1931	63.4	...	62.8	...	61.6	62.6	60.9	62.5	62.0	...	...	62.1	...
1932	63.4	...	62.8	61.8	61.8	...	62.8	62.1	61.7	61.6	58.9	60.4	62.0
1933	61.9	63.8	63.3	63.0	62.8	62.4	62.4	...	61.6	61.0	60.9	62.7	62.4
1934	63.1	63.8	...	63.6	63.3	63.3	63.5	63.2	62.2	62.8	...	62.5	62.9
1935	62.7	63.8	63.7	62.7	63.4	63.2	63.3	...	62.0	61.8	...	62.1	62.6
1936	63.1	63.1	63.6	63.5	60.6	62.3	63.5	...	...	...	61.5	64.0	...
1937	62.9	63.7	62.2	62.6	...	63.7	62.8	62.4	...	...	61.0	60.4	...
1938	62.7	63.9	63.8	62.8	63.2	63.2	63.5	61.2	61.8	61.2	60.5	60.9	62.4
1939	62.8	63.8	63.5	62.9	61.2	63.0	...	...	...	...	...	...	...
Mean	63.0	63.6	63.3	63.0	62.5	63.0	62.9	62.4	61.9	61.7	60.6	61.9	62.5

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 60° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.2	64.0	64.6	64.7	64.3	64.6	64.6	63.5	63.0	62.5	62.0	63.3	63.8
1930	64.5	64.3	64.5	64.4	65.2	64.3	64.2	64.1	63.0	62.7	62.2	63.1	63.9
1931	63.8	63.3	64.7	...	63.2	64.5	62.8	63.9	62.7	62.7	62.1	63.1	63.4
1932	63.6	64.5	63.6	63.1	63.6	64.1	63.8	62.5	62.5	62.4	60.8	61.8	63.0
1933	63.1	64.3	64.3	63.5	63.9	63.8	63.4	63.4	62.6	61.3	61.5	62.6	63.1
1934	63.8	64.7	64.3	64.4	64.2	64.3	64.0	63.8	62.8	63.3	61.9	63.5	63.8
1935	63.6	64.6	64.4	63.5	64.2	63.7	64.0	63.4	63.1	62.3	...	63.7	63.5
1936	64.0	64.1	64.2	64.0	62.2	64.2	64.0	62.8	...	62.8	62.3	63.2	63.4
1937	63.5	64.4	63.4	61.3	64.0	64.5	64.7	63.7	...	...	62.0	62.5	63.5
1938	63.1	64.6	64.2	63.5	63.6	64.4	64.4	62.4	63.2	62.2	61.1	62.2	63.2
1939	64.4	64.6	64.2	65.0	64.0	64.6	...	...	...	...	...	...	...
Mean	63.8	64.3	64.2	64.0	63.9	64.3	64.0	63.4	62.9	62.5	61.8	62.9	63.5

Lat. 10° N. Long. 50° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	64.6	64.6	64.7	65.4	65.2	66.2	65.6	64.1	63.3	63.6	62.9	64.0	64.5
1930	65.7	65.1	66.2	65.9	66.6	65.6	65.7	64.5	63.8	63.4	62.0	63.9	64.9
1931	63.9	64.0	66.0	63.7	64.0	65.8	63.6	64.6	63.5	63.6	63.0	63.7	64.1
1932	63.6	65.1	64.4	63.8	64.2	65.1	64.8	63.5	63.8	63.3	62.2	62.6	63.9
1933	63.8	64.7	64.9	64.3	64.7	64.8	59.4	64.0	64.0	...	63.0	62.8	63.7
1934	63.7	65.2	64.6	65.2	64.8	65.0	64.8	64.1	63.5	63.8	63.1	64.1	64.3
1935	63.8	65.9	64.8	63.6	65.0	64.6	64.6	63.6	63.9	63.1	...	64.8	64.2
1936	64.2	64.4	64.4	64.4	63.3	65.1	64.7	64.0	...	63.8	63.3	63.5	64.1
1937	63.9	64.9	64.0	64.9	64.4	65.2	65.7	64.2	...	63.5	63.2	62.5	65.0
1938	63.1	64.3	64.6	63.9	64.1	65.5	...	63.2	63.8	63.5	61.6	63.1	63.8
1939	64.9	64.4	64.4	65.6	64.9	65.5	...	...	...	...	...	...	...
Mean	64.1	64.8	64.8	64.6	64.7	65.3	64.3	64.0	63.7	63.4	62.7	63.5	64.2

Lat. 10° N. Long. 40° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.8	64.7	64.2	64.9	65.2	65.9	65.6	64.2	63.2	64.6	63.5	64.2	64.5
1930	66.1	65.4	66.9	66.5	67.0	65.9	66.4	64.6	64.2	63.8	63.2	64.2	65.4
1931	64.1	64.3	66.1	63.7	64.4	66.5	63.8	65.3	63.9	63.9	63.5	64.1	64.5
1932	63.7	65.4	64.9	64.1	65.0	65.4	65.2	64.3	64.7	64.2	63.1	63.4	64.5
1933	64.1	65.1	65.0	64.6	64.9	64.7	63.9	63.8	...	...	63.5	63.0	64.2
1934	63.6	65.3	64.9	65.9	65.2	65.3	64.9	64.1	63.7	64.0	63.6	64.4	64.6
1935	64.3	66.3	64.6	64.0	65.3	64.5	64.8	63.7	63.8	63.3	64.3	65.1	64.5
1936	64.1	64.4	64.3	64.5	63.7	65.2	64.6	64.1	...	63.9	63.4	...	64.2
1937	64.4	64.2	64.1	65.0	64.4	65.2	65.3	63.7	...	63.9	64.0	62.3	64.2
1938	63.2	63.4	64.9	63.7	64.2	66.3	...	63.2	64.4	64.2	62.3	63.6	64.0
1939	65.2	64.0	64.4	65.0	64.8	65.5	...	...	...	...	...	...	...
Mean	64.2	64.8	64.9	64.7	64.9	65.5	64.9	64.1	64.0	64.0	63.4	63.8	64.5

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 30° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	62.8	62.6	63.4	63.9	64.5	64.6	64.6	63.5	63.0	62.9	63.5	63.9	63.7
1930	65.7	65.2	65.6	65.4	65.9	65.4	65.6	64.2	64.2	63.7	63.8	64.3	64.9
1931	64.2	64.3	65.2	63.6	64.4	66.3	63.3	65.0	63.7	64.0	63.5	64.0	64.3
1932	63.8	65.4	65.2	64.2	65.1	65.2	64.8	63.6	65.0	63.9	63.2	63.5	64.4
1933	63.7	64.9	64.3	63.9	64.7	64.1	63.7	63.9	...	...	62.4	62.8	63.8
1934	63.2	64.8	64.9	65.2	64.9	65.0	64.2	63.8	63.7	63.8	63.5	64.2	64.3
1935	63.8	65.7	64.4	63.6	64.8	64.3	64.6	62.8	63.3	63.0	64.1	64.7	64.1
1936	63.4	64.1	64.3	64.3	62.2	64.8	64.7	64.4	64.3	64.0	63.1	63.3	63.9
1937	64.3	63.8	63.8	64.4	67.7	64.6	64.5	63.4	63.7	63.9	63.6	62.2	64.2
1938	63.5	62.4	64.2	63.2	63.9	66.5	...	62.7	64.2	63.8	62.4	63.6	63.7
1939	64.7	64.3	63.5	64.4	64.1	64.8	...	...	...	...	...	...	...
Mean	63.9	64.3	64.4	64.2	64.7	65.1	64.4	63.7	63.9	63.8	63.3	63.7	64.1

Lat. 10° N. Long. 20° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.7	61.6	61.5	62.3	62.2	63.4	63.9	63.6	62.4	62.9	60.8	63.4	62.5
1930	64.5	64.2	64.3	63.3	64.5	63.5	63.5	...	64.2	62.4	63.2	63.2	63.7
1931	63.5	63.5	64.3	63.3	63.2	65.0	...	64.0	63.3	63.5	...	63.2	63.7
1932	63.6	...	64.7	63.5	64.3	64.3	63.8	63.5	64.5	63.3	64.1	62.1	63.7
1933	61.9	62.7	62.7	62.5	63.6	63.2	...	63.8	...	...	...	62.0	...
1934	62.1	...	63.9	63.9	63.5	64.7	64.7	63.8	...	63.4	63.1	63.6	63.7
1935	...	65.0	68.4	62.4	63.3	63.8	64.7	62.1	63.2	62.1	...	...	...
1936	63.2	63.2	64.3	63.6	63.2	...	...	65.5	64.7	64.8	63.3	63.6	64.0
1937	63.9	63.0	63.0	63.5	...	64.1	64.9	64.5	65.1	64.8	63.3	61.9	63.8
1938	62.0	61.6	62.4	62.4	...	65.9	...	63.1	63.9	63.0	62.4	63.2	63.1
1939	63.0	63.6	62.1	62.7	63.1	63.8	...	...	...	...	...	...	...
Mean	62.9	63.2	63.8	63.0	63.4	64.2	64.3	63.8	63.9	63.4	62.9	62.9	63.6

Lat. 10° N. Long. 10° W.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.6	...	59.6	59.5	59.4	61.8	62.5	62.2	60.3	62.5	...	...	...
1930	63.6	...	...	...	62.3	59.8	60.2	...	63.7	59.9	60.6	60.8	...
1931	61.5	62.4	62.6	...	60.9	63.9	...	63.0	62.7	...	...	...	...
1932	62.9	...	63.9	61.6	61.9	...	61.4	63.0	62.8	61.9	61.9	60.5	...
1933	60.6	60.6	60.2	59.6	60.2	60.7	...	62.6	...	...	...	...	...
1934	61.1	...	62.2	61.0	60.4	63.0	63.3	62.4	...	...	...	...	...
1935	...	63.7	...	...	...	...	64.1	63.4	...	...	...	...	...
1936	62.7	62.1	63.5	61.7	62.0	...	65.6	65.6	65.0	65.2	63.8	63.7	...
1937	63.6	61.9	...	...	...	...	64.9	64.4	65.4	65.0	64.1	63.0	...
1938	62.1	62.1	62.0	60.8	...	64.0	63.8	62.5	62.6	...	62.9	62.9	...
1939	61.7	...	...	...	61.0	62.4	...	...	...	...	...	...	...
Mean	62.1	62.1	60.7	60.7	61.0	62.5	63.2	63.2	63.2	...	...	...	...

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 0°  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	...	...	...	...	58.3	59.8	59.7	60.1	58.6	...	...	...	...
1930	...	...	...	...	59.7	54.1	54.9	...	...	68.6	58.1	58.5	...
1931	...	...	...	...	...	62.7	...	61.1	60.6	...	...	...	...
1932	63.2	...	62.4	...	...	...	58.7	61.6	60.7	59.6	61.4	61.3	...
1933	59.9	55.9	59.1	57.0	...	...	...	60.9	...	...	...	...	...
1934	60.9	...	...	...	...	60.4	60.5	59.4	...	...	...	...	...
1935	...	62.9	...	...	...	...	61.3	61.6	61.7	...	...	...	...
1936	62.7	...	...	...	...	...	...	63.7	...	63.8	...	63.3	...
1937	...	59.9	...	...	...	...	62.5	62.2	63.6	...	64.1	64.3	...
1938	63.6	62.6	60.8	58.2	...	...	...	60.1	59.3	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	...	...	...	...	...	...	...	...	...	...	...	...	...

Lat. 10° N. Long. 10° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	...	...	...	...	...	58.5	58.2	...	...	...	...	...	...
1930	...	...	59.3	...	58.9	58.2	53.4	58.6	...	...	58.2	58.7	...
1931	61.4	...	...	...	...	61.3	...	60.0	59.7	...	62.8	...	...
1932	63.3	...	...	...	...	...	...	61.0	59.5	59.0	57.8	57.9	...
1933	57.1	56.8	57.2	54.8	...	...	...	60.3	...	...	...	...	...
1934	62.0	...	...	...	...	...	59.5	58.9	...	...	...	...	...
1935	...	...	...	...	...	...	60.3	60.2	60.0	...	...	...	...
1936	63.0	61.4	...	...	...	...	...	...	...	...	...	63.7	...
1937	64.2	58.0	60.0	...	...	...	60.5	60.9	...	...	64.1	63.9	...
1938	64.5	62.8	60.5	57.4	...	...	...	59.0	58.8	...	...	...	...
1939	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean	62.2	...	...	...	...	...	...	59.9	...	...	...	...	...

Lat. 10° N. Long. 20° E.  
950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	...	...	...	...	57.7	58.6	58.8	59.8	59.0	60.0	61.0	...	...
1930	63.2	...	59.1	...	59.2	56.6	56.2	59.3	60.4	58.5	59.8	60.1	...
1931	62.2	...	54.8	...	...	60.4	59.2	59.7	59.3	59.3	...	...	...
1932	62.9	...	59.9	58.3	...	...	58.7	57.5	59.6	58.9	54.3	54.5	...
1933	54.3	...	54.9	51.5	...	59.2	60.4	60.5	...	59.7	59.5	61.8	...
1934	62.9	62.2	...	58.7	...	60.0	60.3	59.4	...	59.7	...	62.9	...
1935	61.3	62.2	...	...	...	59.7	60.2	60.0	59.6	59.0	...	...	...
1936	63.4	60.8	...	60.3	...	...	61.0	60.5	...	61.2	60.7	62.7	...
1937	64.6	56.9	58.8	...	...	59.7	60.7	60.6	...	60.0	63.0	63.4	...
1938	63.3	61.2	60.1	56.8	...	...	...	59.0	59.3	59.8	62.0	61.2	...
1939	61.4	...	...	...	...	...	...	...	...	...	...	...	...
Mean	62.0	...	...	...	...	59.2	59.5	59.6	...	59.6	60.0	60.9	...

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 30° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.1	59.3	58.6	57.2	59.4	60.7	61.5	61.2	60.5	60.0	59.6	62.1	60.1
1930	63.0	...	60.0	58.8	60.5	60.8	61.4	61.1	60.9	60.1	61.8	61.3	61.3
1931	60.9	59.2	55.4	...	58.9	60.7	60.8	60.9	60.7	60.4	59.9	62.0	59.7
1932	63.2	61.2	59.4	58.5	59.9	60.3	60.8	57.8	60.6	59.5	55.3	56.9	59.5
1933	54.5	54.8	53.4	53.3	59.7	59.8	61.3	61.5	61.1	59.0	58.5	60.3	58.1
1934	61.7	61.4	...	58.1	59.1	60.6	60.9	61.4	60.4	59.7	59.7	62.5	60.2
1935	60.8	61.3	...	...	...	60.5	60.9	60.9	60.3	59.6	60.5	61.7	...
1936	63.1	60.5	...	58.9	58.0	60.5	61.3	61.1	60.7	60.0	59.8	61.0	60.2
1937	63.1	55.7	55.4	...	60.9	58.6	61.4	61.1	60.6	60.0	61.6	60.7	59.7
1938	60.6	58.7	57.9	56.4	56.8	58.9	61.4	60.3	61.2	60.4	60.5	59.5	59.4
1939	57.3	56.0	56.3	55.5	58.4	60.4	...	...	...	...	...	...	...
Mean	60.8	58.8	57.1	57.1	59.2	60.2	61.2	60.7	60.7	59.9	59.7	60.8	59.7

Lat. 10° N. Long. 40° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.0	56.9	56.8	56.7	58.8	58.2	60.0	60.2	59.8	59.5	58.7	60.2	58.7
1930	61.9	...	57.8	57.9	59.2	58.8	59.4	59.0	60.4	60.0	58.8	59.4	59.2
1931	58.7	58.6	57.6	...	57.4	59.2	58.2	58.4	59.0	59.5	58.9	59.7	58.6
1932	62.8	61.1	58.4	58.6	59.9	58.5	58.2	56.4	59.3	59.9	57.3	58.1	59.0
1933	58.1	58.1	55.6	55.5	58.6	59.7	59.9	60.3	60.5	59.9	60.7	59.1	58.8
1934	59.9	...	...	58.6	59.8	59.8	59.3	59.7	60.0	60.3	60.2	60.3	59.4
1935	59.3	60.1	...	...	...	59.7	59.5	59.1	59.8	60.4	...	...	...
1936	62.4	60.1	...	59.1	58.4	59.4	59.5	59.9	59.8	61.2	59.8	60.1	59.7
1937	60.9	55.7	54.8	...	...	57.1	59.0	60.2	59.9	60.2	59.6	60.0	58.5
1938	59.5	57.2	56.9	57.6	55.5	57.6	59.6	59.4	59.0	59.3	58.9	...	58.3
1939	57.3	54.9	56.8	56.4	59.2	59.5	...	...	...	...	...	...	...
Mean	60.0	58.1	56.8	57.6	58.5	58.9	59.3	59.3	59.8	60.0	59.2	59.6	58.9

Lat. 10° N. Long. 50° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	62.3	61.0	60.3	60.1	58.6	55.4	55.8	57.6	58.6	60.6	60.2	61.4	59.3
1930	...	...	60.2	60.1	58.0	55.2	55.3	56.7	59.5	61.0	60.8	61.8	59.3
1931	61.7	61.6	61.3	...	57.6	57.0	56.0	54.4	58.5	...	...	62.2	...
1932	65.2	...	59.9	60.1	57.2	58.2	53.2	54.9	56.4	60.5	62.7	64.0	59.4
1933	63.2	61.1	60.6	59.9	...	58.3	56.2	57.7	58.6	60.1	62.3	61.3	59.8
1934	62.2	...	...	59.3	...	57.6	56.1	56.0	57.6	60.7	...	60.9	...
1935	...	61.1	...	...	...	57.2	56.1	55.6	57.5	61.1	...	...	...
1936	64.0	...	...	60.1	...	57.2	57.2	57.2	58.2	62.7	66.1	61.8	...
1937	62.2	60.0	59.2	...	...	56.5	56.7	57.0	58.7	61.3	61.4	63.2	59.5
1938	61.9	60.7	59.3	59.3	...	...	...	56.6	56.8	...	60.6	61.8	...
1939	62.8	58.6	59.7	60.1	59.0	56.9	...	...	...	...	...	...	...
Mean	62.8	60.6	60.1	59.9	58.1	57.0	55.8	56.4	58.0	61.0	62.0	62.0	59.4

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 60° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.1	...	60.7	60.1	59.6	57.9	57.5	59.7	60.5	61.3	60.2	60.8	60.2
1930	62.4	...	60.8	...	58.7	55.4	55.8	58.4	60.2	61.4	60.6	61.6	59.8
1931	61.5	62.6	62.1	...	59.2	57.1	57.7	56.1	60.4	61.0	...	60.8	60.0
1932	63.9	...	60.7	61.5	...	59.3	53.5	57.3	57.3	59.4	61.1	61.9	58.9
1933	62.1	61.1	60.8	60.6	...	58.5	58.0	59.7	59.9	60.1	...	...	...
1934	62.0	...	...	60.1	59.2	57.6	57.1	57.6	59.9	60.2	...	60.1	...
1935	61.8	61.6	...	...	...	57.8	57.1	59.2	59.2	...	...	...	...
1936	63.4	...	...	60.6	...	57.9	57.2	58.6	59.1	...	61.8	61.5	...
1937	61.6	61.0	60.3	...	...	59.3	57.9	58.4	60.6	61.4	60.2	61.9	60.1
1938	61.2	61.2	59.3	...	...	...	...	57.4	59.6	...	60.7	61.5	...
1939	66.7	59.9	60.6	60.5	59.4	57.4	...	...	...	...	...	...	...
Mean	62.7	61.2	60.7	60.6	59.2	57.8	56.9	58.2	59.7	60.7	60.8	61.3	60.0

Lat. 10° N. Long. 70° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	...	...	60.3	60.2	60.5	59.4	59.3	61.0	60.5	61.5	60.1	60.9	60.6
1930	...	...	...	...	59.9	58.0	59.0	60.1	60.5	60.5	60.5	61.5	...
1931	61.1	...	60.8	...	60.8	58.0	59.2	58.5	60.8	...	...	60.3	...
1932	63.5	...	61.3	61.5	59.2	59.7	56.7	57.4	59.4	59.1	59.3	60.7	59.9
1933	60.4	59.8	59.0	58.4	...	59.5	59.9	60.5	60.1	60.2	...	...	...
1934	61.3	...	...	60.3	60.5	58.8	58.8	60.2	61.3	60.7	...	61.7	...
1935	64.8	62.1	...	60.6	...	58.7	58.5	60.5	...	...	...	...	...
1936	62.7	62.3	...	61.2	58.5	58.8	59.3	59.8	...	...	61.6	61.3	...
1937	61.2	...	60.3	...	...	55.2	59.1	60.1	...	61.3	59.1	61.1	...
1938	61.4	61.0	59.6	60.7	...	57.7	58.5	59.2	60.9	...	60.4	61.0	60.1
1939	62.3	60.7	60.3	60.4	60.0	59.3	...	...	...	...	...	...	...
Mean	62.1	61.2	60.2	60.4	59.9	58.5	58.8	59.7	60.5	60.6	...	61.1	...

Lat. 10° N. Long. 80° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	63.8	62.5	61.3	60.5	58.3	57.2	57.7	58.8	59.4	61.1	61.6	62.5	60.4
1930	63.8	...	...	60.8	58.5	57.1	58.2	58.7	59.7	60.8	62.2	63.8	60.5
1931	63.7	...	59.6	...	58.3	57.5	58.3	57.6	58.9	60.4	62.8	62.5	60.1
1932	65.4	...	62.2	60.7	57.8	57.8	66.5	54.8	59.3	60.1	57.3	60.5	59.7
1933	59.9	59.0	58.1	56.3	57.6	58.1	58.2	58.7	59.1	59.7	62.1	62.7	59.1
1934	62.0	62.9	60.8	59.5	58.8	58.0	57.3	59.1	59.4	60.3	62.9	63.8	60.4
1935	64.1	68.2	61.4	60.2	57.5	56.9	57.3	58.7	59.6	59.7	62.4	63.2	60.4
1936	63.5	63.0	...	59.6	56.4	58.2	58.0	58.9	58.3	60.9	62.7	62.0	60.2
1937	63.1	...	61.1	58.8	56.0	56.6	57.6	58.2	59.8	61.1	60.7	68.0	59.9
1938	63.4	62.2	59.6	60.0	56.0	57.1	57.4	57.6	58.5	60.9	62.2	62.9	59.8
1939	63.9	63.1	...	59.3	57.0	57.8	...	...	...	...	...	...	...
Mean	63.8	62.3	60.5	59.6	57.5	57.5	57.7	58.1	59.3	60.6	61.7	62.7	60.1

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 90° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	...	...	...	60.2	58.9	57.3	57.0	58.4	59.6	60.8	...	61.7	...
1930	...	...	...	61.4	59.4	57.5	57.3	58.7	60.0	61.3	60.2	62.0	...
1931	61.7	...	61.7	...	59.4	57.7	59.5	57.1	59.6	60.9	...	61.3	...
1932	64.8	...	61.9	61.3	59.3	58.1	56.4	56.7	58.9	59.4	56.5	60.5	...
1933	60.2	59.8	...	58.2	...	58.0	57.7	59.0	58.7	59.8	...	...	...
1934	60.6	...	...	59.9	59.9	58.0	56.9	58.8	59.7	61.1	...	62.3	...
1935	63.6	62.2	...	60.2	58.3	58.1	57.8	59.2	59.7	59.4	...	...	...
1936	63.0	...	...	60.1	...	58.2	57.5	58.9	58.9	...	62.0	61.1	...
1937	61.6	...	...	...	...	57.0	57.0	57.7	60.1	61.0	60.2	61.0	...
1938	62.4	61.4	59.8	...	56.6	57.1	...	57.8	59.0	60.1	59.6	61.4	...
1939	61.8	...	...	60.2	58.0	57.6	...	...	...	...	...	...	...
Mean	62.2	...	...	60.2	58.7	57.7	57.5	58.2	59.4	60.4	...	61.4	...

Lat. 10° N. Long. 100° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	62.4	...	62.0	61.4	59.4	58.9	59.3	59.9	60.2	...	61.3	62.3	60.8
1930	...	...	61.4	59.8	60.2	58.7	57.8	59.6	60.6	61.7	62.2	62.6	60.7
1931	62.0	...	60.2	...	59.3	59.4	60.3	57.3	59.9	61.2	62.4	61.7	60.1
1932	64.7	62.4	61.8	60.3	59.4	58.2	58.1	56.9	60.0	60.4	59.3	60.4	60.2
1933	60.4	58.6	58.2	57.8	59.4	58.4	58.8	60.5	59.1	60.5	61.3	62.0	59.6
1934	61.8	...	...	60.2	59.4	59.4	58.4	60.0	60.7	61.7	61.7	63.3	60.7
1935	62.7	61.9	60.7	59.5	58.2	58.8	57.4	59.6	60.1	59.9	61.0	62.3	60.2
1936	62.5	62.5	...	59.6	58.1	58.7	58.7	59.0	59.7	61.4	62.2	60.9	60.3
1937	60.2	...	60.1	59.0	...	57.9	58.1	58.3	60.8	61.6	60.5	60.8	59.8
1938	62.5	61.0	59.8	59.7	...	58.2	58.8	58.6	58.8	60.2	60.4	60.1	59.8
1939	61.8	60.9	59.7	59.1	57.6	58.4	...	...	...	...	...	...	...
Mean	62.1	61.2	60.4	59.6	59.0	58.6	58.6	59.0	60.0	61.0	61.2	61.6	60.2

Lat. 10° N. Long. 110° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	61.1	60.5	59.6	61.1	58.0	58.2	58.3	58.5	58.3	58.8	58.3	61.1	59.3
1930	...	...	61.1	58.9	59.0	57.9	56.2	58.3	58.9	60.1	60.2	60.6	59.5
1931	60.9	...	...	59.5	58.4	58.8	59.0	55.0	58.6	58.8	63.1	60.6	59.5
1932	63.5	62.6	61.6	59.3	57.9	57.8	56.5	58.0	58.5	59.0	59.6	59.8	59.5
1933	61.3	60.1	59.7	59.2	59.1	56.9	57.8	59.6	58.4	59.7	60.2	60.5	59.4
1934	60.6	61.8	60.9	59.8	58.1	58.5	57.7	58.5	59.3	60.7	61.4	61.0	59.9
1935	61.5	61.2	60.4	58.2	57.4	57.7	56.4	58.7	57.4	58.7	59.8	61.2	59.1
1936	61.4	61.6	...	58.6	...	58.0	57.2	57.2	58.3	60.2	61.0	60.0	59.3
1937	60.0	...	59.2	...	...	57.2	...	57.2	59.3	60.2	59.6	60.3	...
1938	61.2	60.4	58.9	57.8	...	58.3	57.0	57.2	57.2	58.9	58.6	58.9	58.5
1939	61.5	61.5	59.7	57.7	56.5	56.9	...	...	...	...	...	...	...
Mean	61.3	61.2	60.1	59.0	58.1	57.8	57.3	57.8	58.4	59.5	60.2	60.4	59.3

## SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 120° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	60.1	61.2	61.1	60.5	59.5	59.4	59.4	59.3	59.2	59.6	59.6	60.5	60.0
1930	...	...	61.8	60.1	60.4	59.0	57.8	59.7	60.0	60.9	61.0	60.6	60.0
1931	61.0	...	...	...	59.9	60.2	59.7	56.8	59.2	58.7	58.7	60.4	...
1932	62.3	62.1	61.5	60.9	59.7	58.9	58.1	59.2	58.8	59.3	59.3	59.3	60.0
1933	60.8	59.9	60.7	60.6	59.7	58.8	58.0	59.5	59.1	58.9	59.0	58.8	59.5
1934	59.4	61.1	60.8	59.8	59.4	59.7	58.8	59.5	59.6	60.5	59.1	59.3	59.8
1935	61.6	61.2	60.6	58.8	58.8	58.4	57.6	59.5	58.0	59.1	59.5	60.9	59.5
1936	60.7	62.0	...	59.4	58.8	58.8	58.0	57.7	59.0	59.7	60.4	59.8	59.6
1937	60.1	61.7	60.0	59.2	58.3	58.2	58.1	58.6	59.8	59.9	59.5	59.0	59.4
1938	60.6	61.0	59.6	58.5	...	58.7	58.7	59.1	59.1	59.5	58.3	58.5	59.2
1939	61.0	61.0	60.0	59.7	58.5	59.1	...	...	...	...	...	...	...
Mean	60.8	61.2	60.7	59.8	59.3	59.0	58.4	58.9	59.2	59.6	59.4	59.7	59.7

Lat. 10° N. Long. 130° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.4	61.1	61.1	61.2	61.1	60.8	59.4	59.2	59.2	59.6	59.8	60.3	60.2
1930	60.9	...	62.3	61.1	61.4	59.6	58.1	59.6	60.0	61.8	61.5	60.8	60.7
1931	61.9	63.3	...	...	...	60.7	61.1	58.0	60.0	59.0	58.9	60.1	...
1932	61.0	61.7	62.1	62.0	60.4	...	59.0	60.6	59.6	60.2	59.2	59.4	60.5
1933	61.9	60.5	60.8	60.6	60.5	60.7	59.7	...	60.1	59.1	59.0	59.4	60.1
1934	59.3	61.5	60.6	60.2	60.1	60.8	59.9	59.4	59.2	60.1	59.0	59.5	60.0
1935	61.4	61.5	61.3	59.2	60.0	60.0	58.8	...	58.4	59.4	59.6	60.9	60.0
1936	61.0	62.5	...	60.8	59.8	60.6	59.8	57.8	...	59.3	59.0	59.5	60.1
1937	60.2	61.8	59.9	59.7	61.9	59.1	58.7	58.9	...	60.0	59.8	60.1	60.0
1938	60.2	61.7	60.8	59.3	59.8	60.0	59.2	59.4	58.9	59.6	58.8	57.8	59.6
1939	61.5	60.6	60.9	61.0	59.9	60.6	...	...	...	...	...	...	...
Mean	60.8	61.6	61.1	60.5	60.5	60.3	59.4	59.1	59.4	59.8	59.5	59.8	60.2

Lat. 10° N. Long. 140° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.5	60.6	61.1	61.9	61.4	61.0	59.6	59.5	59.9	59.4	58.8	59.7	60.2
1930	60.4	...	62.6	61.6	61.5	60.0	58.2	59.4	59.3	61.1	60.7	60.5	60.6
1931	61.9	63.0	...	62.2	...	...	61.3	58.8	61.3	59.7	...	59.4	...
1932	59.6	60.7	62.2	62.3	61.4	...	60.2	61.5	60.8	61.4	60.4	60.0	61.0
1933	61.3	60.3	60.6	60.5	61.1	...	...	...	...	60.4	59.5	59.9	...
1934	59.8	...	60.8	61.0	61.1	61.2	61.0	59.9	60.3	60.7	59.3	59.5	60.5
1935	59.8	61.5	61.6	60.1	61.3	61.0	59.2	...	59.2	59.8	58.8	59.5	60.1
1936	60.8	62.3	...	61.6	60.6	61.3	...	58.1	56.4	59.8	58.4	59.4	60.0
1937	60.4	61.7	59.7	60.0	57.1	60.5	60.0	59.7	...	60.5	60.0	59.6	59.9
1938	59.9	60.8	60.9	60.0	...	60.9	60.4	59.9	59.9	60.4	59.6	59.0	60.2
1939	61.2	61.2	60.8	60.9	60.8	61.6	...	...	...	...	...	...	...
Mean	60.4	61.3	61.1	61.1	60.7	60.9	60.0	59.6	59.6	60.3	59.5	59.7	60.4



SEA-LEVEL PRESSURE AT 10° INTERSECTIONS

Lat. 10° N. Long. 150° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.6	60.4	60.8	62.2	61.8	61.2	60.9	59.6	59.1	59.8	59.0	59.2	60.3
1930	60.5	63.2	62.6	61.6	62.0	60.5	57.6	59.7	58.5	60.6	60.2	60.8	60.7
1931	61.6	62.6	...	62.4	62.2	...	60.5	60.0	...	...	...	59.3	...
1932	60.1	60.2	62.2	62.3	61.4	62.3	61.0	61.7	...	62.0	60.6	59.9	61.1
1933	61.0	60.4	60.5	60.8	61.5	...	...	...	...	...	60.4	60.2	...
1934	60.0	...	60.8	61.5	61.6	61.3	60.5	...	...	...	59.9	59.8	...
1935	59.7	62.0	61.6	60.0	61.9	61.3	59.8	...	59.5	60.0	59.6	58.8	60.3
1936	60.9	62.5	63.3	62.1	61.1	61.7	...	59.0	59.8	61.3	58.6	59.4	60.8
1937	59.9	61.6	60.0	60.4	64.0	60.9	...	60.0	...	61.0	58.0	59.9	60.4
1938	60.0	60.0	61.1	60.9	...	61.4	60.5	59.5	59.5	61.2	60.0	59.6	60.5
1939	60.8	60.8	60.7	60.8	59.9	61.3	...	...	...	...	...	...	...
Mean	60.4	61.4	61.4	61.4	61.7	61.3	60.1	59.9	59.3	60.8	59.6	59.7	60.6

Lat. 10° N. Long. 160° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.7	60.8	62.1	62.8	62.5	62.1	61.7	61.0	61.6	61.2	60.4	60.3	61.4
1930	61.1	63.6	62.6	61.9	63.0	61.5	58.1	59.9	59.9	61.9	62.0	62.0	61.5
1931	61.9	62.8	...	62.7	62.8	65.3	...	...	...	...	...	60.2	...
1932	60.6	60.8	62.6	62.5	62.2	63.2	61.5	...	...	62.4	60.9	60.6	61.5
1933	60.6	61.4	60.8	61.1	61.7	...	62.0	...	...	...	61.2	60.5	...
1934	60.9	...	61.6	62.4	62.3	62.2	61.2	...	...	62.5	61.6	61.4	...
1935	60.2	62.5	61.7	61.0	62.7	...	60.5	...	60.7	61.0	61.2	60.0	61.6
1936	60.9	61.8	63.2	62.8	61.7	...	...	...	60.8	61.8	60.0	59.7	...
1937	60.1	61.6	60.6	60.7	62.5	62.1	...	60.3	...	61.8	61.2	61.2	61.1
1938	60.7	59.6	61.3	61.7	...	62.4	61.2	60.3	60.6	62.4	60.9	60.5	61.1
1939	61.7	61.0	60.8	60.8	59.4	60.9	...	...	...	...	...	...	...
Mean	60.8	61.6	61.7	61.9	62.1	62.5	60.9	60.4	60.7	61.9	61.0	60.6	61.3

Lat. 10° N. Long. 170° E.

950 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1929	59.8	60.9	62.5	63.0	62.7	62.6	62.2	61.9	61.9	61.8	61.0	61.6	61.8
1930	61.0	63.6	62.8	61.9	63.6	62.0	59.0	59.8	59.6	61.8	62.3	62.7	61.7
1931	61.6	62.8	64.2	62.7	62.7	63.8	...	61.2	...	...	...	61.3	...
1932	60.8	61.3	62.8	63.1	62.9	63.5	61.9	...	...	...	61.0	60.1	...
1933	59.9	61.5	61.2	61.8	...	...	...	...	...	...	61.9	60.2	...
1934	61.8	...	62.0	62.8	62.8	62.7	62.1	...	...	...	61.7	61.4	...
1935	60.5	63.1	62.1	62.3	63.4	...	61.4	...	...	61.3	...	60.8	...
1936	60.6	...	63.8	62.9	62.2	...	60.5	...	61.1	62.3	60.5	60.3	...
1937	59.9	61.8	60.7	61.0	65.2	62.7	61.6	60.6	...	62.1	62.3	61.4	61.7
1938	60.6	59.3	61.5	62.0	...	63.3	62.2	...	61.0	63.1	61.3	61.3	61.6
1939	62.4	61.3	60.8	61.0	59.7	60.5	...	...	...	...	...	...	...
Mean	60.8	61.7	62.2	62.2	62.8	62.6	61.4	60.9	60.9	...	61.5	61.1	...



PART III  
ADDITIONAL DATA  
ARRANGED ALPHABETICALLY BY GRAND DIVISIONS



ADDITIONAL DATA  
AFRICA  
MAYALAPYE, BECHUANALAND PROTECTORATE

Lat. 23°6' S. Long. 26°40' E. H = 3,296 ft.

TEMPERATURE IN DEGREES F.

Means of  $\frac{1}{2}$ (Max.+Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1917	80.3	77.8	78.6	73.0	67.1	56.0	52.6	62.6	67.9	73.4	76.5	73.9	69.6
1918	71.5	74.4	71.5	65.7	59.8	56.9	58.5	57.3	72.0	77.1	78.7	80.2	68.6
1919	78.4	75.8	74.2	70.4	58.8	57.4	57.9	59.9	67.8	76.8	76.6	80.7	69.6
1920	81.2	76.8	73.0	68.0	63.7	55.2	57.1	62.2	67.2	76.5	77.8	79.8	70.4
1921	78.5	76.5	74.4	68.0	61.0	57.0	54.2	58.7	66.0	76.0	76.6	76.4	68.4
1922	79.8	76.4	76.2	68.8	62.9	56.5	56.1	60.6	67.9	75.8	77.3	79.9	69.4
1923	74.8	73.9	71.2	65.9	60.6	55.3	54.3	60.8	67.6	75.9	79.9	77.1	68.1
1924	80.8	73.4	72.3	64.7	60.5	54.1	53.4	58.6	67.3	72.8	73.5	77.9	67.0
1925	...	74.9	72.8	66.9	58.1	55.0	53.8	58.4	63.7	72.1	75.6	81.3	67.5
1926	81.0	81.2	74.1	69.7	63.4	57.7	52.4	60.0	68.5	74.9	76.9	77.5	69.8
1927	79.9	75.1	72.9	68.2	60.0	54.4	54.7	58.2	69.0	72.4	76.4	77.5	68.3
1928	76.7	76.3	73.1	68.9	58.8	56.6	54.4	56.8	69.5	76.8	76.8	76.7	68.5
1929	76.9	74.8	70.6	67.8	63.5	58.8	56.5	58.8	71.8	79.2	77.0	74.4	68.9
1930	75.3	76.1	72.5	67.4	57.8	54.2	54.5	59.0	67.9	74.3	80.4	77.9	68.1
Mean	78.1	76.0	73.4	68.1	61.1	56.1	55.0	59.4	68.2	75.3	77.1	77.9	68.7

TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1917	3.51	2.14	0.07	0.43	0.37	0.09	0.03	0.52	0.29	0.40	4.10	5.15	17.35
1918	11.11	3.21	7.11	0.00	0.04	...	0.03	0.89	0.81	2.94	1.36	4.99	32.50
1919	6.00	4.79	2.24	0.65	0.34	0.03	...	...	0.07	0.12	4.03	1.15	19.42
1920	4.27	5.13	2.34	...	...	...	...	...	...	3.75	0.88	2.60	18.97
1921	2.75	3.41	7.38	1.93	1.46	...	...	...	...	2.03	5.47	4.34	28.77
1922	1.93	1.46	2.10	...	0.62	0.27	...	1.13	...	1.30	2.62	0.70	12.13
1923	11.30	3.32	2.95	0.45	0.19	...	...	...	0.09	0.21	1.56	2.05	22.12
1924	1.48	3.69	4.00	...	0.40	...	...	...	0.56	1.37	2.96	3.12	17.58
1925	5.62	1.64	6.04	1.59	2.20	0.25	...	0.01	0.82	1.35	1.16	0.46	21.14
1926	1.75	1.41	1.13	0.02	0.43	0.10	0.43	...	0.08	0.47	2.83	1.61	10.26
1927	2.11	2.62	0.99	0.40	0.01	...	0.12	...	...	3.55	0.41	3.31	13.52
1928	5.76	1.24	3.02	0.51	...	0.02	...	0.75	0.88	0.15	4.06	3.88	20.33
1929	2.10	1.71	1.24	...	0.16	0.02	...	...	0.88	2.71	4.07	2.67	15.56
1930	3.94	2.72	1.10	0.64	0.20	...	...	...	0.03	0.01	2.07	2.84	13.55
Mean	4.55	2.75	2.98	0.66	0.54	0.11	0.15	0.66	0.45	1.45	2.68	2.78	18.80

## LOURENÇO MARQUÊS, MOZAMBIQUE

Lat. 25°58' S. Long. 32°36' E.  $H_b = 59$  m.PRESSURE AT SEA LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Means of 24 hours, 30th meridian E.

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1921	59.39	59.58	60.96	63.57	64.53	63.20	68.12	66.14	65.41	62.62	61.56	59.33	62.87
1922	59.23	60.12	60.86	64.10	65.63	65.74	66.01	63.07	65.23	62.25	59.82	60.66	62.89
1923	58.16	59.62	60.61	62.05	63.68	65.12	65.25	66.77	63.81	62.68	59.27	60.30	62.68
1924	60.10	61.23	61.40	64.29	63.90	66.36	67.97	66.53	65.25	62.11	61.27	60.69	63.42
1925	58.67	60.48	59.71	62.96	63.75	64.43	67.78	67.38	64.81	62.79	61.10	60.09	62.82
1926	59.36	58.83	61.12	64.61	64.04	68.05	67.65	67.42	64.19	61.93	61.77	59.88	63.32
1927	60.07	59.94	61.93	63.32	65.24	68.47	69.39	65.83	65.18	63.49	62.02	59.75	63.72
1928	59.19	61.02	61.59	64.39	67.38	65.01	69.33	68.10	63.43	61.71	61.15	59.20	63.46
1929	60.19	59.58	62.07	63.36	63.85	65.97	67.33	67.78	63.97	62.05	60.16	59.42	62.98
1930	60.93	61.46	61.77	62.64	67.42	67.54	67.00	65.84	63.50	63.64	61.41	59.78	63.58
Mean	59.53	60.19	61.20	63.53	64.94	65.99	67.78	66.49	64.48	62.53	60.95	59.91	63.17

TEMPERATURE IN DEGREES C.  $h_1 = 1.45$  m.

Means of 24 hours

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1921	25.12	26.09	25.08	22.34	19.84	19.67	17.40	18.59	20.52	21.94	22.61	24.54	21.98
1922	25.69	24.96	24.62	22.59	19.77	18.55	18.66	20.20	21.21	22.28	23.80	24.91	22.28
1923	25.47	25.65	24.83	22.95	20.22	18.10	18.74	19.61	21.36	23.02	24.71	23.87	22.38
1924	25.09	24.02	24.22	21.96	20.26	18.29	16.96	18.54	19.67	21.59	22.90	23.95	21.45
1925	25.01	26.18	24.82	23.15	19.72	18.77	17.58	19.48	20.24	21.93	23.50	25.38	22.15
1926	25.92	27.11	24.72	22.45	20.55	18.52	17.25	18.98	19.74	22.08	23.15	24.85	22.11
1927	25.55	25.60	24.75	23.23	20.09	17.90	18.43	19.30	21.32	22.22	23.07	24.48	22.21
1928	25.30	25.03	24.72	22.23	19.48	19.15	17.44	18.31	20.17	21.91	23.86	24.75	21.86
1929	24.57	24.64	23.19	22.27	20.88	18.54	18.04	18.18	21.24	22.18	23.22	24.24	21.77
1930	24.94	24.50	23.99	22.38	19.46	17.31	17.89	18.27	19.83	21.52	23.38	25.65	21.59
Mean	25.27	25.38	24.49	22.56	20.03	18.48	17.84	18.95	20.53	22.07	23.42	24.66	21.98

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 1.05$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1921	59.8	44.3	215.0	21.6	34.6	2.9	4.3	6.8	42.0	120.2	205.0	159.5	916.0
1922	13.0	13.1	24.7	84.5	50.6	45.0	5.4	10.2	38.3	82.8	146.5	65.0	579.1
1923	220.5	329.3	180.1	71.5	3.2	4.6	7.7	7.2	4.1	9.0	66.5	221.8	1125.5
1924	72.5	100.7	174.7	30.0	34.6	5.0	3.2	7.5	33.7	8.5	75.8	104.6	650.8
1925	53.4	201.9	561.1	37.0	21.3	1.1	19.4	4.1	42.9	51.9	36.0	26.3	1056.4
1926	277.0	49.1	191.1	5.3	13.0	16.0	34.0	2.7	29.4	12.1	59.2	43.5	732.4
1927	92.4	41.9	46.6	3.6	19.4	1.5	43.2	2.1	9.6	66.7	15.4	81.6	424.0
1928	258.6	6.8	84.8	48.5	37.2	1.0	16.4	5.8	46.9	21.6	46.8	210.1	784.5
1929	63.5	118.8	181.5	19.7	2.0	11.2	3.0	24.1	46.2	57.5	143.5	34.0	705.0
1930	123.7	144.4	196.6	37.4	3.8	4.7	5.9	8.7	4.3	5.4	131.4	106.8	773.1
Mean	123.4	105.0	185.6	35.9	22.0	9.3	14.2	7.9	29.7	43.6	92.6	105.3	774.7

UGANDA  
PRECIPITATION IN INCHES  
(Departures from monthly and annual normals) \*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1895	-0.26	-0.29	+0.76	+7.09	+5.50	-1.95	-0.55	-0.22	-0.25	-0.13	+4.74	+0.32	+14.76
1896	+0.12	-2.27	-0.25	-1.54	-2.93	-0.93	-1.09	+1.21	-1.49	0.00	+5.55	-0.38	4.00
1897	-0.58	+0.23	-0.67	+0.52	+0.34	+0.84	+0.24	+3.34	+4.22	+2.77	+0.18	-1.28	+10.20
1898	+1.00	-1.57	-1.08	-2.24	-3.97	+2.11	+0.07	+0.16	+0.70	-0.06	+0.36	-1.08	5.60
1899	-2.00	-0.12	-2.55	-0.52	+0.07	-2.35	-1.77	-2.35	-2.09	-0.94	-0.95	-0.13	-15.70
1900	+0.92	+2.69	+1.30	-0.95	-3.45	-1.21	-1.76	+0.27	-0.42	-1.07	+2.44	+5.05	+ 3.81
1901	-0.69	+2.57	+0.88	+0.33	-0.74	-2.06	-0.44	-2.02	-1.65	-1.25	-1.17	-1.58	7.82
1902	-0.97	+0.02	-1.03	-1.21	+0.71	-1.11	-2.18	+1.52	-1.32	+0.80	+1.18	+0.36	3.23
1903	+2.27	-1.50	-0.11	+0.60	-0.59	+4.30	+0.65	-1.46	+1.72	+0.98	-2.64	-0.40	+ 3.32
1904	+0.84	+0.49	+1.89	-1.33	+0.61	-0.41	-0.89	+1.05	+0.36	+1.30	+2.29	+2.52	+ 8.72
1905	+0.92	-1.08	+3.80	-2.36	-0.22	-0.84	+0.79	+0.03	+1.21	+2.41	+3.04	+2.55	+10.25
1906	-0.95	+2.55	+2.62	+2.03	-0.58	+1.55	-0.13	+0.99	-0.03	+0.96	-2.44	-0.88	+ 5.69
1907	+0.07	+1.27	-3.05	+3.87	+3.05	-0.15	-0.07	-0.97	-0.15	+0.87	+1.96	+0.36	+ 7.06
1908	-1.12	+0.12	-2.39	+1.00	+1.52	+0.51	-0.08	+0.93	-1.86	+0.30	-0.66	-0.22	1.95
1909	+0.39	-1.77	+1.10	+3.32	-1.56	-1.17	-0.16	+1.82	+1.75	-0.58	-1.13	+4.06	+ 6.07
1910	+1.40	-0.31	+0.95	+0.87	+2.00	-0.33	+1.83	+0.59	-0.82	+0.89	-0.26	+0.44	+ 7.25
1911	-0.24	-1.82	+1.95	+0.04	+1.54	-0.91	-0.88	-0.81	-2.02	-0.40	-3.19	-1.79	8.53
1912	+0.69	+0.19	+0.27	+1.42	-0.20	+0.41	+0.27	+1.19	+0.49	-0.90	-0.06	+0.56	+ 4.33
1913	-0.82	+0.64	-0.13	-0.11	+0.02	-0.51	-0.28	-2.29	-1.97	-0.51	-1.87	-1.49	9.32
1914	-0.29	-0.63	-0.14	-2.57	-0.59	+0.66	+0.78	+0.11	+1.50	-0.45	+1.60	-1.34	1.36
1915	-0.68	-0.88	+0.94	-1.59	-0.52	+0.60	-0.80	-1.91	+0.57	-0.71	-0.73	+0.85	4.86
1916	-0.55	+1.13	-0.57	-0.06	-0.82	+0.68	-0.63	0.00	+2.07	-0.59	-1.16	+0.06	0.44
1917	+0.65	+1.71	-2.88	+1.98	+0.58	+0.30	-1.42	+0.79	+0.43	+0.64	-2.62	-2.05	1.89
1918	-0.30	-1.77	-1.72	-0.63	-0.37	-0.69	-0.51	-1.03	-0.89	-1.55	-1.79	-1.03	-12.18
1919	-1.04	+2.54	+0.45	-2.22	-0.55	-0.97	-1.63	-0.53	-0.89	-0.82	-0.12	-0.86	6.64
1920	-0.52	-1.72	+0.22	-0.68	+0.26	+0.58	+0.24	-1.16	-1.41	-0.34	+0.04	-0.07	4.56
1921	-0.65	-0.73	-2.44	-2.93	-0.59	-0.25	-1.85	-0.26	-0.21	-0.46	0.00	-0.32	-10.69
1922	-0.98	-0.07	-2.25	...	...	...	...	...	...	...	...	...	...
Norm.	2.17	3.06	4.60	7.35	5.82	3.58	2.48	3.80	4.60	4.76	5.16	3.33	50.71

\* Authority, C. E. P. Brooks, M.Sc., Meteorological Office, London.

## ASIA

## SINGAPORE, MALAYA

Lat. 1°17' N. Long. 103°51' E. H = 3 m.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{3}(9^b + 15^b + 21^b)$ , 105th meridian E.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1911	9.9	11.1	10.3	9.4	9.1	9.6	9.9	9.8	9.4	11.3	10.1	9.9	10.0
1912	11.5	11.0	10.3	10.0	9.5	9.1	9.0	9.6	9.3	9.9	9.9	10.2	9.9
1913	10.5	10.4	9.2	9.1	9.1	10.0	9.5	9.9	10.4	10.9	10.2	11.1	10.0
1914	12.3	12.0	10.6	10.7	9.6	9.5	9.5	10.5	10.6	11.4	9.7	10.4	10.6
1915	12.0	10.9	11.8	10.1	8.7	8.0	9.5	9.6	9.4	7.4	9.3	11.5	10.0
1916	11.1	9.2	9.2	8.8	8.3	7.8	8.6	9.4	8.3	8.6	8.6	8.1	8.8
1917	10.4	9.7	8.3	8.1	9.0	8.4	8.2	9.1	8.9	8.7	8.7	8.5	8.8
1918	10.2	11.3	10.4	9.1	8.4	9.4	9.5	10.3	11.0	10.4	9.7	10.2	10.0
1919	11.5	11.8	10.4	9.1	8.4	9.1	9.1	9.8	9.8	10.1	9.8	10.1	9.9
1920	11.2	10.8	8.5	8.8	8.8	8.4	8.5	9.5	8.7	9.7	9.7	8.9	9.3
1921	9.2	9.2	8.9	8.6	8.5	8.4	8.6	9.6	10.9	10.1	9.3	10.5	9.3
1922	10.0	8.7	9.6	8.3	8.2	8.1	8.4	9.4	9.8	10.2	9.4	9.5	9.1
1923	10.2	10.5	10.5	8.4	9.7	8.4	9.1	8.9	9.6	10.5	10.1	9.8	9.6
1924	11.2	9.2	9.2	8.5	8.3	9.6	9.3	9.0	...	...	9.6	11.2	...
1925	9.0	10.1	8.9	9.6	8.8	9.0	9.9	9.5	10.4	11.0	10.0	11.3	9.7
1926	11.4	11.3	10.8	9.7	9.4	9.4	9.3	10.3	9.7	9.6	9.5	8.8	9.9
1927	9.8	11.0	8.4	9.0	9.3	9.4	9.3	9.5	10.9	10.8	10.6	10.4	9.9
1928	10.8	10.4	9.8	8.9	9.2	8.6	9.4	10.2	9.6	10.3	10.7	9.5	9.7
1929	10.1	9.3	9.1	9.1	8.8	9.2	9.3	9.7	9.7	9.9	9.4	9.7	9.4
1930	10.3	11.6	9.2	8.6	9.6	9.1	9.3	9.8	10.4	10.5	11.1	10.3	10.0
Mean	10.6	10.5	9.7	9.1	8.9	8.9	9.2	9.7	9.8	10.2	9.8	10.0	9.7

## TEMPERATURE IN DEGREES C.

Means of  $\frac{1}{2}$ (daily Max.+daily Min.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1911	25.9	27.3	27.4	27.8	27.9	28.2	28.4	27.3	27.5	27.3	27.5	26.8	27.4
1912	27.4	27.5	28.3	27.9	27.9	27.6	27.7	27.4	27.5	27.4	27.0	26.7	27.5
1913	26.5	27.3	28.2	27.2	27.9	27.4	27.7	27.6	27.5	27.7	27.2	26.9	27.4
1914	26.5	27.7	27.6	27.7	28.9	27.5	27.9	28.1	28.0	27.8	27.7	27.4	27.7
1915	26.7	27.3	27.5	27.9	28.3	28.4	27.4	28.3	27.5	27.6	27.5	26.7	27.6
1916	26.3	27.4	27.4	27.8	27.7	27.7	26.7	27.1	27.6	27.7	27.3	26.6	27.3
1917	25.8	26.1	26.9	27.5	26.7	27.4	27.4	26.8	27.1	27.3	27.3	26.2	26.9
1918	24.4	24.8	27.1	26.9	27.2	26.9	27.6	27.6	27.3	27.0	27.3	25.7	26.7
1919	26.9	27.6	28.1	28.1	28.4	28.4	27.4	27.9	27.6	27.5	27.1	26.3	27.6
1920	26.4	27.1	27.7	27.8	28.1	28.4	27.9	27.1	27.6	27.5	27.7	27.8	27.6
1921	26.4	26.6	27.3	27.6	27.3	25.2	27.5	27.6	27.7	27.0	26.8	26.8	27.0
1922	27.1	26.9	26.9	26.8	27.2	27.4	27.5	26.9	27.6	27.2	27.7	27.2	27.2
1923	26.2	27.1	27.2	28.0	27.7	27.9	27.2	26.8	26.6	27.2	27.1	26.5	27.1
1924	26.9	27.1	26.9	27.6	27.4	27.3	27.7	27.9	...	...	26.3	26.0	...
1925	26.0	25.7	26.5	27.4	27.9	28.1	27.7	27.6	27.3	27.0	26.8	26.0	27.0
1926	26.0	27.1	27.6	28.4	28.2	27.9	27.6	27.6	27.2	27.1	26.9	26.7	27.4
1927	26.2	26.6	27.6	27.3	27.6	27.6	27.0	27.6	27.3	26.8	26.7	26.7	27.1
1928	26.4	26.6	27.1	27.4	27.9	27.7	27.6	27.3	27.3	27.1	26.5	26.8	27.1
1929	26.0	26.0	26.3	27.6	27.9	27.0	27.9	27.6	27.2	26.9	26.2	26.2	26.9
1930	26.3	26.8	26.8	27.7	27.6	27.5	28.4	28.7	27.5	27.1	26.9	26.7	27.3
Mean	26.3	26.8	27.3	27.6	27.8	27.6	27.6	27.5	27.4	27.3	27.1	26.6	*27.3

\* Mean of 12 monthly means.



## SINGAPORE—(CONTINUED)

TOTAL PRECIPITATION IN MILLIMETERS.  $h_r = 0.3$  m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1911	294	65	29	97	271	95	105	224	142	230	430	258	2240
1912	136	379	19	179	196	217	110	280	170	255	194	469	2604
1913	499	235	528	279	199	325	116	65	225	267	416	298	3452
1914	618	77	237	338	70	222	101	33	65	55	176	187	2179
1915	235	140	110	230	72	164	214	165	137	195	309	337	2303
1916	61	11	271	78	240	219	287	260	156	197	380	231	2391
1917	412	267	289	238	181	97	56	439	277	201	183	281	2921
1918	634	49	34	219	193	345	169	66	241	163	141	237	2491
1919	326	118	249	229	213	104	274	157	123	238	238	189	2458
1920	388	175	152	78	95	57	193	267	223	247	363	95	2333
1921	421	214	227	203	175	143	156	153	212	385	257	89	2635
1922	153	199	158	168	358	127	86	293	145	269	424	207	2587
1923	401	47	251	81	112	110	232	144	135	88	167	214	1982
1924	177	501	379	94	171	153	130	190	306	214	143	129	2587
1925	490	344	153	116	251	144	106	161	180	376	278	359	2958
1926	139	179	104	180	65	137	220	149	277	192	212	317	2171
1927	338	130	307	274	237	138	77	165	159	220	232	298	2575
1928	300	330	231	220	104	93	219	231	213	231	430	172	2774
1929	116	135	207	38	187	307	39	173	183	158	240	136	1919
1930	103	79	187	252	157	265	137	46	223	235	296	188	2168
Mean	312	184	206	180	177	173	151	183	190	221	275	235	2487

CARIBBEAN AREA \*  
COLOMBIA \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.08	1.73	4.96	10.12	9.36	16.40	2.38	10.94	8.36	9.40	0.80	74.53
1932	0.00	0.00	0.10	5.59	6.69	5.83	6.17	9.60	15.07	18.56	13.61	0.79	82.01
1933	0.06	0.00	0.38	1.13	9.55	7.05	6.66	11.72	13.14	13.82	17.79	1.97	83.27
1934	0.18	0.00	0.00	1.40	9.01	9.92	1.47	2.58	2.51	15.65	5.82	2.10	50.74
1935	0.00	0.72	0.07	1.84	7.12	7.69	4.54	11.75	5.82	8.53	8.80	0.38	57.26
1936	0.00	0.00	0.98	0.54	15.45	15.02	3.67	5.09	9.60	8.62	3.31	0.02	62.30
1937	0.45	0.01	0.33	1.06	14.73	7.84	4.22	5.07	9.76	11.42	15.50	2.77	73.16
1938	0.00	0.14	0.48	2.38	8.31	4.86	4.41	9.46	4.15	15.51	8.13	2.30	60.13
1939	0.00	0.00	0.00	1.55	5.48	2.80	2.51	2.28	6.14	8.76	10.17	0.28	39.97
1940	0.87	0.00	0.18	2.03	6.36	4.52	1.78	1.86	9.26	11.42	3.79	0.02	42.09

COSTA RICA, EAST COAST \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.67	3.81	16.64	5.27	9.12	11.41	7.53	10.18	10.32	9.13	10.33	7.52	109.93
1932	8.60	2.66	7.62	14.99	8.72	7.11	12.19	8.42	6.36	7.48	33.70	15.91	133.76
1933	5.67	4.93	3.76	1.89	10.23	7.25	8.10	9.71	10.64	6.84	19.71	17.37	106.10
1934	5.37	2.62	3.55	5.50	8.23	9.82	19.34	14.58	9.27	11.15	16.12	20.37	125.92
1935	17.13	7.77	6.09	7.64	5.80	12.49	12.36	7.69	7.83	10.09	18.56	28.85	142.30
1936	4.52	2.00	5.91	13.10	7.97	8.48	5.92	9.43	4.55	10.98	18.23	7.50	98.59
1937	7.36	3.28	4.47	4.43	5.81	13.04	20.07	10.17	7.05	7.87	5.92	28.23	117.70
1938	22.08	11.01	7.11	17.32	18.86	11.80	11.88	11.76	8.92	12.55	9.81	21.72	164.82
1939	2.12	2.22	6.89	8.22	9.92	13.20	27.06	11.69	12.28	11.36	31.43	26.47	162.86
1940	12.89	19.34	4.66	4.51	10.54	11.80	18.26	13.68	7.95	11.83	11.23	11.15	137.84

CUBA, EAST COAST \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	3.45	1.92	0.27	9.96	11.04	10.32	2.78	0.88	4.07	7.53	7.47	2.73	62.42
1932	5.19	1.35	0.32	5.09	6.48	5.29	1.87	4.39	3.65	5.03	3.49	2.99	45.14
1933	2.70	0.26	0.53	1.56	5.05	10.21	0.84	5.60	4.26	10.35	8.11	6.91	56.38
1934	4.87	3.67	5.80	4.78	7.49	2.80	3.75	4.88	4.87	7.96	8.09	2.58	61.54
1935	0.72	2.96	3.30	0.24	2.57	4.66	1.87	3.60	2.31	14.83	3.59	2.22	42.87
1936	3.64	1.43	1.71	2.78	5.85	6.52	3.38	5.16	2.78	2.58	5.83	6.55	48.21
1937	2.34	2.49	2.40	2.99	9.87	2.95	1.65	2.22	4.83	6.86	17.41	1.23	57.24
1938	1.07	1.04	0.21	1.17	0.93	1.75	2.25	3.75	2.44	10.71	4.83	2.61	32.78
1939	1.11	1.51	3.47	1.05	6.07	1.28	0.94	2.56	3.22	4.81	13.10	0.97	40.09
1940	2.46	0.93	4.20	1.24	4.67	1.42	0.92	2.01	6.97	6.28	9.77	4.40	45.83

\* See NOTES, p. 63.

GUATEMALA, EAST COAST \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	5.42	5.56	3.03	3.98	5.72	11.45	12.16	11.06	8.36	17.47	2.94	5.26	92.41
1932	6.95	1.71	2.25	2.76	5.54	11.26	13.54	13.08	6.99	13.11	4.42	6.75	88.36
1933	2.98	1.31	2.93	0.63	12.53	12.61	10.13	9.24	7.88	13.70	10.96	8.60	93.50
1934	9.92	5.27	4.11	3.58	9.47	11.47	10.32	8.11	12.42	13.31	10.75	10.88	109.61
1935	5.25	4.48	1.61	3.86	4.71	10.02	10.21	5.94	12.09	31.84	4.53	7.19	101.73
1936	4.28	8.58	3.57	5.47	11.21	14.81	13.83	11.18	14.11	14.59	13.94	5.15	120.72
1937	5.84	2.85	6.02	4.48	6.79	8.87	16.88	14.11	14.19	9.46	5.72	15.50	110.71
1938	8.99	7.87	1.95	3.52	5.76	11.78	9.24	10.18	16.87	16.88	10.45	7.08	110.57
1939	9.66	1.74	5.46	3.36	5.82	8.64	11.78	14.85	14.73	8.90	5.58	7.93	98.45
1940	7.43	1.17	1.35	2.10	4.56	15.70	16.02	7.17	17.66	16.27	9.24	12.54	111.21

GUATEMALA, WEST COAST \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	0.00	0.00	0.00	1.03	12.60	17.13	16.57	9.42	23.86	12.70	1.15	2.45	96.91
1932	0.00	1.48	0.15	0.21	6.26	25.62	11.12	13.68	11.38	15.68	0.18	0.25	86.01
1933	0.04	0.00	0.63	0.38	12.11	15.83	14.08	24.42	38.23	6.52	0.39	0.47	113.10
1934	0.05	0.33	0.47	2.43	17.25	25.77	8.19	10.56	11.91	18.39	2.47	0.66	98.48
1935	1.33	0.00	0.10	2.13	13.77	8.14	12.90	15.38	8.33	24.32	0.76	1.30	88.46
1936	0.00	0.00	1.00	1.90	18.47	18.05	21.74	8.69	13.92	23.85	4.56	0.00	112.18
1937	1.05	2.18	0.82	10.97	11.39	8.97	6.28	12.00	17.50	15.35	1.49	0.52	88.52
1938	0.00	0.39	0.96	7.10	6.62	16.85	9.36	13.18	18.35	19.36	2.58	0.11	94.86
1939	0.05	0.14	0.79	4.00	4.06	8.94	7.65	5.74	16.40	8.45	0.28	1.09	57.59
1940	0.11	0.00	0.03	0.53	8.03	14.53	8.74	11.17	18.12	11.43	1.03	0.27	73.99

HONDURAS, EAST COAST \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	8.00	2.64	4.26	3.83	2.79	5.03	10.90	6.80	5.09	14.10	4.53	2.41	70.47
1932	2.68	0.16	4.60	2.28	5.62	5.51	9.76	8.86	4.12	8.07	13.40	4.98	70.04
1933	1.14	0.36	1.26	0.07	8.61	8.87	5.73	5.75	4.99	9.31	16.56	6.53	69.18
1934	5.35	4.44	6.70	1.34	6.35	6.05	5.05	4.23	5.55	11.40	8.20	8.57	73.23
1935	5.27	3.70	1.25	1.21	2.30	6.24	4.08	4.30	6.80	19.74	7.75	5.65	68.29
1936	1.04	2.24	2.81	1.19	4.66	11.21	7.75	4.06	4.78	6.56	19.38	6.52	72.20
1937	3.10	0.48	2.86	1.05	3.11	6.31	6.51	5.14	9.01	5.18	5.90	9.71	58.36
1938	4.52	1.99	0.54	1.41	1.75	4.97	4.03	6.08	7.93	9.00	14.42	6.65	63.29
1939	1.79	0.65	1.51	1.96	1.57	6.45	4.95	4.33	9.07	6.37	11.40	7.77	57.82
1940	3.66	2.80	0.55	1.71	1.26	6.47	6.98	6.05	10.44	8.63	6.07	5.75	60.37

\* See NOTES, p. 63.

JAMAICA \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1932	2.84	0.73	1.74	11.34	10.65	8.67	4.98	6.66	5.91	10.10	10.66	3.50	77.78
1933	1.41	0.48	3.82	1.08	5.98	14.92	12.29	15.21	12.78	27.69	13.69	6.46	115.81
1934	4.23	8.56	4.17	5.97	6.99	3.37	4.35	7.54	8.35	8.99	10.42	5.60	78.54
1935	1.36	5.05	2.54	1.55	4.91	5.12	4.87	9.58	9.97	17.08	4.67	3.48	70.18
1936	3.88	1.81	2.88	5.82	15.87	14.18	5.29	7.69	6.25	8.82	6.01	4.77	83.27
1937	4.71	2.69	2.50	4.24	10.09	7.01	4.07	6.21	7.25	8.27	16.45	5.48	78.97
1938	2.52	2.97	1.85	3.48	4.33	4.90	4.82	8.04	9.60	8.21	2.76	3.21	56.69
1939	2.88	1.35	4.59	5.18	5.10	7.03	3.77	5.17	5.80	5.56	29.25	5.10	80.78
1940	3.08	5.69	4.51	2.67	12.57	3.90	4.25	4.16	5.41	11.75	8.48	7.75	74.22

ALMIRANTE, EAST COAST PANAMA \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	9.91	2.10	14.33	8.16	7.84	9.13	8.15	10.34	5.39	3.23	5.22	10.13	93.93
1932	10.81	3.11	7.98	11.59	6.28	6.04	9.18	4.48	5.03	5.58	33.63	9.15	112.86
1933	6.45	7.47	3.00	2.12	6.71	4.12	6.22	6.47	5.67	4.94	10.27	18.06	81.50
1934	4.89	1.20	2.72	5.24	5.42	6.81	15.81	9.93	7.26	5.42	14.86	18.21	97.77
1935	20.13	4.82	7.49	5.96	5.05	8.96	11.91	4.86	5.03	4.74	12.79	29.96	121.70
1936	3.48	3.88	3.25	12.27	5.20	2.79	3.28	8.68	1.05	5.61	12.38	4.64	68.51
1937	9.82	3.54	4.68	5.59	6.71	8.58	13.49	8.50	3.36	4.90	3.70	18.88	91.75
1938	14.78	9.17	7.01	14.15	20.93	6.15	7.76	6.31	6.10	4.21	7.85	20.70	125.17
1939	4.15	2.05	7.59	6.86	9.42	10.56	23.93	10.54	7.99	5.45	22.82	11.59	122.95
1940	6.39	11.72	4.06	4.02	8.14	7.44	12.00	9.31	5.56	10.14	11.42	9.05	99.25

CHIRIQUI, WEST COAST PANAMA \*  
PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1931	1.46	0.23	1.89	4.74	15.32	12.90	15.73	8.39	13.06	16.98	8.98	3.11	102.79
1932	0.94	0.89	1.62	5.26	13.31	17.07	11.73	14.94	12.05	32.91	22.28	5.18	138.18
1933	3.47	0.44	1.87	1.56	14.84	10.76	9.80	15.54	13.99	22.24	32.48	9.67	136.66
1934	6.15	0.62	2.04	3.56	12.10	9.91	12.41	13.70	17.33	17.61	19.35	6.71	121.49
1935	5.11	1.43	1.89	2.23	18.27	14.50	15.90	12.78	13.79	25.67	14.73	1.98	128.28
1936	0.30	1.07	1.99	6.57	11.67	4.85	10.76	10.14	13.31	26.10	5.75	7.73	100.24
1937	7.85	3.49	4.26	3.18	14.05	13.31	9.42	8.17	17.93	14.10	31.95	11.80	139.51
1938	3.40	0.81	3.86	8.52	16.67	10.10	12.17	17.86	12.22	21.24	20.34	9.36	136.55
1939	0.68	0.75	2.58	1.92	8.80	9.96	9.19	8.99	15.25	15.27	13.32	4.11	90.82
1940	2.31	1.79	1.36	7.10	10.08	8.39	11.18	15.55	9.62	13.84	13.60	1.70	96.52

\* See NOTES, p. 63.

## EUROPE

## BERGEN II (FREDRIKSBERG), NORWAY

Lat. 60°24' N. Long. 5°19' E. H<sub>b</sub> = 17.4 m.\*PRESSURE AT STATION LEVEL: COR. TO 0° C. (32° F.) AND TO  
GRAV. AT 45° LAT.

Integral means

700 mm. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1921	48.3	64.7	52.6	62.8	57.5	60.6	58.8	54.8	59.7	58.4	63.8	51.0	57.8
1922	56.3	55.3	55.0	53.7	57.4	56.6	54.4	54.9	58.7	63.7	56.6	50.2	56.1
1923	53.2	54.9	65.5	58.2	54.5	55.6	57.1	53.0	54.0	45.6	49.2	54.8	54.6
1924	58.6	57.0	56.4	55.4	57.2	57.4	54.7	51.3	52.4	57.7	60.4	54.0	58.3
1925	58.2	47.6	59.0	55.7	56.8	59.7	58.9	56.0	53.5	54.7	57.7	48.4	55.5
1926	56.8	57.2	55.2	57.8	56.2	57.1	59.0	57.6	58.4	54.9	50.2	59.5	56.7
1927	48.6	60.1	53.2	51.3	59.6	54.5	57.6	55.9	51.3	55.3	58.5	64.9	55.9
1928	49.5	55.0	61.0	57.1	59.2	53.7	55.1	55.7	60.2	53.8	49.0	57.8	55.6
1929	67.5	67.9	64.6	57.8	59.4	55.9	58.2	55.4	58.9	48.7	50.5	46.9	57.7
1930	48.7	66.7	52.9	58.3	57.8	59.7	53.7	55.3	59.4	50.7	49.3	56.9	55.8
Mean	54.6	58.6	57.5	56.8	57.5	57.1	56.8	55.3	56.8	54.4	54.5	54.4	56.2

TEMPERATURE IN DEGREES C. h<sub>t</sub> = 1.7 m.

Integral means

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1921	2.8	3.0	4.5	8.0	9.1	9.8	12.3	12.5	10.2	8.6	2.8	4.1	7.3
1922	0.4	1.0	2.6	4.8	7.2	10.7	13.2	12.5	10.8	6.1	4.1	3.6	6.4
1923	2.6	0.7	4.9	5.3	6.7	8.3	13.8	12.4	10.2	7.8	2.8	0.6	6.3
1924	2.1	0.1	1.0	4.1	8.0	11.2	13.7	14.7	12.3	9.1	5.9	6.5	7.4
1925	4.1	3.4	1.5	6.6	11.4	12.5	17.7	14.6	10.9	6.2	2.9	0.4	7.7
1926	2.6	2.3	2.9	8.1	8.9	14.4	15.4	14.3	11.4	4.5	5.9	2.2	7.7
1927	3.0	2.9	5.6	3.5	7.0	9.8	16.3	15.5	11.9	7.1	2.7	-1.2	7.0
1928	2.6	2.7	3.8	7.6	9.5	9.4	11.0	13.2	10.6	8.0	5.1	2.0	7.1
1929	-0.2	-1.0	4.1	4.5	10.2	10.8	13.2	12.0	11.1	7.8	5.7	5.3	7.0
1930	4.4	1.6	2.8	8.3	10.6	13.7	16.4	15.6	12.5	8.7	3.7	4.6	8.8
Mean	2.4	1.7	3.4	6.1	8.9	11.1	14.3	13.7	11.2	7.4	4.2	2.8	7.3

TOTAL PRECIPITATION IN MILLIMETERS. h<sub>r</sub> = 1.5 m.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1921	385.7	203.2	384.6	133.1	210.9	79.3	184.8	150.7	242.2	402.7	46.0	303.3	2728.5
1922	94.4	131.2	119.9	74.7	278.4	115.2	134.5	181.5	134.8	116.0	238.1	186.7	1805.4
1923	349.7	89.3	32.6	37.4	189.4	120.7	99.3	219.6	329.6	332.2	234.9	164.1	2198.8
1924	169.2	199.7	144.5	82.4	89.6	120.9	133.0	166.1	236.1	179.5	167.4	359.2	2047.6
1925	283.1	177.6	110.8	151.0	83.4	109.1	43.5	225.7	246.9	242.4	131.7	147.1	1952.3
1926	75.3	150.1	198.6	65.4	67.0	54.9	87.3	147.9	209.0	213.8	153.0	315.8	1738.1
1927	315.9	125.7	74.9	196.4	105.1	122.6	55.5	127.2	198.4	306.2	99.5	3.9	1734.3
1928	237.7	215.9	35.3	57.2	14.0	184.1	214.6	144.5	216.0	219.7	196.6	244.1	1979.7
1929	70.7	42.1	210.3	60.6	134.0	143.6	162.8	415.4	216.1	420.0	312.4	202.7	2390.7
1930	406.4	35.7	162.2	64.0	74.6	184.4	62.0	159.5	110.4	284.1	300.3	220.1	2063.7
Mean	238.8	137.0	147.4	92.2	124.9	123.5	117.7	193.8	214.0	271.7	188.0	214.7	2063.7

\* See NOTES, p. 31.

## GJESVÄR, NORWAY

Lat. 71°6' N. Long. 25°22' E.

## MEAN TEMPERATURES, 1861-1920

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
-3.7	-4.3	-3.3	-0.5	2.6	7.0	9.9	10.0	6.5	2.1	-1.3	-3.2	1.8

## MEHAVN,\* NORWAY

Lat. 71°1' N. Long. 27°47' E. H = 6 m.

## TEMPERATURE IN DEGREES C.

Means of  $m = n - k(n - \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1898	...	...	...	...	4.1	6.8	10.1	9.9	7.8	1.6	-1.3	-5.7	...
1899	-7.5	-5.2	-8.4	-3.8	-0.1	5.4	10.3	7.6	8.1	0.8	-0.6	-3.3	0.3
1900	-4.6	-8.3	-4.8	-2.1	1.0	3.8	6.1	8.8	4.3	1.0	0.4	-6.1	0.0
1901	-1.5	-8.4	-3.7	-0.5	1.4	7.2	10.4	8.6	7.7	5.7	-3.3	-7.6	1.3
1902	-7.9	-8.1	-8.0	-3.2	1.4	3.2	6.8	9.0	4.9	-2.3	-1.9	-0.7	-0.6
1903	-5.1	-4.4	-2.0	-2.1	2.3	5.8	7.4	9.9	5.4	-1.5	-1.9	-2.5	0.9
1904	-2.9	-7.9	-2.4	1.1	2.0	7.6	9.2	9.3	7.6	4.3	-4.5	-7.2	1.4
1905	-4.4	-5.5	-3.2	-1.1	3.6	6.4	11.9	10.8	7.7	0.3	-3.7	-1.7	1.8
1906	-3.7	-5.4	-7.3	-0.3	2.4	6.3	10.4	6.8	6.5	2.2	-1.4	-4.0	1.0
1907	-7.8	-3.2	-1.2	0.9	1.2	9.1	9.0	9.2	5.2	3.3	1.1	-5.5	1.8
1908	-4.9	-6.1	-2.8	-0.6	1.7	6.2	9.5	10.1	6.0	3.0	-3.1	-2.3	1.4
1909	-2.5	-2.7	-5.3	-2.9	0.8	4.8	9.8	12.0	7.1	2.3	-3.7	-4.9	1.2
1910	-4.2	-1.7	-1.8	-1.6	3.6	5.8	7.7	7.4	5.9	0.5	-4.0	-3.8	1.2
1911	-2.7	-5.7	-3.1	-1.9	3.4	5.5	10.3	10.4	8.0	-0.2	0.3	-0.3	2.0
1912	-5.5	-9.6	-4.1	-2.6	1.9	6.0	8.5	9.5	5.1	-0.6	-1.8	-4.0	0.2
1913	-2.3	-4.4	-2.7	0.2	1.9	5.3	12.4	10.6	6.9	-0.1	-1.4	-3.8	1.9
1914	-4.7	-4.3	-4.1	0.0	3.8	7.6	9.4	10.3	6.4	3.2	-0.4	-2.7	2.0
1915	-6.1	-5.4	-7.0	0.4	1.5	5.3	13.0	10.7	5.4	2.6	-3.5	-7.8	0.8
1916	-5.4	-4.2	-4.5	-1.3	0.3	7.3	12.1	9.3	6.4	0.5	0.0	-4.9	1.3
1917	-5.3	-8.4	-6.4	-3.6	-0.9	7.3	8.4	9.7	5.5	1.9	-3.2	-4.3	0.1
1918	-9.0	-5.4	-2.2	0.9	2.0	8.0	10.9	8.1	7.2	2.5	1.2	-3.8	1.7
1919	-3.6	-7.3	-5.1	-2.9	4.2	10.4	10.2	9.7	7.0	1.1	-2.5	-4.8	1.4
1920	-6.4	-3.8	0.0	0.1	5.3	7.5	†11.5	†10.9	8.3	2.6	1.7	0.2	3.2
1921	-6.1	-3.3	-2.6	1.8	4.8	9.1	9.5	10.8	6.2	0.1	-2.0	-4.0	2.0
1922	-4.4	-3.4	-5.3	-1.0	4.9	9.3	12.5	10.9	8.6	2.1	-1.1	-4.1	2.4
1923	-3.7	-3.6	-1.3	-2.1	2.0	5.9	10.5	8.0	6.6	2.4	-2.6	-3.2	1.6
1924	-3.4	-8.3	-5.1	-2.3	2.7	4.7	10.9	11.8	7.5	4.1	0.0	-1.1	1.8
1925	-1.2	-3.3	-6.7	-0.9	2.1	6.8	12.1	9.5	6.8	0.4	-2.6	-5.8	1.4
1926	-3.7	-5.0	-3.7	-2.3	1.7	5.7	8.7	8.4	6.6	-0.3	-1.7	-5.3	0.8
1927	-7.1	-4.1	-4.4	-2.2	0.9	6.5	12.4	11.0	5.8	0.3	-1.8	*-2.8	1.2

## MEAN TEMPERATURES, 1861-1920

-5.0	-5.5	-4.4	-1.2	2.3	6.7	9.8	9.7	6.5	1.6	-2.1	-4.2	1.2
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\* Authority, Det Norske Meteorologiske Institutt, Oslo, Th. Hesselberg, Director.

† Interpolated.

## SLETNES,\* NORWAY

Lat. 71°5' N. Long. 28°14' E. H = 7 m.

TEMPERATURE IN DEGREES C.

Means of  $m = n - k(n - \text{Min.})$ 

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1927	...	...	...	...	...	...	...	...	...	...	...	-2.4	...
1928	-3.5	-2.5	-1.6	-0.4	2.2	4.8	8.8	9.4	7.2	0.8	-2.3	-1.6	1.8
1929	-4.7	-3.2	-5.0	-4.8	2.7	4.7	7.8	9.4	7.3	1.9	0.6	0.2	1.4
1930	-1.6	-2.2	-4.2	-0.5	3.7	6.5	9.7	9.9	5.1	2.4	-0.1	-2.2	2.2
1931	-4.0	-4.6	-3.6	-0.6	2.6	4.1	10.4	9.1	5.2	2.2	1.0	-0.3	1.8
1932	-3.1	-3.6	-3.9	-1.1	1.1	5.5	7.6	9.7	6.1	1.1	-0.4	0.1	1.6
1933	-2.0	-5.2	-4.7	-2.3	1.9	6.8	9.5	10.2	7.4	2.4	-0.3	-2.5	1.8
1934	-1.3	-4.5	-3.0	-2.3	4.3	5.5	10.9	9.8	9.7	...	...	...	...

## MEAN TEMPERATURES, 1861-1920

-4.6 -5.0 -4.0 -1.4 1.7 5.6 8.5 8.9 6.4 1.6 -1.8 -3.8 1.0

\* Authority, Det Norske Meteorologiske Institutt, Oslo, Th. Hesselberg, Director.

NORTH AMERICA  
 SAN JOSÉ, COSTA RICA, CENTRAL AMERICA  
 Lat. 9°56' N. Long. 84°8' W. h<sub>r</sub> = 1.5 m.  
 TOTAL PRECIPITATION IN MILLIMETERS \*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1901	4	9	24	1	129	284	398	342	432	478	183	25	2309
1902	5	17	25	41	335	180	163	116	258	188	95	2	1425
1903	5	0	3	25	371	341	213	392	250	301	65	133	2099
1904	63	17	56	79	234	355	130	181	203	203	71	39	1631
1905	3	0	29	20	208	259	108	203	272	330	76	53	1561
1906	1	5	1	107	145	446	244	217	213	273	75	19	1746
1907	0	2	2	0	101	282	201	130	197	247	101	25	1288
1908	0	0	6	45	317	406	237	185	237	463	83	165	2144
1909	18	5	0	96	197	227	370	426	349	279	116	78	2161
1910	29	0	14	28	186	116	287	224	377	365	162	32	1820
1911	4	21	2	57	398	298	109	184	120	236	...	...	...
1912	1	2	2	18	130	233	108	389	415	284	164	21	1767
1913	13	0	10	61	188	233	235	384	270	296	157	41	1888
1914	7	2	0	57	141	150	92	128	237	305	173	12	1304
1915	1	5	36	25	256	301	218	289	376	375	220	61	2163
1916	13	1	8	76	303	243	334	563	187	252	348	45	2373
1917	16	0	1	54	343	316	319	300	309	439	87	50	2234
1918	2	0	12	113	165	220	132	162	416	208	38	2	1470
1919	0	0	42	196	214	210	184	342	1282	752	111	42	3375
1920	0	0	25	10	169	196	125	269	308	420	58	26	1606
1921	0	18	0	63	116	201	107	234	...	...	69	27	...
Mean	9	5	14	56	221	262	205	270	335	335	123	45	†1880

\* See NOTES, p. 40.

† Sum of 12 monthly means.



UNITED STATES  
PERCENTAGE OF NORMAL PRECIPITATION  
BY STATES AND SECTIONS

## UNITED STATES \*

PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS  
Winter season (December-February)

	New England	New York	Pennsylvania	New Jersey	Maryland and Delaware	Virginia	W. Virginia	N. Carolina	S. Carolina	Georgia	Florida	Alabama	Mississippi	Tennessee	Kentucky	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota
1886	147	108	108	121	122	108	63	94	84	89	89	89	89	88	85	81	91	120	134	191	162
1887	148	127	123	117	80	106	110	96	78	84	51	85	70	118	124	139	128	130	162	178	131
1888	121	112	108	126	110	103	93	113	108	120	116	124	108	95	83	94	108	119	122	167	184
1889	115	120	93	110	97	108	71	106	130	129	206	86	72	65	59	71	70	99	95	154	89
1890	95	117	109	75	71	57	118	53	35	44	37	73	81	120	136	156	178	157	141	162	117
1891	153	133	132	144	141	132	129	120	91	103	58	109	121	132	116	121	103	85	109	99	113
1892	108	122	114	102	110	109	87	101	118	110	84	105	91	92	83	90	92	96	107	154	156
1893	78	96	113	98	90	93	101	96	90	87	101	90	86	101	91	112	108	93	120	112	122
1894	88	111	96	94	88	90	84	102	91	100	95	101	102	109	87	90	99	92	125	121	102
1895	80	90	101	95	90	100	97	106	121	116	90	98	82	92	91	92	89	69	88	77	78
1896	99	128	103	102	101	96	77	102	109	96	101	91	112	81	74	93	94	122	129	66	65
1897	77	66	71	73	85	94	93	92	122	108	117	78	71	73	92	87	90	110	105	99	154
1898	147	129	112	116	91	73	108	63	45	53	64	79	123	116	120	119	117	137	131	95	68
1899	96	86	109	126	128	125	110	126	131	124	169	101	97	105	110	96	92	86	87	54	68
1900	136	121	107	104	93	94	89	104	98	108	112	116	107	95	100	109	103	118	117	107	78
1901	54	68	57	56	61	63	55	80	109	111	128	94	89	63	49	50	51	62	67	57	53
1902	135	118	137	156	154	147	126	129	119	115	93	120	93	112	96	74	76	80	74	73	69
1903	127	118	144	148	155	129	144	123	135	122	168	134	142	128	146	137	128	114	107	94	118
1904	92	100	93	89	70	70	70	76	77	76	115	75	62	68	71	100	106	98	107	63	86
1905	76	84	85	92	103	105	96	101	88	102	80	112	124	100	81	79	92	79	86	102	84
1906	88	76	84	84	102	112	84	138	138	126	171	91	76	79	82	68	82	115	101	107	65
1907	83	87	110	94	99	75	136	66	68	63	36	75	76	92	142	131	139	144	113	104	115
1908	113	118	125	124	121	120	99	125	140	126	132	112	114	89	93	109	137	130	134	92	87
1909	124	116	114	109	100	101	105	91	80	88	52	95	91	103	119	132	120	117	115	101	146
1910	114	128	135	116	107	90	113	88	93	88	86	94	97	86	107	137	108	107	111	111	121
1911	77	86	91	83	86	95	105	74	49	59	30	73	76	87	81	101	81	85	90	87	88
1912	86	84	80	84	92	91	83	101	140	138	153	123	132	117	106	99	93	79	86	87	81
1913	101	106	108	100	89	86	113	92	95	90	104	122	156	145	156	138	128	106	90	95	69
1914	85	83	95	90	94	94	96	93	100	83	47	64	58	62	78	85	77	83	74	50	55
1915	123	130	152	165	154	148	133	148	125	110	160	106	121	114	102	110	95	109	95	112	121
1916	100	114	103	97	85	89	134	97	80	80	57	94	97	127	151	129	154	163	100	101	134
1917	96	87	88	91	93	87	112	88	90	105	95	109	105	106	120	98	93	75	69	79	124
1918	81	89	84	87	77	80	88	71	67	73	63	76	68	83	78	81	79	74	83	88	68
1919	92	77	88	100	105	109	100	122	125	139	127	124	98	94	84	76	95	89	92	100	140
1920	89	82	81	91	100	101	108	88	97	112	125	120	104	101	119	70	53	43	54	65	73
1921	98	98	91	107	90	98	79	123	108	99	76	107	103	100	78	79	88	78	88	77	72
1922	70	75	74	73	100	112	98	110	99	98	87	110	111	83	87	80	85	85	117	148	141
1923	99	103	99	108	112	112	128	104	99	108	75	115	118	135	140	105	111	86	78	70	92
1924	99	107	132	118	115	99	136	104	105	101	104	110	122	114	121	141	123	106	107	81	59
1925	77	92	84	86	90	100	88	111	137	145	112	134	118	107	106	88	88	93	84	66	84
1926	96	95	92	92	93	107	89	103	120	122	163	108	83	64	68	76	74	84	90	97	81
1927	86	87	97	81	89	105	136	81	73	71	58	89	119	140	127	100	83	82	70	75	96
1928	106	110	107	100	95	97	83	104	116	109	79	90	77	75	71	102	98	96	106	95	117
1929	92	82	80	85	83	87	79	108	119	117	80	112	96	86	89	105	107	114	95	120	105
1930	82	99	83	81	75	66	69	71	86	77	112	69	81	89	94	128	153	138	106	81	99
1931	70	70	62	65	62	67	67	73	72	69	113	62	71	66	56	52	42	39	52	43	32
1932	100	111	97	83	102	108	119	127	132	130	80	140	188	169	144	124	126	113	115	110	105
1933	72	68	70	81	98	111	96	117	118	123	80	121	131	122	117	89	118	122	99	101	89
1934	95	85	73	79	87	81	86	68	60	66	70	77	82	82	77	67	54	54	64	60	72
1935	117	100	89	90	106	106	89	84	68	67	60	68	84	92	83	70	69	86	86	101	100
1936	101	87	99	103	128	133	102	133	131	139	174	168	98	72	62	82	68	69	85	94	127
1937	132	123	139	138	168	171	157	157	145	188	114	136	142	181	193	168	175	161	107	160	162
1938	94	97	84	71	64	60	78	59	44	39	54	53	78	84	76	90	87	108	126	124	87
1939	101	112	108	114	113	122	110	130	128	118	61	117	121	135	131	101	119	122	126	133	143
1940	84	90	73	60	75	75	77	79	94	99	109	97	88	77	73	73	67	63	87	76	65

\* Authority, Climate and Crop Weather Division, United States Weather Bureau, J. B. Kincer, Chief.

UNITED STATES

PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS

Winter season (December-February)

	Iowa	Missouri	Arkansas	Louisiana	Texas	Oklahoma	Kansas	Nebraska	S. Dakota	N. Dakota	Montana	Wyoming	Colorado	New Mexico	Arizona	Utah	Nevada	Idaho	Washington	Oregon	California
1886	141	148	86	98	75	74	139	178	64	144	89	40	140	131	102	78	102	99	107	147	87
1887	124	86	73	58	32	16	70	114	120	174	114	72	51	48	34	64	71	124	156	200	89
1888	136	106	104	112	126	88	90	96	162	104	96	48	54	108	51	90	104	86	135	165	84
1889	96	115	99	84	208	132	96	83	115	95	63	67	53	106	124	72	60	78	76	78	49
1890	112	134	119	59	91	95	78	79	127	77	65	249	88	86	146	170	291	168	117	142	187
1891	106	79	94	130	127	93	118	134	116	92	93	94	125	168	145	98	111	103	93	81	101
1892	143	120	89	92	114	93	194	156	124	131	85	84	138	179	121	85	130	87	95	85	81
1893	115	76	117	73	90	122	86	86	120	144	126	89	111	97	31	100	131	106	88	81	102
1894	102	92	98	99	69	125	92	105	118	98	143	93	100	69	51	101	124	124	113	118	92
1895	70	69	78	80	72	65	106	86	72	81	105	91	141	130	162	137	189	89	87	89	163
1896	86	138	95	94	133	132	118	39	63	100	92	82	84	65	32	58	69	97	153	117	83
1897	108	129	85	83	80	92	106	78	135	154	86	64	122	122	131	122	105	92	119	97	92
1898	135	131	134	131	103	150	132	122	59	53	64	76	71	72	73	76	63	96	128	89	44
1899	50	88	83	88	86	97	102	66	59	46	108	162	98	98	82	98	69	94	117	90	40
1900	105	112	99	114	91	90	119	105	55	68	82	83	74	66	20	55	64	85	83	85	55
1901	67	57	60	101	61	45	75	68	43	60	77	65	57	92	104	77	133	92	108	105	99
1902	77	92	93	76	50	48	83	87	86	125	110	87	70	39	37	67	81	89	99	97	84
1903	112	120	133	132	168	150	137	171	131	104	98	105	106	127	73	85	84	99	94	109	71
1904	61	86	81	62	60	54	36	32	101	125	123	126	45	20	19	77	97	96	86	112	82
1905	119	79	102	131	106	94	96	105	86	86	76	92	83	192	238	92	71	63	71	80	89
1906	101	113	103	82	112	74	60	60	50	69	71	105	46	108	82	87	121	99	78	98	109
1907	111	132	119	66	74	97	135	110	145	184	160	142	96	158	187	165	166	131	103	117	153
1908	95	116	98	99	96	145	135	103	91	106	83	87	97	86	88	99	108	81	97	101	107
1909	115	95	73	70	37	25	52	86	126	76	119	145	154	48	149	168	114	128	107	125	202
1910	128	102	96	99	83	68	109	128	202	150	117	145	142	75	91	135	98	108	89	99	108
1911	125	91	74	62	91	89	179	106	91	132	109	149	153	132	113	139	155	93	68	84	140
1912	131	98	107	135	127	143	171	159	98	57	82	126	104	93	23	56	38	104	92	112	49
1913	71	104	124	152	107	101	97	76	65	65	98	116	102	109	107	71	42	85	89	85	66
1914	84	97	76	64	116	123	190	213	94	59	74	123	196	106	89	131	168	99	108	136	196
1915	178	126	126	124	125	161	179	191	193	93	60	80	123	196	205	104	80	60	59	69	173
1916	117	174	193	87	79	132	136	99	124	158	136	135	147	148	212	157	164	137	109	111	112
1917	68	58	75	106	45	45	39	68	145	172	128	131	113	84	114	112	77	106	66	77	113
1918	77	53	57	63	34	37	67	100	135	86	195	141	129	86	81	92	66	149	144	116	67
1919	120	84	100	123	145	145	184	176	133	113	91	53	100	124	107	74	77	94	104	97	91
1920	46	46	81	90	100	61	31	67	72	117	100	90	100	108	136	87	70	57	59	54	57
1921	74	75	97	97	81	123	90	104	63	64	76	82	96	68	37	104	83	111	118	121	113
1922	106	77	86	110	96	80	77	73	143	140	104	126	129	67	120	155	140	87	59	66	143
1923	49	96	126	113	117	88	15	34	78	123	129	102	98	88	64	114	73	102	104	101	91
1924	89	97	98	129	163	102	74	88	86	63	102	87	74	124	87	46	48	77	91	69	37
1925	91	96	81	103	61	80	91	146	108	65	119	93	103	70	64	104	76	122	102	105	89
1926	96	81	70	88	78	71	73	113	115	72	91	102	87	64	50	80	55	93	95	86	85
1927	76	94	127	99	123	149	83	97	60	90	105	87	122	126	163	117	79	122	112	111	112
1928	96	90	71	88	99	107	100	78	100	74	100	90	79	90	100	65	42	70	72	65	57
1929	129	116	113	120	103	123	116	80	103	83	94	90	78	76	69	95	59	76	59	67	57
1930	73	121	141	107	85	103	57	65	89	153	122	85	83	50	73	91	90	113	100	114	98
1931	40	67	71	92	130	115	64	57	44	42	39	43	65	116	115	37	39	55	85	53	55
1932	156	116	185	175	200	178	106	153	121	74	77	88	94	134	154	132	138	107	126	92	120
1933	82	131	126	126	126	167	65	45	54	86	104	93	70	104	124	98	89	109	111	107	78
1934	71	69	86	113	122	103	113	123	56	78	126	80	114	52	37	94	76	133	161	102	89
1935	87	88	100	81	94	70	72	67	64	61	81	70	74	102	156	80	91	79	113	85	85
1936	60	32	58	71	89	30	31	45	44	44	69	115	110	83	103	211	155	138	152	119	234
1937	147	158	167	112	78	99	128	96	92	107	102	100	110	94	148	154	153	102	100	100	123
1938	86	125	143	86	154	169	85	68	99	114	100	107	111	104	94	107	124	115	99	119	140
1939	99	123	149	100	110	113	87	89	112	98	80	101	125	141	117	104	68	90	105	83	65
1940	79	70	62	96	80	90	102	103	65	68	118	113	120	124	76	138	137	148	126	140	152

## UNITED STATES

## PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS

Spring season (March-May)

	New England	New York	Pennsylvania	New Jersey	Maryland and Delaware	Virginia	W. Virginia	N. Carolina	S. Carolina	Georgia	Florida	Alabama	Mississippi	Tennessee	Kentucky	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota
1886	87	100	110	119	133	131	111	115	105	132	130	124	106	103	100	97	88	93	95	98	120
1887	94	83	73	67	81	93	83	89	67	65	114	48	48	80	86	88	83	77	65	55	73
1888	124	115	96	126	94	114	97	127	142	119	90	112	92	92	89	91	94	118	107	137	141
1889	89	94	124	119	183	167	87	93	70	69	64	57	55	66	57	67	72	79	84	83	67
1890	142	130	142	117	118	101	153	92	101	99	122	95	116	112	132	138	131	104	127	111	81
1891	96	75	86	92	125	135	95	128	126	110	91	90	89	94	98	83	85	80	77	69	77
1892	92	106	110	111	122	102	111	92	81	85	46	96	108	118	132	121	147	156	121	135	157
1893	115	123	119	117	97	96	97	69	89	118	105	102	110	122	130	140	142	126	118	133	
1894	78	105	131	114	106	74	84	65	68	70	54	75	86	81	78	82	93	84	134	138	148
1895	94	74	81	98	104	120	74	146	145	132	115	107	86	89	75	53	48	55	70	72	81
1896	97	91	85	89	82	96	83	74	57	63	50	86	79	99	104	85	83	100	90	144	202
1897	111	110	109	111	100	93	97	109	97	118	89	107	86	145	137	120	126	117	119	86	77
1898	103	100	115	127	99	116	111	96	93	72	42	60	64	87	123	123	130	158	97	97	92
1899	96	95	97	92	92	107	111	117	85	78	65	78	64	110	127	100	89	99	108	115	113
1900	107	83	74	95	70	84	71	100	116	111	152	122	132	76	65	65	74	71	81	68	54
1901	175	145	140	149	124	139	143	155	162	134	118	117	81	91	81	94	77	67	84	76	76
1902	118	101	88	90	86	74	91	74	84	101	81	97	100	90	84	78	84	93	98	111	117
1903	90	82	90	88	107	113	104	120	109	126	108	102	78	108	95	103	94	98	101	138	148
1904	116	103	107	85	73	77	94	75	64	55	59	61	72	95	96	126	131	127	119	114	88
1905	63	74	86	77	82	92	103	111	110	93	120	90	121	96	101	113	109	97	116	106	125
1906	106	104	101	117	98	91	91	88	91	99	113	106	102	80	82	80	85	82	87	107	127
1907	81	87	93	107	103	97	105	97	98	96	89	120	137	109	80	117	101	94	103	85	63
1908	95	112	135	114	105	100	143	100	112	118	67	113	110	96	129	138	134	146	131	140	156
1909	106	108	106	106	99	101	106	108	118	132	98	156	152	118	125	114	114	119	120	110	88
1910	70	92	84	82	87	89	68	83	66	71	56	60	65	78	85	73	69	82	84	73	52
1911	68	72	77	80	63	77	78	76	54	81	88	91	95	96	96	82	91	82	92	96	89
1912	137	130	117	138	124	132	113	128	141	162	140	164	171	150	148	116	124	115	112	113	104
1913	117	128	120	130	121	123	110	116	107	106	107	107	107	100	102	147	133	106	115	133	104
1914	106	118	99	93	76	67	83	68	59	52	56	59	62	77	75	91	75	63	102	100	99
1915	45	51	68	69	60	54	67	85	106	82	100	71	67	68	77	67	77	87	62	81	96
1916	97	114	102	93	96	79	100	77	59	54	70	73	94	78	80	105	85	78	124	112	131
1917	94	94	85	98	99	111	125	109	109	114	62	107	92	126	119	109	115	110	98	91	95
1918	94	99	111	100	118	118	119	103	105	74	106	77	69	80	82	99	97	108	101	129	108
1919	119	127	112	121	117	108	92	103	93	93	142	118	135	123	121	116	113	104	122	99	94
1920	120	86	86	102	89	84	96	108	128	158	126	150	142	127	120	107	120	135	92	105	104
1921	93	93	96	97	99	87	85	95	96	76	96	94	127	92	97	127	110	113	119	123	104
1922	111	108	100	99	88	107	105	131	166	156	108	147	141	139	129	139	149	141	118	113	92
1923	95	80	83	84	95	96	80	115	138	154	136	147	169	137	112	89	102	103	103	83	71
1924	98	107	118	130	150	135	127	104	121	110	124	92	92	97	91	101	97	78	98	120	87
1925	88	93	78	79	61	61	62	65	55	46	90	48	52	56	74	71	61	59	59	53	63
1926	72	73	53	62	55	61	68	70	74	80	116	83	99	67	66	77	86	74	89	90	53
1927	67	92	95	68	86	90	110	73	67	57	46	68	121	140	158	125	167	174	113	114	121
1928	96	96	102	93	102	93	100	118	143	153	157	139	124	111	82	75	68	70	95	76	63
1929	131	148	127	117	116	116	120	129	166	166	119	132	121	148	120	127	136	136	145	102	80
1930	91	97	82	69	62	61	64	67	75	93	147	77	98	86	51	63	55	57	84	86	89
1931	109	109	108	97	109	111	110	107	101	79	128	74	74	73	85	94	81	91	88	61	68
1932	83	96	91	101	121	105	92	90	83	83	110	88	76	87	81	68	61	61	93	72	91
1933	126	118	146	132	138	117	147	95	69	86	138	111	125	120	132	158	161	147	120	124	102
1934	102	89	79	107	109	110	77	118	117	122	142	96	81	95	69	56	51	49	66	63	43
1935	69	77	76	58	95	117	130	106	80	96	91	121	138	124	170	103	129	142	78	80	100
1936	144	123	111	102	98	96	103	106	128	103	96	87	70	88	88	82	70	58	68	71	83
1937	116	105	101	95	108	93	84	84	105	106	127	112	79	80	78	89	88	86	88	89	131
1938	86	85	92	77	80	90	113	105	119	116	73	136	116	115	118	133	128	130	105	136	172
1939	104	87	82	102	97	74	96	85	95	102	109	100	99	95	104	102	100	102	87	76	68
1940	141	127	136	154	137	105	120	87	79	77	83	87	93	97	105	128	102	88	93	93	100

UNITED STATES

PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS

Spring season (March-May)

	Iowa	Missouri	Arkansas	Louisiana	Texas	Oklahoma	Kansas	Nebraska	S. Dakota	N. Dakota	Montana	Wyoming	Colorado	New Mexico	Arizona	Utah	Nevada	Idaho	Washington	Oregon	California
1886	91	74	62	108	53	34	87	114	102	118	94	50	112	61	67	63	76	93	106	116	122
1887	45	75	66	66	71	67	76	79	73	97	75	43	68	85	37	51	48	112	157	167	63
1888	143	91	95	94	137	83	102	150	106	50	86	133	87	114	86	54	74	58	97	81	69
1889	80	92	77	58	83	74	132	91	85	63	80	67	85	53	84	109	129	108	104	135	158
1890	80	91	142	122	136	135	69	76	68	55	64	124	87	75	65	71	135	87	90	77	111
1891	93	86	74	50	96	94	129	117	100	112	96	117	130	144	57	124	213	74	115	99	86
1892	184	151	139	110	79	148	153	168	175	129	85	113	121	82	120	111	140	139	111	109	127
1893	114	146	142	96	79	69	70	73	117	97	102	79	75	74	148	107	134	119	163	134	142
1894	81	90	135	101	110	105	70	54	103	136	127	91	96	64	70	80	93	120	145	141	57
1895	77	71	79	98	106	49	60	79	97	111	57	145	93	87	36	80	69	84	136	116	81
1896	149	126	87	75	53	64	117	150	123	225	135	119	86	32	40	96	162	131	125	151	151
1897	113	118	112	92	108	147	96	105	96	71	73	81	118	157	52	95	91	106	99	106	73
1898	107	159	108	51	83	135	140	111	107	94	159	119	118	73	86	134	123	90	73	72	41
1899	120	108	89	51	68	105	84	77	125	132	115	96	59	31	18	96	112	98	119	116	116
1900	94	73	78	145	173	98	104	109	81	58	132	113	155	122	123	81	126	106	119	94	92
1901	79	69	80	80	78	99	88	91	67	49	117	101	119	104	65	76	79	82	106	85	66
1902	100	96	88	88	90	173	120	97	111	167	126	76	84	56	57	83	100	94	115	114	95
1903	151	119	104	88	75	114	155	139	100	111	109	86	73	49	94	102	100	96	93	75	113
1904	112	126	90	74	99	84	129	91	72	100	96	128	102	39	44	129	124	123	103	141	171
1905	129	98	148	151	177	160	118	151	125	95	95	142	171	206	362	134	136	120	89	96	137
1906	97	75	90	86	85	97	91	129	143	154	143	145	148	100	158	194	169	134	67	108	220
1907	72	99	126	171	124	101	61	62	95	58	115	108	108	112	133	124	147	118	81	113	193
1908	142	133	120	106	143	152	98	92	121	128	180	135	78	91	103	106	64	99	123	88	59
1909	122	112	105	106	65	88	86	76	105	126	111	91	95	76	84	89	40	67	62	59	61
1910	59	91	91	65	93	69	77	55	66	76	100	76	69	46	50	43	24	87	82	71	63
1911	91	69	92	95	106	61	63	76	64	98	110	66	78	103	74	70	86	95	71	71	135
1912	93	123	128	154	91	108	104	90	101	162	130	112	114	112	214	135	112	120	73	112	159
1913	140	91	90	111	72	73	73	109	107	73	89	81	62	75	36	58	88	98	77	101	71
1914	88	62	91	111	166	97	86	91	108	101	89	94	117	164	62	87	76	77	75	83	62
1915	113	95	84	68	116	144	157	154	120	100	103	120	133	205	155	120	133	138	105	99	130
1916	106	96	64	95	91	76	89	78	116	113	101	82	91	105	104	82	59	112	135	129	70
1917	120	109	99	69	67	67	94	132	120	55	116	138	130	73	155	144	126	135	119	117	67
1918	115	100	83	81	89	96	114	98	122	110	73	107	83	64	104	95	85	81	74	55	129
1919	119	94	105	133	123	106	111	94	108	123	67	55	90	234	119	72	73	88	96	91	72
1920	127	118	132	89	86	107	93	135	160	78	121	126	120	100	110	157	120	114	93	103	134
1921	107	119	116	111	97	89	89	90	95	118	109	89	107	105	70	130	115	128	93	97	86
1922	100	134	133	151	166	164	162	98	96	114	119	101	101	107	121	115	88	101	88	99	91
1923	91	103	137	149	105	130	125	134	78	82	93	105	107	93	91	116	95	103	70	83	76
1924	67	79	90	92	103	99	88	65	54	87	68	89	114	97	125	88	52	36	31	36	59
1925	50	69	43	42	62	77	84	77	57	85	104	90	63	62	97	89	114	97	71	92	114
1926	55	68	74	169	139	83	67	56	54	62	57	85	128	224	292	109	71	64	59	59	96
1927	134	182	186	143	81	116	123	142	179	185	167	124	82	43	99	106	79	100	96	94	87
1928	137	118	91	92	97	97	139	142	121	63	50	104	124	114	84	115	60	71	81	76	86
1929	100	146	110	111	146	140	116	99	115	115	93	123	95	135	69	108	67	82	100	84	70
1930	85	57	95	79	101	99	96	135	93	90	86	86	88	93	178	99	143	105	92	79	99
1931	81	90	72	70	83	90	99	77	65	63	55	84	83	157	89	72	60	84	121	93	59
1932	86	54	65	91	79	55	69	81	119	112	116	106	77	108	48	94	102	140	148	143	60
1933	101	128	111	127	83	101	98	116	111	112	106	122	107	45	56	108	75	77	108	105	76
1934	37	59	93	107	96	70	61	33	35	29	58	58	56	77	78	32	48	71	94	71	32
1935	96	145	150	147	133	136	125	152	128	132	98	139	137	119	129	150	152	108	81	98	138
1936	59	53	51	83	106	60	79	78	62	45	63	59	71	87	72	67	52	69	91	84	64
1937	104	81	69	84	70	79	74	75	90	95	54	89	73	166	116	102	74	93	117	119	112
1938	134	125	108	97	99	131	154	123	119	96	124	117	135	73	134	156	176	131	102	121	168
1939	69	103	106	102	64	78	77	74	59	62	81	66	62	85	64	68	94	58	63	58	71
1940	82	78	88	77	85	91	103	69	81	111	104	91	91	110	69	77	91	107	110	103	100

## UNITED STATES

PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS  
Summer Season (June-August)

	New England	New York	Pennsylvania	New Jersey	Maryland and Delaware	Virginia	W. Virginia	N. Carolina	S. Carolina	Georgia	Florida	Alabama	Mississippi	Tennessee	Kentucky	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota
1886	79	81	84	83	112	121	94	140	122	121	129	117	122	114	107	95	132	84	94	80	92
1887	142	110	114	137	103	111	81	122	109	129	102	100	79	72	60	76	68	64	79	87	101
1888	94	83	107	92	83	88	109	69	66	77	74	112	112	109	128	119	110	119	84	90	99
1889	136	136	122	143	120	143	100	119	114	117	109	99	109	112	101	89	99	107	93	80	78
1890	98	111	100	106	91	81	116	101	83	93	95	94	106	93	115	101	103	92	101	123	108
1891	97	99	126	102	135	114	123	113	116	110	87	97	108	108	120	108	111	103	107	86	100
1892	111	143	105	86	83	84	82	102	103	121	105	139	145	117	89	112	105	113	128	137	122
1893	92	106	85	91	66	95	78	104	145	105	94	94	98	77	82	72	59	60	85	78	84
1894	57	67	53	49	58	70	58	92	117	112	104	99	105	81	65	53	55	53	56	46	47
1895	92	87	79	75	73	81	79	88	92	106	84	110	116	93	96	67	77	104	68	76	97
1896	86	97	109	96	80	113	132	98	108	93	118	91	70	106	124	147	161	128	124	84	78
1897	133	118	101	144	104	75	97	80	99	92	90	85	88	86	89	92	87	88	91	109	142
1898	110	108	101	93	93	103	116	113	133	143	118	120	126	107	104	103	96	110	95	93	100
1899	110	70	90	95	84	89	88	91	86	76	102	93	93	76	81	87	85	85	112	136	114
1900	77	88	93	79	86	79	98	81	89	107	102	132	153	126	115	101	128	122	133	127	126
1901	95	112	112	127	113	140	107	149	127	123	129	102	99	117	90	93	83	74	109	95	109
1902	113	129	116	115	84	74	85	69	82	77	76	51	67	84	76	121	123	165	140	113	114
1903	130	151	136	151	127	107	86	94	114	101	96	88	91	87	87	92	104	106	134	130	112
1904	93	105	104	110	100	101	79	100	112	91	95	93	113	82	77	87	80	113	90	94	103
1905	107	129	118	99	134	120	112	108	84	86	117	99	112	120	119	118	125	113	135	145	142
1906	103	101	121	120	155	156	115	159	148	132	118	107	91	114	124	122	107	92	107	107	116
1907	75	69	93	79	109	105	133	100	100	87	95	79	79	88	116	116	127	150	88	120	112
1908	93	81	82	91	94	120	86	143	119	95	94	77	120	100	92	84	65	82	92	87	110
1909	69	77	71	75	77	101	99	120	103	98	121	109	97	100	114	120	127	106	99	90	112
1910	82	74	74	77	88	116	97	122	121	107	125	117	125	112	138	69	94	87	77	60	55
1911	106	100	120	134	131	98	107	77	81	92	94	101	128	103	86	107	84	87	102	103	112
1912	73	71	108	69	93	69	118	80	89	112	111	111	115	111	114	118	125	110	112	124	98
1913	63	60	72	63	70	91	95	89	86	94	84	77	72	65	69	90	80	66	93	111	111
1914	87	99	93	89	92	77	92	78	92	91	74	93	95	100	95	94	84	72	123	134	141
1915	137	134	126	121	130	111	100	95	93	84	91	97	99	122	137	138	150	168	132	104	120
1916	116	90	104	82	107	115	105	137	144	138	98	165	134	140	111	90	112	104	100	101	111
1917	124	115	130	85	107	99	93	107	88	88	93	108	92	123	101	105	103	105	117	101	82
1918	91	87	84	69	66	96	87	83	79	85	78	81	78	83	84	81	92	93	73	79	90
1919	86	101	120	138	134	109	116	110	122	132	109	128	111	93	80	103	74	90	82	110	128
1920	107	107	111	135	134	130	108	116	104	111	94	116	115	124	106	121	94	92	116	107	106
1921	94	89	88	84	82	67	98	73	92	91	78	79	84	104	90	90	104	102	105	89	83
1922	151	139	94	121	113	123	100	115	112	87	101	79	86	100	86	90	71	66	111	95	66
1923	74	74	80	63	84	97	105	79	89	98	108	108	123	113	118	102	111	100	99	100	93
1924	80	86	101	84	93	96	105	97	94	80	96	82	52	76	92	103	112	147	121	141	118
1925	97	102	86	94	77	62	80	60	50	52	95	60	72	60	78	90	100	101	94	118	115
1926	83	105	104	110	117	91	117	85	88	101	121	125	102	125	128	122	117	120	109	114	96
1927	120	103	101	133	90	98	104	98	105	102	97	90	96	101	89	98	93	99	69	77	79
1928	126	136	142	153	151	130	130	116	137	145	114	138	132	149	161	130	136	136	126	130	135
1929	66	82	70	55	73	90	84	98	83	83	107	77	75	90	85	106	107	114	79	85	65
1930	88	85	62	86	47	62	53	69	73	71	92	66	47	50	44	56	61	61	65	83	73
1931	125	104	103	106	123	115	110	100	70	74	68	83	111	89	100	114	104	96	83	88	86
1932	97	103	74	69	73	63	104	71	99	113	105	106	95	101	112	95	111	123	117	88	87
1933	94	94	114	128	144	101	102	85	78	83	103	101	95	98	91	73	61	63	71	67	61
1934	90	77	100	82	92	99	103	106	87	97	108	121	107	114	114	96	100	96	72	90	81
1935	102	115	109	89	95	93	127	92	100	101	111	95	74	90	141	139	108	112	120	126	125
1936	90	77	92	87	82	85	88	97	83	92	101	104	73	79	57	76	57	53	77	79	64
1937	104	117	113	107	124	131	114	110	104	100	102	92	94	99	93	123	111	101	117	72	101
1938	151	114	102	148	111	121	106	103	86	103	91	111	109	122	130	110	129	127	119	135	89
1939	87	73	84	97	106	125	109	119	108	108	132	152	105	102	114	116	123	124	128	101	108
1940	83	90	94	90	86	141	117	115	105	121	107	125	151	97	80	99	70	79	134	142	103

UNITED STATES

PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS

Summer season (June-August)

	Iowa	Missouri	Arkansas	Louisiana	Texas	Oklahoma	Kansas	Nebraska	S. Dakota	N. Dakota	Montana	Wyoming	Colorado	New Mexico	Arizona	Utah	Nevada	Idaho	Washington	Oregon	California
1886	37	76	105	110	86	62	108	86	91	76	62	89	116	121	68	75	71	33	112	94	33
1887	75	83	66	99	112	78	101	104	170	116	146	93	128	108	105	45	60	119	68	78	41
1888	102	131	104	112	171	105	103	96	104	140	96	48	54	108	51	90	104	86	135	165	84
1889	93	86	112	111	143	100	112	121	87	63	37	97	74	70	76	62	107	34	98	83	56
1890	105	89	89	108	87	98	80	86	96	125	55	84	74	82	125	48	166	154	122	85	44
1891	122	126	121	98	83	120	118	167	95	121	151	113	109	65	52	102	158	109	170	193	151
1892	112	89	104	144	112	105	84	85	113	114	141	69	82	45	47	49	128	78	87	61	41
1893	84	95	99	98	72	113	99	80	66	85	57	62	82	92	95	84	51	38	88	48	31
1894	43	67	88	106	123	50	71	65	70	66	95	90	81	83	91	97	171	80	96	127	141
1895	107	139	140	123	133	173	154	105	88	116	85	128	138	126	79	55	24	61	42	34	27
1896	119	105	51	70	61	81	113	102	97	84	78	114	91	84	104	125	135	116	81	82	102
1897	79	98	82	85	83	87	96	95	101	113	110	100	112	93	77	49	71	99	133	125	104
1898	98	123	119	124	125	130	96	82	66	93	108	83	94	134	122	71	56	90	108	77	56
1899	104	96	87	131	126	124	110	94	114	86	86	103	98	89	90	115	93	123	103	141	
1900	130	106	128	126	140	89	88	113	124	110	63	48	54	71	33	24	54	57	132	98	50
1901	65	51	61	97	65	57	66	93	133	154	87	84	85	92	80	94	185	72	84	49	29
1902	77	92	93	76	50	48	83	87	86	125	110	87	70	39	37	67	81	89	99	97	84
1903	126	97	95	94	149	77	100	128	124	106	117	90	103	110	79	56	41	115	128	105	19
1904	100	139	127	102	114	160	155	129	104	118	63	97	125	94	126	91	174	94	86	91	62
1905	110	133	152	130	122	113	107	140	151	133	110	115	78	91	73	59	30	102	118	76	23
1906	96	109	136	90	135	168	118	94	113	104	128	112	94	102	115	145	152	110	92	119	253
1907	149	116	82	66	79	107	116	115	107	98	153	113	101	123	115	138	107	172	115	160	240
1908	95	116	98	99	96	145	135	103	91	106	83	87	97	86	88	99	108	81	97	101	107
1909	115	100	69	104	98	72	119	106	119	106	136	120	121	100	138	177	66	108	86	83	89
1910	68	107	125	123	56	80	81	90	74	65	75	55	81	87	98	88	57	28	48	50	33
1911	65	81	137	138	82	107	80	87	87	101	113	84	117	123	127	91	78	119	63	74	52
1912	90	97	105	114	91	98	106	94	106	108	115	138	126	116	122	115	118	164	181	205	126
1913	69	56	67	97	76	57	41	69	82	92	124	131	102	97	82	159	297	212	135	224	278
1914	88	77	93	107	116	88	97	101	113	138	110	83	130	148	128	174	141	132	77	110	193
1915	135	170	156	98	128	173	166	173	167	115	173	160	100	104	94	55	43	108	74	94	27
1916	71	93	87	103	95	90	85	93	116	120	147	86	107	108	115	116	45	136	141	167	151
1917	99	95	124	79	59	110	83	71	62	56	46	56	70	71	107	80	69	48	75	39	29
1918	106	69	79	85	64	72	60	79	106	97	98	115	104	95	117	120	110	120	97	76	68
1919	102	102	100	112	172	97	79	97	85	72	39	51	93	113	175	69	27	24	38	33	27
1920	98	86	103	126	146	114	103	99	110	91	92	85	99	113	85	107	118	94	127	143	151
1921	100	113	112	96	122	133	112	97	95	110	90	101	158	175	184	135	74	77	82	73	64
1922	99	80	76	105	80	74	85	90	112	96	104	110	87	70	97	132	165	113	55	85	95
1923	107	105	98	120	86	80	114	130	144	112	158	153	155	118	135	125	169	182	130	154	166
1924	151	141	74	43	54	91	97	106	111	95	96	49	42	80	59	60	28	68	74	62	21
1925	113	100	78	81	68	81	101	106	108	106	99	132	129	121	118	204	221	141	56	94	197
1926	106	103	103	102	115	128	79	99	101	89	96	131	92	83	66	98	68	116	86	88	46
1927	59	126	148	96	103	157	157	98	98	111	111	146	156	131	126	135	68	89	94	99	100
1928	143	164	156	127	108	140	145	112	118	162	141	146	101	93	78	66	49	80	67	59	23
1929	87	103	71	79	62	74	95	83	73	44	61	78	122	122	120	142	114	87	96	100	311
1930	86	56	36	57	58	69	85	96	78	71	70	137	123	110	125	173	82	105	58	47	27
1931	86	92	117	82	88	82	76	71	67	95	69	81	72	104	148	73	109	50	127	110	218
1932	136	118	103	79	110	135	115	107	101	98	124	95	104	111	99	177	126	113	96	49	48
1933	71	66	95	111	99	93	87	85	72	57	91	74	88	122	85	65	43	67	89	92	68
1934	90	67	64	96	50	60	51	63	78	68	80	89	65	72	95	88	103	80	62	91	187
1935	113	121	110	90	110	108	85	82	82	124	74	62	73	93	111	59	43	39	94	72	87
1936	60	32	58	71	89	30	31	45	44	44	69	115	110	83	103	211	155	138	152	119	234
1937	92	92	107	98	84	93	93	85	104	107	96	144	92	82	84	124	71	115	194	192	153
1938	112	91	91	107	98	95	93	84	73	96	120	106	91	92	98	100	166	117	47	72	85
1939	111	107	90	96	96	98	91	78	94	106	98	82	50	77	72	74	83	88	97	81	55
1940	122	94	117	174	126	105	83	65	83	100	80	77	70	81	88	55	87	65	65	46	20

UNITED STATES

PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS  
Fall season (September-November)

	New England	New York	Pennsylvania	New Jersey	Maryland and Delaware	Virginia	W. Virginia	N. Carolina	S. Carolina	Georgia	Florida	Alabama	Mississippi	Tennessee	Kentucky	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota
1886	107	102	108	83	78	79	90	54	44	70	69	83	108	110	102	117	95	96	109	107	101
1887	67	68	73	77	69	98	66	101	85	85	89	85	101	72	76	72	82	92	103	110	83
1888	185	134	128	148	145	167	153	171	185	204	136	133	96	125	100	111	113	89	89	71	56
1889	137	141	164	194	174	174	144	108	94	94	72	104	73	145	106	114	116	112	69	62	54
1890	131	144	125	112	133	142	149	100	132	145	130	116	109	112	116	150	113	85	110	108	99
1891	81	77	85	78	80	76	77	77	71	59	108	77	92	77	96	100	98	82	102	63	79
1892	82	83	82	90	86	84	75	77	87	87	110	82	77	91	78	66	81	74	91	67	46
1893	79	78	93	102	118	160	105	139	119	89	103	101	124	100	114	96	107	79	106	77	57
1894	109	124	137	155	105	104	80	117	145	102	151	63	56	44	59	91	75	93	96	111	101
1895	125	85	65	74	60	54	61	63	50	49	81	54	63	74	73	85	92	84	84	64	93
1896	120	107	121	91	100	109	117	119	94	105	85	88	98	121	116	109	102	107	120	124	144
1897	90	81	92	81	108	87	70	84	87	68	131	43	53	55	66	98	90	63	81	65	71
1898	141	122	115	136	116	133	116	139	135	177	105	146	150	126	125	115	125	124	116	92	110
1899	82	90	93	102	104	89	80	85	105	82	93	63	50	65	68	78	78	82	86	77	91
1900	112	108	90	94	94	115	108	98	106	116	90	144	117	146	136	95	96	101	114	164	178
1901	79	83	75	72	76	71	73	86	72	79	84	75	83	72	73	57	67	61	80	96	117
1902	99	94	114	134	165	128	102	122	126	130	139	130	124	120	119	115	120	105	108	94	98
1903	67	96	93	127	83	79	72	81	81	97	92	58	32	67	68	74	69	81	89	108	153
1904	85	85	77	101	87	65	46	80	67	51	93	49	49	55	44	45	53	67	84	113	118
1905	90	96	106	92	77	68	107	56	56	80	87	95	119	100	123	121	120	105	99	101	147
1906	86	96	88	78	87	122	100	105	99	112	72	153	179	177	140	102	110	119	105	119	133
1907	162	141	138	171	154	134	120	108	114	134	93	140	122	124	104	101	92	73	101	86	86
1908	48	50	47	54	63	87	42	98	91	77	112	61	54	72	48	34	37	51	55	65	95
1909	89	69	62	64	60	60	79	56	74	63	54	60	80	85	76	78	104	117	85	100	121
1910	73	93	93	88	81	83	84	72	94	83	107	80	83	80	120	118	129	103	90	78	67
1911	107	107	136	127	113	110	146	115	137	129	101	106	88	107	131	155	145	167	143	170	149
1912	90	107	110	105	105	90	79	92	115	119	129	104	71	68	60	79	79	89	103	89	71
1913	114	121	123	135	105	104	136	120	107	80	75	113	150	83	102	113	111	110	92	103	111
1914	54	59	53	47	52	82	67	119	111	141	109	126	104	82	102	77	63	84	75	93	99
1915	66	85	77	64	81	88	126	104	102	126	114	134	131	141	127	117	86	83	112	136	117
1916	78	86	87	59	83	75	90	73	68	68	96	72	63	73	84	83	75	87	113	125	79
1917	78	96	98	97	101	85	92	107	85	87	83	99	62	68	77	87	76	69	78	82	74
1918	116	110	96	65	72	90	97	117	113	138	119	193	177	122	95	103	101	103	110	80	99
1919	122	104	128	98	97	73	143	64	46	67	80	107	186	171	187	148	157	154	123	133	100
1920	111	109	96	95	89	102	86	104	104	90	106	80	86	84	79	89	78	65	81	80	100
1921	99	105	132	71	96	88	152	86	85	89	103	93	73	130	172	148	157	142	110	104	103
1922	59	60	55	44	56	56	66	67	80	68	131	64	73	60	71	74	75	78	97	96	109
1923	100	99	92	99	96	91	94	86	71	64	68	97	118	79	90	88	96	106	86	71	62
1924	80	92	87	73	91	112	97	132	168	138	147	43	28	68	72	78	60	60	66	69	94
1925	116	128	117	102	112	96	152	88	91	114	75	139	176	162	166	149	147	133	106	97	101
1926	114	132	155	115	129	116	158	78	73	96	104	133	93	123	145	175	158	193	140	148	156
1927	136	156	141	136	112	101	122	86	68	52	67	77	95	98	116	120	141	152	140	130	99
1928	80	82	67	71	84	107	92	153	168	110	117	90	76	121	95	79	87	112	123	126	97
1929	76	103	133	113	129	145	157	177	183	218	125	225	182	155	136	135	104	90	86	81	120
1930	76	66	52	73	89	49	44	93	120	145	114	175	152	97	62	67	78	89	69	81	129
1931	73	86	68	52	58	48	85	37	24	34	58	51	78	73	102	112	134	148	143	164	136
1932	146	129	121	150	153	150	101	160	155	152	116	161	179	138	107	113	132	96	104	65	74
1933	113	90	85	86	72	48	85	54	75	77	102	58	53	71	95	92	96	80	119	83	89
1934	119	107	122	135	157	145	98	136	104	97	73	132	154	114	94	75	98	156	131	170	132
1935	95	99	106	146	167	132	105	107	102	90	100	78	95	100	100	94	87	111	91	87	70
1936	92	106	87	83	73	91	95	131	131	106	88	71	73	107	116	122	140	137	113	84	65
1937	129	108	108	117	135	148	123	105	107	108	125	141	127	108	85	87	106	82	105	96	65
1938	86	85	92	77	80	94	113	105	119	116	73	136	115	114	118	133	128	130	105	136	172
1939	75	85	81	75	106	77	76	56	43	45	77	55	62	44	50	73	55	46	71	60	52
1940	104	115	99	113	123	88	94	70	68	63	66	68	99	68	70	80	76	62	97	84	106



UNITED STATES

PERCENTAGE OF NORMAL PRECIPITATION BY STATES AND SECTIONS  
Fall season (September-November)

	Iowa	Missouri	Arkansas	Louisiana	Texas	Oklahoma	Kansas	Nebraska	S. Dakota	N. Dakota	Montana	Wyoming	Colorado	New Mexico	Arizona	Utah	Nevada	Idaho	Washington	Oregon	California
1886	113	94	120	96	103	76	78	101	106	113	82	74	86	151	65	107	96	78	83	75	89
1887	110	94	67	99	102	99	86	110	77	65	99	44	76	138	131	22	21	57	98	89	28
1888	49	74	95	85	110	61	50	38	26	52	33	34	71	100	149	51	97	66	115	119	103
1889	63	109	130	58	132	130	95	76	109	70	66	85	102	92	91	96	167	58	101	136	237
1890	97	94	138	109	115	142	87	62	63	138	80	61	52	94	127	45	76	63	55	35	32
1891	75	61	69	82	62	45	84	85	82	101	101	109	79	79	19	77	66	59	132	81	36
1892	54	79	108	85	100	115	58	56	74	71	66	59	61	54	30	51	153	118	113	98	150
1893	62	72	89	113	62	60	60	38	66	78	147	83	56	91	62	67	90	137	130	165	97
1894	93	86	60	55	52	61	86	61	81	113	91	74	65	47	54	65	47	103	144	98	75
1895	65	66	73	75	96	100	64	58	68	68	74	101	83	85	150	90	74	64	62	67	69
1896	118	93	108	127	129	85	112	125	149	146	151	112	111	165	196	98	104	124	131	134	153
1897	50	42	52	81	75	47	68	117	72	44	143	95	118	122	104	164	157	141	129	115	88
1898	101	139	154	202	66	65	111	93	62	123	99	70	81	44	27	59	94	92	111	99	65
1899	50	74	65	55	113	127	82	55	75	66	81	77	100	82	80	77	78	120	144	135	183
1900	129	120	124	87	132	145	144	104	140	220	109	69	71	132	112	125	150	111	99	109	194
1901	99	55	78	78	86	61	92	155	169	121	96	55	44	123	54	53	125	77	107	91	127
1902	117	112	139	131	180	166	117	146	57	73	62	72	106	61	124	90	106	85	105	106	135
1903	82	88	51	34	66	68	103	77	113	135	96	108	70	45	67	87	70	119	112	134	140
1904	60	51	46	57	101	46	66	109	74	78	25	48	91	183	42	45	134	55	77	84	170
1905	131	147	112	135	109	105	144	150	126	109	89	106	97	158	267	137	102	90	89	81	63
1906	106	95	140	112	103	100	124	152	166	100	105	118	164	115	76	120	82	90	144	109	56
1907	69	75	106	127	159	101	94	78	72	67	64	61	75	107	131	77	94	68	76	76	49
1908	80	88	95	89	93	178	123	99	133	123	132	106	129	53	66	162	90	107	76	85	92
1909	146	120	84	79	80	113	163	152	118	67	159	122	152	90	64	154	186	193	139	177	167
1910	61	91	78	82	55	30	58	71	93	87	177	124	102	52	87	125	99	146	123	151	85
1911	128	125	82	96	67	62	88	128	167	137	166	136	152	124	148	123	60	112	95	100	47
1912	103	87	68	53	70	63	86	114	74	121	128	164	108	60	79	159	141	123	94	105	139
1913	98	126	173	196	192	153	124	86	100	115	110	171	125	117	121	130	124	123	113	109	128
1914	147	118	70	90	111	53	82	82	126	74	122	79	90	95	131	71	67	105	116	108	66
1915	121	96	93	100	73	111	109	125	145	141	119	160	109	80	61	105	59	100	106	108	54
1916	98	78	83	70	71	90	86	73	62	77	108	97	131	110	128	137	144	86	63	66	106
1917	60	53	54	49	43	47	53	88	65	63	79	73	69	52	46	67	45	77	50	69	41
1918	99	120	121	159	135	149	138	128	96	61	101	132	141	117	91	133	178	110	78	83	162
1919	153	143	192	165	191	145	113	167	147	104	109	169	161	177	245	163	108	111	82	102	63
1920	99	91	95	102	111	133	122	107	107	100	84	99	108	91	93	163	134	151	122	134	201
1921	120	127	93	66	71	52	66	88	138	147	103	61	62	37	73	74	50	106	123	127	67
1922	96	92	64	92	92	85	102	92	129	159	65	83	78	67	95	85	61	47	58	69	122
1923	99	106	120	139	159	229	158	138	145	125	108	209	148	179	158	111	136	101	62	75	69
1924	60	71	64	22	53	73	77	83	116	151	106	150	96	42	61	98	106	112	107	143	132
1925	113	152	187	184	152	134	119	90	70	120	131	137	144	107	163	138	146	92	56	69	88
1926	174	170	126	103	96	160	151	140	129	138	139	116	90	108	115	92	105	148	113	139	224
1927	113	124	98	83	83	93	83	76	90	97	159	145	134	87	127	179	142	215	170	159	145
1928	137	118	91	92	97	97	139	142	121	63	50	104	124	114	81	115	60	71	81	76	86
1929	105	104	90	169	107	124	119	161	187	130	86	141	144	116	80	104	28	37	28	21	89
1930	85	107	127	164	139	107	151	149	139	119	121	118	108	116	112	142	167	105	77	73	82
1931	201	132	93	92	66	130	143	130	106	132	92	107	118	135	167	99	117	100	117	103	109
1932	70	83	76	128	89	50	58	64	75	110	90	76	53	103	63	42	35	91	129	90	25
1933	76	88	94	47	63	95	64	67	45	65	94	51	83	80	133	54	57	92	121	72	44
1934	151	162	127	126	92	138	134	107	110	73	87	89	62	65	55	96	132	118	143	140	154
1935	116	116	114	79	129	108	140	83	37	43	51	64	98	107	89	48	74	47	59	61	61
1936	124	146	117	80	139	141	114	58	61	55	58	77	96	110	111	95	70	24	27	17	37
1937	55	70	134	145	90	91	67	76	53	86	98	98	82	99	70	105	83	111	129	139	117
1938	121	76	75	75	50	57	65	89	94	66	109	121	147	133	26	124	123	115	86	92	78
1939	36	55	67	80	58	43	29	26	43	45	60	59	59	98	177	133	168	36	60	46	76
1940	73	61	95	120	130	114	102	86	67	98	128	144	141	115	180	179	155	170	109	132	86

## NORTH ATLANTIC

## ST. GEORGE (PROSPECT),\* BERMUDA, WEST INDIES

Lat. 32°17' N. Long. 64°46' W. H = 158 ft.

## PRESSURE AT SEA LEVEL

Means of (see NOTES), 60th meridian W.

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1922	19.3	23.4	22.5	19.6	19.5	21.1	23.9	21.3	18.0	15.9	19.9	22.0	20.5
1923	20.3	20.3	21.4	18.7	16.1	19.3	21.2	19.7	17.2	16.6	13.9	20.0	18.7
1924	24.0	16.9	9.1	17.3	18.1	18.5	20.8	19.0	18.2	17.3	18.1	23.6	18.4
1925	22.7	19.8	18.4	17.2	18.2	22.1	20.8	18.9	17.3	17.5	19.6	16.2	19.1
1926	21.3	17.2	17.7	19.1	15.8	20.9	21.5	19.4	17.3	16.3	20.5	18.9	18.8
1927	22.0	21.0	19.9	18.5	19.0	17.8	22.4	18.5	14.7	15.9	21.2	17.6	19.0
1928	21.1	20.8	17.6	19.3	16.6	18.8	20.8	19.0	18.2	19.0	19.2	20.3	19.2
1929	20.6	19.6	19.3	19.3	23.7	20.0	22.9	19.6	19.7	17.9	18.4	22.6	20.3
1930	24.1	19.7	15.2	19.4	19.7	20.8	20.9	18.5	18.6	14.5	20.5	15.8	19.0
Mean	21.7	19.9	17.9	18.7	18.5	19.9	21.7	19.3	17.7	16.8	19.0	19.7	19.2

\* See NOTES, p. 45.

## SOUTH AMERICA

## ALTO DA SERRA, BRAZIL

Lat. 23°46' S. Long. 46°57' W. H = 801.37 m.

## TOTAL PRECIPITATION IN MILLIMETERS\*

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1870	787	279	356	394	183	56	249	516	399	351	300	264	4134
1871	584	363	513	323	165	307	318	114	460	249	292	427	4115
1872	648	1102	297	1273	348	384	292	117	170	277	292	363	5563
1873	356	185	706	213	183	170	173	229	269	262	267	356	3369
1874	373	445	175	800	216	274	231	135	246	361	224	483	3963
1875	460	488	432	267	132	201	218	79	226	236	206	714	3659
1876	170	401	371	114	170	183	229	224	135	450	373	460	3280
1877	391	511	264	330	267	183	135	274	178	348	358	279	3518
1878	315	307	437	320	305	244	175	305	274	246	353	409	3690
1879	495	358	259	180	109	163	64	137	137	94	74	300	2370
1880	798	711	406	338	188	168	69	79	297	244	340	439	4077
1881	538	572	701	500	107	373	226	246	239	122	325	366	4315
1882	511	683	338	554	168	274	361	135	234	312	318	310	4198
1883	706	297	368	338	119	51	155	279	246	198	333	432	3522
1884	191	569	246	69	434	160	445	307	163	493	460	404	3941
1885	589	160	274	185	188	165	135	122	307	335	109	330	2899
1886	206	739	351	404	30	132	231	328	201	297	312	500	3731
1887	762	132	277	193	287	56	198	30	450	635	188	498	3706
1888	401	234	485	462	284	140	74	371	284	234	452	282	3703
1889	122	251	201	257	259	94	76	234	231	351	236	259	2571
1890	155	569	450	130	284	376	127	132	302	180	531	251	3487
1891	638	300	310	371	241	160	218	213	315	284	272	373	3695
1892	472	434	561	828	277	414	64	147	368	363	284	318	4030
1893	188	554	345	292	147	254	117	526	287	274	267	282	3533
1894	231	254	340	498	94	345	79	132	203	462	361	706	3705
1895	526	704	460	157	361	38	140	269	236	498	290	160	3339
1896	884	282	488	170	236	234	297	38	284	240	295	267	3724
1897	279	381	104	124	442	188	206	257	536	191	356	338	3402
1898	310	191	404	279	140	66	71	218	417	257	434	135	2922
1899	310	213	384	315	79	257	76	180	287	378	445	417	3341
1900	483	396	361	480	330	165	127	145	107	239	505	531	3869
1901	343	262	422	292	145	18	257	216	198	173	183	396	2905
1902	627	257	490	478	10	305	18	340	262	391	864	533	4575
1903	318	434	137	368	290	71	124	249	173	323	221	368	3076
1904	665	254	99	132	318	152	64	160	376	445	358	424	3447
1905	584	345	676	86	236	145	236	198	269	137	315	860	4096
1906	356	607	465	269	5	259	224	104	249	135	505	457	3635
1907	447	465	74	175	404	175	236	163	320	391	272	360	3482
1908	453	427	241	448	313	165	48	79	175	307	452	404	3512
1909	414	221	383	127	152	165	335	154	147	294	137	389	2968
1910	299	358	394	187	208	74	163	88	249	146	96	93	2355
1911	137	118	324	229	152	187	349	276	258	462	366	299	3157
1912	346	322	307	347	255	172	164	98	252	416	411	351	3441
1913	487	174	220	251	344	230	69	172	253	203	707	138	3248
1914	295	394	256	213	26	160	38	69	188	321	412	525	2897
1915	493	33	277	69	141	386	344	201	198	258	473	335	3208
1916	213	394	766	392	188	174	105	78	104	362	313	472	3561
1917	461	322	193	173	282	21	293	53	189	270	277	248	2782
1918	358	136	251	288	606	112	249	202	320	380	394	330	3626
1919	490	815	229	135	99	208	5	335	338	488	401	257	3800
1920	305	333	439	183	168	213	239	348	302	264	300	196	3290
1921	310	465	185	318	135	277	119	180	140	140	323	269	2861
1922	541	259	240	234	150	173	86	119	198	257	472	274	4003
1923	259	267	744	119	246	224	61	94	279	170	295	452	3210
1924	610	561	287	262	312	183	203	81	262	206	290	447	3704
1925	470	310	805	361	163	175	155	33	437	224	630	394	3657
1926	627	394	180	282	99	112	104	655	295	269	579	485	4081
1927	356	452	333	193	97	193	56	274	396	401	320	457	3523
1928	696	422	434	348	201	127	411	61	399	340	353	338	4130
1929	622	267	432	198	439	56	175	160	345	399	457	1034	5584
1930	305	312	328	378	196	81	254	218	388	508	300	544	3810
Mean	439	384	356	298	216	185	176	196	270	304	350	390	3597

\* Compared with original records and corrected by J. de Sampaio Ferrao, Rio de Janeiro.

## QUIXERAMOBIM, BRAZIL

Lat. 5°12' S. Long. 39°18' W. H<sub>b</sub> = 207 m.

## PRESSURE AT SEA LEVEL

Means of (see NOTES on Brazil)

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1911	10.0	10.1	11.0	11.2	12.3	13.7	15.2	13.6	12.5	11.1	10.9	9.6	12.3
1912	10.6	10.8	11.1	12.5	12.5	13.8	15.2	13.7	12.4	11.1	9.7	10.9	12.4
1913	11.4	12.4	12.5	11.7	12.5	14.4	15.5	14.5	13.0	12.9	11.1	12.7	12.9
1914	12.4	13.0	12.8	12.4	14.2	14.6	15.9	15.6	14.2	13.0	12.1	11.6	13.5
1915	11.2	10.7	11.0	10.2	11.2	12.8	13.8	13.2	12.5	11.5	11.3	10.9	11.6
1916	10.8	11.4	10.6	11.2	12.9	13.1	14.6	14.5	13.2	11.3	9.9	10.1	11.8
1917	11.2	12.3	11.7	11.5	13.0	14.7	14.2	14.2	12.9	11.7	10.4	9.7	12.3
1918	11.0	11.5	10.7	10.7	11.8	13.4	14.1	14.6	13.5	11.3	10.3	10.6	11.9
1919	11.0	11.4	11.4	11.0	11.7	13.5	14.6	14.7	12.7	12.2	11.1	11.1	12.2
1920	10.7	10.3	11.1	12.1	13.8	12.2	14.9	13.3	12.9	11.5	11.7	10.9	12.1
1921	11.7	11.8	11.4	11.9	12.3	13.9	16.3	13.9	13.5	11.9	11.1	10.5	12.6
1922	10.7	11.0	11.7	13.1	13.3	14.1	16.2	14.2	13.4	11.9	10.6	11.5	12.6
1923	11.0	12.9	12.5	13.4	13.4	15.3	16.1	15.1	13.5	11.7	11.1	11.1	13.1
1924	11.0	12.1	11.3	11.4	13.8	13.8	15.0	15.3	13.8	12.5	11.8	11.4	12.6
1925	12.2	12.1	11.4	11.8	13.3	13.9	14.1	14.2	12.6	13.0	12.2	11.0	12.7
1926	12.2	11.4	12.2	13.1	12.7	13.9	14.2	14.4	13.1	11.2	11.1	10.6	12.4
1927	11.4	11.9	12.2	11.5	12.6	13.6	15.6	13.4	12.0	11.5	10.2	10.2	12.2
1928	10.8	11.4	11.5	11.8	13.0	13.0	14.7	14.3	13.5	12.4	11.0	11.0	12.3
1929	10.4	10.7	11.4	11.9	13.0	14.3	14.8	13.6	13.1	12.0	10.3	10.6	12.2
1930	11.6	11.4	12.0	12.4	12.2	14.3	14.7	14.8	14.6	13.0	12.6	11.6	13.0
Mean	11.2	11.5	11.6	11.8	12.8	13.8	15.0	14.3	13.1	11.9	11.0	10.9	12.4

## RIO DE JANEIRO, BRAZIL

Lat. 22°54' S. Long. 43°10' W.

## PRESSURE AT SEA LEVEL

Means of (see NOTES on Brazil)

1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1911	9.2	11.9	13.5	15.5	16.5	20.1	20.3	17.7	14.5	15.3	11.4	10.2	14.8
1912	11.0	11.1	13.9	16.3	17.9	19.8	20.8	17.2	19.5	16.3	11.6	11.9	15.8
1913	11.9	14.3	13.6	14.9	17.6	19.8	20.5	19.4	16.2	15.6	12.8	14.4	15.9
1914	11.6	13.5	14.0	16.8	19.8	18.6	18.3	18.6	13.0	15.3	11.7	13.2	15.3
1915	11.9	14.5	12.5	14.4	14.6	19.0	19.5	18.1	17.0	15.0	14.2	12.9	15.3
1916	12.0	11.0	12.6	14.6	18.1	17.7	20.3	19.8	15.7	15.3	10.1	11.2	14.8
1917	10.9	12.9	14.4	15.2	17.9	22.2	19.9	20.6	17.1	15.0	13.2	10.1	15.8
1918	11.6	14.1	13.4	13.7	16.6	17.3	19.4	19.8	17.7	14.9	12.0	12.2	15.2
1919	11.4	12.8	15.8	15.0	16.6	19.2	21.3	19.8	17.2	14.4	12.1	12.6	15.7
1920	12.4	12.6	14.8	17.8	17.3	20.1	22.1	19.7	19.2	17.7	13.8	13.7	16.8
1921	11.2	12.0	13.7	15.8	16.6	19.4	23.3	17.0	16.9	14.9	14.1	13.2	15.7
1922	10.9	10.4	11.7	17.4	17.6	17.3	22.0	19.2	18.0	14.2	12.9	11.3	15.3
1923	10.7	11.9	11.9	15.8	15.9	18.0	20.4	18.8	15.9	14.4	13.1	12.4	15.0
1924	12.5	12.1	12.4	14.1	20.0	20.0	21.6	22.4	19.2	16.1	13.4	12.4	16.2
1925	12.8	12.8	13.4	13.8	17.3	19.0	20.1	19.0	16.2	15.7	13.3	11.7	15.4
1926	10.4	11.6	13.8	14.6	17.4	17.9	18.8	21.2	15.6	13.4	12.7	10.3	14.8
1927	6.6	7.1	7.5	11.0	12.4	13.1	23.6	16.9	16.8	14.9	13.6	11.2	15.3
1928	11.1	12.4	12.2	14.6	16.7	15.8	21.0	20.6	18.4	16.0	12.6	10.6	15.1
1929	7.7	9.3	12.7	16.4	18.0	18.9	22.1	17.0	16.1	14.0	12.5	8.9	14.4
1930	11.3	11.2	12.9	16.0	18.1	17.5	18.4	17.6	18.1	13.5	13.7	12.1	15.1
Mean	11.0	12.0	13.0	15.2	17.1	18.5	20.7	19.0	16.9	15.1	12.7	11.8	15.4

## TURI-ASSÚ, BRAZIL

Lat. 1°42' S. Long. 45°24' W. H<sub>b</sub> = 9.1 m.

PRESSURE AT SEA LEVEL

Means of  $\frac{1}{3}(7^h + 14^h + 21^h)$ , local meridian  
1,000 mb. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1911	...	...	...	...	...	...	...	...	...	...	...	...	...
1912	...	...	...	...	...	...	13.2	12.5	12.4	11.4	10.2	9.8	...
1913	10.6	11.6	11.5	10.5	11.1	12.3	13.3	12.7	11.8	11.9	10.1	11.2	11.5
1914	11.2	11.4	11.4	11.0	12.2	12.4	13.7	13.3	12.4	11.5	10.6	10.6	11.8
1915	10.1	10.2	10.5	9.9	10.2	11.8	12.5	11.9	11.4	10.6	10.7	10.6	10.9
1916	10.5	9.9	10.2	10.7	11.6	11.5	13.3	13.3	12.3	10.7	9.3	9.6	11.1
1917	10.5	11.1	11.0	10.7	12.2	13.0	12.5	13.2	11.9	11.1	9.9	9.2	11.4
1918	10.3	10.5	10.2	9.8	10.5	11.8	12.8	13.3	12.5	10.6	10.0	10.1	11.0
1919	10.1	11.0	10.9	10.3	10.9	12.4	13.2	13.3	11.4	11.1	10.1	10.5	11.2
1920	10.3	9.4	10.9	11.9	10.1	12.0	13.4	12.4	11.8	10.9	10.7	9.6	11.2
1921	10.5	10.7	10.2	10.6	11.1	11.9	13.9	12.3	12.0	10.9	10.7	10.1	11.2
1922	9.9	10.2	10.9	11.8	11.2	12.0	13.9	11.9	12.0	10.9	9.6	10.6	11.2
1923	9.4	11.0	10.2	11.0	11.0	12.4	13.4	12.8	12.0	11.0	10.3	10.6	11.2
1924	9.8	10.3	9.7	10.5	11.2	12.2	12.7	13.0	12.3	10.9	10.3	10.1	11.1
1925	11.1	10.7	9.9	10.5	11.8	12.2	13.0	12.5	11.2	11.8	11.2	11.0	11.4
1926	11.4	10.7	11.6	12.3	11.5	12.2	12.4	13.0	11.6	9.9	9.7	9.3	11.2
1927	9.9	11.1	11.1	10.3	11.4	12.2	13.9	12.2	11.0	10.6	9.3	9.2	11.0
1928	9.8	10.6	10.9	10.6	11.4	11.4	13.3	13.3	11.9	11.2	9.8	9.8	11.1
1929	9.7	9.9	10.6	10.7	11.4	12.4	13.4	12.3	11.8	11.0	9.4	9.6	11.0
1930	10.7	10.6	11.1	11.1	12.4	12.0	12.4	12.8	12.4	11.0	10.9	9.9	11.5
Mean	10.3	10.6	10.7	10.9	11.4	12.2	13.2	12.7	11.9	11.0	10.2	10.1	11.2

SOUTH PACIFIC  
DUNEDIN,\* NEW ZEALAND  
Lat. 45°52' S. Long. 170°31' E.  
TOTAL PRECIPITATION IN INCHES

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1913	3.54	1.80	3.84	2.90	3.63	0.91	4.47	7.71	2.55	3.61	4.99	4.82	44.77
1914	3.68	3.20	1.79	3.46	2.63	2.78	2.13	0.74	1.69	1.81	3.48	3.92	31.31
1915	1.85	4.56	2.04	1.42	2.45	2.18	0.75	0.78	0.98	4.19	3.01	2.65	26.86
1916	1.00	2.17	2.24	1.25	2.22	5.58	2.59	3.96	1.73	1.43	2.81	1.82	28.80
1917	3.12	2.40	2.12	1.02	8.68	1.11	4.14	1.54	7.18	5.11	1.55	4.48	42.48
1918	2.02	1.87	3.96	2.05	0.86	6.48	3.07	3.12	2.75	1.88	4.69	4.15	36.90
1919	7.12	0.76	1.37	5.57	1.66	3.40	2.68	7.48	3.58	2.34	3.87	3.07	42.90
1920	1.38	0.94	0.84	1.47	3.89	1.24	1.49	4.21	5.29	1.57	4.27	1.86	28.45
1921	2.47	1.04	3.11	2.06	1.07	2.45	1.66	2.35	1.77	6.74	1.72	3.28	29.72
1922	4.75	2.30	6.93	2.36	1.81	3.69	1.37	2.43	1.89	1.83	4.95	3.78	33.09
1923	2.95	5.19	3.46	10.60	4.48	5.06	2.14	1.58	2.07	3.33	1.94	1.90	44.70
1924	2.49	1.37	1.13	1.97	4.29	2.85	2.13	0.58	2.55	7.20	1.69	4.65	32.90
1925	1.31	2.22	4.00	2.43	2.79	2.97	5.99	5.91	3.24	2.22	4.51	2.24	39.83
1926	2.41	6.98	1.38	1.25	5.29	2.83	1.24	2.99	3.38	6.05	4.04	7.14	44.98
1927	3.18	3.19	5.06	2.08	2.29	2.61	7.51	4.02	4.90	5.01	2.99	3.79	46.63
1928	1.58	2.59	2.20	4.35	1.33	1.65	1.38	1.47	1.93	5.80	1.99	3.88	30.15
1929	4.41	1.43	7.47	1.92	0.50	6.94	6.24	0.98	1.99	0.40	3.74	5.94	41.96
1930	4.25	1.66	0.73	1.43	1.79	1.64	2.07	3.46	3.93	4.92	4.82	2.91	33.66
Mean	2.97	2.54	2.98	2.76	2.87	3.13	2.95	3.07	2.97	3.64	3.39	3.68	36.95

\* Authority, Meteorological Office, Wellington, New Zealand.

# APPENDIX A: LAKE AND RIVER LEVELS

## LAKE LEVELS

### AFRICA

#### LAKE VICTORIA, UGANDA

Maximum and minimum readings at Kisumu \*  
Inches above or below zero level (11.11 m. or 437.4 in.)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year (Mean of Max. and Min.)	
1896	Max.	28	26	26	24	24	24	22	20	17	13	20	19	19.6
	Min.	24	20	19	20	22	20	17	17	12	9	11	16	
1897	Max.	19	20	20	25	25	27	25	...	...	...	...	...	...
	Min.	16	17	19	20	19	22	23	...	...	...	...	...	
1898	Max.	...	...	...	...	(27)	(24)	(25)	(24)	24	24	24	25	...
	Min.	...	...	...	...	(23)	(20)	(21)	(20)	21	20	20	20	
1899	Max.	22	20	20	21	26	25	20	7	10	2	2	9	-11.9
	Min.	18	17	16	15	17	19	11	4	-1	-4	-5	-5	
1900	Max.	5	4	7	5	9	7	3	0	2	-4	-8	1	-1.9
	Min.	-2	-4	-6	-3	1	0	-6	-6	-6	-13	-18	-12	
1901	Max.	0	2	6	21	24	24	17	8	2	-2	-3	-5	3.1
	Min.	-8	-11	-11	2	16	13	5	0	-4	-5	-6	-10	
1902	Max.	-9	-10	-10	-9	-2	-4	-8	-6	-10	-4	-4	5	-9.7
	Min.	-11	-11	-11	-13	-10	-13	-15	-15	-17	-18	-16	-12	
1903	Max.	7	7	15	14	23	26	25	24	23	27	26	28	12.9
	Min.	-10	-6	-6	-6	-6	14	16	15	14	14	13	14	
1904	Max.	25	28	26	29	34	30	25	31	19	19	20	21	18.1
	Min.	7	11	10	15	21	13	14	13	2	6	5	9	
1905	Max.	25	30	30	25	28	26	23	24	14	15	16	22	15.0
	Min.	8	9	9	13	12	12	7	2	1	2	1	6	
1906	Max.	22	26	31	46	47	48	42	46	40	26	32	34	28.7
	Min.	8	7	12	24	35	35	12	25	25	25	22	19	
1907	Max.	34	32	29	31	35	36	32	27	20	22	19	20	20.9
	Min.	16	16	12	13	23	22	18	14	9	7	7	7	
1908	Max.	20	19	18	17	17	16	16	15	15	14	18	15	10.3
	Min.	5	0	2	0	7	8	7	6	2	3	3	5	
1909	Max.	18	18	21	17	21	20	15	8	7	9	4	5	7.6
	Min.	2	4	4	5	6	3	5	0	1	0	-7	-4	
1910	Max.	6	5	7	10	18	11	9	10	6	5	2	12	0.9
	Min.	-5	-9	-9	-7	4	0	-5	-7	-5	-12	-11	-12	
1911	Max.	3	1	-1	3	6	8	5	3	-2	-8	-10	-9	-7.3
	Min.	-13	-18	-19	-14	-6	-4	-10	-15	-17	-18	-21	-20	
1912	Max.	-9	-7	-10	-6	2	-1	-3	-7	-5	-9	-7	-5	-10.5
	Min.	-20	-15	-19	-17	-10	-7	-13	-13	-16	-18	-19	-19	
1913	Max.	(-6)	(0)	(0)	-2	13	16	15	7	4	1	4	3	-2.6
	Min.	(-19)	(-18)	(-13)	-11	-5	0	0	-6	-10	-13	-12	-11	
1914	Max.	0	2	3	5	9	8	7	4	4	3	7	9	-1.9
	Min.	-15	-15	-13	-9	-6	-4	-7	-5	-8	-11	-7	-6	
1915	Max.	9	8	14	14	18	18	13	11	8	6	7	12	3.6
	Min.	-9	-13	-8	-5	-5	5	3	-6	-5	-3	-3	-3	
1916	Max.	13	17	15	23	29	29	26	22	23	25	23	22	15.3
	Min.	-1	2	1	3	6	18	15	11	10	12	12	10	
1917	Max.	27	31	29	44	47	50	44	42	44	46	51	47	34.6
	Min.	13	15	17	17	34	37	33	30	30	33	36	34	
1918	Max.	48	43	40	43	42	38	36	28	26	24	19	21	27.3
	Min.	33	30	26	21	28	28	21	17	14	10	10	10	
1919	Max.	12	5	5	9	28	26	18	13	15	11	10	12	7.6
	Min.	6	-9	-6	-3	1	11	9	1	2	2	2	2	
1920	Max.	12	11	9	17	15	15	11	7	5	3	-1	-1	2.7
	Min.	1	-4	-8	-4	5	6	-2	-4	4	-6	-8	-9	

\* Authority, Meteorological Office, London. Data supplied by Sydney M. Wood, C. O. E., Lake Bluff, Ill.

## LAKE VICTORIA—(CONTINUED)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year (Mean of Max. and Min.)
1921	{ Max. 8	10	8	5	4	5	6	-1	-2	-4	-3	-5	-4.6
	{ Min. -7	-7	-8	-7	-7	-8	-11	-12	-16	-17	-20	-21	
1922	{ Max. -9	-5	-14	-4	-4	-4	-9	-12	-13	-12	-12	-10	-16.0
	{ Min. -23	-23	-23	-23	-19	-23	-22	-24	-24	-23	-24	-24	
1923	{ Max. -11	-12	-12	-6	2.5	4	4	3	1	0	3	5	-9.3
	{ Min. -31	-29	-29	-25	-12	-8	-6	-8	-12	-12	-12	-12	
1924	{ Max. 3	5	5	6	12	9	5	0	1	3	2	2	-3.5
	{ Min. -10	-11	-14	-8	1	-5	-10	-10	-14	-13	-13	-14	
1925	{ Max. -0.5	-2	-1	1	2	2	1	4	3	-7	-5	-2	-6.4
	{ Min. -14	-12	-11	-9	-8	-4	-7	-9	-14	-18	-18	-9	
1926	{ Max. 6	1	6	18	24	25	23	22	15	16	17	15	+10.0
	{ Min. -15	-5	1	3	12	16	14	7	4	6	5	5	
1927	{ Max. 18	20	21	22	25	22	16	12	8	4	3	2	+9.3
	{ Min. 8	7	2	8	16	13	8	5	2	-3	-7	-9	
1928	{ Max. 0	-1	0	5	15	17	15	11	11	7	11	9	+1.8
	{ Min. -10	-11	-11	-10	3	7	3	-3	-4	-5	-6	-9	
1929	{ Max. 3	4	0	3	8	13	5	0	3	-3	4	0	-6.1
	{ Min. -11	-22	-15	-14	-9	-12	-9	-12	-15	-18	-19	-17	
1930	{ Max. 2	9	10	21	23	23	18	15	15	15	15	15	+8.1
	{ Min. -13	-14	-13	-1	13	13	7	5	4	7	3	3	
1931	{ Max. 16	13	15	22	27	26	25	23	23	20	16	23	+14.5
	{ Min. 3	0	3	6	11	15	13	11	11	8	6	8	
1932	{ Max. 21	18	20	23	29	30	30	26	22	23	19	22	+17.0
	{ Min. 7	5	5	8	13	19	17	13	13	10	8	8	
1933	{ Max. 25	26	28	27	32	26	22	17	15	15	13	19	+15.7
	{ Min. 9	13	15	15	16	13	11	7	5	5	0	2	
1934	{ Max. 16	11	10	9	14	12	10	9	7	4	3	7	+4.0
	{ Min. 1	-4	-5	-1	5	2	-1	-2	3	-3	-3	-3	
1935	{ Max. 3	7	7	11	14	14	15	7	6	4	3	7	+0.75
	{ Min. -11	-12	-6	-7	-1	6	-2	-5	-7	-8	-11	-10	
1936	{ Max. 8	6	13	19	22	22	22	16	14	11	6	11	+8.0
	{ Min. -5	-7	0.3	4	13	13	7	4	2	-2	-3	-5	
1937	{ Max. 17	15	16	26	36	34	33	34	25	23	24	25	+13.9
	{ Min. -2	-0.3	1	12	20	25	23	18	15	10	11	14	
1938	{ Max. 26	28	31	34	39	33	29	28	22	19	18	18	+20.5
	{ Min. 13	13	13	22	28	18	17	13	11	8	7	4	
1939	{ Max. 19	15	18	25	20	19	17	12	11	10	6	7	+8.5
	{ Min. 4	2	4	4	12	8	4	1	-1	-2	-4	-6	
1940	{ Max. 9	10	15	23	22	23	25	15	14	19	13	10	+9.5
	{ Min. -6	-3	-3	7	11	10	9	6	2	-1	-2	0	
1941	{ Max. 12	8	8	17	21	18	15	12	7	5	13	21	+6.5
	{ Min. -2	-3	-3	-2	4	8	2	-1	-1	-4	-4	4	
1942	{ Max. 24	21	26	35	37	40	35	36	29	26	21	24	+23.1
	{ Min. 10	8	9	20	25	29	22	19	17	13	11	9	
1943	{ Max. 20	18	15	18	20	25	17	11	10	7	8	2	+7.4
	{ Min. 6	3	3	3	10	10	4	-1	-4	-7	-9	-11	
1944	{ Max. -2	-1	-4	1	6	-1	4	...	...	...	...	...	...
	{ Min. -16	-15	-17	-11	-7	-13	-9	...	...	...	...	...	



## NORTH AMERICA

## LAKE MICHIGAN, UNITED STATES

Monthly means of water levels at Milwaukee, Wis.,  
above mean tide at New York, N. Y.\*  
500 ft. +

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1860	82.51	82.69	82.72	82.85	82.97	83.09	83.18	82.94	82.74	82.43	82.10	81.94	82.68
1861	81.83	81.92	82.31	82.41	82.83	82.99	83.12	83.36	83.05	82.93	82.70	82.53	82.66
1862	82.33	82.18	82.48	82.64	82.89	83.02	82.92	82.91	82.84	82.73	82.34	82.20	82.62
1863	82.13	82.18	82.17	82.17	82.38	82.47	82.42	82.29	82.11	82.02	81.58	81.92	82.15
1864	81.69	81.55	81.80	81.51	82.02	82.01	81.91	81.73	81.46	81.07	80.90	80.77	81.53
1865	80.56	80.65	80.82	81.31	81.47	81.51	81.94	81.96	81.84	81.60	81.04	80.73	81.29
1866	80.47	80.23	80.28	80.73	80.91	81.20	81.46	81.52	81.37	81.26	81.17	80.91	80.96
1867	80.89	80.94	81.12	81.41	81.63	81.94	82.09	82.02	81.75	81.42	80.96	80.61	81.40
1868	80.45	80.41	81.09	80.99	81.27	81.48	81.51	81.17	80.93	80.70	80.63	80.35	80.91
1869	80.25	80.32	80.06	80.43	80.76	81.29	81.67	81.93	81.82	81.46	81.34	81.06	81.03
1870	81.12	81.21	81.51	81.93	82.27	82.41	82.52	82.48	82.57	82.17	81.77	81.42	81.94
1871	81.57	81.49	82.09	82.29	82.64	82.68	82.71	82.48	81.81	81.12	81.07	80.48	81.87
1872	80.35	80.35	80.13	80.38	80.63	81.00	81.03	81.01	80.94	80.82	80.53	79.87	80.59
1873	79.87	79.91	80.22	80.79	81.35	81.98	81.94	82.04	81.85	81.79	81.56	81.52	81.24
1874	81.48	81.77	81.92	81.82	81.80	82.17	82.10	82.11	81.86	81.51	81.31	80.97	81.73
1875	80.77	80.70	80.76	81.12	81.68	81.92	81.89	82.06	81.99	81.84	81.63	81.44	81.48
1876	81.39	81.59	81.92	82.12	82.74	83.15	83.49	83.42	83.37	82.79	82.89	82.42	82.61
1877	82.28	82.29	82.29	82.67	82.56	82.63	82.60	82.48	82.27	82.28	82.16	82.10	82.38
1878	81.98	81.91	82.07	82.09	82.39	82.53	82.54	82.22	82.02	81.91	81.78	81.46	82.07
1879	81.15	81.16	81.20	81.19	81.32	81.39	81.48	81.29	81.17	80.95	80.73	80.76	81.15
1880	80.80	80.71	80.75	80.92	81.26	81.77	81.99	82.02	81.72	81.38	81.06	80.89	81.27
1881	80.90	81.11	81.40	81.31	81.82	82.05	82.02	82.02	81.79	82.12	81.95	81.85	81.70
1882	81.63	81.62	81.99	82.12	82.22	82.49	82.62	82.81	82.69	82.28	82.07	81.74	82.19
1883	81.48	81.52	81.61	81.82	82.30	82.66	83.26	83.23	83.04	82.52	82.37	82.29	82.37
1884	82.07	82.19	82.44	82.62	82.83	82.99	82.83	82.69	82.44	82.44	82.08	82.05	82.47
1885	82.06	82.29	82.25	82.44	82.80	83.01	83.10	83.31	83.17	83.03	82.73	82.44	82.72
1886	82.67	82.69	82.97	83.24	83.50	83.57	83.38	83.15	82.91	82.81	82.47	82.14	82.96
1887	82.06	82.43	82.59	82.54	82.74	82.87	82.81	82.67	82.33	81.88	81.55	81.43	82.32
1888	81.25	81.20	81.38	81.59	81.97	82.24	82.25	82.13	81.98	81.73	81.68	81.10	81.71
1889	81.08	81.05	81.03	81.04	81.12	81.58	81.76	81.52	81.35	81.10	80.75	80.57	81.16
1890	80.65	80.61	80.59	80.91	81.14	81.55	81.62	81.54	81.34	81.23	80.89	80.54	81.05
1891	80.52	80.28	80.47	80.78	80.88	81.03	80.86	80.79	80.56	80.20	79.80	79.74	80.49
1892	79.86	80.05	79.95	80.01	80.43	80.88	80.89	80.97	80.77	80.53	80.26	79.99	80.38
1893	79.98	80.12	80.23	80.69	80.99	81.32	81.34	81.17	80.85	80.71	80.32	80.25	80.67
1894	80.26	80.29	80.55	80.70	81.24	81.40	81.43	81.35	80.92	80.71	80.44	80.09	80.78
1895	79.91	79.80	79.77	79.97	80.13	80.18	80.07	79.95	79.68	79.31	79.09	78.98	79.74
1896	79.06	79.10	79.11	79.29	79.57	79.89	79.83	79.76	79.66	79.61	79.39	79.34	79.47
1897	79.33	79.41	79.72	79.89	80.38	80.65	80.84	80.78	80.52	80.24	79.98	79.76	80.13
1898	79.72	79.86	80.18	80.50	80.78	80.91	80.89	80.69	80.34	80.33	79.92	79.58	80.31
1899	79.53	79.61	79.81	80.08	80.52	80.83	81.04	80.96	80.82	80.49	80.31	79.81	80.32
1900	79.66	79.77	79.94	80.07	80.31	80.42	80.53	80.70	80.65	80.66	80.52	80.19	80.23
1901	79.95	79.92	80.34	80.49	80.92	80.97	81.06	81.11	80.92	80.56	80.23	79.95	80.53
1902	79.76	79.61	79.84	79.91	80.30	80.50	80.83	80.85	80.48	80.33	80.22	79.93	80.21
1903	79.72	79.90	80.09	80.36	80.45	80.63	80.81	80.71	80.79	80.62	80.26	79.94	80.36
1904	79.99	79.98	80.26	80.72	81.09	81.47	81.48	81.38	81.31	81.18	80.88	80.54	80.86
1905	80.39	80.31	80.45	80.83	81.09	81.48	81.62	81.59	81.49	81.05	80.78	80.63	80.98
1906	80.61	80.76	80.91	81.09	81.35	81.47	81.48	81.45	81.10	80.91	80.75	80.70	81.05
1907	80.64	80.68	80.74	81.00	81.16	81.52	81.52	81.44	81.42	81.17	80.76	80.65	81.06
1908	80.48	80.57	80.64	80.94	81.50	81.64	81.83	81.72	81.28	80.92	80.27	80.13	80.99
1909	79.88	80.02	80.10	80.36	80.88	81.08	81.05	81.07	80.80	80.32	80.21	80.17	80.50
1910	79.95	79.94	80.01	80.37	80.50	80.57	80.49	80.33	80.29	80.10	79.78	79.46	80.15

\* Authority, United States Lake Survey. Data supplied by Sydney M. Wood, C. E., Lake Bluff, Ill.

## LAKE MICHIGAN—(CONTINUED)

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1911	79.20	79.40	79.23	79.50	79.77	80.05	79.89	79.85	79.75	79.65	79.37	79.48	79.60
1912	79.27	79.29	79.35	79.52	80.05	80.46	80.53	80.63	80.71	80.41	80.42	80.18	80.07
1913	80.01	79.84	80.13	80.82	81.13	81.26	81.26	81.26	80.98	80.75	80.44	80.30	80.68
1914	80.07	80.04	79.99	80.15	80.36	80.64	80.79	80.69	80.49	80.37	79.82	79.53	80.24
1915	79.45	79.67	79.60	79.56	79.73	79.89	79.98	80.21	80.01	79.81	79.46	79.41	79.73
1916	79.16	79.30	79.46	79.95	80.49	81.10	81.31	81.06	80.67	80.50	80.65	80.56	80.35
1917	80.44	80.36	80.49	80.85	81.18	81.63	81.97	81.91	81.71	81.39	81.20	80.77	81.16
1918	80.82	80.84	81.13	81.50	81.75	81.98	81.97	81.87	81.49	81.20	81.07	81.13	81.40
1919	80.77	80.71	80.81	81.14	81.46	81.60	81.37	81.12	80.77	80.68	80.42	80.08	80.91
1920	80.00	80.04	80.19	80.57	80.82	80.93	81.08	81.11	80.93	80.59	80.32	80.10	80.56
1921	79.91	79.87	79.96	80.44	80.62	80.65	80.48	80.18	80.03	79.87	79.69	79.51	80.10
1922	79.29	79.26	79.50	80.04	80.52	80.62	80.73	80.64	80.43	80.02	79.59	79.14	79.98
1923	79.10	78.83	79.04	79.27	79.70	79.90	79.96	79.79	79.69	79.41	79.09	78.80	79.38
1924	78.54	78.77	78.75	78.99	79.29	79.45	79.53	79.67	79.55	79.30	78.78	78.47	79.09
1925	78.30	78.25	78.33	78.51	78.45	78.50	78.59	78.52	78.32	77.92	77.68	77.47	78.24
1926	77.35	77.48	77.59	77.85	78.23	78.43	78.57	78.72	78.60	78.33	78.30	78.24	78.14
1927	78.22	78.26	78.55	78.87	79.22	79.46	79.59	79.47	79.22	79.10	78.91	78.70	78.96
1928	78.64	78.83	78.93	79.58	79.99	80.23	80.47	80.60	80.43	80.48	80.62	80.07	79.96
1929	80.54	80.71	80.68	81.51	82.07	82.27	82.39	82.21	81.84	81.56	81.10	80.85	81.48
1930	80.62	80.61	80.73	80.86	81.03	81.10	81.29	81.14	80.65	80.31	79.85	79.46	80.64
1931	79.20	79.10	79.23	79.08	79.19	79.27	79.14	79.01	78.68	78.51	78.32	78.31	78.92
1932	78.32	78.18	78.21	78.46	78.66	78.74	78.64	78.54	78.25	78.11	77.95	77.68	78.31
1933	77.72	77.64	77.76	78.09	78.63	78.76	78.79	78.57	78.27	77.91	77.70	77.59	78.12
1934	77.53	77.53	77.51	77.73	77.96	78.08	78.18	78.06	78.02	77.70	77.67	77.74	77.81
1935	77.65	77.75	77.88	78.15	78.30	78.48	78.68	78.67	78.42	78.15	78.20	78.08	78.20
1936	77.91	77.80	77.96	78.17	78.51	78.70	78.65	78.52	78.56	78.34	78.02	77.74	78.24
1937	77.78	77.80	77.90	78.16	78.49	78.60	78.66	78.62	78.47	78.17	77.87	77.67	78.18
1938	77.72	78.07	78.25	78.70	79.09	79.36	79.55	79.52	79.67	79.43	79.07	79.07	78.79
1939	78.73	78.70	78.86	79.02	79.46	79.86	79.96	79.98	79.95	79.54	79.32	78.99	79.36
1940	78.75	78.79	78.64	78.69	78.98	79.20	79.32	79.50	79.39	79.16	78.76	78.70	78.99
1941	78.81	78.71	78.68	78.84	79.04	79.16	79.04	78.85	78.71	78.81	79.04	78.95	78.89
1942	78.84	78.94	79.05	79.44	79.72	80.14	80.17	80.08	79.89	79.69	79.54	79.30	79.57
1943	79.31	79.35	79.50	79.90	80.33	81.00	81.38	81.50	81.33	80.94	80.60	81.14	80.52

## SOUTH AMERICA

## LAKE TITICACA, BOLIVIA

Maximum and minimum readings\*

Cm. above or below zero level

Date	Max.	Min.	Date	Max.	Min.
1915	- 70	-140	1930	0	- 90
1916	-100	-180	1931	+ 45	- 50
1917	- 90	-160	1932	+105	- 45
1918	-120	-140	1933	+125	+ 20
1919	- 45	-110	1934	+120	+ 20
1920	+ 60	- 70	1935	+ 85	- 20
1921	+ 95	- 25	1936	+ 5	- 95
1922	+ 35	- 25	1937	- 60	-100
1923	+ 85	+ 5	1938	- 90	-170
1924	+ 25	- 60	1939	-170	-220
1925	+ 60	- 50	1940	-220	-260
1926	+ 15	- 60	1941	-220	-310
1927	- 60	- 90	1942	-270	-340
1928	- 40	-110	1943	-305	-365
1929	- 30	-105			

\* Authority, Ing. Arthur Posnansky. Data supplied by Sydney M. Wood, C. E., Lake Bluff, Ill.

## RIVER LEVELS

## AFRICA

## NILE RIVER

Yearly maximum and minimum of gage readings recorded at  
Roda Gage, Cairo \*  
Meters

Date	Max.	Min.	Date	Max.	Min.
1918	18.24	15.30	1931	19.24	14.32
1919	18.68	14.97	1932	19.33	14.41
1920	18.73	14.41	1933	19.03	14.61
1921	18.88	14.45	1934	20.09	14.63
1922	19.82	14.48	1935	19.69	14.57
1923	19.66	14.41	1936	19.73	14.66
1924	19.24	14.52	1937	19.96	14.48
1925	18.28	14.27	1938	20.29	14.43
1926	18.88	14.52	1939	18.80	14.54
1927	18.74	14.39	1940	18.75	14.52
1928	19.01	14.34	1941	17.87	14.85
1929	20.11	14.41	1942	19.98	14.50
1930	19.19	14.54	1943	19.62	...

\* Authority, Director-General, Physical Department, Ministry of Public Works, Cairo, Egypt. Data supplied by Sidney M. Wood, C. E., Lake Bluff, Ill.

## SOUTH AMERICA

## RIO DE LA PLATA

Annual mean heights at Rosario, Argentina \*  
Meters

Date	Height	Date	Height	Date	Height	Date	Height
1900	3.37	1910	1.68	1920	3.40	1930	2.67
1901	1.84	1911	1.97	1921	3.23	1931	3.81
1902	2.38	1912	3.22	1922	3.30	1932	3.76
1903	2.11	1913	2.50	1923	3.30	1933	2.20
1904	2.65	1914	2.68	1924	1.80	1934	0.93
1905	4.45	1915	2.56	1925	1.23	1935	2.82
1906	2.46	1916	2.24	1926	2.90	1936	2.13
1907	2.47	1917	1.09	1927	1.98	1937	1.74
1908	3.09	1918	1.86	1928	2.67	1938	2.11
1909	1.76	1919	3.03	1929	3.23	1939	2.14
						1940	3.30

\* The zero of the scale was raised 1.16 m. on January 1, 1939. All observations after that date have been reduced to the new zero. Authority Dirección General de Meteorología, Geofísica e Hidrología Buenos Aires, Argentina, Ing. Alfredo G. Galmarini, Director.

## APPENDIX B

### SUNSPOT NUMBERS \*

Monthly means

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
1931	14.6	43.1	30.0	31.2	24.6	15.3	17.4	13.0	19.0	10.0	18.7	17.8	21.2
1932	12.1	10.6	11.2	11.2	17.9	22.2	9.6	6.8	4.0	8.9	8.2	11.0	11.1
1933	12.3	22.2	10.1	2.9	3.2	5.2	2.8	0.2	5.1	3.0	0.6	0.3	5.7
1934	3.4	7.8	4.3	11.3	19.7	6.7	9.3	8.3	4.0	5.7	8.7	15.4	8.7
1935	18.9	20.5	23.1	12.2	27.3	45.7	33.9	30.1	42.1	53.2	64.2	61.5	36.1
1936	62.8	74.3	77.1	74.9	54.6	70.0	52.3	87.0	76.0	89.0	115.4	123.4	79.7
1937	132.5	128.5	83.9	109.3	116.7	130.3	145.1	137.7	100.7	124.9	74.4	88.8	114.4
1938	98.4	119.2	86.5	101.0	127.4	97.5	165.3	115.7	89.6	99.1	122.2	92.7	109.6
1939	80.3	77.4	64.6	109.1	118.3	101.0	97.6	105.8	112.6	88.1	68.1	42.1	88.3
1940	50.5	59.4	83.3	60.7	54.4	83.9	67.5	105.5	66.5	55.0	58.4	68.3	67.8
Mean	48.6	56.3	47.4	52.4	56.4	57.8	60.1	61.0	52.0	53.7	53.9	52.1	54.3

\* Authority, W. Brunner, Swiss Federal Observatory, Zurich.



## ALPHABETICAL INDEX OF STATIONS AND COUNTRIES

P = Pressure of air. T = Temperature of air. R = Precipitation.

Stations	Elements	Pages	
		Notes	Data
Aberdeen .....	P.T.R.	27	204
Abilene .....	P.T.R.		335
Abitibi (station closed).			
Accra .....	T.R.	6	73
Adelaide .....	P.T.R.	24	193
Aden .....	P.T.R.	13	95
AFRICA .....		3	65, 593
Ahmadabad .....	R.		113
Ajo-General Lavalle .....	R.		417
Aklavik .....	P.T.R.	38	281
Akmolinsk .....	P.T.R.		158
Akureyri .....	P.T.R.		391
Akyab .....	P.T.R.	14	97
ALASKA .....		38	269
Albany .....	P.T.R.		336
Alexandria (Kôm el Nadûra) .....	P.T.R.	5	70
ALGIERS .....		3	65
Alice Springs .....	P.T.R.	24	194
Alipore (Calcutta) .....	P.T.R.		118
Aliwal (North) .....	T.R.	8	84
Allahabad .....	P.T.R.	16	114
Alma Ata (Verniy) .....	P.T.R.		159
Almirante .....	R.		600
Alofi .....	P.T.R.	60	485
Alpena .....	P.		337
Alto da Serra .....	R.		438, 615
Amboina .....	R.	36	260
Amini Divi .....	P.T.R.	35	256
ANGLO-EGYPTIAN SUDAN .....		3	66
Angmagssalik .....	P.T.R.	47	385
Anna's Hope .....	T.R.	50	405
Antananarivo .....	P.T.R.	36	258
Anticosti .....	P.T.R.		282
Aparri .....	P.T.R.		411
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## GEOGRAPHICAL INDEX BY 10° ZONES OF LATITUDE

P = Pressure of air. T = Temperature of air. R = Precipitation

	N.	W.	
Barrow .....	71°23'	156°17'	P.T.R.
Upernivik .....	72°47'	56°7'	P.T.R.
Scoresby Sound .....	70°29'	21°58' W.	P.T.R.
Spitsbergen .....	78°4'	13°38' E.	P.T.R.
Mehavn .....	71°1'	27°47'	T.
Sletnes .....	71°5'	28°14'	P.T.R.
Malye Karmakuly .....	72°23'	52°42'	P.T.R.
Waigatz .....	70°24'	58°47'	P.T.R.
Dickson .....	73°30'	80°24' E.	P.T.R.

### Zone 70° N. to 60° N.

	N.	W.	
Nome .....	64°30'	165°24'	P.T.R.
Bethel .....	60°48'	162°12'	P.
Tanana .....	65°10'	152°6'	P.T.R.
Fairbanks .....	64°51'	147°39'	P.T.R.
Valdez .....	61°7'	146°16'	T.R.
Eagle .....	64°46'	141°12'	P.T.R.
Dawson .....	64°4'	139°29'	P.T.R.
Aklavik .....	68°14'	134°50'	P.T.R.
Fort Good Hope .....	66°15'	128°38'	T.R.
Coppermine .....	67°49'	115°10'	P.T.R.
Fort Simpson .....	61°52'	121°15'	P.T.R.
Hay River .....	60°51'	115°57'	P.T.R.
Fort Smith .....	60°0'	111°52'	P.T.R.
Chesterfield Inlet .....	63°20'	90°43'	P.T.R.
Nottingham Island .....	63°7'	77°56'	P.T.R.
Resolution Island .....	61°18'	64°53'	P.T.R.
Godthaab .....	64°10'	51°43'	T.R.
Jacobshavn .....	69°13'	51°2'	P.T.R.
Ivigut .....	61°12'	48°10'	P.T.R.
Angmagssalik .....	65°36'	37°33'	P.T.R.
Stykkisholm .....	65°5'	22°46'	P.T.R.
Vestmannaeyjar .....	63°24'	20°17'	P.T.R.
Akureyri .....	65°41'	18°5'	P.T.R.
Teigarhorn .....	64°41'	14°22'	P.T.R.
Højvig .....	62°3'	6°45' W.	P.T.R.
Bergen II .....	60°24'	5°19' E.	P.T.R.
Bodö .....	67°17'	14°24'	P.T.R.
Östersund .....	63°11'	14°39'	R.
Karesuando .....	68°27'	22°30'	R.
Helsinki .....	60°10'	24°57'	P.T.R.
Haparanda .....	65°50'	27°9'	P.T.R.
Arkhangelsk .....	64°35'	40°30'	P.T.R.
Ust-Zylma .....	65°25'	52°18'	P.T.R.
Berezov .....	63°56'	65°3'	P.T.R.
Surgut .....	61°15'	73°24'	P.T.R.
Turukhansk .....	65°47'	87°57'	P.T.R.
Olekmink .....	60°22'	120°24'	P.T.R.
Yakutsk .....	62°1'	129°43'	P.T.R.
Verkhoyansk .....	67°33'	133°24'	P.T.R.
Ust Mayskoe .....	60°25'	134°32'	P.T.R.
Novo-Mariinsky Post .....	64°45'	177°33' E.	P.T.R.

## Zone 60° N. to 50° N.

	N.	W.	
St. Paul Island	57°15'	170°10'	P.T.R.
Dutch Harbor	53°55'	166°30'	P.T.R.
Kodiak	57°47'	152°22'	P.T.R.
Sitka	57°3'	135°19'	T.R.
Juneau	58°18'	134°24'	P.T.R.
Massett	54°2'	132°8'	T.R.
Prince Rupert	54°18'	130°18'	P.T.R.
Bella Coola	52°20'	126°52'	T.R.
Prince George	53°50'	122°48'	P.T.R.
Barkerville	53°2'	121°35'	T.R.
Calgary	51°2'	114°2'	P.T.R.
Edmonton	53°33'	113°30'	P.T.R.
Fort McMurray	56°44'	111°23'	P.T.R.
Prince Albert	53°10'	105°45'	P.T.R.
Qu'Appelle	50°31'	103°56'	P.T.R.
The Pas	53°49'	101°15'	P.T.R.
Churchill	58°46'	94°13'	P.T.R.
Moosonee	51°31'	80°31'	P.T.R.
Port Harrison	58°25'	78°21'	P.T.R.
Misstassini Post	50°30'	73°55'	T.R.
Natashquan	50°14'	61°48'	T.R.
Belle Isle	51°53'	55°22'	P.T.R.
Valentia	51°56'	10°15'	P.T.R.
Edinburgh	55°55'	3°11'	P.T.R.
Aberdeen	57°10'	2°6' W.	P.T.R.
Greenwich	51°29'	0°0'	P.T.R.
De Bilt	52°6'	5°11' E.	P.T.R.
Frankfurt am Main	50°7'	8°40'	P.T.R.
Oslo	59°55'	10°43'	P.T.R.
København	55°41'	12°36'	P.T.R.
Potsdam	52°23'	13°4'	P.T.R.
Berlin-Dahlem	52°27'	13°18'	P.T.R.
Breslau-Krietern	51°5'	17°0'	P.T.R.
Uppsala	59°51'	17°38'	P.T.R.
Königsberg	54°43'	20°30'	P.T.R.
Warszawa	52°13'	21°3'	P.T.R.
Wilno	54°41'	25°15'	P.T.R.
Leningrad	59°58'	30°17'	P.T.R.
Moskva	55°50'	37°33'	P.T.R.
Oktjabrsky Gorodok	51°38'	45°27'	P.T.R.
Kasan	55°47'	49°8'	P.T.R.
Chkalov	51°45'	55°6'	P.T.R.
Molotov	57°59'	56°15'	P.T.R.
Sverdlovsk	56°50'	60°38'	P.T.R.
Tobolsk	58°12'	68°14'	P.T.R.
Akmolinsk	51°10'	71°26'	P.T.R.
Omsk	55°1'	73°20'	P.T.R.
Barnaul	53°20'	83°48'	P.T.R.
Tomsk	56°26'	84°58'	P.T.R.
Minusinsk	53°42'	91°42'	P.T.R.
Yenisseysk	58°27'	92°10'	P.T.R.
Irkutsk	52°16'	104°19'	P.T.R.
Kirensk	57°47'	105°7'	P.T.R.
Tchita	52°3'	113°29'	P.T.R.
Nerchinsky Zavod	51°19'	119°37'	P.T.R.
Blagovyeshtchensk	50°17'	127°32'	P.T.R.
Nikolayevsk on Amur	53°8'	140°45'	P.T.R.
Okhotsk	59°21'	143°17'	P.T.R.
Petropavlovsk	52°53'	158°43' E.	P.T.R.

## Zone 50° N. to 40° N.

	N.	W.	
Victoria .....	48°24'	123°19'	P.T.R.
Portland, Oreg. ....	45°32'	122°41'	P.T.R.
Seattle .....	47°38'	122°20'	P.
Red Bluff .....	40°10'	122°15'	P.T.R.
Spokane .....	47°40'	117°25'	P.T.R.
Helena .....	46°34'	112°4'	P.T.R.
Salt Lake City.....	40°46'	111°54'	P.T.R.
Cheyenne .....	41°8'	104°48'	P.T.R.
North Platte .....	41°8'	100°45'	P.T.R.
Bismark .....	46°47'	100°38'	P.T.R.
Winnipeg .....	49°53'	97°7'	P.T.R.
Omaha .....	41°16'	95°56'	P.T.R.
Oregon, Mo. ....	40°0'	95°11'	R.
St. Paul .....	44°58'	93°3'	P.T.R.
Duluth .....	46°47'	92°6'	R.
Peoria .....	40°43'	89°36'	R.
Chicago .....	41°47'	87°35'	P.T.R.
Marquette .....	46°34'	87°24'	P.T.R.
Alpena .....	45°5'	83°30'	P.
Detroit .....	42°20'	83°3'	P.T.R.
Toronto .....	43°40'	79°24'	P.T.R.
New York .....	40°43'	74°0'	P.T.R.
Albany .....	42°39'	73°45'	P.T.R.
Montreal .....	45°30'	73°35'	P.T.R.
Burlington .....	44°29'	73°12'	R.
New Haven .....	41°18'	72°56'	P.T.R.
Chicoutimi .....	48°25'	71°5'	T.R.
Boston .....	42°21'	71°4'	R.
Father Point .....	48°31'	68°28'	P.T.R.
Eastport .....	44°54'	66°59'	P.T.R.
Cape Magdalen .....	49°16'	65°20'	R.
Anticosti .....	49°24'	63°33'	P.T.R.
Charlottetown .....	46°14'	63°10'	P.T.R.
Sable Island .....	43°56'	60°2'	P.T.R.
Cape Race .....	46°31'	53°4'	P.T.R.
St. Johns .....	47°34'	52°42'	P.T.R.
Nantes .....	47°15'	1°34' W.	T.R.
Paris .....	48°48'	0°9' E.	T.R.
Lyon .....	44°0'	3°10'	T.R.
Trier .....	49°45'	6°39'	R.
Zürich .....	47°23'	8°33'	P.T.R.
Milano .....	45°28'	9°11'	P.T.R.
Säntis .....	47°15'	9°20'	P.T.R.
Sonnblick .....	47°3'	12°57'	P.T.R.
Obir .....	46°30'	14°29'	P.T.R.
Wien .....	48°15'	16°22'	P.T.R.
Krynica .....	49°25'	20°57'	R.
Lwów .....	49°50'	24°1'	P.T.R.
Sibiu .....	45°47'	24°9'	P.T.R.
Cernăuți .....	48°17'	25°56'	P.T.R.
București .....	44°25'	26°6'	P.T.R.
Sulina .....	44°9'	29°40'	P.T.R.
Noworossijsk .....	44°44'	37°49'	P.T.R.
Tbilisi .....	41°43'	44°48'	P.T.R.
Astrachan .....	46°22'	48°3'	P.T.R.
Fort Shevchenko .....	44°31'	50°7'	P.T.R.
Krasnovodsk .....	40°0'	52°59'	P.T.R.
Kasalinsk .....	45°46'	62°7' E.	P.T.R.

	N.	E.	
Turgai .....	49°38'	63°30'	P.T.R.
Tashkent .....	41°20'	69°18'	P.T.R.
Naryn .....	41°26'	76°0'	P.T.R.
Alma Ata .....	43°15'	76°55'	P.T.R.
Joshin .....	40°40'	129°12'	P.T.R.
Vladivostok .....	43°7'	131°54'	P.T.R.
Ussuriyskaja .....	43°52'	131°58'	P.T.R.
Ochiai .....	47°20'	142°47'	P.T.R.
Nemuro .....	43°20'	145°35' E.	P.T.R.

## Zone 40° N. to 30° N.

	N.	W.	
San Francisco .....	37°48'	122°26'	P.T.R.
Sacramento .....	38°35'	121°21'	T.R.
San Diego .....	32°43'	117°10'	P.T.R.
Yuma .....	32°45'	114°36'	R.
Modena .....	37°48'	113°54'	P.T.R.
Phoenix .....	33°28'	112°0'	P.T.R.
El Paso .....	31°47'	106°30'	P.T.R.
Santa Fe .....	35°41'	105°57'	P.T.R.
Denver .....	39°45'	105°0'	P.T.R.
Abilene .....	32°23'	99°40'	P.T.R.
Little Rock .....	34°45'	92°16'	P.T.R.
St. Louis .....	38°38'	90°12'	P.T.R.
Mobile .....	30°41'	88°2'	P.T.R.
Nashville .....	36°10'	86°47'	P.T.R.
Cincinnati .....	39°9'	84°31'	P.T.R.
Portsmouth, Ohio .....	38°43'	82°58'	R.
Charleston .....	32°47'	79°56'	P.T.R.
Washington .....	38°54'	77°3'	P.T.R.
Hatteras .....	35°15'	75°40'	P.T.R.
Philadelphia .....	39°57'	75°9'	R.
Prospect and St. George .....	32°23'	64°41'	P.T.R.
Horta .....	38°32'	28°38'	P.T.R.
Ponta Delgada .....	37°44'	25°40'	P.T.R.
Funchal .....	32°38'	16°55'	P.T.R.
Lisboa .....	38°43'	9°9'	P.T.R.
Gibraltar .....	36°6'	5°21' W.	P.T.R.
Bouzaréah .....	36°48'	3°2' E.	P.T.R.
Alexandria .....	31°12'	29°53'	P.T.R.
Beirut .....	33°54'	35°28'	P.T.R.
Baghdad .....	33°20'	44°24'	P.T.R.
Basra .....	30°34'	47°47'	P.T.R.
Teheran .....	35°41'	51°25'	R.
Ispahan .....	32°40'	51°44'	R.
Meshed .....	36°17'	59°36'	T.R.
Quetta .....	30°10'	67°1'	P.T.R.
Peshawar .....	34°1'	71°35'	P.T.R.
Lahore .....	31°35'	74°20'	P.T.R.
Simla .....	31°6'	77°10'	P.T.R.
Leh .....	34°9'	77°34'	P.T.R.
Hankow .....	30°35'	114°17'	P.T.R.
Tientsin .....	39°10'	117°10'	T.R.
Nanking .....	32°3'	118°47'	P.T.R.
Zi-Ka-Wei .....	31°11'	121°26'	P.T.R.
Chemulpo .....	37°29'	126°38'	P.T.R.
Nagasaki .....	32°44'	129°52'	P.T.R.
Kyoto .....	35°1'	135°44'	P.T.R.
Tokyo .....	35°41'	139°46'	P.T.R.
Miyako .....	39°38'	141°59' E.	P.T.R.

Zone 30° N. to 20° N.

	N.	W.	
Midway Island .....	28°13'	177°22'	P.T.R.
Honolulu .....	21°19'	157°52'	P.T.R.
Mazatlan .....	23°12'	106°25'	P.T.R.
Chihuahua .....	28°38'	106°5'	R.
Leon .....	21°7'	101°41'	P.T.R.
Monterrey .....	25°40'	100°18'	P.T.R.
Corpus Christi .....	27°49'	97°25'	P.T.R.
Galveston .....	29°18'	94°50'	P.T.R.
New Orleans .....	29°57'	90°4'	R.
Progreso .....	21°7'	89°40'	R.
Merida .....	20°58'	89°37'	P.T.R.
Habana .....	23°9'	82°21'	P.T.R.
Key West .....	24°33'	81°48' W.	P.T.R.
Helwan .....	29°52'	31°20' E.	P.T.R.
Bushire .....	28°59'	50°49'	P.T.R.
Jask .....	25°45'	57°45'	P.T.R.
Muscat .....	23°37'	58°35'	R.
Kalat .....	29°2'	66°35'	P.T.R.
Karachi .....	24°48'	66°59'	P.T.R.
Ahmadabad .....	23°2'	72°35'	R.
Jaipur .....	26°55'	75°50'	P.T.R.
New Delhi .....	28°35'	77°12'	P.T.R.
Nagpur .....	21°9'	79°7'	P.T.R.
Allahabad .....	25°26'	81°50'	P.T.R.
Patna .....	25°37'	85°10'	R.
Calcutta .....	22°32'	88°20'	P.T.R.
Cherrapunji .....	25°15'	91°44'	R.
Gauhati .....	26°11'	91°45'	R.
Shillong .....	25°34'	91°53'	P.T.R.
Akyab .....	20°8'	92°55'	P.T.R.
Mandalay .....	21°59'	96°6'	P.T.R.
Yunnanfu .....	25°7'	102°54'	P.T.R.
Laokay .....	22°30'	103°57'	R.
Fort Bayard .....	21°3'	110°28'	P.T.R.
Hong Kong .....	22°18'	114°10'	P.T.R.
Taihoku .....	25°2'	121°31'	P.T.R.
Naha .....	26°12'	127°39'	P.T.R.
Omura .....	27°5'	142°11' E.	P.T.R.

Zone 20° N. to 10° N.

	N.	W.	
Tacubaya .....	19°24'	99°6'	P.T.R.
Mexico City .....	19°26'	99°8'	P.T.R.
Puebla .....	19°2'	98°12'	P.T.R.
Oaxaca .....	16°4'	96°43'	P.T.R.
Salina Cruz .....	16°10'	95°12'	R.
San Salvador .....	13°42'	89°12'	P.T.R.
Tegucigalpa .....	14°2'	87°11'	P.T.R.
Negril Point Lighthouse.....	18°15'	78°23'	P.T.R.
Port-au-Prince .....	18°33'	72°20'	P.T.R.
Caracas .....	10°30'	66°55'	R.
San Juan, Puerto Rico.....	18°28'	66°7'	P.T.R.
Anna's Hope .....	17°45'	64°42'	T.R.
Richmond Hill .....	12°5'	61°45'	T.R.
Trinidad .....	10°40'	61°31'	T.R.
Fort-de-France .....	14°37'	61°4'	P.T.R.
Barbados .....	13°8'	59°36'	R.
São Vicente .....	16°53'	25°0'	P.T.R.
São Thiago .....	14°54'	23°31'	P.T.R.
Cape St. Mary.....	13°29'	16°40' W.	T.R.

	N.	E.	
Khartoum .....	15°37'	32°33'	P.T.R.
Aden .....	12°49'	45°2'	P.T.R.
Amini Divi .....	11°7'	72°44'	P.T.R.
Bombay .....	18°54'	72°49'	P.T.R.
Belgaum .....	15°51'	74°31'	R.
Mangalore .....	12°52'	74°51'	R.
Kodaikanal .....	10°14'	77°28'	P.T.R.
Bangalore .....	12°58'	77°35'	P.T.R.
Madras .....	13°4'	80°15'	P.T.R.
Musulipatam .....	16°11'	81°8'	R.
Waltair .....	17°42'	83°18'	P.T.R.
Port Blair .....	11°40'	92°43'	P.T.R.
Rangoon .....	16°46'	96°11'	P.T.R.
Mergui .....	12°26'	98°36'	P.T.R.
Bangkok .....	13°44'	100°29'	P.T.R.
Pnom-Penh .....	11°33'	104°55'	R.
Quangtri .....	16°14'	107°11'	R.
Manila .....	14°35'	120°59'	P.T.R.
Aparri .....	18°22'	121°38'	P.T.R.
Iloilo .....	10°42'	122°32'	P.T.R.
Legaspi .....	13°9'	123°45'	P.T.R.
Guam .....	13°24'	144°38' E.	P.T.R.

Zone 10° N. to 0°.

	N.	W.	
San José .....	9°56'	84°8'	R.
Cristobal (Colón) .....	9°21'	79°54'	P.T.R.
Bogotá .....	4°36'	74°5'	R.
Georgetown .....	6°50'	58°12'	P.T.R.
Paramaribo .....	5°49'	55°9'	P.T.R.
Freetown .....	8°29'	13°13'	P.T.R.
Accra .....	5°32'	0°12' W.	T.R.
Lagos .....	6°27'	3°24' E.	P.T.R.
Calabar .....	4°58'	8°19'	P.T.R.
Entebbe .....	0°4'	32°29'	T.R.
Kampala .....	0°20'	32°36'	P.T.R.
Minicoy .....	8°18'	73°0'	P.T.R.
Cochin .....	9°58'	76°14'	P.T.R.
Colombo .....	6°54'	79°52'	P.T.R.
Nuwara Eliya .....	6°58'	80°46'	P.T.R.
Hambantota .....	6°7'	81°8'	P.T.R.
Trincomalee .....	8°35'	81°15'	P.T.R.
Kuta Raja .....	5°32'	95°20'	R.
Medan .....	3°35'	98°41'	P.T.R.
Singapore .....	1°17'	103°51'	P.T.R.
Sandakan .....	3°50'	118°7'	P.T.R.
Manado .....	1°30'	124°51'	R.
Yap Island .....	9°29'	138°8'	P.T.R.

Zone 0° to 10° S.

	S.	W.	
Lambayeque .....	6°42'	79°54'	P.T.R.
Quito .....	0°13'	78°30'	P.T.R.
Senna Madureira .....	9°8'	68°40'	P.T.R.
São Gabriel do Rio Negro .....	0°8'	67°5'	P.T.R.
Manaus .....	3°8'	60°1'	P.T.R.
Port Victoria .....	4°37'	55°27'	P.T.R.
Taperinha .....	2°25'	54°42'	P.T.R.
Turi-Assú .....	1°43'	45°24'	P.T.R.
Quixeramobim .....	5°12'	39°18'	P.T.R.
Olinda .....	8°1'	34°51'	R.
Fernando de Noronha .....	3°50'	32°25' W.	R.



	S.	E.	
Tabora .....	5°3'	32°53'	P.T.R.
Zanzibar (Chukwani) .....	6°15'	39°13'	P.T.R.
Nairobi .....	1°16'	36°48'	P.T.R.
Seychelles .....	4°37'	55°27'	P.T.R.
Padang .....	0°56'	100°22'	R.
Batavia .....	6°11'	106°50'	P.T.R.
Pontianak .....	0°1'	109°20'	R.
Pasuruan .....	7°38'	112°55'	T.R.
Kajumaas .....	7°56'	114°9'	R.
Amboina .....	3°42'	128°10'	R.
Manokwari .....	1°10'	134°20'	R.
Port Moresby .....	9°29'	147°9' E.	P.T.R.

## Zone 10° S. to 20° S.

	S.	W.	
Apia .....	13°48'	171°46'	P.T.R.
Alofi .....	19°2'	169°55'	P.T.R.
Papeete .....	17°32'	149°34'	P.T.R.
Lima .....	12°4'	77°2'	P.T.R.
Arica .....	18°28'	70°20'	P.T.R.
La Paz .....	16°30'	68°8'	P.T.R.
Corumbá .....	19°0'	57°39'	P.T.R.
Cuiabá .....	15°35'	56°6'	P.T.R.
Caetité .....	14°3'	42°37'	P.T.R.
Salvador, Brazil .....	12°57'	38°29'	P.T.R.
St. Helena .....	15°57'	5°40' W.	P.T.R.
Livingstone .....	17°15'	25°49' E.	P.T.R.
Zomba .....	15°22'	38°18'	P.T.R.
Salisbury .....	17°50'	31°1'	P.T.R.
Antananarivo .....	18°55'	47°32'	P.T.R.
Christmas Island .....	10°25'	105°43'	P.T.R.
Kupang .....	10°10'	123°34'	R.
Darwin .....	12°25'	130°51'	P.T.R.
Suva .....	18°8'	178°26'	P.T.R.

## Zone 20° S. to 30° S.

	S.	W.	
Punta Tortuga .....	29°55'	71°22'	P.T.R.
La Serena .....	29°54'	71°15'	R.
Iquique .....	20°12'	70°11'	P.T.R.
Catamarca .....	28°29'	65°44'	P.T.R.
Salta .....	24°47'	65°25'	P.T.R.
Tucuman .....	26°51'	65°11'	R.
Goya .....	29°9'	59°16'	P.T.R.
Corrientes .....	27°27'	58°49'	R.
Villarrica .....	25°45'	56°26'	R.
Asunción .....	25°16'	57°38'	P.T.R.
Posadas .....	27°18'	55°56'	R.
Curitiba .....	25°25'	49°17'	P.T.R.
Brusque .....	27°6'	48°56'	R.
Iguape .....	24°42'	47°32'	T.R.
Alto da Serra .....	23°46'	46°57'	R.
São Paulo .....	23°39'	46°32'	P.T.R.
Juiz de Fora .....	21°46'	43°21'	R.
Rio de Janeiro .....	22°54'	43°10' W.	P.T.R.

	S.	E.	
O'okiep .....	29°36'	17°52'	P.T.R.
Kimberley .....	28°44'	24°46'	P.T.R.
Mayalapye .....	23°6'	26°40'	T.R.
Johannesburg .....	26°11'	28°4'	P.T.R.
Bulawayo .....	22°13'	29°59'	P.T.R.
Durban .....	29°51'	31°3'	P.T.R.
Lourenço Marques .....	25°58'	32°36'	P.T.R.
Mauritius .....	20°5'	57°32'	P.T.R.
Alice Springs .....	23°38'	133°37'	P.T.R.
Brisbane .....	27°28'	153°2' E.	P.T.R.

## Zone 30° S. to 40° S.

	S.	W.	
Isla de Juan Fernandez.....	33°37'	78°52'	P.T.R.
Valdivia .....	39°48'	73°14'	R.
Junin de los Andes.....	39°9'	71°0'	R.
Santiago, Chile .....	33°27'	70°42'	P.T.R.
Mendoza .....	32°53'	68°50'	P.T.R.
San Juan, Argentina.....	31°32'	68°34'	R.
Neuquen .....	39°0'	68°2'	R.
Cipolletti .....	38°57'	67°59'	P.T.
Córdoba .....	31°25'	64°12'	P.T.R.
General Acha .....	37°4'	64°6'	R.
Harding Green .....	38°45'	62°12'	P.T.R.
Buenos Aires .....	34°35'	58°29'	P.T.R.
Concordia .....	31°23'	58°2'	R.
Mar del Plata.....	38°2'	57°33'	P.T.R.
Ajo-General Lavalle .....	36°31'	56°46' W.	R.
Cape Town .....	33°56'	18°29' E.	P.T.R.
Port Elizabeth .....	33°59'	25°37'	P.T.R.
Aliwal (North) .....	30°42'	26°43'	T.R.
Perth .....	31°57'	115°51'	P.T.R.
Coolgardie .....	30°57'	121°10'	P.T.R.
Adelaide .....	34°56'	138°35'	P.T.R.
Sydney .....	33°52'	151°13'	P.T.R.
Auckland .....	36°51'	174°46' E.	P.T.R.

## Zone 40° S. to 50° S.

	S.	W.	
Isla Guafo .....	43°34'	74°45'	P.T.R.
Punta Galera .....	40°1'	73°44'	P.T.R.
Esquel .....	42°53'	71°18'	P.T.R.
Sarmiento .....	45°35'	69°4'	P.T.R.
Trelew .....	43°15'	65°22' W.	P.T.R.
Hobart .....	42°53'	147°20' E.	P.T.R.
Dunedin .....	45°52'	170°32'	P.T.R.
Hokitika .....	42°43'	170°58'	P.T.R.
Christchurch .....	43°32'	172°37'	P.T.R.
Wellington .....	41°17'	174°46' E.	P.T.R.

## Zone 50° S. to 60° S.

	S.	W.	
Islotes de los Evangelistas.....	52°24'	75°36'	P.T.R.
Bahía Félix .....	52°58'	74°7'	R.
Punta Arenas .....	53°10'	70°54'	P.T.R.
Santa Cruz .....	50°1'	68°32'	P.T.R.
Stanley .....	51°41'	57°51'	R.
Cape Pembroke .....	51°41'	57°42'	P.T.
Grytviken .....	54°14'	36°3' W.	P.T.R.

## Zone 60° S. to 70° S.

	S.	W.	
Laurie Island .....	60°43'	44°47'	P.T.R.